

Petroleum Industry in Illinois, 1981

Oil and Gas Developments

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Waterflood Operations

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ILLINOIS STATE GEOLOGICAL SURVEY

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Petroleum Industry in Illinois, 1981

ABSTRACT

Illinois produced 25,490,000 barrels of crude oil in 1981, an increase of 10.2 percent over 1980. The value of this crude oil is estimated to be \$892 million.

New test holes drilled for oil and gas numbered 3,074—60 percent more than in 1980. These tests resulted in 1,777 oil wells, 21 gas wells, and 1,276 dry holes. In addition, 53 former dry holes were reworked or deepened and completed as producers, and 27 former producing wells were re-entered and completed as producers in new pay zones. In oil and gas exploration and development, including service wells, total footage drilled in 1981 was 8,849,086, up 62.5 percent from 1980.

Of the 3,074 new holes drilled as oil and gas tests, 527 were ½ mile or more from production (wildcats), and 93 of these were completed as producers, a success rate of 17.7 percent. Of the wildcat tests, 123 were drilled more than 1½ miles from production (wildcat fars). They resulted in 4 producers, a success rate of 3.3 percent.

A total of 197 service wells (water input, salt water disposal, etc.) were reported in 1981, down 19.6 percent from 1980; these include 139 new wells and 58 old wells converted to service wells.

Four oil fields, 55 new pay zones in fields, and 95 extensions to fields were discovered in 1981.

Seven new waterflood projects were reported by their respective operators and 5 projects were abandoned. New projects increased the area subject to fluid injection by 720 pay acres.

Secondary recovery production was estimated at 11,049,600 barrels of crude oil. Waterfloods accounted for 10,928,700 barrels, or 42.9 percent of the state total, and pressure maintenance projects reported 120,900 barrels, or 0.47 percent of the state total.

ACKNOWLEDGMENTS

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Part I. Oil and Gas Developments

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OIL PRODUCTION AND VALUE

Illinois oil fields produced 25,489,931 barrels of crude oil in 1981, an increase of 10.2 percent over the 23,138,730 barrels produced in 1980. (The production of 22,701,817 barrels in 1980 reported in Illinois Petroleum 123, "Petroleum Industry in Illinois, 1980," was short by 436,913 barrels.)

Table 1A lists by counties the number of holes drilled, the footage drilled, and the oil production in 1981. Holes drilled are classified as tests for oil and gas, service wells, and structure tests. The oil production and other data for each of the oil fields in Illinois are shown in table 8.

Crude oil production figures by fields are received from one source, those for the state as a whole from another. The latter source is believed to be the more accurate concerning the state's total production. The discrepancy in figures from the two sources is accounted for by the 292,692 barrels of crude oil for which the field and county assignments are not known (tables 1A and 8).

Eleven counties had more than 800,000 barrels of oil production in 1981. Their combined production accounted for 74.5 percent of the total production in Illinois:

County	1981 production (bbl)	Percentage of state's total
Wayne	3,323,346	13.0
White	3,205,080	12.6
Marion	2,060,967	8.1
Lawrence	2,010,556	7.9
Fayette	1,702,702	6.7
Crawford	1,593,277	6.2
Clay	1,411,160	5.5
Edwards	1,064,749	4.2
Richland	936,042	3.7
Jefferson	862,392	3.4
Jasper	824,145	3.2
TOTAL	18,994,416	74.5

Fields in Illinois that produced more than 200,000 barrels of oil each in 1981 accounted for 66.2 percent of the state's total production:

Field*	1981 production (bbl)	Percentage of state's total
Southeastern Illinois oil field†	4,005,467	15.7
Clay City C	3,463,858	13.6
Salem C	1,702,888	6.7
Louden	1,680,963	6.6
New Harmony C	1,543,704	6.1
Sailor Springs C	585,296	2.3
Phillipstown C	490,924	1.9
Dale C	381,215	1.5
Roland C	380,779	1.5
Johnsonville C	363,759	1.4
Herald C	319,337	1.2
Maple Grove C	289,882	1.1
Nashville North	289,751	1.1
Albion C	259,992	1.0
Keenville	245,251	1.0
Mill Shoals	239,253	0.9
Maple Grove South C	221,110	0.9
Storms C	218,807	0.9
Divide C	202,323	0.8
TOTAL	16,884,559	66.2

*C = Consolidated

† Comprising Allendale and Main Consolidated fields, and Lawrence County Divisions in table 8.

Based on a price of \$35 a barrel at the wells, the total value of crude oil produced in Illinois in 1981 was about \$892,148,000. Table 1A gives production by counties, and table 8 gives production by fields.

1981 DRILLING

In 1981, 3,324 well completions in connection with oil and gas exploration and development were processed by the Illinois State Geological Survey (table 1A), 46.8 percent more than in 1980. These wells include new holes drilled as oil and gas tests, former dry holes reworked or deepened and completed as producers, former producers reworked or deepened and completed as producers in new pay zones, new holes drilled as service wells and old holes converted to service wells. No structure tests were reported. The number of permits issued in 1981 was 4,776, compared with 3,704 in 1980.

In testing for oil and gas, 3,074 new holes were drilled in 1981, up 60.0 percent from the 1,921 drilled in 1980. Wells in secondary and tertiary recovery projects are included. These tests resulted in 1,777 oil wells, 21 gas wells, and 1,276 dry holes. In addition, 53 former dry holes were reworked or deepened and completed as producers (49 oil, 4 gas), and 27 former producing wells were re-entered and completed as oil producers in new pay zones. A total of 197 service wells (water input, salt water disposal, etc.) was reported in 1981, down 19.6 percent from 1980; these include 139 new wells drilled and 58 old wells converted to service wells.

Of the 102 counties in Illinois, 49 had new holes drilled in 1981. Thirteen counties accounted for 80.4 percent of these new holes: Clay (329), Crawford (316), Wayne (282), Edwards (247), White (242), Richland (178), Wabash (175), Jasper (167), Hamilton (116), Jefferson (110), Lawrence (108), Macon (104), and Marion (99).

Total footage drilled in 1981 in connection with oil and gas exploration and development, including service wells, was 8,849,086 feet, 62.5 percent more than in 1980. For the 3,074 new holes drilled as oil and gas tests, the total footage was 8,563,582 feet, an average of 2,786 feet per well, compared with an average of 2,713 feet per well in 1980.

Indications are that drilling activity in 1982 will equal that of 1981.

Discoveries

Four oil fields and 55 new pay zones in fields were discovered in 1981 (fig. 1; tables 2 and 3). There was 95 extensions to fields (table 4). Three

of the new fields produce from Mississippian, and 1 from Silurian. Of the 55 new pay zones in fields, 1 is of Pennsylvanian age, 51 are Mississippian, and 3 are Devonian.

The new fields had only one or two wells each at the end of the year. Future development drilling in the fields probably will not add significantly to crude oil reserves.

Exploration

Of the 3,074 new holes drilled as oil and gas tests in 1981, 527 were wildcats ($\frac{1}{2}$ mile or more from production). Ninety-three of the wildcats were completed as producers, a success rate of 17.7 percent. Of the 404 wildcats drilled between $\frac{1}{2}$ and $1\frac{1}{2}$ miles from production (wildcat nears), 89 were producers, a success rate of 22.0 percent. The 123 wildcats drilled more than $1\frac{1}{2}$ miles from production (wildcat fars) resulted in 4 producers, a success rate of 3.3 percent. At least one wildcat far was drilled in each of 38 counties.

Deeper production was discovered in 24 oil fields in 1981. Spar Mountain production was found in Amity West, Samsville North, and Sumner South; McClosky in Amity South, Oak Point West, Xenia East, and Zenith East; St. Louis in Ewing, Logan, and Mt. Vernon North; Salem in Blairsville West, Iuka South, Lancaster Central, Olney South, Parkersburg South, Passport, Seminary, Wakefield South, and Zenith East; Ullin in Blairsville West, Divide Consolidated, Ewing, Mayberry North, and Mayberry South; Carper in Miletus; and Devonian in Oskaloosa and Whittington.

About 83 unsuccessful tests were drilled exploring for deeper production within fields. Of these, 1 bottomed in the Aux Vases, 3 in the Ste. Genevieve, 7 in the St. Louis, 67 in the Salem-Ullin interval, 2 in the Devonian, 2 in the Silurian, and 1 in the Trenton.

The deepest test reported in 1981 was a Trenton test drilled to a total depth of 6,105 feet in Whittington field in Franklin County (# 18, table 3, fig. 1).

As in the past few years, the Salem-Ullin interval continues to be an important exploratory objective. One of the new fields produces from Salem and one from the Salem and Ullin. Salem production was discovered in 10 old fields and

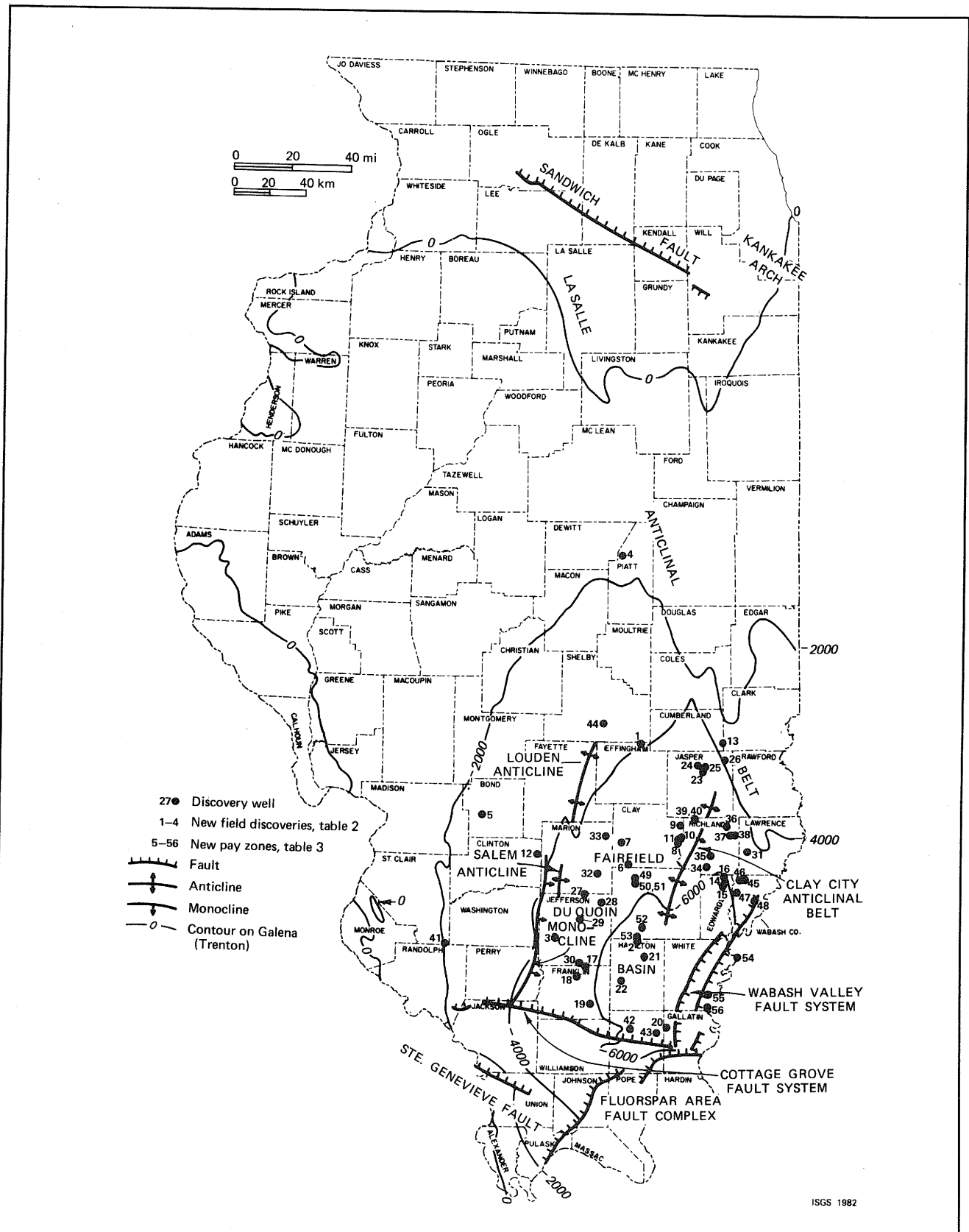


Figure 1. Major tectonic features in Illinois and their relation to the discovery wells of new fields and new pay zones in fields drilled in 1981. Numbered holes are shown in tables 2 and 3.

Ullin production in 5; all were deeper pool discoveries. A total of 318 Salem producers—including 61 multiple pay wells—was reported in 1981. Excluding multiple pay wells, in which production is comingled, 36 Salem producers in 17 fields had initial production figures of more than 100 barrels of oil per day. A Salem well in Dale Consolidated field, in Section 27, T. 5 S., R. 6 E., Hamilton County, had a reported initial production of 648 barrels of oil per day.

The Devonian or deeper tests in 1981 that were 4,000 feet deep or deeper included 8 that explored for new fields (more than 1½ miles from production), and 26 that explored for new pools, either in fields or less than a mile and a half from fields. At total depth, 1 of these wells tested the St. Peter, 6 tested the "Trenton," and 27 tested Devonian-Silurian rocks. Only two of the wells, both Devonian deeper pool discoveries, one in Oskaloosa field and one in Whittington field, were successful (# 7 and # 18, table 3, fig. 1).

Most of the drilling in Illinois in 1981 consisted of in-fill drilling and the extension of the boundaries of existing fields.

FIELDS REVIVED AND ABANDONED

Eighteen abandoned fields were revived by successful drilling in 1981: Riffle in Clay County; Sandoval West in Clinton County; Samsville North in Edwards County; Rose Hill in Jasper County; Elk Prairie in Jefferson County; Litchfield in Montgomery County; Amity West, Bower, Seminary, Stringtown, Stringtown East, Stringtown South, and Wakefield South in Richland County; Grayson and Harrisburg in Saline County; Lexington North in Wabash County; Mayberry North in Wayne County; and Crossville in White County.

No fields were abandoned in 1981.

FIELDS CONSOLIDATED

Ingraham and Passport fields in Clay County were consolidated in 1981. The name of the combined field is Ingraham Consolidated.

The following two field consolidations occurred in 1980 and are reflected in the tables of the annual report for 1980, but were not noted in the

text: Coil North and Orchardville in Wayne County were consolidated to form Orchardville Consolidated field; and Rinard and Rinard North in Wayne County were combined to form Rinard Consolidated field.

GEOLOGIC COLUMN

Figure 2 is a generalized geologic column of southern Illinois. It does not show the Pleistocene deposits that cover much of Illinois bedrock, the Tertiary and Cretaceous rocks that occur in a belt across the southern end of the state, nor the approximately 4,000 feet of Ordovician and Cambrian rocks between the base of the St. Peter Sandstone and the top of the Precambrian basement. Pay zones are indicated on the geologic column by solid dots.

PRODUCTIVE ACREAGE

An estimated 18,740 acres were added to the area productive of oil, and an estimated 270 acres were added to the area productive of natural gas in 1981. The total area in Illinois that has been proven productive of oil is 648,940 acres and of gas, 37,180.

In Illinois the normal spacing pattern for oil wells that produce from depths of less than 4,000 feet is 10 acres per well for production from sandstone and 20 acres per well for production from limestone. For wells producing from depths between 4,000 and 6,000 feet, the spacing is 40 acres per well. For wells producing from depths greater than 6,000 feet, it is 160 acres per well.

GAS PRODUCTION

Approximately 1,295 million cubic feet of natural gas was produced and marketed in Illinois in 1981, compared with 1,574 million cubic feet in 1980.

From Johnston City East field in Williamson County, 5.5 million cubic feet of gas was sold to Murphysboro, Carbondale, Benton, and Du Quoin. Raleigh South field in Saline County provided 7.7 million cubic feet to cities in Saline County. Harco South field in Saline County furnished 8.7 million cubic feet to Harrisburg and

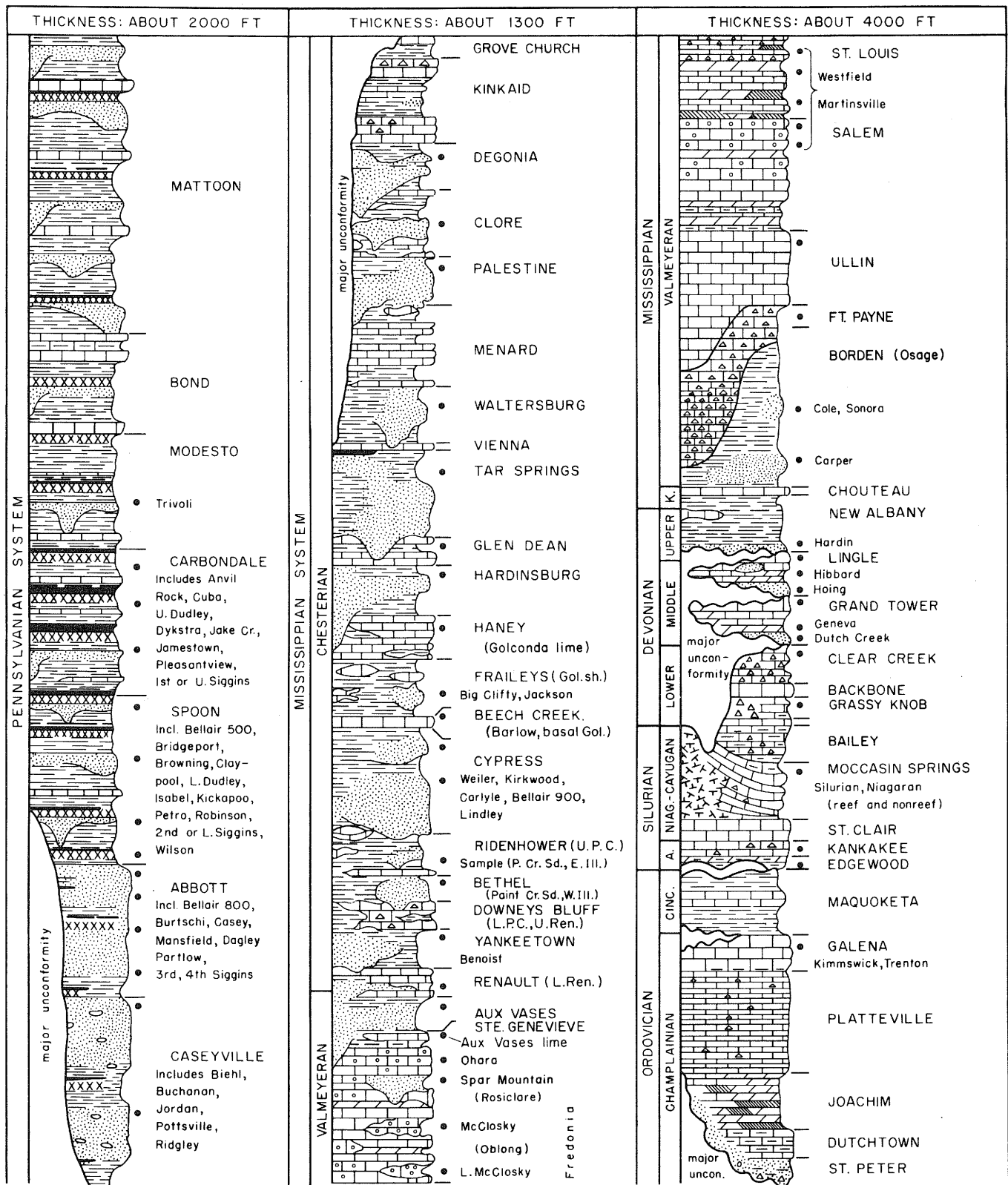


Figure 2. Generalized geologic column of southern Illinois. Solid dots indicate oil and gas pay zones. Formation names are in capitals; other pay zones are not. About 4,000 feet of lower Ordovician and upper Cambrian rocks under the St. Peter are not shown. The names of the Kinderhookian, Niagaran, Alexandrian, and Cincinnati Series are abbreviated as K., Niag., A., and Cinc., respectively. Variable vertical scale. (Originally prepared by David H. Swann.)

Eldorado. From Mattoon field in Coles County, 434.3 million cubic feet was sold in the Effingham, Mattoon, and Paris areas. Eldorado East field in Gallatin County provided 12.4 million cubic feet to the Equality and Carmi areas. Eldorado Consolidated field in Saline County furnished 3.1 million cubic feet to Eldorado. Gas from abandoned mines in Saline County, in the amount of 66.4 million cubic feet, was sold to United Cities Gas Company in Eldorado. From Waggoner field in Montgomery County, 15.0 million cubic feet was sold in the Virden area.

From Stubblefield South field in Bond County, 18.5 million cubic feet of gas went into the Illinois Power Company system. Illinois Power Company also purchased for their transmission line 70.2 million cubic feet from New Athens field in St. Clair County, 74.4 million cubic feet from St. Libory field in St. Clair County, and 3.6 million cubic feet from Eden field in Randolph County. From St. Jacob East field in Madison County, 5.3 million cubic feet was distributed by Illinois Power Company. Production from Fishhook field in Pike County, in the amount of 293.3 million cubic feet, was sold to Central Illinois Public Service for their transmission line. Grandview and Inclose fields in Edgar County provided Central Illinois Public Service with 85.3 million cubic feet for their system in the Matton-Paris area. Keenville field, Wayne County, supplied 178.6 million cubic feet of gas from oil wells to the Trunkline Gas Company for their transmission line. From oil wells (Devonian) in Loudon field in Effingham and Fayette Counties, 12.9 million cubic feet was sold to Natural Gas Pipeline Company for their transmission line.

UNDERGROUND STORAGE OF LIQUEFIED PETROLEUM GAS

Twelve caverns, which resulted from the mining of shale or limestone, provide storage capacity for 3,174,000 barrels of liquefied petroleum gases in Illinois (table 6). Propane, butane, propylene, and ethane are the gases being stored.

UNDERGROUND STORAGE OF NATURAL GAS

In Illinois at the end of 1981, 39 underground natural gas storage projects were operating, were being developed, or were being studied for their capabilities for storing gas. Gas is now stored in rocks of Pennsylvanian through Cambrian age at depths from 350 to 4,000 feet.

Table 7 lists information about active Illinois storage projects. These storage facilities could hold as much as 1.6 trillion cubic feet of gas; however, the amount of this potential capacity that is likely to be used for storage depends upon the supply of gas. Ultimately, about 1.2 trillion cubic feet will be used. Approximately one-third of stored gas is working gas, and two-thirds is cushion gas, which is not readily available for withdrawal and delivery to customers.

SURFACE STORAGE OF LIQUEFIED NATURAL GAS

A facility for the liquefaction and storage of natural gas at the Manlove Gas Storage field, Mahomet, Illinois, is being operated by the Peoples Gas Light and Coke Company.

Two above-ground tanks are each capable of containing, as liquefied natural gas, the equivalent of 1 billion cubic feet of pipeline natural gas measured at standard conditions of temperature and pressure.

TABLE 1A. Summary of oil and gas drilling activity and oil production in 1981

County	Production tests							Service wells					Total oil production (bb1)	
	Permits to drill	Total completions	New holes		OWO		Footage drilled	New service wells	Conversions		Footage drilled	Structure tests		Total footage drilled
			Prod.*	D&A	D&A to prod.*	Prod. to prod. in new pay zones			Were prod.	Other†				
Adams	7	3	-	3	-	-	2,242	-	-	-	-	-	2,242	2,900
Bond	27	21	1(2)	11	-(1)	-	22,742	5	1	-	3,164	-	25,906	51,269
Brown	29	18	1(1)	15	-	-	11,125	1	-	-	660	-	11,785	3,528
Calhoun	3	3	-	3	-	-	1,794	-	-	-	-	-	1,794	-
Champaign	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Christian	35	30	11	18	1	-	52,236	-	-	-	-	-	52,236	314,398
Clark	96	112	65(5)	10	1	-	54,247	31	-	-	17,355	-	71,602	336,409‡
Clay	469	347	225	104	4	6	1,145,901	8	2	4	22,661	-	1,168,562	1,411,160
Clinton	57	43	26(1)	13	-	-	92,520	-	3	-	-	-	92,520	408,113
Coles	52	23	14	9	-	1	30,604	-	-	-	-	-	30,604	146,685
Crawford	548	359	222(8)	86	2(2)	-	390,779	35	1	3	39,428	-	430,207	1,593,277
Cumberland	15	10	3	6	1	-	16,891	-	-	-	-	-	16,891	‡
De Witt	1	6	6	-	-	-	4,492	-	-	-	-	-	4,492	60,894
Douglas	3	2	-	2	-	-	2,500	-	-	-	-	-	2,500	8,503
Edgar	14	12	4(2)	4	2	-	4,558	-	-	-	-	-	4,558	87,799
Edwards	349	256	106	141	6	-	868,368	1	2	-	385	-	868,753	1,064,749
Effingham	42	26	16	8	-	-	55,155	1	-	1	1,615	-	56,770	293,657
Fayette	133	55	52(1)	1	-	-	98,363	1	-	-	1,658	-	100,021	1,702,702
Ford	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Franklin	50	50	18	31	1	-	180,226	-	-	-	-	-	180,226	581,014
Gallatin	55	29	13	16	-	-	79,671	-	-	-	-	-	79,671	501,118
Hamilton	135	122	65	51	2	1	459,989	-	3	1	-	-	459,989	636,348
Hancock	5	3	-	3	-	-	1,795	-	-	-	-	-	1,795	3,526
Jackson	7	2	1	1	-	-	5,083	-	-	-	-	-	5,083	6,225
Jasper	337	175	110	57	4	3	478,239	1	2	1	2,665	-	480,904	824,145
Jefferson	162	114	60	50	1	2	357,588	2	-	1	4,860	-	362,448	862,392
Knox	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Lawrence	227	130	80	28	1	1	232,961	17	4	-	31,539	-	264,500	2,010,556
Livingston	1	-	-	-	-	-	-	-	-	-	-	-	-	-
McDonough	6	5	2	3	-	-	2,214	-	-	-	-	-	2,214	25,864
Macon	84	104	72	32	-	-	220,340	-	-	-	-	-	220,340	299,544
Macoupin	22	6	2	4	-	-	3,708	-	-	-	-	-	3,708	10,293
Madison	27	23	3	16	-	-	18,221	1	3	-	1,140	-	19,361	128,181
Marion	217	123	45	54	4	-	304,686	19	-	1	34,931	-	339,617	2,060,967
Monroe	27	27	18	4	-	-	12,258	5	-	-	3,151	-	15,409	5,446
Montgomery	4	1	1	-	-	-	665	-	-	-	-	-	665	1,795
Morgan	1	1	-	1	-	-	561	-	-	-	-	-	561	-
Moultrie	1	1	-	1	-	-	3,000	-	-	-	-	-	3,000	2,097
Perry	19	5	-	5	-	-	11,864	-	-	-	-	-	11,864	13,380
Piatt	-	2	1	-	-	-	1,255	-	-	1	-	-	1,255	246
Pike	17	3	-	3	-	-	1,785	-	-	-	-	-	1,785	-
Randolph	6	6	-	6	-	-	7,579	-	-	-	-	-	7,579	43,650
Richland	267	183	88(1)	89	2	1	587,508	1	1	1	1,200	-	588,708	936,042
St. Clair	18	3	2	1	-	-	6,561	-	-	-	-	-	6,561	8,830
Saline	76	49	13	34	-(1)	-	147,316	-	-	1	-	-	147,316	286,113
Sangamon	21	15	6	8	-	-	24,052	1	-	-	1,785	-	25,837	205,997
Schuyler	5	1	-	1	-	-	665	-	-	-	-	-	665	-
Shelby	17	14	1	13	-	-	32,967	-	-	-	-	-	32,967	36,627
Vermilion	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Wabash	247	186	106	69	4	-	505,580	2	4	1	3,574	-	509,154	1,016,726
Washington	91	53	31	22	-	1	142,877	-	-	-	-	-	142,877	627,624
Wayne	413	306	157	125	11	1	1,056,065	5	4	4	16,005	-	1,072,070	3,323,346
White	309	254	130	112	2	10	861,648	2	7	1	7,406	-	869,054	3,205,080
Williamson	8	2	-	2	-	-	5,042	-	-	-	-	-	5,042	48,024
Production, location unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	292,692
Total	4,776	3,324	1,777(21)	1,276	49(4)	27	8,608,486	139	37	21	195,182	-	8,803,668	25,489,931

*Gas in parentheses; not included in totals.
 †Former D&A and other types of wells, except former producers.
 ‡Production is combined for Clark and Cumberland Counties.

TABLE 1B. Summary of underground natural gas storage drilling activity in 1981

County	Permits issued	Total completions	Injection and withdrawal wells		Service wells		Footage Drilled
			New wells	Conversions	New wells	Conversions	
Champaign	2	2	2	-	-	-	8,537
McDonough	-	1	-	-	1	-	410
Montgomery	1	-	-	-	-	-	-
	3	3	2	-	1	-	8,947

TABLE 2. Discovery wells of 4 new fields in 1981

Map no. (fig. 1)	County and location	Operator well no., and farm	Field	Initial daily prod., oil/water (bbl)	Pay zone	Prod. depth (ft)	Total depth (ft)	Completion date
1	Effingham 21-9N-6E	William R. Nuxoll 1 Ray F. Nuxoll	Sigel	200	McClosky	2,352	2,362	11-7
2	Hamilton 21-3S-6E	V. R. Gallagher 1 Weller-Bailey Comm.	Mayberry South	42/20	Salem	4,133	4,180	3-13
3	Jefferson 13-3S-1E	Farmers Crude Prod. Co. 1 Panzier-Wells	Woodlawn South	87	Salem	2,913	3,115	4-16
4	Piatt 8-19N-5E	J. U. Dodge 1-D McBride	Deland	10/650	Silurian	1,255	1,255	1-21

TABLE 3. Discovery wells of 55 new pay zones in fields in 1981 (C, Consolidated; E, East; W, West; N, North; S, South)

Map no. (fig. 1)	County and location	Operator, well no., and farm	Field	Initial daily prod. oil/water (bbl)	New pay zones	Prod. depth (ft)	Total depth (ft)	Comple- tion date	Remarks
5	Bond 23-5N-4W	Dolph Oprg. Co. 1 F. File	Old Ripley	SIGW	Cypress	788	2,151	10-26-80	Also extension to field.
6	Clay 4-3N-5E	Shakespeare Oil Co. 1 Sessions	Xenia E	5	McClosky	2,899	2,914	1-13	
7	Clay 4-3N-5E	Dart Oil & Gas Co. 1 Anderson	Oskaloosa	20	Devonian	4,400	4,605	11-10	
8	Clay 3-3N-8E	Hubert W. Rose 2 Straley	Noble W	5/340	Benoist Aux Vases	2,891 2,955	2,726	3-6-80	
9	Clay 2-4N-8E	Tri-State Exploration 1-A Kuenstler	Passport	5/50	Salem	3,508	3,550	3-31	
10	Clay 26-4N-8E	Booth Res., Inc. 1 F. Thomann	Pixley	17	McClosky	3,054	3,593	5-26	
11	Clay 34-4N-8E	Resource Consultants Corp. 1 M. J. Pence	Sailor Springs E	17	Spar Mtn.	3,106	3,686	6-24	
12	Clinton 26-3N-1W	David Allison 1 Speiser	Boulder E	450 MCF	McClosky	1,627	2,915	6-30-80	Also prod. from Devonian.
13	Cumberland 19-9N-11E	B & W Oil Co. 1 Helena Ragon	Oak Point W	10	McClosky	1,273	1,302	11-17	
14	Edwards 8-1N-14W	Donald Barnett 1 E. Clodfelter	Parkersburg S	20/18	Salem	3,694	3,708	2-17	
15	Edwards 19-1N-14W	Frank Yockey 1 E. Kollack	Samsville N	55	Spar Mtn.	3,114	3,998	8-5-80	Also extension to field.
16	Edwards 32-2N-14W	Bernard Podolsky 1 Markman	Parkersburg C	8/40	St. Louis	3,327	3,903	11-24	
17	Franklin 3-5S-3E	G. N. Mitchell Drig. 1 Dalby	Ewing	4/75	St. Louis Ullin	3,173 3,790	3,821	4-25	
18	Franklin 19-5S-3E	H & W Oil Co. 5 Boyles	Whittington	30	Devonian	4,904	6,105	8-4	
19	Franklin 1-7S-3E	Dwight Brehm Res. 1 Carney	Logan	56	St. Louis	3,380	4,028		
20	Gallatin 18-8S-8E	Richard W. Beeson 1 Cox	Eldorado E	5	Pennsyl- vanian	530	3,033	1-6	Also extension to field.
21	Hamilton 13-4S-6E	J. D. Turner B-1 F. C. Morris & Sons	Blairsville W	20	Salem Ullin	4,168 4,336	4,565	2-17	
22	Hamilton 34-5S-5E	Juniper Petro. Corp. 56-34 Eddy	Rural Hill N	43/96	McClosky	3,383	5,120	6-2	Also prod. from St. Louis & Ullin.
23	Jasper 6-7N-10E	Joseph G. Bigard 1 P. Cummings	Hidalgo S	24	Aux Vases	2,676	2,781	12-8	
24	Jasper 26-8N-9E	Black & Black Oil Co. 1 Keach	Rose Hill	15/25	Spar Mtn.	2,735	2,802	6-2	
25	Jasper 32-8N-10E	Parrish Prod. 2 F. Carpenter	Hidalgo S	80/40	Spar Mtn.	2,660	2,773	11-29-80	Also extension to field.
26	Jasper 19-8N-14W	Delmar Kloss 1 Wilma Fischer	Yale	6	Aux Vases	1,651	1,700	9-26	
27	Jefferson 4-1S-3E	G & F Oil Explor. 1 Thoele Comm.	Kell E	4/40	McClosky	2,640	3,090	1-10	
28	Jefferson 21-1S-4E	W. R. & Phyllis Becker 2 Mammie Floweree	Divide C	7/10	Ullin	3,502	3,601	8-4	
29	Jefferson 18-2S-3E	Dwight Brehm Res. A-1 Holman Comm.	Mt. Vernon N	7	St. Louis	3,011	3,133	7-7	
30	Jefferson 32-4S-3E	Midwestern Prod. Corp. 1 Clyde Droll	Ewing	7/80	Spar Mtn.	2,952	3,000	12-13-80	Also extension to field.
31	Lawrence 21-3N-13W	Hocking Oil 1 C. Sivert	Sumner S	2/100	Spar Mtn.	2,674	2,850	7-14	

TABLE 3—continued

Map no. (fig.1)	County and location	Operator, well no., and farm	Field	Initial daily prod. oil/water (bbl)	New pay zones	Prod. depth (ft)	Total depth (ft)	Comple- tion date	Remarks
32	Marion 30-2N-4E	J & K Oil Prop. 1 H. C. Bauer	Iuka S	50	Salem	3,237	3,290	7-14	
33	Marion 27-4N-4E	John L. Rister 1 D. N. Hanks	Miletus	50/75	Carper	3,650	3,999	4-6	OWDD, OTD, 2,585, was D&A. Also extension to field.
34	Richland 17-2N-10E	N. R. Etson Corp. 1 Verlin Cokley	Seminary	1/20	Salem	3,753	3,839	4-6	
35	Richland 28-3N-10E	Steven A. Zanetis 1 Lois Kimmel	Olney S	38	Salem	3,799	3,805	7-21	
36	Richland 5-4N-14W	Perry Fulk 1 E. Ginder	Stringtown E	120	Spar Mtn.	3,044	3,080	4-7	
37	Richland 22-4N-14W	Marks Explor. & Drlg. 1 M. Littlejohn	Amity W	5	Spar Mtn.	2,953	2,960	7-21	
38	Richland 23-4N-14W	Frank Yockey 1 Kocher	Amity S	5	McClosky	2,905	2,935	11-11-80	Also prod. from Spar Mtn.
39	Richland 27-5N-9E	Watch It Oil Co. 1 Huss	Wakefield S	10/20	Spar Mtn.	3,048	3,063	9-14	Revises field.
40	Richland 27-5N-9E	Watch It Oil Co. 1 Huss-Routt Comm.	Wakefield S	140	Salem	3,541	3,612	12-22	
41	St. Clair 35-3S-6W	River King Oil Co. 2 Meek Hrs.	Tilden N	18/10	Devonian	2,010	2,705	8-8	Also prod. from Silurian. Also extension to field.
42	Saline 19-8S-6E	Richard W. Beeson 1 Gary F. Ellis et al.	Raleigh S	40	Spar Mtn.	2,950	4,400	2-10	
43	Saline 27-8S-7E	M & L Well Service 2 Schimp	Grayson	2/1	Spar Mtn.	?	3,006	10-21	
44	Shelby 17-10N-4E	Schaefer Oil Co. 3 Flenner	Clarksburg	3/2	Bethel	1,779	1,779	9-20	
45	Wabash 5-1N-13W	Illinois Mid-Continent 1 Steve King	Lancaster Cen	4	Salem	3,447	3,447	9-29	
46	Wabash 6-1N-13W	Art Buchanan J-7 Jones	Lancaster Cen	180	Aux Vases	2,777	3,385	9-1	
47	Wabash 25-1N-14W	Small & Higgins 2 L. Seals	Gards Point C	60	Spar Mtn.	2,877	3,601	9-15	
48	Wabash 12-1S-13W	Hocking Oil Co. 2 Alvin Sharp	Mt. Carmel	15	Aux Vases	2,518	2,622	4-14	
49	Wayne 5-1N-6E	Crest Oil Co. 1 Johnie Harrell	Zenith E	125/125	St. Louis	3,273	4,040	9-22	
50	Wayne 8-1N-6E	Louis H. Kapp, Jr. 1 Alexander	Zenith E	20	Salem	3,946	4,102	7-21	Also extension to field.
51	Wayne 8-1N-6E	Louis H. Kapp, Jr. 1 Brown	Zenith E	15	McClosky	3,196	3,970	7-21	
52	Wayne 27-2S-6E	E. S. Guilliams 1 Legg & Bryant	Mayberry N	40/70	Ullin	4,194	4,311	10-2	
53	Wayne 16-3S-6E	V. R. Gallagher 1 Trotter	Mayberry S	47/28	Ullin	4,282	4,350	8-19	
54	White 19-4S-13W	Gene Michel 1 Mildred Hagedorn	Black River	7	Palestine	1,944	1,944	4-17	
55	White 16-6S-10E	Jim Haley Prod. 2 Mary Karner	Concord C	25	Salem	3,792	3,887	2-10	
56	White 9-7S-10E	Gem Oil & Gas 1 Downen	Herald C	40	St. Louis	3,234	3,900	8-25	

TABLE 4. Discovery wells of 95 extensions to fields in 1981 (C, Consolidated; E, East; W, West; N, North; S, South)

County and location	Operator, well no., and farm	Field	Initial daily prod. oil/water (bbl)	Pay zone	Prod. depth (ft)	Total depth (ft)	Completion date	Remarks
Bond 23-5N-4W	Dolphin Oprg. Co. 1 F. File	Old Ripley	SIGW	Cypress	788	2,151	10-26-80	Cypress new pay in field.
Clark 15-11N-14W	Redman Prod. 1 Wiser	Westfield	2/6	Casey	418	470	8-1	
Clay 23-4N-5E	McKinney Oil Prod. 1 Raness	Oskaloosa	12/70	Aux Vases	2,992	3,600	6-29	
Clay 10-4N-8E	Perry Fulk 1 Rauch	Ingraham	24/10	Aux Vases	2,920	3,600	4-7	
Clay 17-4N-8E	Homco, Ltd. 1 Spencer-Kesterson Comm.	Sailor Springs N	2/5	Spar Mtn.	2,983	3,667	10-19	
Clay 25-4N-8E	Homco, Ltd. 1 O. Sessengood	Pixley	50	Salem	3,555	3,556	1-20	
Clay 34-4N-8E	J. W. Rudy 1 M. L. Thomann	Sailor Springs E	15/10	Salem	3,529	3,566	11-10	
Clinton 12-1N-4W	BLH Assoc. 1 Leo Jansen Comm.	Germantown E	120	Silurian	2,412	2,525	3-13	
Crawford 23-5N-14W	R. B. Britton 1 R. Steber	Bowyer	5/15	Spar Mtn.	2,839	2,845	11-30-80	
Edgar 12-12N-14W	Earnest Zink 3 Zink	Inclose	SIGW	Pennsylvanian	500	500	9-1-80	
Edwards 13-1N-10E	Geo. N. Mitchell 1 B. Leigh	Parkersburg C	10	Ohara	3,214	4,100	9-24-80	
Edwards 26-1N-10E	San-Mar Oil 1 Hagood-Taylor	Maple Grove SC	106	Ohara	3,268	4,002	4-28	
Edwards 18-1N-14W	W. H. Kinsell #1 Robert Stevens	Parkersburg C	20/10	McClosky	3,178	3,931	1-6	
Edwards 35-1N-10E	Kendra Corp. 1 L. McKenzie	Maple Grove SC	50	McClosky	3,315	3,379	8-25	
Edwards 19-1N-14W	Frank Yockey 1 E. Kollack	Samsville N	55	Spar Mtn.	3,114	3,998	8-5-80	Spar Mtn. new pay in field.
Edwards 33-2N-14W	Donald E. Barnett 1 W. Clodfelter	Parkersburg C	6	Salem	3,673	3,912	5-12	
Edwards 2-1S-10E	Greenline Oil Co. 1 John Wade	Maple Grove SC	12/1	Ohara	3,254	3,380	5-5	
Edwards 2-1S-10E	Kendra Corp. 1 L. Gumbrell	Maple Grove SC	75	Ohara	3,268	3,380	8-25	
Edwards 2-1S-10E	Kendra Corp. 1 Ruby-Miller	Maple Grove SC	40	Spar Mtn.	3,312	3,395	10-27	
Edwards 10-1S-10E	Moore Engrg. & Prod. 1 W. Gumbrell	Maple Grove SC	294	McClosky	3,327	3,390	7-7	
Edwards 10-1S-10E	RK Petr. 1 Edwin Fewkes	Maple Grove SC	7	McClosky	3,347	3,425	7-14	
Edwards 17-1S-10E	Van Fossan Oil Assoc. 1 D. Sawyer	Bone Gap W	112	McClosky	3,324	3,375	9-15	
Edwards 24-1S-10E	F. L. Hagen 1 R. Reid	Bone Gap C	70	Aux Vases	3,121	3,821	2-24	
Effingham 28-6N-5E	Shakespeare Oil 1 Danks	Iola C	15/21	Spar Mtn.	2,468	2,615	5-19	
Fayette 26-9N-3E	James A. Gray 1 Doty	Louden	SIGW	Devonian	3,152	3,152	3-23-77	
Franklin 14-6S-2E	L. L. Tuck 1-F Duckworth	Benton	100	Aux Vases	2,760	2,760	1-15	
Franklin 30-6S-2E	James Dunston 1-I Hughes-Furrow	Sesser C	24/11	Aux Vases	2,600	2,660	5-5	

TABLE 4—continued

County and location	Operator, well no., and farm	Field	Initial daily prod. oil/water (bbl)	Pay zone	Prod. depth (ft)	Total depth (ft)	Completion date	Remarks
Gallatin 22-7S-9E	Triple B Oil Prod. 1 M. Howell	Herald C	50/30	Cypress Paint Creek	2,634 2,748	3,060	10-27	
Gallatin 18-8S-8E	Richard W. Beeson 1 Cox	Eldorado E	5	Pennsylvanian	530	3,033	1-6	Penn. new pay in field.
Hamilton 7-4S-7E	Art Buchanan F-2 Flannigan	Blairsville W	3/25	McClosky	3,406	4,300	7-15	
Hamilton 36-5S-5E	S. C. Vaughn 1 Phillips	Dale C	7	Salem	4,234	4,381	9-1	
Jasper 2-7N-9E	L & W Gas & Oil 1 K. Romack	Hidalgo S	15/20	Spar Mtn.	2,715	3,058	3-24	OWWO, was D&A.
Jasper 23-7N-9E	Allegheny Oil 1 P. Staley	Newton W	10	McClosky	2,844	2,950	9-22	
Jasper 4-7N-10E	Billy Weck 1 Ben Huber	Hidalgo S	37	McClosky	2,719	2,753	3-31	
Jasper 5-7N-10E	Red Hill Enterprises 1 C. Burton	Hidalgo S	30/10	McClosky	2,678	2,712	3-4	
Jasper 5-7N-10E	Knierim Oil Prod. 2 Dittamore	Hidalgo S	35	McClosky	2,743	2,759	7-21	
Jasper 6-7N-10E	Parrish Prod. Co. 1 Wyatt	Hidalgo S	3/20	McClosky	2,692	2,789	4-10	
Jasper 8-7N-10E	Parrish Prod. Co. 3-A Carpenter	Hidalgo S	17/10	McClosky	2,730	3,019	7-25	OWWO, was D&A.
Jasper 9-7N-10E	Marion Partlow 1 Donald Starwalt	Hidalgo S	72/10	McClosky	2,742	2,760	10-27	
Jasper 24-8N-9E	Parrish Prod. Co. 1 A. Cummins	Rose Hill	70/50	Spar Mtn.	2,718	2,794	7-15	OWDD, OTD 2,737, was D&A.
Jasper 25-8N-9E	Elwood Croy 1 Leland Keach	Hidalgo S	6/75	McClosky	2,693	2,850	9-11	
Jasper 35-8N-9E	L & W Gas & Oil 2 E. Croy	Rose Hill	120	McClosky	2,672	2,850	3-20	
Jasper 31-8N-10E	K. M. & W. Oil 1 G. Michl	Hidalgo S	20/5	McClosky	?	2,825	3-7	
Jasper 32-8N-10E	Parrish Prod. Co. 2 F. Carpenter	Hidalgo S	80/40	Spar Mtn. McClosky	2,660 2,730	2,773	11-29-80	Spar Mtn. new pay in field.
Jasper 19-8N-11E	Joseph G. Bigard 1 G. R. Hampston	Yale	1/30	Spar Mtn. McClosky	2,152 2,196	2,230	1-13	
Jasper 19-8N-14W	Delmar Kloss 1 W. R. Huddleston etux	Yale	2	McClosky	1,734	1,752	8-1	
Jefferson 15-4S-2E	Black Hawk Res. Corp. 52X-15 Jefferson Oil & Gas	Elk Prairie	123	McClosky	2,814	4,600	10-20	
Jefferson 32-4S-3E	Midwestern Prod. Corp. 1 Droll	Ewing	7/80	Spar Mtn.	2,952	3,000	12-13-80	Spar Mtn. new pay in field.
Lawrence 29-2N-12W	S & B Oil Co. 1 S. Thompson "C"	Allendale	14	Waltersburg	1,539	1,539	2-11	
Lawrence 18-2N-13W	Hocking Oil Co. 1 W. Thacker	Berryville C	18/150	Spar Mtn.	2,956	3,668	7-9	
Lawrence 29-2N-13W	POC Oil Co. 2 Griesmer	Lancaster	65	McClosky	2,754	2,754	12-1	
Lawrence 27-3N-11W	Donahue Oil Co. 1 Claude White	Beman	52/45	McClosky	1,878	1,922	5-6	
Macon 15-16N-1E	Chas. E. Watters 2 Howard Hoffman	Blackland N	60	Silurian	2,034	2,050	10-6	
Macon 7-17N-3E	Triple G Oil 1 Juanita Schwarze	Forsyth	1/0.5	Silurian	2,118	2,181	1-15	
Macon 18-17N-3E	Triple G Oil 1 H. Fombelle	Forsyth	24	Silurian	2,140	2,171	5-2	

TABLE 4--continued

County and Location	Operator well no., and farm	Field	Initial daily prod. oil/water (bbl)	Pay zone	Prod. depth (ft)	Total depth (ft)	Completion date	Remarks
Macoupin 21-8N-6W	Gas, Oil & Land Devel. 1 James Gibson	Eagarville E	4/2	Pennsylvanian	585	585	6-30	
Marion 22-1N-3E	G & F Oil Explor. 1 Miller	Exchange	28/52	McClosky	2,706	3,235	4-10	
Marion 7-1N-4E	Ego Oil 3 W. E. Harvey	Exchange NC	7	Spar Mtn.	2,718	3,409	7-5-80	
Marion 21-3N-4E	Shakespeare Oil 1 Middleton	Omega	93	McClosky	2,494	2,494	6-2	
Marion 27-3N-4E	Booth Res., Inc. 1 W. Arnold	Omega	36	Salem	2,912	3,185	11-17	
Marion 27-3N-4E	Edward C. Koch 1 Rathbone	Iuka	2/75	Salem	3,373	3,434	3-18	
Marion 34-3N-4E	Louis H. Kapp, Jr. 1 Rouse	Iuka	20/20	Salem	3,167	3,235	1-29	OWDD, OTD 2,766, was D&A.
Marion 27-4N-4E	John L. Rister 1 D. N. Hawks	Miletus	50/75	Carper	3,650	3,999	4-6	OWDD, OTD 2,585, was D&A. Carper new pay in field
Montgomery 11-8N-5W	William H. Whitmore 1 Varner	Litchfield	2	Pennsylvanian	648	665	4-28	
Richland 18-4N-14W	Perry Fulk 1 P. Schweizer	Stringtown S	40	Spar Mtn.	3,154	3,786	7-28	
Richland 32-5N-14W	M & H Energy 1 Francis Zuber	Stringtown	69	Spar Mtn.	3,004	3,038	2-17	
St. Clair 35-3S-6W	River King Oil 2 Meek Hrs.	Tilden N	18/10	Devonian Silurian	2,010 2,176	2,705	8-8	Devonian new pay in field.
St. Clair 36-3S-6W	Sandrock Co. 2 Canning	Tilden N	3/1	Silurian	?	2,150	3-10-80	
Wabash 6-1N-13W	Spindletop Oil & Gas 1 H. Pixley et al.	Lancaster Cen.	100	Ohara	2,768	3,710	11-3	
Wabash 13-1N-14W	Melvin G. Hall 2 Jackie Knackmus	Gards Point C	10	Ohara	2,826	2,826	5-19	
Wabash 2-1S-13W	Jack L. Elliott 2 Wilcox et al.	New Harmony C	56	Ohara	2,565	2,565	7-1	
Washington 27-1S-3W	Farm Feeds Const. 1 Hermeling-Richards	Nashville N	30	Devonian	2,730	2,730	1-14	
Washington 34-1S-3W	Farm Feeds Const. 4 Tielemann	Nashville N	40	Devonian	2,762	2,762	11-4-80	
Washington 3-2S-3W	Elmer Oelze, Jr. 2 Borrenpohl-Neuhaus	Nashville N.	20	Devonian	2,770	2,770	6-9	
Wayne 28-1N-5E	H. B. & Y. Assoc. 1 Bessie Carneal Est.	Orchardville C	140	Salem	3,356	4,030	12-16-80	
Wayne 8-1N-6E	Louis H. Kapp, Jr. 1 Alexander	Zenith E	20	Salem	3,946	4,102	7-21	Salem new pay in field.
Wayne 4-1N-7E	Perry Fulk 1 Carson-Ellis	Clay City C	22/10	Spar Mtn. McClosky	3,166 3,196	3,857	4-7	
Wayne 16-1N-9E	R. D. Ernest 1 R. Yohe et al.	Maple Grove C	94	Ohara	3,303	3,416	1-7	
Wayne 33-1N-9E	Bufay Oil Co. 1 L. Gill	Locust Grove	50/10	Ohara	3,308	3,410	11-30-80	
Wayne 8-1S-8E	John B. Murvin 1-A Witter	Clay City C	16	McClosky	3,220	4,060	1-13	
Wayne 2-2S-6E	Hocking Oil Co. 1 Tom Reedy et al.	Covington S	15	McClosky	3,338	3,357	2-17	
Wayne 30-2S-8E	Black Hawk Res. 51-30 Maud Nation	Clay City C	43/90	McClosky	3,397	3,475	7-1	
Wayne 15-2S-9E	Mid-America Petro. Corp. 1 Sample	Goldengate C	19	Ohara	3,327	4,500	7-28	
Wayne 9-3S-6E	States Explor., Inc. 75-9 Talbert	Mayberry	37/30	Salem	4,180	4,500	8-11	
Wayne 8-3S-8E	Perry Fulk 1 French	Mill Shoals	70/20	Spar Mtn.	3,368	4,350	4-7	
Wayne 11-3S-8E	Perry Fulk 1 C. E. Simpson	Barnhill	3/80	Aux Vases	3,375	4,200	11-10-80	
Wayne 17-3S-8E	Henry Fullop 1 Robinson	Mill Shoals	38/10	Salem	3,880	4,340	11-15-80	OWWO, was D&A.

TABLE 4--continued

County and location	Operator well no., and farm	Field	Initial daily prod. oil/water (bbl)	Pay zone	Prod. depth (ft)	Total depth (ft)	Completion date	Remarks
White 23-3S-8E	R K Petro Corp. 2 Walter Puckett	Goldengate C	12	Ohara	3,469	3,600	5-5	
White 25-3S-8E	Perry Fulk 1 C. Stahl	Goldengate C	18/3	Spar Mtn.	3,490	4,386	10-10-80	
White 8-4S-8E	C. E. Brehm Drlg. & Prdg. 1 C. Dauby Comm.	Mill Shoals	10/20	Aux Vases	3,385	3,540	4-14-80	
White 9-4S-8E	Perry Fulk 1 Corcoran-Mowrer	Burnt Prairie SW	4	Ohara	3,479	4,405	6-2	
White 31-4S-9E	C. E. Brehm Drlg. & Prdg. A-1 Roser	Trumbull C	55/38	Aux Vases	3,201	3,400	6-17-80	
White 35-4S-9E	Oil Investment, Ltd. 1 J. B. Brown	Sumpter S	39/20	Tar Springs	2,608	3,403	4-15	
White 5-7S-9E	Basin Energy Corp. 1 Beck	Herald C	65	Benoist	2,911	2,911	11-10	
White 9-7S-9E	Basin Energy Corp. 1 Sutton Comm.	Herald C	6/200	Aux Vases	2,933	4,153	5-22	

TABLE 5. Selected unsuccessful deep tests in 1981

County and location	Operator, well no., and farm	Field or wildcat	Deepest strata tested	Depth to top (ft)	Total depth (ft)	Completion date	Remarks
Franklin 19-5S-3E	H & W Oil 5 Boyles	Whittington	Trenton	5,980	6,105	8-4	Comp. as deeper pool discovery in Devonian
Jasper 22-5N-10E	Kelly Oil 1 H. Robbins	Wildcat near*	Silurian	5,146	5,392	9-4	
Marion 19-2N-3E	Montedoro Oil 1 Lofton Comm.	Wildcat far**	Trenton	5,198	5,320	5-11	
Washington 11-2S-2W	Christie-Stewart Drlg. 1 Sensel	Wildcat near	St. Peter	4,847	5,038	1-24	
White 31-3S-14W	Raymac Petro. 1-A Bisch-Metcalf	Phillipstown Consolidated	Devonian	4,802	5,101	8-18	

*Drilled ½ to 1½ miles from production.

**Drilled more than 1½ miles from production.

TABLE 6. Underground storage facilities for liquefied petroleum gases in Illinois, January 1, 1982

Company	Location	Type of storage	Approx. depth (ft)	Stratigraphic unit	Capacity (bbl)	Product
General Facilities, Inc.	Wood River, Madison County	Mined limestone	400	Valmeyeran (Mississippian)	80,000	Propane
Hydrocarbon Transportation, Inc.	Morris, Grundy County	Mined shale	1,450	Eau Claire	150,000	Ethane
Hydrocarbon Transportation, Inc.	Lemont, Will County	Mined shale Mined shale	304 358	Maquoketa Maquoketa	250,000	Propane Butane
Mid-America Pipeline Co.	Farmington, Peoria County	Mined shale	260	Pennsylvanian	440,000	Propane
Phillips Petroleum Co.	Kankakee, Kankakee County	Mined shale	300	Maquoketa	260,000	Propane
Shell Oil Co.	Wood River, Madison County Wood River, Madison County	Mined limestone Mined limestone	430	Valmeyeran (Mississippian)	500,000 232,000	Butane Propane
Tuloma Gas Products Co.	Wood River, Madison County Wood River, Madison County	Mined limestone Mined limestone	400	Valmeyeran (Mississippian)	190,000 50,000	Propane Propylene
U.S. Industrial Chemicals Co.	Tuscola, Douglas County Tuscola, Douglas County	Mined limestone and siltstone	350	Pennsylvanian	170,000 800,000	Propane Propane
Warren Petroleum Corp.	Crossville, White County	Mined shale	--	Pennsylvanian	52,000	LP gas
TOTAL					3,174,000	

TABLE 7. Active underground natural gas storage

Project	Company	County Township Range	Operational data (initial)			Number of wells			Geologic data			
			Devel- opment	Stor- age	With- drawal	Oper- ating	Obser- vation	Other	Stratigraphic unit	Lithol- ogy	Trap	Native fluid
Ancona	Northern Illinois Gas Co.	La Salle & Livingston	1961	1963	1965	112	33	—	Mt. Simon	sand	anti-cline	water
Ashmore	Central Illinois Public Service	Coles & Clark	1960	1963	1963	50	5	—	Spoon	sand	dome	gas
Brocton	URS	Douglas & Edgar	(potential air storage)			0	5	—	Lingle	lime	dome	water
Centralia	Illinois Power Co.	Marion	1960	1964	1966	17	4	—	Pennsylvanian	sand	strati-graphic	gas
East Cooks Mills	Natural Gas Pipeline Co.	1N-1E Coles & Douglas	1956	1959	1959	24	9	—	Cypress	sand	lens	gas
Corinth	Central Illinois Public Service	Williamson	1972	1972	1972	4	—	—	Spar Mountain ("Rosiclare")	sand	—	gas
Crab Orchard	Central Illinois Public Service	Williamson	1972	1972	1972	—	—	—	Hardinsburg	sand	—	gas
Crescent City St. P.	Northern Illinois Gas Co.	Iroquois	1959	1967	(operations temporarily ceased)			—	St. Peter	sand	anti-cline	water
Crescent City Mt. S.			(in exploration)			4	9	—	Mt. Simon	sand	dome	water
Eden South	Illinois Power Co.	Randolph	1970	1971	1971	12	2	—	Cypress	sand	strati-graphic	gas
Elbridge	Midwestern Gas Transmission Co.	Edgar	1961	1965	1966	12	7	—	Grand Tower	lime	drape	water
Freeburg	Illinois Power Co.	12, 13N-11W St. Clair	1958	1959	1959	87	3	—	Cypress	sand	over reef	gas
Gillespie-Benld	Illinois Power Co.	1, 2S-7W Macoupin	1958	1958	1959	7	0	—	Pennsylvanian	sand	strati-graphic	gas
Glasford	Central Illinois Light Co.	8N-6W Peoria	1960	1964	1964	33	14	—	Niagaran	dolo-mite	dome	water
Herscher Gvl.	Natural Gas Pipeline Co.	7N-6E Kankakee	1952	1953	1953	60	148	24	Galesville	sand	anti-cline	water
Herscher Mt. S.		30N-10E	1957	1957	1958	55	18	—	Mt. Simon	anti-cline	anti-cline	water
Herscher-Northwest	Natural Gas Pipeline Co.	Kankakee	1968	1969	1970	20	15	1	Mt. Simon	sand	anti-cline	water
Hillsboro	Illinois Power Co.	30, 31N-9E Montgomery	1972	1974	1975	4	7	—	St. Peter	sand	dome	water
Hookdale	Illinois Power Co.	9, 10N-3W Bond	1962	1963	1963	10	4	—	Yankeetown ("Benoist")	sand	strati-graphic & structural	gas
Hudson	Northern Illinois Gas Co.	McLean	1970	1971	1971	32	8	1	Mt. Simon	sand	dome	water
Hume	URS	24, 25N-2, 3E Edgar	(potential air storage)			0	9	—	Lingle	lime	dome	water
Lake Bloomington	Northern Illinois Gas Co.	16N-13, 14W McLean	1971	1971	1972	35	16	1	Grand Tower	dolomite	anti-cline	water
Lexington	Northern Illinois Gas Co.	25, 26N-2, 3E McLean	1971	1971	1972	32	12	1	Mt. Simon	sand	dome	water
Lincoln	Central Illinois Light Co.	25N-3, 4E Logan	1971	1974	1974	20	14	—	Silurian	dolo-mite	dome	water
Loudon	Natural Gas Pipeline Co.	19N-3W Fayette	1967	1967	1969	66	84	—	Grand Tower	lime	anti-cline	oil
Manlove	Peoples Gas Light & Coke Co.	7, 8, 9N-3E Champaign	1960	1964	1966	139	12	—	Mt. Simon	sand	anti-cline	water
Media Gvl.	Mid-Continent Gas Storage Co.	21N-7E Henderson	(testing)			3	13	—	Galesville	sand	dome	water
Media Mt. S.		9N-4, 5W	(testing)			—	—	—	Mt. Simon	sand	dome	water
Mills & Edwards	Egyptian Gas Storage Co.	Gallatin	1974	1975	1975	2	1	—	Tar Springs	sand	lens	gas
	Egyptian Gas Storage Co.	7S-9E Gallatin	1974	1975	1975	1	0	—	Palestine	sand	lens	gas
Nevins	Midwestern Gas Transmission Co.	8S-8E Edgar	1961	1965	1966	13	8	—	Grand Tower	lime	drape	water
Pecatonica	Northern Illinois Gas Co.	12, 13N-11W Winnebago	1967	1969	1970	14	15	—	Eau Claire	sand	over reef	water
Pontiac Gvl.	Northern Illinois Gas Co.	27N-10E Livingston	1975	1976	1977	10	6	0	Galesville	sand	dome	water
Pontiac Mt. S.	Northern Illinois Gas Co.	27, 28N-6E Livingston	1966	1968	1969	43	7	1	Mt. Simon	sand	dome	water
Richwoods	Gas Utilities Co.	6N-11W Crawford	1966	1966	1966	4	2	—	Pennsylvanian	sand	—	gas
St. Jacob	Mississippi River Transmission Corp.	Madison	1963	1963	1965	10	3	1	St. Peter	sand	dome	water
Sciota	Central Illinois Public Service	3N-6W McDonough	1974	1975	1975	12	9	—	Mt. Simon	sand	dome	water
Shanghai	Illinois Power Co.	6, 7N-3, 4W Warren & Mercer	1970	1971	1971	9	10	—	Galesville	sand	dome	water
State Line	Midwestern Gas Transmission Co.	12, 13N-1W Clark, Ill., & Vigo, Ind.	1961	1963	1964	9	6	—	Grand Tower	lime	drape	water
Tilden	Illinois Power Co.	12N-10W St. Clair & Washington	1957	1961	1961	45	14	—	Cypress	sand	strati-graphic	gas
Troy Grove	Northern Illinois Gas Co.	3S-5, 6W La Salle	1957	1958	1959	96	31	—	Eau Claire	sand	dome	water
Tuscola	Panhandle Eastern Pipeline Co.	34, 35N-1E Douglas & Champaign	—	—	—	13	11	1	Mt. Simon	sand	dome	water
Waverly St. P.	Panhandle Eastern Pipeline Co.	16, 17N-8E Morgan	1952	1954	1962	—	—	—	St. Peter	sand	dome	water
Waverly Gvl.	Panhandle Eastern Pipeline Co.	13N-8W Morgan	1969	1969	1970	59	27	22	Galesville	sand	dome	water

projects in Illinois—January 1, 1982

Area in acres		Reservoir data				Capacities (MMcf)*			Max. vol. in storage 1981 (MMcf)	Withdrawals (MMcf)		Project
Storage	Closure	Depth (feet)	Thickness or closure (feet)	Average porosity (%)	Average permeability (millidarcys)	Potential working and cushion	Dec. 31, 1981			1981 Peak daily	1981 Total	
							Working	Cushion				
—	12,840	2,154	290	12.3	114	170,000 [†]	52,843 [†]	100,313 [†]	167,188 [†]	732	42,670 [†]	Ancona
—	1,600	400	4-80	15.0	up to 3,000	3,564	1,536	1,991	3,548	26	392	Ashmore
—	32,000	672	220	12.2	—	70,000	—	—	—	—	—	Brocton
463	—	812	49	18.2	200	660	202	416	618	14	104	Centralia East
—	1,500	1,600	40	16.0	67	5,200	3,515	1,567	5,082	70	1,343	Cooks Mills
20	—	2,125	28	—	—	489	337	139	466	3	81	Corinth
20	—	2,200	19	—	—	100,000	—	—	—	—	—	Crab Orchard
—	16,725	1,200	150	14.5	138	50,000	—	—	—	—	—	Crescent City St. P.
—	—	—	—	—	—	100,000	—	—	—	—	—	Crescent City Mt. S.
—	1,000	875	18	20.6	168	1,410	541	868	1,410	6	148	Eden South
—	1,691	1,925	145	17.5	18	7,490	1,079	6,295	7,475	30	144	Elbridge
4,222	—	350	47	21.5	216	7,159	2,347	4,636	7,159	36	699	Freeburg
113	—	510	28	16.0	326	150	31	116	149	4	25	Gillespie-Benld
—	3,200	800	120	12.0	426	12,586	6,292	6,293	12,585	93	597	Glasford
6,750	8,000	1,750	100	18.0	467	54,700	11,744	23,283	38,084	775	14,439	Herscher Gvl.
7,500	8,000	2,450	80	12.0	185	67,000	32,269	32,504	67,307	153	10,307	Herscher Mt. S.
—	3,000	2,200	58	15.0	82	18,500	6,776	10,716	17,813	35	1,850	Herscher-Northwest
4,000	—	3,150	100	16.0	250	10,161	4,221	5,912	10,160	41	601	Hillsboro
414	—	1,125	28	20.3	458	1,096	619	285	954	31	213	Hookdale
—	13,200	3,800	160	11.0	45	100,000 [†]	6,463 [†]	26,291 [†]	35,055 [†]	148	0	Hudson
—	6,500	670	136	12.4	—	4,000	—	—	—	—	—	Hume
—	10,600	3,525	97	11.0	45	45,000 [†]	12,090 [†]	33,839 [†]	48,342 [†]	99	7,833 [†]	Lake Bloomington
—	14,300	3,800	100	10.7	37	100,000 [†]	7,914 [†]	31,309 [†]	41,746 [†]	101	5,492 [†]	Lexington
—	3,000	1,300	85	12.0	250	12,174	1,765	6,696	10,129	51	1,684	Lincoln
2,610	—	3,050	65	15.0	—	75,000	30,563	37,564	75,377	362	20,530	Loudon
—	13,370	3,950	116	11.0	15	200,000	39,500	86,932	132,649	721	21,324	Manlove
—	4,700	2,100	100	17.2	448	62,000	0	0	0	0	0	Media Gvl.
—	3,500	2,500	100	14.3	152	50,000	0	0	0	0	0	Media Mt. S.
—	224	2,302	18	—	—	747	90	70	160	1	18	Mills
—	142	1,825	30	—	—	245	68	77	145	1	14	Edwards
—	1,650	1,975	105	16.5	25	7,220	1,501	5,685	7,210	32	1,013	Nevins
—	2,600	800	38	18.6	556	3,500 [†]	896 [†]	1,956 [†]	3,180 [†]	34	992 [†]	Pecatonica
—	—	2,425	100	18.0	704	50,000 [†]	0 [†]	4,626 [†]	5,050 [†]	87	0	Pontiac Gvl.
3,500	—	3,000	100	10.0	25	45,000 [†]	12,685 [†]	25,345 [†]	42,242 [†]	179	13,165 [†]	Pontiac Mt. S.
—	—	700	—	—	—	110	40	80	110	0	8	Richwoods
550	650	2,860	100	14.0	400+	3,565	555	2,840	3,395	21	792	St. Jacob
—	2,500	2,600	70	12.0	39	5,000	1,345	2,533	3,877	19	340	Sciota
—	1,850	2,000	95	15.2	246	11,606	5,411	6,007	11,601	70	848	Shanghai
—	496	1,860	91	17.3	47	5,006	1,068	3,920	5,002	0	0	State Line
1,287	—	800	33	20.8	183	3,090	901	1,820	3,016	52	697	Tilden
—	9,600	1,420	100	17.0	150	80,000 [†]	30,412 [†]	33,982 [†]	75,515 [†]	829	36,973 [†]	Troy Grove
—	—	4,000	—	—	—	15,000	1,420	9,011	11,125	25	1,646	Tuscola
1,500	7,000	1,800	115	18.0	1,220	55,000	6,466	40,671	51,105	220	10,740	Waverly St. P.
—	—	3,500	68	—	—	—	—	—	—	—	—	Waverly Gvl.

*Million cubic feet. †1977 data; 1978-1981 data not reported.

TABLE 8. Illinois oil field statistics, 1981

Explanation of abbreviations and symbols

Field:	N, North; S, South; E, East; W, West; C, Consolidated; Cen, Central. Fields located in two or more counties have county names listed in order of oil discovery.
Age:	PC, Precambrian; CAM, Cambrian; ORD, Ordovician; SHK, Shakopee; STP, St. Peter; TRN, Trenton; SIL, Silurian; DEV, Devonian; DVS, Devonian-Silurian; MIS, Mississippian; PEN, Pennsylvanian.
Kind of rock in pay zones:	D, dolomite; DS, sandy dolomite; L, limestone; LS, sandy limestone; OL, oolitic limestone; S, sandstone.
ABD:	Field abandoned.
REV:	Field revived.
Structure:	A, anticline; C, accumulation due to change in character of rock; D, dome; F, faulting; H, strata horizontal or nearly horizontal; L, lens; M, monocline; N, nose; R, reef; T, terrace; U, unconformity. Combinations of the letters are used when more than one factor applies.
+	Field listed in Table 9 (gas production).
†	Illinois portion only.
#	Acreage is included in the immediately preceding figure.
X	Correct entry not determinable.

TABLE 8. Illinois oil field statistics, 1981

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (+ SECONDARY RECOVERY SEE PART III)	PAY ZONE NAME AND AGE	YEAR DEP OF TH OVRC	AREA PRD VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS					CHARACTER OF OIL			DEEPEST TEST			
				1981	TO END OF 1981	COMP TO END OF 1981	CO= HPL- 1981	AD- ETED IN 1981	PROD- AND ONED 1981	UCING END OF YEAR	SUL- GR, PERC	PAY ZONE KIND OF ROCK	THI- STR- UCT-	ZONE	DEP- TH (FT)		
																1981	1981
AD LAKE, GALLATIN, 88, 10E																	
		1947	80	2,4	132,6	10	0	0		3				M	MIS	2953	
PENNSYLVANIAN		605 1957	40			4	0	0		39			10	M			
PALESTINE, MIS		1835 1954	10			1	0	0		36			5	MP			
WALTERSBURG, MIS		2000 1957	40			3	0	0		37			10	M			
RENAULT, MIS		2735	20			2	0	0		39			8	MP			
AUX VASES, MIS		2770	10			1	0	0		35			9	MP			
AD LAKE SOUTH, GALLATIN, 98, 10E																	
AUX VASES, MIS		2798 1959	10	0,0	3,8	1	0	0		0	36		8	6	M	MIS	2982
ABU 1963																	
*AD LAKE WEST, GALLATIN, 8-98, 9-10E																	
		1950	460	3,5	545,5	35	1	0		17				M	MIS	4077	
PENNSYLVANIAN		725 1954	50			3	0	0		35			10	ML			
WALTERSBURG, MIS		2020 1956	300			19	0	0		37			20	ML			
TAR SPRINGS, MIS		2073 1958	30			2	0	0		38			10	ML			
CYPRESS, MIS		2425 1954	10			1	0	0		36			9	ML			
AUX VASES, MIS		2735	180			18	0	0		36			8	ML			
MCCLOSKEY, MIS		2830	20			2	1	0		38			2	MC			
*ADEN C, WAYNE, HAMILTON, 2-38, 7E																	
		1958	2410	24,6	13591,5	128	0	1		93				A	DEV	5450	
AUX VASES, MIS		3200 1938	1570			64	0	1		39			10	A			
OHARA, MIS		3290 1943	2040			10	0	1		35			7	A			
SPAR MTN, MIS		3320 1943	#			6	0	0		35			5	AC			
MCCLOSKEY, MIS		3350 1938	#			79	0	1		35			4	A			
SALEM, MIS		3735 1948	60			9	0	0		36			16	AC			
ULLIN, MIS		4132 1959	50			8	0	0		39			16	AC			
LINGLE, DEV		5102 1968	10			1	0	0		8			10	A			
DUTCH CREEK, DEV		5318 1959	30			3	0	0		40			10	A			
ADEN EAST, WAYNE, 2S, 7E																	
MCCLOSKEY, MIS		3434 1961	10	0,0	0,0	1	0	0		0	39		OL	6	MIS	3552	
ABU 1961																	
*ADEN SOUTH, HAMILTON, 38, 7E																	
		1948	330	2,0	899,7	29	0	0		8				A	DEV	5462	
AUX VASES, MIS		3245 1946	170			9	0	0		39			8	AL			
OHARA, MIS		3310	350			3	0	0		37			7	AC			
SPAR MTN, MIS		3330	#			8	0	0		37			8	AC			
MCCLOSKEY, MIS		3395 1945	#			17	0	0		38			9	AC			
*AKIN, FRANKLIN, 68, 4E																	
		1942	770	6,0	2458,9	60	0	1		11				A	MIS	4300	
CYPRESS, MIS		2840 1942	220			14	0	0		35	0,14	8	10	AL			
AUX VASES, MIS		3100	530			41	0	1		37	0,12	8	22	AL			
OHARA, MIS		3100 1956	70			4	0	0		38			18	AC			
MCCLOSKEY, MIS		3270 1943	#			1	0	0		38			9	AC			
AKIN WEST, FRANKLIN, 68, 4E																	
		1948	120	4,0	254,9	9	0	1		6				A	DEV	5185	
CYPRESS, MIS		2715 1950	30			2	0	0		35			8	AL			
OHARA, MIS		3050 1948	70			2	0	0		37			10	AC			
SPAR MTN, MIS		3080 1948	#			1	0	0		37			12	AC			
MCCLOSKEY, MIS		3130	#			3	0	1		39			4	AC			
SALEM, MIS		3663 1962	10			1	0	0		38			10	A			
ULLIN, MIS		3994 1962	20			2	0	0		37			10				
ALBION CEN, EDWARDS, 28, 10E																	
		1955	110	0,0	136,0	7	0	0		1				MIS		3510	
OHARA, MIS		3350 1955	110			7	0	0		37			L	5			
MCCLOSKEY, MIS		3395	#			1	0	0					L	4			
*ALBION C S, EDWARDS, WHITE, 1-38, 10-11E, 14W																	
		1940	5880	260,0	30669,2	920	13	0		191				AH	DEV	5185	
MANFIELD, PEN		1650	1960			7	0	0		28			5	MF			
BRIDGEPORT, PEN		1900	#			30	0	0		29	0,16	8	15	MF			
BIEM, PEN		2000 1944	#			158	0	0		37	0,16	8	15	MF			
DEGONIA, MIS		2125	10			2	0	0		39			9	MF			
WALTERSBURG, MIS		2365 1949	690			67	0	0		36			16	AL			
TAR SPRINGS, MIS		2460 1944	190			11	1	0		37			5	AL			
HARDINBURG, MIS		2638	70			6	0	0		36			10	A			
CYPRESS, MIS		2860	530			46	0	0		37			15	A			
BETHEL, MIS		2960	970			60	0	0		36			14	AP			
BENOIST, MIS		3000	260			20	2	0		34			13	AP			

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR	AREA	PRODUCTION		NUMBER OF WELLS				CHARACTER				DEEPEST TEST
				PRQ	H BBLs	COMP	CO-	LETED	HPL	AB-	PROD-	OF OIL	PAY ZONE	
NAME AND AGE	DEP. OF TH DISC. (FT)	OF VEED IN	ACRES	DUR- ING 1981	TO END OF 1981	TO END OF 1981	IN ONED 1981	AND- UCING YEAR	GR, PERC- API ENT	SUL- FUR OF ROCK	OP KIND UCT-	THI- CKN- 688	STR- UCT- URE	TH (FT)
(CONTINUED FROM PREVIOUS PAGE)														
*ALBION C +, EDWARDS, WHITE, 1-38, 10-11E, 14W														
RENAULT, MIS	2988	1980	10			1	0	0			S	8		
AUX VASES, MIS	3045	1942	1840			128	6	0		37	S	18	AF	
OHARA, MIS	3110	1943	1920			16	2	0		40	L	5	AC	
SPAR MTN, MIS	3130		#			9	2	0		38	L	10	AC	
MCCLOSKEY, MIS	3200	1940	#			104	1	0		37	L	12	AC	
SALEM, MIS	3596	1980	20			2	1	0			L	8		
ULLIN, MIS	3968	1980	20			2	1	0			L	10		
*ALBION EAST, EDWARDS, 28, 14W														
CYPRESS, MIS	2800	1943	1340	79.2	2455.8	111	3	1		67			A	MIS 3800
BETHEL, MIS	2920		300			25	0	0		32	S	7	A	
BENOIST, MIS	2925		170			11	0	0		38	S	6	AL	
RENAULT, MIS	3001	1980	40			21	1	0		38	S	10	AC	
AUX VASES, MIS	3020		340			2	0	0			S	8		
OHARA, MIS	3100	1943	770			25	1	0		34	S	17	AL	
SPAR MTN, MIS	3125	1947	#			16	0	0		38	L	7	A	
MCCLOSKEY, MIS	3155		#			23	1	1			L	7	A	
						19	1	0			L	7	A	
ALBION NORTHWEST, EDWARDS, 18, 10E														
MCCLOSKEY, MIS	3300	1967	30	0.7	39.2	3	0	0		2	L	6		MIS 3433
ALBION WEST, EDWARDS, 38, 10E														
OHARA, MIS	3230	1976	40	1.5	13.9	3	0	0		2				MIS 3762
MCCLOSKEY, MIS	3375	1953	#			2	0	0			L	8		
						1	0	0			L	5		
														ABU 1953, REV 1976
*ALLENDALE, WABASH, LAWRENCE, 1-2N, 11-13W														
PLEASANTVIEW, PEN	660	1912	10160	267.0	23892.5	1209	19	10		375			AM	OND 5143
BRIDGEPORT, PEN	1070		6670			0	0	0			S	30	AM	
BUCHANAN, PEN	1290		#			0	0	0			S	12	AM	
BIEHL, PEN	1450		#			0	0	0			S	15	AM	
JORDAN, PEN	1490		#			739	9	0		33	S	20	AM	
WALTERSBURG, MIS	1540		#			28	0	0			S	10	AM	
TAR SPRINGS, MIS	1600		370			33	2	1		31	S	15	AM	
HARDINSBURG, MIS	1780		260			23	0	0		30	S	20	AM	
CYPRESS, MIS	1920		10			2	0	0		34	S	10	AM	
SAMPLE, MIS	1769		1860			91	2	6		34	S	10	AM	
BETHEL, MIS	2010		1300			12	0	0		35	S	X	AM	
AUX VASES, MIS	2280		#			104	1	1		35	S	10	AM	
OHARA, MIS	2300		180			14	0	0		37	S	12	AM	
SPAR MTN, MIS	2304		1210			26	3	1			L	10	AM	
MCCLOSKEY, MIS	2300		#			15	0	1			LS	5	AM	
ST LOUIS, MIS	2275	1967	#			37	4	1		36	L	8	AM	
SALEM, MIS	2774	1966	30			3	0	1		39	L	15		
ULLIN, MIS	2806	1968	100			8	1	2		39	L	10		
			40			3	1	0		39	L	12		
ALMA, MARION, 4N, 2E														
CYPRESS, MIS	1805	1941	60	1.3	83.3	6	0	0		0			A	DEV 3692
BENOIST, MIS	1945	1942	10			1	0	0		35	S	7	AL	
SPAR MTN, MIS	2085	1941	50			6	0	0		36	S	8	AL	
			40			2	0	0		36	0.26	L	10	AC
														ABU
AMITY, RICHLAND, 4N, 14W														
AUX VASES, MIS	3060	1942	70	1.1	60.4	5	0	0		2				MIS 3873
MCCLOSKEY, MIS	2960	1977	10			1	0	0			S	10		
			70			5	0	0		36	OL	5	MC	
AMITY S, RICHLAND, 4N, 14W														
SPAR MTN, MIS	2890	1953	260	46.8	126.3	17	11	1		15				MIS 3071
MCCLOSKEY, MIS	2905	1953	260			17	11	1		38	L	4		
			#			1	1	0			L	3		
														ABU 1953, REV 1979
AMITY W, RICHLAND, 4N, 14W														
AUX VASES, MIS	2925	1953	30	0.0	0.0	2	1	0		1				MIS 3107
SPAR MTN, MIS	2953	1981	10			1	0	0		38	S	12		
			20			1	1	0			S	5		
														ABU 1954, REV 1981
ASHLEY, WASHINGTON, 28, 1W														
BENOIST, MIS	1430	1953	210	10.3	505.2	15	0	0		13	30	S	7	DEV 3116

TABLE 8—continued

WELL LOCATION AND RANGE (SEE PART II)	PAY ZONE	YEAR	AREA	PRODUCTION		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST		
				PRO-VED	TO END OF 1981	COMPL-ETED TO 1981	CO-PROD-UCED AND ONED END OF 1981	AB-AND-UCING	PROD-UCING	GR. API	SUL-FUR PERC-ENT			KIND OF ROCK	THICK-NESS
ASHLEY E, WASHINGTON, 28, 1W	BENOIST, MIS	1936	60	1.0	64.8	5	0	0	5			8	6	MIS	2030
ASHMORE E, COLES, 13N, 14W	PENNSYLVANIAN	1915	60	0.1	0.6	6	0	0	4	30		8	14	DEV	1228
ASHMORE S +, COLES, CLARK, 12N, 10-11E, 14W	UNNAMED, PEN MISSISSIPPIAN	1958 1958 1963	320 320 20	1.8	58.2	24 23 1	0 0 0	0	17 24 38			8 8 L	X X 17	AL	TRN 2260
ASSUMPTION CEN, CHRISTIAN, 13N, 1E	DEVONIAN	1961	10	0.0	0.0	1	0	0	0	38		L	4	SIL	2566
*ASSUMPTION C, CHRISTIAN, 13-14N, 1E	BENOIST, MIS SPAR MTH, MIS LINGLE, DEV	1948 1949 1948	2500 390 220	67.1	10906.0	192 47 17	3 0 0	0	59 36 40			8 8 L	X X 8	A A A	ORD 3070
ASSUMPTION S, CHRISTIAN, 12N, 1E	LINGLE, DEV	1951	50	0.4	24.5	3	0	0	1	39		L	15	SIL	2600
AVA-CAMPBELL HILL +, JACKSON, 7S, 3-4W	CYPRESS, MIS	1916	140	0.0	25.0	16	0	0	0	36		8	18	A	TRN 3582
BALDWIN, RANOLPH, 4S, 6W	SILURIAN	1954	30	0.2	12.2	3	0	0	1	32		L	X	R	TRN 2234
BANNISTER, MARION, 2N, 3E	AUX VASES, MIS	1973	10	0.0	8.6	1	0	0	0			8	5	DEV	4226
*BARNHILL, WAYNE, WHITE, 2-3S, 8-9E	AUX VASES, MIS OHARA, MIS SPAR MTH, MIS McCLOSKEY, MIS ST LOUIS, MIS SALEM, MIS	1939 1943 1940 1939 1920 1925	2370 1150 1340 8 8 10 360	81.8	6449.9	203 90 10 16 80 1 19	15 1 1 4 1 0 8	2	87 39 0 38 38 39			8 OL LS OL L L	15 6 9 15 7 8	A AL AC AC AC AC AC	DEV 5500
*BARTELSO, CLINTON, 1-2N, 3W	CARLYLE(CYP), MIS SILURIAN	1936 1936 1939	620 420 430	32.0	4259.8	116 76 41	1 0 1	0	48 36 42			8 0.20 0.27	8 15 12	U U K	STP 4212
*BARTELSO E, CLINTON, 1N, 3W	SILURIAN	1950	210	7.4	964.2	21	0	0	16	42		L	7	K	SIL 2788
BARTELSO S, CLINTON, 1N, 3W	DEVONIAN	1942	60	0.0	23.7	3	0	0	0	40		L	3	A	DEV 2652
BARTELSO W, CLINTON, 1N, 3-4W	CYPRESS, MIS SILURIAN	1945 1945 1961	290 290 10	1.8	105.0	22 19 1	1 1 0	0	11 36 40			8 15 L	15 7 A	A A A	SIL 2600
*BEAUCOUP, WASHINGTON, 2S, 2W	CLEAR CREEK, DEV TRENTON, ORD	1951 1951 1952	280 280 10	1.5	384.8	14 14 1	0 0 0	0	10 39 39			L L	12 5	A A A	TRN 4192

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART I)	PAY ZONE	YEAR	AREA	PRODUCTION			NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST	
				PRO- VED IN ACRES	DUR- ING 1981	TO END OF 1981	COM- PLET- ED TO 1981	CO- MP- LETED TO 1981	AB- AND 1981	PROD- UCING YEAR	SUL- FUR PERC- OF GR.	KIND OF ROCK			THI- STR- URE
*BEAUCOUP 2, WASHINGTON, 28, 2W BENOIST, MIS		1430 1951	260	5.4	1076.0	22	0	0	12	35	8	9	AL	ORD	4170
*BEAVER CREEK, BOND, CLINTON, 3-4N, 2-3W BENOIST, MIS		1130 1942	180	4.3	299.0	17	0	0	4	34	0.25	8	6	A	SIL 2556
BEAVER CREEK N, BOND, 4N, 3W BENOIST, MIS		1115 1949	80 ABD 1954, REV 1958, ABD 1964	0.0	0.7	6	0	0	0	24	8	4	A	DEV	2556
*BEAVER CREEK S +, CLINTON, BOND, 3-4N, 2-3W CYPRESS, MIS		1005 1946	600	9.7	762.7	55	1	0	26					A	SIL 2606
		1076 1974	10			2	0	0	36			8	20	A	
		1140 1946	570			1	0	0	35			8	7	A	
						52	1	0				8	5	A	
BECKEMEYER GAS +, CLINTON, 2N, 3W CYPRESS, MIS		1070 1956	10	0.0	0.0	1	0	0	0			8	23	SIL	2730
								ABD 1958							
*BELLAIR, CRAWFORD, JASPER, 8N, 14W (500 FT), PEN		560 1907	2250	X	X	546	2	1	71					AM	DEV 2732
(800 FT), PEN		815	2140			315	0	1	29			8	30	AM	
(900 FT), MIS		885				78	1	0	37			8	X	AM	
CYPRESS, MIS		950	90			190	0	0	37			8	X	AM	
BENOIST, MIS		1000	420			6	1	0	36			8	4	AM	
RENAULT, MIS		830	30			5	0	0	36			8	10	AM	
AUX VASES, MIS		800	220			6	0	0	37			8	6	AM	
OHARA, MIS		860	30			12	0	0	38			8	X	AM	
CARPER, MIS		1748 1969	50			1	0	0	37			L	4	A	
						4	0	0				8	14		
						SEE CLARK COUNTY DIV. FOR PRODUCTION									
*BELLE PRAIRIE, HAMILTON, 48, 6-7E MCCLOSKEY, MIS		3420 1940	300	7.3	1110.9	17	0	0	9	38	0.12	L	6	AC	DEV 5483
BELLE PRAIRIE W, HAMILTON, 48, 5E SALEM, MIS		4120 1959	160	41.9	87.1	14	4	0	13						DEV 5445
ULLIN, MIS		4206 1959	130			10	4	0				L	10		
			50			5	1	0	37			L	6		
						ABU 1960, REV 1980									
BELLE NIVE, JEFFERSON, 38, 4E MCCLOSKEY, MIS		1943	130	4.8	416.2	8	0	0	5						DEV 5200
ULLIN, MIS		3085 1943	110			6	0	0	37	0.50	L	6	AC		
DEVONIAN		3981 1980	10			1	0	0				L	4		
		4932 1980	10			1	0	0				L	14		
BELLMONT, WABASH, 18, 13-14W BETHEL, MIS		2650 1951	30	0.0	73.0	4	0	0	0					M	MIS 3006
OHARA, MIS		2840 1951	10		11.0	1	0	0	38			8	7	ML	
			20		62.0	3	0	0	40			L	7	MC	
						ABD 1972									
*BEMAN, LAWRENCE, 3N, 11W AUX VASES, MIS		1805 1942	590	18.5	349.1	37	3	0	11					A	DEV 3410
STE. G, MIS		1850 1942	100			8	0	0	38			8	20	AL	
			500			33	3	0	38			L	7	AC	
BEMAN E, LAWRENCE, 3N, 10W AUX VASES, MIS		1805 1947	130	0.6	116.6	9	0	0	2					A	MIS 2519
STE. G, MIS		1860 1947	30			5	0	0	38			8	20	AL	
			110			6	0	0	38			L	7	AC	
						ABD 1960, REV 65, ABD 69, REV 80									
BENNINGTON 8, EDWARDS, 1N, 10E MCCLOSKEY, MIS		3240 1944	10	0.0	10.4	1	0	0	0	37		L	8	MC	MIS 3420
						ABD 1946									
*BENTON, FRANKLIN, 68, 2-3E PENNSYLVANIAN		1700 1941	2370	97.2	40164.6	269	1	24	51					A	TRN 6250
TAR SPRINGS, MIS		2100 1941	20			2	0	0	33			8	9	AL	
			2360			249	0	23	38			8	10	A	

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH OF DISC- VERY	AREA PRO- VED IN ACRES	PRODUCTION H BBLs		NUMBER OF WELLS					CHARACTER OF OIL				PAY ZONE		DEEPEST TEST DEP- TH (FT)
				1981	END OF 1981	COMP- LETED TO	CO- MPL- AB-	PROD- UCING	GR,	PERC- ENT	SUL- FUR	KIND	THI-	STR-	ZONE	TH	
				1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	
(CONTINUED FROM PREVIOUS PAGE)																	
ABENTON, FRANKLIN, 68, 2-3E	AUX VASES, MIS	2752 1959	310			22	1	1		30	S		15	A			
	OHARA, MIS	2804 1959	190			13	0	1			L		8	A			
	MCCLOSKEY, MIS	2906 1960	#			5	0	0		37	OL		4	AC			
	ST. LOUIS, MIS	2990 1960	10			1	0	0		38	L		6	A			
	ULLIN, MIS	3705 1960	10			1	0	0		38	L		5	A			
ABENTON N, FRANKLIN, 5-68, 2E	CYPRESS, MIS	1941 2460 1944	930	17.3	3987.6	82	0	0		5				A	DEV	4750	
	PAINT CREEK, MIS	2501 1962	400			14	0	0		38	S		17	A			
	BETHEL, MIS	2600 1942	#			19	0	0		38		8	20	AL			
	AUX VASES, MIS	2685	200			21	0	0		39	0.15	S	10	A			
	OHARA, MIS	2730	470			16	0	0		38	0.15	L	8	A			
	SPAR MTN, MIS	2773 1941	#			13	0	0		36	0.70	L	6	A			
	MCCLOSKEY, MIS	2800	#			8	0	0		34	0.15	S	6	A			
	ST LOUIS, MIS	3062 1979	10			20	0	0				L	10	A			
						1	0	0				L	10				
ABERRY, SANGAMON, 15N, 3W	DEVONIAN	1961 1743 1962	650	2.8	600.6	44	0	0		20					SIL	1964	
	SILURIAN	1736 1961	590			2	0	0		38	S		4				
						42	0	0		38	L		35				
ABERRYVILLE C, WABASH, EDWARDS, RICHLAND, LAWRENCE, 1-2N, 14W	OHARA, MIS	1943 2900 1943	740	61.7	1709.2	45	12	0		19				M	MIS	3903	
	SPAR MTN, MIS	2850 1943	#			11	5	0		39	L		6	MC			
	MCCLOSKEY, MIS	2890 1947	#			15	2	0		36	L		12	MC			
	SALEM, MIS	3370 1975	10			19	5	0			L		10	MC			
	ULLIN, MIS	3605 1975	10			1	0	0			L		10				
						1	0	0			L		10				
ABESSIE, FRANKLIN, 68, 3E	OHARA, MIS	2895 1943	110	71.0	313.9	7	1	0		7					MIS	3950	
	SALEM, MIS	3159 1980	20			1	0	0		39	0.15	L	10	MC			
	ULLIN, MIS	3825 1979	100			2	0	0			L		26				
						5	1	0			L		6				
ABLACK BRANCH, SANGAMON, 15N, 4W	SILURIAN	1600 1967	350	5.2	607.2	24	0	0		16	38	L	10		SIL	1744	
ABLACK BRANCH E +, SANGAMON, 15N, 4W	SILURIAN	1720 1969	10	0.0	2.8	1	0	0		0		L	20		SIL	1755	
			ABU 1974														
ABLACKLAND, MACON, CHRISTIAN, 15N, 1E-1W	SILURIAN	1935 1953	400	4.5	499.7	43	1	0		5	39	L	12	MU	ORD	3780	
ABLACKLAND N, MACON, 16N, 1E	SILURIAN	1948 1960	300	3.2	253.5	26	2	0		8	39	L	11	M	SIL	2164	
ABLACK RIVER, WHITE, 48, 13W	CLORE, MIS	1952 1865 1952	160	37.0	105.4	14	3	0		13					MIS	3075	
	PALESTINE, MIS	1944 1981	190			12	2	0		36	S		6				
	MCCLOSKEY, MIS	2973 1980	10			1	1	0				OL	3				
						1	0	0									
						ABU 1974, REV 1978											
ABLAIROVILLE W, HAMILTON, 48, 7E	AUX VASES, MIS	1948 3250 1948	240	7.2	415.5	14	4	0		5				A	MIS	4565	
	SPAR MTN, MIS	3345	40			4	1	0									
	MCCLOSKEY, MIS	3405 1951	180			1	0	0			L		6	AC			
	SALEM, MIS	4170 1981	#			10	2	0		37	L		8	AC			
	ULLIN, MIS	4340 1981	30			1	1	0			L		10				
			10			1	1	0			L		10				
ABLUFORD, JEFFERSON, 28, 4E	MCCLOSKEY, MIS	3060 1961	30	1.1	160.9	2	0	0		1	38	OL	6		MIS	3833	
ABOGOTA, JASPER, 6N, 9E		1943	190	1.6	538.6	10	0	0		1				A	MIS	3234	

(CONTINUED ON NEXT PAGE)

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (= SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR	AREA	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST		
				PRO- VED	DUR- ING	COMP- LETED	CO- MPL- AND	AB- AND	PROD- UCING	SUL- FUR	KIND			THI- STR-	
DEP- TH	OF DISC- OVERY	(FT)	ACRES	1961	END OF 1961	END OF 1961	END OF 1961	END OF 1961	END OF 1961	PERC- API	OF GR, PERC-	OF CKN- ROCK	UCT- ESS	ZONE	TH DEP- (FT)
(CONTINUED FROM PREVIOUS PAGE)															
BOGOTA, JASPER, 6N, 9E															
SPAR MTN, MIS		3090	190				1	0	0			L	4	AC	
MCCLOSKY, MIS		3110 1943	#				9	0	0		39	L	7	A	
BOGOTA N, JASPER, 6N, 9E															
MCCLOSKY, MIS		3080 1949	20	0,0	0,0	2	0	0		1	37	L	3	MIS	3647
ABD 1950, REV 1973															
BOGOTA S, JASPER, 5-6N, 9E															
MCCLOSKY, MIS		3075 1944	300	1,4	549,3	23	0	0		3	37	L	8	MC	MIS 3712
BOGOTA W, JASPER, 6N, 9E															
MCCLOSKY, MIS		3080 1966	10	0,0	0,0	1	0	0		0	37	D	6	MIS	3655
ABD 1967															
*BONE GAP C, EDWARDS, 18, 10-11E, 14W															
		1941	1390	60,1	2742,6	84	0	1		36				A	MIS 4251
PENNSYLVANIAN		2110 1952	10			1	0	0		32	S	8	AL		
WALTERSBURG, MIS		2310 1951	170			17	0	0		35	S	20	A		
CYPRESS, MIS		2710 1947	120			9	2	0		37	S	10	A		
BETHEL, MIS		2680 1952	190			10	2	1		39	S	14	AL		
AUX VASES, MIS		3020 1947	50			4	3	0		36	S	9	AL		
OHARA, MIS		3040 1948	980			11	1	0		34	L	5	AC		
SPAR MTN, MIS		3045 1947	#			7	0	0		35	L	5	AC		
MCCLOSKY, MIS		3200 1941	#			27	2	0		38	0,33	L	6	AC	
BONE GAP E, EDWARDS, 18, 14W															
		1951	190	8,3	114,9	15	0	0		11				H	MIS 4000
OHARA, MIS		2980 1951	70			6	0	0				L	10	MC	
MCCLOSKY, MIS		3050	#			1	0	0		36		L	5	MC	
SALEM, MIS		3555 1974	120			9	0	0				L	4		
ABD 1956, REV 1974															
BONE GAP W, EDWARDS, 18, 10E															
STE, GEN, MIS		3290 1954	150	9,3	41,1	9	4	0		8	36	L	5	MIS	3715
ABD 1975, REV 1964															
*BOULDER +, CLINTON, 2-3N, 2W															
		1941	580	0,0	8120,0	55	0	0		0				U	TRN 3813
BENOIST, MIS		1190 1942	500			33	0	0		37	S	20	U		
GENEVA, DEV		2630 1941	470			22	0	0		28	0,33	D	7	K	
SILURIAN		2700 1963	40			1	0	0		40		L	4		
ABD 1965															
BOULDER E +, CLINTON, 3N, 1W															
DEVONIAN		2850 1955	80	16,5	261,3	7	1	0		5	39	L	5	DEV	2946
*BOURBON C, DOUGLAS, 15N, 7E															
		1956	1060	3,6	1821,8	94	0	1		26					2709
AUX VASES, MIS		1512 1980	10			1	0	0				S	4		
SPAR MTN, MIS		1600 1956	1050			92	0	0		34		L	12	NC	
MCCLOSKY, MIS		1715 1976	#			1	0	1				L	5		
BOURBON S, DOUGLAS, 15N, 7E															
SPAR MTN, MIS		1693 1960	50	0,6	9,0	3	0	0		2	34	S	12	NC	MIS 1780
ABD 1964, REV 1976															
BOWYER, RICHLAND, 5N, 14W															
		1958	70	1,9	13,6	4	2	0		2					MIS 2950
SPAR MTN, MIS		2883 1958	70			3	2	0		36		S	X		
MCCLOSKY, MIS		2876 1971	#			1	0	0				L	5		
ABD 67, REV 71, ABD 72, REV 81															
*BOYD, JEFFERSON, 18, 1-2E-															
		1944	1490	14,5	14945,6	127	0	0		39				A	TRN 5400
BENOIST, MIS		2060 1944	1450			114	0	0		35	0,14	S	19	A	
AUX VASES, MIS		2130 1944	660			48	0	0		37		S	15	A	
OHARA, MIS		2230 1945	30			24	0	0		39		L	2	AC	
TRENTON, ORD		5000 1967	80			9	0	0					X		
BROUGHTON, HAMILTON, 6S, 7E															
		1951	390	44,2	271,5	24	1	0		20					MIS 4446
MCCLOSKY, MIS		3275 1951	210			12	1	0		37		L	5		
(CONTINUED ON NEXT PAGE)															

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (+ SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR OF DISC- VERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL				PAY ZONE	DEEPEST TEST DEP- TH (FT)
				1981	TO 1981	COM- PLET- ED 1981	CO- ED 1981	AB- AND- 1981	PROD- UCING 1981	GR, PERC- ENT	SUL- FUR KIND OF ROCK	THI- STR- UCT- URE	ZONE		
(CONTINUED FROM PREVIOUS PAGE)															
BROUGHTON, HAMILTON, 68, 7E															
SALEM, MIS	4024	1978	20			3	0	0					L	35	
ULLIN, MIS	4190	1977	160			9	0	0					L	10	
ABD 1954, REV 1977															
BROUGHTON N, HAMILTON, 68, 7E															
AUX VASES, MIS	3214	1980	10	5.9	7.8	1	0	0	1				S		MIS 4330
BROUGHTON S, SALINE, 78, 7E															
TAR SPRINGS, MIS		1951	20	0.0	0.1	2	0	0	0				S	7	MIS 3300
MCCLOSKEY, MIS	2315	1974	10			1	0	0					S	7	
	3215	1951	10			1	0	0	38				L	4	
ABD 1952, REV 1974, ABD 1976															
BROWN, MARION, 1N, 1E															
CYPRESS, MIS	1670	1910	120	2.4	162.9	12	0	0	10	36			S	X N	MIS 2036
BROWNS, EDWARDS, WABASH, 1-28, 14W															
BIEHL, PEN		1943	1120	26.9	2867.8	74	2	0	37				S		A DEV 5200
TAR SPRINGS, MIS	1870	1962	20			2	1	0					S	8	
CYPRESS, MIS	2365	1947	40			1	0	0					S	14	AL
BETHEL, MIS	2640	1943	380			27	1	0		0.18			S	13	A
AUX VASES, MIS	2785	1944	90			6	1	0					S	12	AL
OHARA, MIS	2965	1946	10			1	0	0					S	7	AL
SPAR MTN, MIS	2965	1946	840			14	1	0					L	4	AC
MCCLOSKEY, MIS	2975	1947	#			1	0	0					L	3	AC
ST LOUIS, MIS	3000	1944	#			35	0	0					L	6	A
	3258	1980	10			1	0	0					L	6	
BROWNS E, WABASH, 1-28, 14W															
PENNSYLVANIAN		1946	900	3.2	2973.0	77	0	0	18				S		MIS 3729
CYPRESS, MIS	1844	1963	10			1	0	0					S	X	
SPAR MTN, MIS	2570	1946	790			72	0	0					S	13	ML
SALEM, MIS	2950	1977	70			3	0	0					S	5	
	3420	1976	50			5	0	0					L	20	
BROWNS S, EDWARDS, 28, 14W															
WALTERSBURG, MIS		1943	120	8.3	145.7	11	0	0	8				S		N MIS 3670
BETHEL, MIS	2330	1976	10			1	0	0					S	10	
AUX VASES, MIS	2850	1943	60			5	0	0					S	15	NL
OHARA, MIS	2950	1947	40			5	0	0					S	8	NL
	3020	1976	20			2	0	0					L	6	
ABD 1968, REV 1970															
BRUBAKER, MARION, 3N, 3E															
SPAR MTN, MIS		1973	180	28.8	304.9	12	0	0	10				S	20	SIL 5200
MCCLOSKEY, MIS	2341	1975	50			2	0	0					OL	5	
ST LOUIS, MIS	2395	1975	#			1	0	0					L	46	
SALEM, MIS	2550	1976	40			3	0	0					D	7	
DEVONIAN	2765	1974	20			2	0	0					L	1	
	3620	1973	70			4	0	0	34				L	1	
BUCKHORN, BROWN, 1-25, 4W															
SILURIAN	682	1961	50	0.0	0.0	6	0	0	5	37			D	3	SIL 705
ABD 1964, REV 1973															
BUCKNER, FRANKLIN, 68, 2E															
AUX VASES, MIS	2601	1963	200	35.6	181.5	13	3	0	11	38			S	12	DEV 4594
BULPITT S, CHRISTIAN, 13N, 3W															
DEV-SIL	1911	1962	60	0.0	3.4	4	0	0	0	38			L	15	DVS 1990
ABD 1969															
BUNGAY C, HAMILTON, 48, 7E															
RENAULT, MIS		1941	3390	108.9	14524.8	264	6	1	80				S		A DEV 5566
AUX VASES, MIS	3270		550			22	0	0					S	10	AL
OHARA, MIS	3295	1941	2850			202	5	1		39	0.24		S	15	AL
SPAR MTN, MIS	3335		400			5	0	0					L	8	AC
MCCLOSKEY, MIS	3400	1943	#			4	1	0					L	8	AC
ULLIN, MIS	3425	1943	#			20	0	0		36	0.24		L	8	AC
	4190	1959	10			1	0	0		38			L	10	AC

TABLE 8-continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PARY II)	PAY ZONE	YEAR	AREA	PRODUCTION		NUMBER OF WELLS			PROD- UCING YEAR	CHARACTER OF OIL			PAY ZONE	DEEPEST TEST	
				M BBLs	TO END OF 1981	COMP- LETED 1981	CO- IN 1981	AB- AND 1981		PROD- UCING YEAR	SUL- FUR PERC- ENT	KIND OF ROCK			THI- CK- ESS
BURNT PRAIRIE S, WHITE, 48, 9E															
AUX VASES, MIS		1947	80	0.9	32.6	7	0	0	4					MIS	3600
OHARA, MIS		3330	20			2	0	0	37		S	24			
MCCLOSKEY, MIS		3415 1947	70			1	0	0	38		L	6			
		3460	#			4	0	0			L	4			
BURNT PRAIRIE SW, WHITE, 48, 8E															
AUX VASES, MIS		1979	360	69.8	370.1	29	1	0	28					MIS	4405
OHARA, MIS		3336 1979	90			8	0	U			S	6			
SPAR MTN, MIS		3436 1979	270			4	1	U			L	8			
MCCLOSKEY, MIS		3451 1979	#			2	0	0			S	4			
		3513 1979	#			16	0	0			L	6			
CALHOUN GEN, RICHLAND, 2N, 10E															
SPAR MTN, MIS		1950	30	0.0	0.5	3	0	0	0				M	MIS	4107
MCCLOSKEY, MIS		3245	30			2	0	0			L	6	MC		
		3280 1950	#			1	0	0	37		L	3	MC		
ABU 1952, REV AND ABU 1959															
*CALHOUN C, RICHLAND, WAYNE, 2-3N, 9-10E															
OHARA, MIS		1944	2080	11.3	4180.7	117	5	1	19				A	SIL	5645
SPAR MTN, MIS		3140 1944	2060			22	0	0	39		OL	9	A		
MCCLOSKEY, MIS		3160	#			25	0	U	37		OL	6	A		
ST LOUIS, MIS		3180 1944	#			71	5	1	39	0.15	OL	10	A		
SALEM, MIS		3370 1967	10			1	0	0	39		L	9			
		3730 1967	40			3	1	0	39		L	8			
*CALHOUN E, RICHLAND, 2N, 10-11E															
MCCLOSKEY, MIS		1950	160	0.7	332.4	10	0	0	1	39	L	5	MC	MIS	3901
ABU 1977, REV 1980															
CALHOUN N, RICHLAND, 3N, 10E															
SPAR MTN, MIS		1944	60	1.4	88.0	4	0	U	1				A	MIS	3280
MCCLOSKEY, MIS		3155 1944	60			1	0	0			LS	10	A		
		3170 1944	#			4	0	U	36		OL	11	A		
*CALHOUN S, WAYNE, RICHLAND, EDWARDS, 1-2N, 9E															
AUX VASES, MIS		1953	580	6.2	737.4	35	1	U	13					MIS	4152
OHARA, MIS		3175 1953	20			2	0	U	38		L	5			
SPAR MTN, MIS		3232 1963	560			4	0	U			L	8			
MCCLOSKEY, MIS		3224 1962	#			18	1	0			L	5			
		3209 1961	#			20	0	U	37		OL	6			
ABU 1953, REV 1961															
CARLINVILLE +, MACOUPIN, 9N, 7W															
UNNAMED, PEN		1909	40	0.0	X	8	0	0	2	28	S	X	A	MIS	1580
ABU 1925, REV 1942															
CARLINVILLE N +, MACOUPIN, 10N, 7W															
POTTSVILLE, PEN		1941	100	0.0	1.0	16	0	0	0	20	0.35	S	10	TRN	1970
ABU 1954															
CARLINVILLE S, MACOUPIN, 9N, 7W															
PENNSYLVANIAN		1958	10	0.0	0.0	1	0	0	0	26	S	X		PEN	1020
ABU 1964															
*CARLYLE, CLINTON, 2N, 3W															
GOLCONDA, MIS		1911	1310	21.6	4277.3	206	2	1	32				A	STP	4120
CARLYLE(CYP), MIS		900 1952	10			7	0	0	35		L	10	AL		
		1035 1911	1300			204	2	1	35	0.26	S	20	AL		
CARLYLE E, CLINTON, 2N, 2W															
BENOIST, MIS		1963	30	0.3	0.9	2	0	0	1	34	S	4		MIS	1245
ABU 1972, REV 1978															
*CARLYLE N, CLINTON, 3N, 3W															
BENOIST, MIS		1950	550	13.1	967.9	46	1	U	32	34	S	6	AL	DEV	2558
CARLYLE S, CLINTON, 1N, 3W															
CYPRESS, MIS		1951	20	0.0	2.0	2	0	0	0	35	S	4		MIS	1194
ABU 1953															

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (# SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH (FT)	AREA PRO- VED ACRES	PRODUCTION M BBLs		NUMBER OF WELLS					CHARACTER OF OIL			PAY ZONE		DEEPEST TEST DEP- TH (FT)	
				1981	TO END OF 1981	COMP- LETED 1981	CO- TO 1981	AB- ETED 1981	PROD- UCING 1981	GR, PERC- ENT	SUL- FUR KIND OF ROCK	THI- STR- UCT- URE	PAY ZONE	DEP- TH (FT)			
															1981		1981
*CARM I, WHITE, 58, 9E																	
		1940	250	2,2	406,7	21	0	0		3					M	MIS	3546
PENNSYLVANIAN		1210	10			1	0	0		32	8	10	ML				
CYPRESS, MIS		2800	100			8	0	0		36	8	15	ML				
AUX VASES, MIS		3145	50			9	0	0		37	8	8	ML				
MCCLOSKY, MIS		3150	110			8	0	0		35	OL	6	MC				
ADD 1949, REV 1952																	
*CARM I N, WHITE, 58, 9E																	
		1942	110	11,3	311,7	9	3	0		6				A	MIS	3452	
CYPRESS, MIS		2940	30			2	1	0		36	8	13	AF				
SAMPLE, MIS		3080	10			1	0	0		37	8	12	AF				
AUX VASES, MIS		3270	90			7	2	0		36	0,14	8	14	AF			
*CABEY, CLARK, 10-11N, 14W																	
		1906	3040	X	X	516	0	0		228				AM	TRN	2608	
UPPER GAS, PEN		265	2730			43	0	0		32	8	X	AM				
LOWER GAS, PEN		300	#			90	0	0		30	8	X	AM				
CASEY, PEN		445	#			373	0	0		35	8	10	AM				
CARPER, MIS		1300	250			20	0	0		36	8	50	AM				
SEE CLARK COUNTY DIV FOR PRODUCTION																	
*CENTERVILLE, WHITE, 48, 9E																	
		1940	190	0,5	536,6	13	0	0		1				N	MIS	3919	
AUX VASES, MIS		3240	10			1	0	0		37	8	6	NL				
OHARA, MIS		3310	190			6	0	0		38	L	10	NC				
SPAR MTN, MIS		3370	#			2	0	0			L	8	NC				
MCCLOSKY, MIS		3370	#			6	0	0		37	0,17	OL	4	NC			
*CENTERVILLE E, WHITE, 3-48, 9-10E																	
		1941	1310	31,8	8586,7	140	0	0		65				A	MIS	4442	
PALESTINE, MIS		2225	20			2	0	0		35	8	3	ALF				
TAR SPRINGS, MIS		2500	820			35	0	0		38	0,20	8	24	ALF			
HARDINSBURG, MIS		2615	40			1	0	0		36	8	22	ALF				
CYPRESS, MIS		2915	650			48	0	0		37	8	6	ALF				
BETHEL, MIS		2990	220			20	0	0		38	8	20	ALF				
AUX VASES, MIS		3075	530			39	0	0		37	8	21	ALF				
OHARA, MIS		3175	350			5	0	0		36	OL	5	ACF				
SPAR MTN, MIS		3185	#			1	0	0			L6	6	ACF				
MCCLOSKY, MIS		3230	#			17	0	0		37	OL	7	ACF				
CENTERVILLE N, WHITE, 38, 10E																	
		1947	10	0,0	0,0	1	0	0		0	38	8	13	ML	MIS	3332	
ADD 1948																	
CENTERVILLE N E, WHITE, 39, 10E																	
		1955	10	0,0	5,6	1	0	0		0	38	8	14		MIS	3407	
ADD 1959																	
*CENTRAL CITY, MARION, 1N, 1E																	
		1964	130	2,8	83,9	13	0	0		11	33	8	10		MIS	1942	
*CENTRALIA, CLINTON, MARION, 1-2N, 1E, 1W																	
		1937	2980	114,6	57839,8	1021	0	23		211				A	ORD	4170	
PETRO, PEN		765	30			4	0	0		32	8	X	A				
CYPRESS, MIS		1200	1530			57	0	6		37	0,20	8	12	A			
BENOIST, MIS		1355	2510			577	0	13		38	0,17	8	20	A			
DEVONIAN		2670	2610			319	0	5		40	0,38	L	9	A			
TRENTON, ORD		3930	1100			59	0	0		40		L	22	A			
CENTRALIA W, CLINTON, 1N, 1W																	
		1940	90	0,8	422,9	10	0	0		1				N	DEV	3021	
CYPRESS, MIS		1308	10			1	0	0		35	8	4	N				
BENOIST, MIS		1440	90			9	0	0		38	0,17	8	9	N			
CHESTERVILLE, DOUGLAS, 15N, 7E																	
		1956	50	0,3	36,8	5	0	0		1	39	L8	8	ML	MIS	1829	
*CHESTERVILLE E, DOUGLAS, 14-15N, 7-8E																	
		1957	400	0,0	1164,4	41	0	0		0	39	8	10	NC	MIS	1785	
ADD 1974																	

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (SEE PART II)	PAY ZONE	YEAR	AREA	PRODUCTION		NUMBER OF WELLS				CHARACTER OF OIL			DEEPEST TEST				
				M BBL	TO	COMPL	LETED	MPL	AB	PROD	SUL	PAY ZONE		PERC	OF	OF	
DEP OF RECOVERY	TH DISC	IN	PRO	DUR	TO	END OF	END OF	END OF	END OF	END OF	UCING	GR	PERC	OF	OF	TH	
(FT)	OVERY	ACRES	1981	1981	1981	1981	1981	1981	1981	1981	YEAR	API	ENT	ROCK	ESS	UNE	
CHRISTOPHER S, FRANKLIN, 7S, 1E																	
AUX VASES, MIS		1964	30	0,0	9,9	3	0	0	0							MIS	2820
OHARA, MIS		2620 1964	30			3	0	0		37		S	8				
		2690 1964	10			1	0	0				L	10				
ADD 1969																	
CLAREMONT, RICHLAND, 3N, 14W																	
SPAR MTN, MIS		1950	100	0,0	20,2	8	0	0	0							MIS	4065
MCCLUSKY, MIS		3200 1950	100			5	0	0				S	5				
		3218 1969	#			3	0	0				L	4				
ADD 1971																	
CLARK COUNTY DIV, CLARK, COLES, CRAWFORD, CUMBERLAND, JASPER																	
		1900	26990	286,4	87220,5	5926	69	0	1704							ORD	4519
INCL BELLAIR CASEY JOHNSON N,S MARTINSVILLE SIGGINS WESTFLD YONK																	
*CLARKSBURG, SHELBY, 10N, 4E																	
BETHEL, MIS		1946	60	4,2	104,8	6	1	0	0	3						DEV	3206
AUX VASES, MIS		1779 1961	10			1	1	0				S	9				
		1770 1946	50			5	0	0		36		S	6	A			
*CLAY CITY C, CLAY, WAYNE, RICHLAND, JASPER, 1-7N, 1-2S, 6-11E																	
WALTERSBURG, MIS		1937	100080	3463,9	323810,8	6934	256	39	2604							PC	11614
TAR SPRINGS, MIS		2175 1952	10			1	0	0		36		S	6	A			
CYPRESS, MIS		2560 1949	130			8	0	0		38		S	15	AL			
BETHEL, MIS		2635 1937	6610			602	23	3		36		S	15	AL			
AUX VASES, MIS		2800	310			28	0	0		39		S	15	AL			
OHARA, MIS		2940 1942	32380			2208	49	11		38		S	15	AL			
SPAR MTN, MIS		3020	69170			265	11	2		38		OL	5	AC			
MCCLUSKY, MIS		3030	#			695	35	5		38		OL	8	AC			
ST. LOUIS, MIS		3050 1937	#			3292	111	22		39		OL	10	AC			
SALEM, MIS		3025 1949	3160			265	19	3		38		L	3	A			
ULLIN, MIS		3590 1950	8140			495	93	3		39		L	10	A			
CARPER, MIS		3600 1952	440			33	4	0		40		L	17	A			
DEVONIAN		3806 1979	60			3	1	0				S	6				
		4350 1949	80			3	2	0		39		L	10	A			
CLEAR LAKE E, SANGAMON, 16N, 4W																	
SILURIAN		1596 1970	40	0,3	24,7	2	0	0		1	25	L	12		SIL	1653	
CLIFFORD, WILLIAMSON, 8S, 1E																	
AUX VASES, MIS		1957	40	0,0	15,0	2	0	0	0							MIS	2625
SPAR MTN, MIS		2380 1957	40			2	0	0		38		S	7				
MCCLUSKY, MIS		2470 1957	20			1	0	0		38		LS	7				
		2540 1957	#			1	0	0		38		L	5				
ADD 1965																	
*COIL, WAYNE, 18, 5E																	
AUX VASES, MIS		1942	540	45,3	3211,0	38	0	1	25							MIS	3756
MCCLUSKY, MIS		2910 1942	370			25	0	1		39	0,12	S	10	A			
ST LOUIS, MIS		3065 1942	10			1	0	0		38		OL	15	AC			
SALEM, MIS		3021 1967	100			6	0	0				L	9				
		3510 1977	90			8	0	0				L	14				
*COIL W, JEFFERSON, 18, 4E																	
AUX VASES, MIS		1942	610	50,4	1291,1	56	3	0	26							MIS	3666
OHARA, MIS		2720 1944	180			15	0	0		39		S	15	AL			
SPAR MTN, MIS		2790 1942	230			11	0	0				L	7	AC			
MCCLUSKY, MIS		2805	#			2	0	0				L	8	AC			
ST LOUIS, MIS		2880 1942	#			14	1	0		38		L	8	AC			
SALEM, MIS		3040 1967	160			15	0	0		39		L	7				
		3346 1961	260			19	3	0		37		L	10	A			
CULLINSVILLE, MADISON, 3N, 8W																	
SILURIAN		1305 1909	40	0,0	1,0	6	0	0	0	37		L	20	RL	STP	2177	
ADD 1921																	
*COLMAR=PLYMOUTH, HANCOCK=MC DONOUGH, 4-5N, 4-5W																	
HOING, DEV		450 1914	2550	29,4	5075,9	507	2	0	70	35	0,36	S	14	AL	SHK	1095	
*CONCORD C, WHITE, 6S, 10E																	
TAR SPRINGS, MIS		1942	2130	101,7	8664,9	201	9	1	80							DEV	5313
HARDINSBURG, MIS		2270 1943	350			26	0	0		36		S	11	AL			
CYPRESS, MIS		2510 1954	390			30	0	0		36		S	7	A			
		2625 1944	270			19	0	1		37		S	10	AL			

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (# SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- OF TH DISC- (FT) OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE			DEEPEST TEST TH (FT)
				1981	TO END OF 1981	LET- COMP- 1981	MPL- ETED 1981	AS- AND- 1981	PROD- UCING YEAR	GR, API	PERC- ENT	SUR- FUR KIND	THI- STR- UCT-	
(CONTINUED FROM PREVIOUS PAGE)														
*CONCORD C, WHITE, 68, 10E														
AUX VASES, MIS		2905 1942	670			49	0	0		36	0.15	8	14	AL
GHARA, MIS		2930 1943	1080			2	0	0				L	8	AC
SPAR MTN, MIS		3035	#			3	0	0				L	8	AC
MCCLOSKEY, MIS		2990	#			56	0	0		37		L	10	AC
ST LOUIS, MIS		3370 1976	230			17	1	0				L	7	
SALEM, MIS		3790 1981	10			1	1	0				L	8	
ULLIN, MIS		3900 1975	410			23	3	0				L		
*CONCORD E C, WHITE, 6-78, 10E														
		1942	420	2.5	900.4	39	0	0		12				A
WALTERSBURG, MIS		2140	40			4	0	0		33	8	10	A	MIS
TAR SPRINGS, MIS		2175	70			9	0	0		36	8	4	A	
CYPRESS, MIS		2540	190			18	0	0		38	8	6	A	
RENAULT, MIS		2800	20			2	0	0		36	L	6	A	
AUX VASES, MIS		2825	70			7	0	0		36	8	12	A	
GHARA, MIS		2895	120			3	0	0			L	6	AC	
SPAR MTN, MIS		2895	#			5	0	0			8	5	AC	
MCCLOSKEY, MIS		2965	#			3	0	0		37	L	2	AC	
*COOKS MILLS C +, COLES, DOUGLAS, 13-14N, 7-8E														
		1941	3180	20.3	3115.9	258	3	0		63				A
CYPRESS, MIS		1600 1955	10			1	0	0		39	8	20	A	DEV
AUX VASES, MIS		1765 1941	10			2	0	0		37	8	15	A	
SPAR MTN, MIS		1800 1946	3120			243	3	0		37	8	9	A	
MCCLOSKEY, MIS		1840 1955	#			2	0	0			L	4	A	
CARPER, MIS		2700 1963	20			1	0	0		38	8	5		
DEVONIAN		2867 1963	40			5	0	0		37	L	3		
*CORDES, WASHINGTON, 38, 3W														
BENOIST, MIS		1260 1939	1630	35.2	10341.6	155	0	2		33	36	0.19	8	14
													A	TRN
														3680
*CORINTH, WILLIAMSON, 88, 4E														
		1957	310	11.1	546.1	20	0	1		17				A
AUX VASES, MIS		2885 1957	290			18	0	1		38	8	10		MIS
GHARA, MIS		2929	50			2	0	0		38	L	X		3550
SPAR MTN, MIS		2985 1957	#			2	0	0		38	L	10		
CORINTH E, WILLIAMSON, 88, 4E														
MCCLOSKEY, MIS		3035 1957	10	0.0	10.6	1	0	0		0	38	L	10	MIS
			ABD 1960											3113
CORINTH N, WILLIAMSON, 88, 4E														
AUX VASES, MIS		2935 1957	10	0.0	3.7	1	0	0		0	36	8	16	MIS
			ABD 1960											3180
CORINTH S, WILLIAMSON, 98, 4E														
CYPRESS, MIS		2350 1972	10	0.2	8.7	1	0	0		1	8	8		MIS
			ABD 1975											2820
COTTAGE GROVE, SALINE, 98, 7E														
GHARA, MIS		2770 1955	10	0.0	12.5	1	0	0		0	38	L	X	MIS
			ABD 1963											2977
COULTENVILLE N, WASHINGTON, 38, 5W														
SILURIAN		2290 1958	50	0.9	41.2	5	0	0		3	42	L		ORD
														3204
*COVINGTON S, WAYNE, 28, 6E														
		1943	650	19.4	515.9	27	6	0		11				AC
MCCLOSKEY, MIS		3310 1943	960			20	6	0		36	0.18	L	5	AC
ST. LOUIS, MIS		3361 1962	10			1	0	0		36	L	4		
ULLIN, MIS		4148 1960	90			6	0	0		36	L	12	AC	
CRAIG, PERRY, 48, 4W														
TRENTON, ORD		3650 1948	10	0.0	2.9	2	0	0		0	35	L	20	A
			ABD 1951, REV 1965, ABD 1967											ORD
														3750
CRAVAT, JEFFERSON, 18, 1E														
BENOIST, MIS		2070 1939	120	0.6	385.7	11	0	0		6	34	0.23	8	10
													A	DEV
														3650

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH OF (FT) OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE		DEEPEST TEST TH (FT)	
				1981	END OF 1981	COMP- LETD TO 1981	CD- MPL- 1981	AB- IN ONED 1981	PROD- UCING YEAR	SUL- FUR PERC- ENT	KIND OF ROCK	THI- CKN- ESS	STR- UCT- URE		
CHAVAT W, JEFFERSON, 18, 1E															
	PENNSYLVANIAN	1956	140	1,0	140.2	15	0	0	14					MIS	2390
	BETHEL, MIS	1956	130			14	0	0		32		8	10		
		2070	10			1	0	0				8	10		
CROSSVILLE, WHITE, 48, 10E															
	BETHEL, MIS	1946	130	0,7	16,7	12	1	0	1					MIS	4100
	AUX VASES, MIS	1948	40			3	0	0		38		8	9	ML	
	OHARA, MIS	1956	30			3	0	0		37		8	20	ML	
	MCCLOSKEY, MIS	1958	100			1	0	0				L	3	MC	
		3120	#			5	1	0		38		L	5	MC	
	ABU 52,REV 56,ABD 58,REV 81														
*CROSSVILLE W, WHITE, 48, 10E															
	CYPRESS, MIS	1952	240	0,0	375,5	17	0	0	0					MIS	3500
	AUX VASES, MIS	1973	10			1	0	0				8	18	M	
	OHARA, MIS	1952	130			9	0	0		37		8	8	ML	
	SPAR MTN, MIS	1958	150			1	0	0		37		L	x	M	
	MCCLOSKEY, MIS	1956	#			3	0	0				L	x	M	
		3185	#			7	0	0		38		L	x	MC	
	ABD 1953,REV 1956,ABU 1975														
DAHLGREN, HAMILTON, 38, 5E															
	MCCLOSKEY, MIS	1941	620	2,0	1219,9	48	0	0	2					DEV	5299
	ULLIN, MIS	1941	620			44	0	0		37	0,16	L	11	A	
		4110	10			1	0	0		39		L	15	A	
DAHLGREN W, JEFFERSON, 48, 4E															
	ULLIN, MIS	1960	30	0,5	31,7	3	0	0	1	38		L	6	DEV	5245
	ABD 1966,REV 1980														
*DALE C, FRANKLIN, HAMILTON, SALINE, 5-78, 4-7E															
	TAR SPRINGS, MIS	1940	18740	381,2	100674,9	1675	40	26	220					A	PC 13051
	HARDINSBURG, MIS	1943	480			41	0	0		36		8	25	A	
	CYPRESS, MIS	1940	180			12	0	0		38		8	10	A	
	BETHEL, MIS	1940	1970			126	0	1		39		8	15	A	
	AUX VASES, MIS	1945	3460			205	0	1		38	0,19	8	18	A	
	OHARA, MIS	1945	16620			1311	1	20		37	0,15	8	20	A	
	SPAR MTN, MIS	1940	3990			112	3	2		38	0,22	L	10	A	
	MCCLOSKEY, MIS	1940	#			14	0	1		38		L8	7	A	
	ST. LOUIS, MIS	1965	160			157	6	3		36	0,19	L	7	A	
	SALEM, MIS	1980	330			16	5	0		39		L	x		
	ULLIN, MIS	1978	180			25	20	0				L	6		
						12	6	2				L	10		
DAWSON, SANGAMON, 16N, 3W															
	SILURIAN	1971	10	0,0	0,0	1	0	0	0			L	10	SIL	1705
	ABU 1972														
DECATUR, MACON, 16-17N, 2E															
	SILURIAN	1953	110	0,0	15,0	6	0	0	0	37		L	7	MU	ORD 2800
	ABU 1955														
DECATUR N, MACON, 17N, 3E															
	SILURIAN	1954	10	0,0	0,1	1	0	0	0	38		L	10	MU	SIL 2240
	ABU 1955														
*DEERING CITY, FRANKLIN, 78, 3E															
	AUX VASES, MIS	1957	110	2,2	327,7	8	0	0	6					MIS	3146
	MCCLOSKEY, MIS	1957	80			6	0	0		38		8	20		
		2913	30			2	0	0		34		OL	4		
DEERING CITY E, FRANKLIN, 78, 3E															
	MCCLOSKEY, MIS	1974	10	1,8	11,5	1	0	0	1			L	7	MIS	3117
DELAND, PIATT, 19N, 5E															
	SILURIAN	1981	10	0,2	0,2	1	1	0	1			L	4	SIL	1255
*DIVIDE C, JEFFERSON, 18, 3-4E															
	AUX VASES, MIS	1943	4890	202,3	11750,1	334	20	3	177					A	DEV 4700
	OHARA, MIS	1947	170			11	0	0		38		8	10	AL	
	SPAR MTN, MIS	1944	2660			8	0	0				L	10	AC	
	MCCLOSKEY, MIS	1945	#			20	0	1		38		L8	6	A	
		2750	#			163	3	1		37	0,21	L	6	AC	

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (+ SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH OF DISC- VERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS					CHARACTER OF OIL			PAY ZONE	DEEPEST TEST TH (FT)		
				DUR- ING 1981	TO END OF 1981	COMP- LETED 1981	CO- TO 1981	MPL- ETED 1981	AB- IN 1981	PROD- UCING YEAR	SUL- FUR PERC- ENT	KIND OF ROCK	THI- CT- URE			STR- UCT- URE	
(CONTINUED FROM PREVIOUS PAGE)																	
DIVIDE C, JEFFERSON, 18, 3-4E	ST. LOUIS, MIS	2840 1955	390			39	3	1			37	L	7	AC			
	SALEM, MIS	3190 1960	2380			182	19	3			37	L	10	AC			
	ULLIN, MIS	3502 1981	10			1	1	0				L	10				
DIVIDE 8, JEFFERSON, 28, 3-4E	MCCLOSKEY, MIS	2880 1948	300	1.3	498.5	16	0	0		1	37	L	5	MIS	3580		
DIX 8, JEFFERSON, 18, 2E	BENOIST, MIS	1950 1941	20 ABD 1946	0.0	13.4	2	0	0		0	35	8	8	N	MIS	2283	
DULLVILLE, SHELBY, 12N, 2E	BETHEL, MIS	1509 1961	100	0.0	34.9	6	0	1		2	37	8	4		MIS	1600	
DUBOIS CEN, WASHINGTON, 38, 1W	BENOIST, MIS	1335 1954	130	6.4	266.8	12	0	0		8					DEV	3100	
	SPAR MTN, MIS	1530 1954	110			12	0	0		30		8	12				
			70			3	0	0		35		L	8				
DUBOIS C, WASHINGTON, 38, 1-2W	CYPRESS, MIS	1230 1939	1570	38.2	2436.6	132	0	2		89				A	ORD	4217	
	BENOIST, MIS	1325 1947	900			44	0	2		37		8	10	AL			
			490			43	0	0		30	0.26	8	10	AL			
DUDLEY, EDGAR, 13-14N, 13W	UPPER DUDLEY, PEN	310 1948	860	81.3	2549.6	123	4	0		107				M	STP	2997	
	LOWER DUDLEY, PEN	410	860			24	0	0		25		8	20	ML			
			8			99	4	0		24		8	30	ML			
DUDLEYVILLE E, BOND, 4-5N, 2-3W	DEVONIAN	2370 1954	20 ABD 1961	0.0	2.8	2	0	0		0	37	L	5		ORD	3397	
DUPO, ST. CLAIR, 1N, 18, 10W	TRENTON, ORD	700 1928	900	0.0	3006.4	323	0	0		25	33	0.70	L	30	A	CAM	3111
EAGARVILLE E, MACOUPIN, 8N, 6W	PENNSYLVANIAN	621 1980	30	3.1	3.1	3	2	0		3		8	7		PEN	655	
EBERLE, EFFINGHAM, 6N, 6E	CYPRESS, MIS	2475 1947	200	3.2	145.5	15	1	2		4				N	MIS	2802	
	SPAR MTN, MIS	2680 1947	110			9	1	2		37		8	10	NL			
	MCCLOSKEY, MIS	2820 1947	110			2	0	0				L8	5	NC			
			8			4	0	0		38		L	7	N			
			ABD 1967, REV 1973														
EDINBURG, CHRISTIAN, 14N, 3W	LINGLE, DEV	1810 1949	10 ABD 1951	0.0	2.3	1	0	0		0	38	L	2	A	DEV	1853	
EDINBURG 8, CHRISTIAN, 14N, 3W	HIBBARD, DEV	1795 1955	20 ABD 1963	0.0	4.4	2	0	0		0	39	L8	13		81L	1902	
EDINBURG W, CHRISTIAN, SANGAMON, 14N, 3-4W	DEVONIAN	1660 1954	1780	26.2	3079.8	129	1	0		67				A	ORD	2285	
	SILURIAN	1690 1954	80			7	0	0		41		8	6	A			
			1750			124	1	0		41		L	8	A			
ELBA, GALLATIN, 88, 8E	CYPRESS, MIS	2617 1955	250	5.2	35.6	15	0	0		2					MIS	3000	
	BETHEL, MIS	2660 1955	10			1	0	0		37		8					
	RENAULT, MIS	2770	80			3	0	0		36		8	10				
	AUX VASSE, MIS	2780	10			1	0	0		36		L	3				
	OHARA, MIS	2820 1955	120			5	0	0		38		8	5				
			80			5	0	0		38		L	11				
			ABD 1960, REV 1980														

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (+ SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- OF TH DISC- VERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS COMPL- AB- ETED MPL- AS- TO ETED AND- END OF IN ONED END OF END OF			CHARACTER OF OIL		PAY ZONE			DEEPEST TEST ZONE TH (FT)	
				1981	1981	1981	1981	1981	GR, API	SUL- FUR PERC- ENT	KIND OF ROCK	THI- STR- URE	UCT- ZONE		
*ELBRIDGE, EDGAR, 12-13N, 11W															
	PENNSYLVANIAN	1949	440	5,3	1531,2	40	0	0	19					TRN	3300
	FREDONIA, MIS	1950	10			2	0	0		30	S	3	U		
	DEVONIAN	1950 1949	430			37	0	0		37	L	3	U		
		1950 1949	20			2	0	0				20	U		
*ELDORADO C +, SALINE, 88, 6-7E															
	DEGONIA, MIS	1941	3560	71,7	12152,1	298	0	1	87				A	MIS	3606
	PALESTINE, MIS	1700 1976	20			2	0	0			S	16			
	WALTERSBURG, MIS	1920 1950	430			28	0	0		36	S	20	AL		
	TAR SPRINGS, MIS	2125 1954	1930			145	0	0		38	S	25	AL		
	HARDINGSBURG, MIS	2200 1955	270			19	0	0		37	S	15	AL		
	CYPRESS, MIS	2350 1953	300			30	0	1		38	S	8	AL		
	SAMPLE, MIS	2575 1954	270			19	0	0		37	S	8	AL		
	BENOIST, MIS	2600 1954	70			6	0	0		37	S	18	AL		
	AUX VASES, MIS	2778 1962	#			1	0	0			S	10			
	OHARA, MIS	2900 1954	910			66	0	0		37	S	12	AL		
	SPAR MTN, MIS	2900	90			3	0	0			L	5	AC		
	MCCLOSKEY, MIS	2975 1941	#			2	0	0			LS	4	AC		
						2	0	0		39	0,14	L	5	AC	
*ELDORADO E +, SALINE, 88, 7E															
	PENNSYLVANIAN	1953	460	3,6	435,3	33	2	0	8				A	MIS	4183
	PALESTINE, MIS	530 1981	10			1	1	0			S	8			
	TAR SPRINGS, MIS	1915 1954	30			2	0	0		36	S	10	AL		
	CYPRESS, MIS	2190 1954	40			3	0	0		35	S	10	AL		
	AUX VASES, MIS	2515 1954	90			6	0	0		37	S	20	AL		
	SPAR MTN, MIS	2885 1953	350			21	1	0		38	S	6	AL		
		2975 1954	10			1	0	0		38	L	4	AC		
ELDONADO W +, SALINE, 88, 6E															
	PALESTINE, MIS	1955	50	2,5	48,5	6	0	0	1					MIS	3138
	MENAULT, MIS	1940 1956	40			3	0	0		30	S	18			
	AUX VASES, MIS	2910 1955	20			2	0	0		37	L	6			
		2960 1955	20			2	0	0		38	L	6			
ELK PRAIRIE, JEFFERSON, 48, 2E															
	MCCLOSKEY, MIS	1938	60	0,0	41,1	3	1	0	1					DEV	4600
	SALEN, MIS	2735 1938	60			3	1	0		37	L	7			
		3076 1960	10			1	0	0		37	L	8			
						ABU 40, REV 60, ABU 70, REV 81									
ELKTON, WASHINGTON, 23, 4W															
	BAILEY, DEV	2340 1955	40	0,0	2,6	2	0	0	0	40	L	30		DEV	2485
						ABU 1960									
ELKTON N, WASHINGTON, 28, 4W															
	HARDIN, DEV	2320 1971	160	1,8	78,6	9	0	0	9		S	7		ORD	3275
ELKVILLE, JACKSON, 78, 1W															
	BENOIST, MIS	2000 1941	10	0,0	4,0	1	0	0	1	36	0,22	S	10	SIL	3914
*ELLERY E, EDWARDS, 28, 10E															
	AUX VASES, MIS	1952	430	8,0	1028,6	36	1	1	7					MIS	4400
	OHARA, MIS	3180 1953	250			24	1	0		36	S	35	ML		
	SPAR MTN, MIS	3255 1952	260			11	0	1		37	L	6	MC		
	MCCLOSKEY, MIS	3255	#			3	0	0			L	4	MC		
	ULLIN, MIS	3260 1978	#			1	0	0			L	6			
		4218 1979	10			1	0	0			L	9			
ELLERY N, EDWARDS, WAYNE, 28, 9-10E															
	BETHEL, MIS	1942	120	3,3	84,8	10	0	0	4					DEV	5425
	AUX VASES, MIS	3100 1954	20			2	0	0			S	35	ML		
	OHARA, MIS	3230 1954	20			2	0	0			S	12	ML		
	SPAR MTN, MIS	3300 1972	90			2	0	0			L	4			
	MCCLOSKEY, MIS	3345	#			4	0	0			S	8	ML		
	ST LOUIS, MIS	3420 1942	#			2	0	0		37	0,19	L	7	MC	
		3438	10			1	0	0			L	6			
						ABU 1943, REV AND ABD 1951, REV 1954									
ELLERY S, EDWARDS, 2-38, 10E															
	AUX VASES, MIS	1943	140	2,6	181,5	14	0	1	4					MIS	4311
	MCCLOSKEY, MIS	3200 1947	50			7	0	0		36	S	15	ML		
		3300 1943	90			7	0	0		38	L	9	MC		

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- OF TH DISC- (FT) QVRY	PRODUCTION M BBLs			NUMBER OF WELLS				CHARACTER OF OIL			PAY ZONE	DEEPEST TEST
			AREA PRO- VED ACRES	DUR- ING 1961	TO END OF 1961	COMP- LETTED TO 1961	CO- MPL- ETED 1961	AB- AND- 1961	PROD- UCING END OF YEAR	SUL- FUR PERC- ENT	GR, API	PAY ZONE		
(CONTINUED FROM PREVIOUS PAGE)														
ELLERY 8, EDWARDS, 2-38, 10E	ULLIN, MIS	4156 1978	10			1	0	1					L	10
			ADD 1952, REV 53, ADD 59, REV 8			ADD 60, REV 78								
ELLIOTTSTOWN, EFFINGHAM, 7N, 7E	SPAR MTN, MIS	2730 1947	10	0,0	13,7	1	0	0	0	39		S	8	HL MIS 2884
			ADD 1951											
ELLIOTTSTOWN E, EFFINGHAM, 7N, 7E	CYPRESS, MIS	1954	90	2,7	135,3	7	0	0		1				MIS 3292
	CYPRESS, MIS	2485 1954	10			1	0	0		35		S	5	HL
	SPAR MTN, MIS	2750 1962	80			3	0	0				L	10	
	MCCLOSKEY, MIS	2771 1962	#			3	0	0		37		L	8	
			ABU 1956, REV 1962											
ELLIOTTSTOWN N, EFFINGHAM, 7N, 7E	CYPRESS, MIS	1953	310	0,3	271,0	19	0	1		3				MIS 3350
	CYPRESS, MIS	2430 1953	20			2	0	0		36		S	4	HL
	AUX VASES, MIS	2710 1966	10			1	0	0		37		S	2	
	SPAR MTN, MIS	2666 1964	270			2	0	0				L	3	
	MCCLOSKEY, MIS	2738 1964	#			14	0	1		37		DL	17	
			ABU 1958, REV 1964											
ENERGY, WILLIAMSON, 9S, 2E	AUX VASES, MIS	2354 1968	110	5,5	199,1	9	0	0		9		S	16	MIS 2694
ENFIELD, WHITE, 5S, 8E	AUX VASES, MIS	1950	580	46,8	1298,4	40	6	0		17				MIS 4657
	AUX VASES, MIS	3250 1950	330			22	1	0		39		S	10	AL
	OHARA, MIS	3310	250			5	1	0				L	4	AC
	MCCLOSKEY, MIS	3385 1950	#			9	4	0		37		L	8	AC
	ULLIN, MIS	4320 1977	30			4	0	0				L	19	
			ABU 1951, REV 1952											
ENFIELD N, WHITE, 5S, 8E	AUX VASES, MIS	1976	260	38,7	362,9	20	0	0		12				MIS 4500
	AUX VASES, MIS	3320 1976	230			16	0	0				S	12	
	OHARA, MIS	3400 1976	20			3	0	0				L	6	
	ULLIN, MIS	4385 1977	10			1	0	0						
ENFIELD S, WHITE, 6S, 8E	AUX VASES, MIS	1961	40	1,3	3,6	3	0	0		1				MIS 4336
	AUX VASES, MIS	3174 1961	10			1	0	0		39		S	2	
	MCCLOSKEY, MIS	3277 1961	40			3	0	0		38		L	6	
			ABU 1963, REV 1980											
EVERS, EFFINGHAM, 8N, 7E	SPAR MTN, MIS	1948	80	0,8	130,1	6	0	0		2				ORD 5370
	MCCLOSKEY, MIS	2610	70			3	0	0		39		L	7	AL
	MCCLOSKEY, MIS	2660 1948	#			2	0	0				L	4	AC
	SALEM, MIS	3126 1975	10			1	0	0				L	4	
			ABU 1949, REV 1953											
EVERS S, EFFINGHAM, 7N, 7E	SPAR MTN, MIS	2650 1948	10	0,0	2,4	1	0	0		0	38	LS	8	AC MIS 2783
			ABU 1951											
EWING, FRANKLIN, 5S, 3E	AUX VASES, MIS	1944	220	9,1	544,8	12	2	1		3				MIS 3951
	AUX VASES, MIS	2835 1947	40			3	0	0		38		S	8	AL
	SPAR MTN, MIS	2950 1981	10			1	1	1				S	10	
	MCCLOSKEY, MIS	2970 1944	#			7	0	0		36		L	7	A
	ST LOUIS, MIS	3170 1981	10			1	1	0				L	5	
	ULLIN, MIS	3790 1981	40			1	1	0				L	6	
			ABU 1971, REV 1976											
EWING E, FRANKLIN, 5S, 3E	OHARA, MIS	1956	210	48,2	213,7	16	0	0		14				ORD 9511
	OHARA, MIS	3010 1956	10			1	0	0		38		L	10	
	ST LOUIS, MIS	3265 1976	10			1	0	0				L	8	
	SALEM, MIS	3546 1978	20			2	0	0				L	14	
	ULLIN, MIS	3880 1976	190			13	0	0				L	6	
			REV 1976											
EXCHANGE, MARION, 1N, 3E	OHARA, MIS	1943	150	74,4	151,8	11	6	0		9				MIS 4908
	OHARA, MIS	2695	50			1	0	0		37		L	10	MC
	MCCLOSKEY, MIS	2730 1943	#			4	2	0		37		L	8	MC

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR OF DISC- VERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF DIL			PAY ZONE	DEEPEST TEST
				DUR- ING 1981	TO END OF 1981	COMP- LETED 1981	CO- TO 1981	AB- AND 1981	PROD- UCING YEAR	SUL- FUR GR, API	PERC- OF ENT	KIND OF RUCK		
(CONTINUED FROM PREVIOUS PAGE)														
EXCHANGE, MARION, 1N, 3E														
ST LOUIS, MIS	2951	1978	80			4	3	0				L	5	
SALEM, MIS	3171	1975	90			5	2	0				L	15	
ABU 1967, REV 1975														
*EXCHANGE E, MARION, 1N, 4E														
OHARA, MIS		1955	240	2.8	547.2	17	0	0	2					MIS 3531
SPAR MTN, MIS	2775	1955	230			1	0	0				L	14	
MCCLOSKEY, MIS	2780		#			8	0	0		37		S	11	
ST. LOUIS, MIS	2840	1955	#			6	0	0				L	4	
	2940	1955	10			1	0	0		38		L	8	
*EXCHANGE N C, MARION, 1N, 3-4E														
SPAR MTN, MIS		1951	240	21.8	851.0	25	1	0	16				MC	MIS 3409
MCCLOSKEY, MIS	2682	1967	210			2	1	0				L	3	
ST LOUIS, MIS	2763	1951	#			21	0	0		37		L	6	MC
SALEM	2946	1972	20			1	0	0				L	6	
	3080	1967	30			2	0	0		37		L	11	MC
ABU 1952, REV 1955, ABU 1959, REV 1965														
*EXCHANGE W, MARION, 1N, 3E														
OHARA, MIS		1957	310	6.1	282.1	25	0	0	7					MIS 3309
SPAR MTN, MIS	2540	1966	230			1	0	0				L	7	
MCCLOSKEY, MIS	2570	1966	#			10	0	0				S	6	
ST LOUIS, MIS	2650	1957	#			11	0	0		37		L	6	
	2720	1967	130			8	0	0		38		L	11	
*FAIRMAN, MARION, CLINTON, 3N, 1E, 1W														
BENOIST, MIS		1939	610	8.8	2139.6	61	0	0	18				A	ORD 4100
TRENTON, ORD	1435	1939	480			44	0	0		38	0.27	S	10	A
	3950	1957	280			18	0	0		40		L	20	A
FANCHER, SHELBY, 10N, 4E														
BENOIST, MIS	1749	1962	10	0.0	0.0	1	0	0	0	34		S	3	MIS 1889
ABU 1962														
FERRER LAKE, GALLATIN, 9S, 10E														
AUX VASES, MIS	2672	1963	10	0.0	4.7	1	0	0	0	36		L	8	MIS 2862
ABU 1966														
FERRIN, CLINTON, 2N, 1W														
DEVONIAN		1976	10	0.0	0.0	1	0	0	0					ORD 3956
TRENTON, ORD	2840	1976	10			1	0	1				L	7	
	3930	1976	10			1	0	0				L	18	
ABU 1980														
PICKLIN, DOUGLAS, 16N, 8E														
SPAR MTN, MIS	1470	1969	70	2.2	36.7	5	0	0	5			S	8	CAM 5301
FITZGERRELL, JEFFERSON, 4S, 1E														
BENOIST, MIS		1944	10	0.0	16.0	1	0	0	0					MIS 3012
AUX VASES, MIS	2760	1944	10			1	0	0		37		S	5	
	2800		10			1	0	0		37		S		
ABU 1952														
*FLOKA S, CLAY, 2N, 6E														
MCCLOSKEY, MIS	2985	1946	60	0.0	168.0	4	0	0	0	39		L	AC	DEV 4770
ABU 1961														
FLORA SE, CLAY, 2N, 6E														
MCCLOSKEY, MIS	3073	1972	100	5.2	60.1	8	0	0	7			L	5	MIS 3700
FORSYTH, MACON, 17N, 2E														
SILURIAN	2118	1963	1040	115.0	170.3	67	36	0	62	38		L	14	ORD 2890
FRANCIS MILLS, SALINE, 7S, 7E														
CYPRESS, MIS	2675	1952	20	1.2	98.7	2	1	0	2	36		S	5	MIS 3236
FRANCIS MILLS S, SALINE, 7S 7E														
OHARA, MIS		1955	20	0.0	5.6	2	0	0	0					MIS 3180
(CONTINUED ON NEXT PAGE)	3010	1955	20			2	0	0				L	11	

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH (FT)	PRODUCTION M BBLs			NUMBER OF WELLS				CHARACTER OF OIL SUL- FUR PERC- ENT	PAY ZONE	DEEPEST TEST ZONE TH (FT)				
			AREA PRO- V20 IN ACRES	DUR- ING 1981	TO END OF 1981	COMP- LETED 1981	CO- MPLE- D AND 1981	AB- AND 1981	PROD- UCING END OF YEAR				GR, API			
(CONTINUED FROM PREVIOUS PAGE)																
FRANCIS MILLS S, SALINE, 7S 7E	SPAR MTN, MIS	3942 1962	#			1	0	0		37	L	6				
			ABD 1957, REV AND ABD 1962													
FREEBURG +, ST. CLAIR, 1-2S, 7W (NOW FREEBURG GAS STORAGE PROJECT)	CYPRESS, MIS	380 1955	20	0,0		X	2	0	0	0	30	S	30	ORD	2408	
FREEBURN, WILLIAMSON, 8S, 2E	AUX VASES, MIS	2500 1968	60	0,0	4,0		3	0	0	0		S	13	MIS	2779	
			ABD 1971, REV 1975, ABD 1979													
FRIENDSVILLE CEN, WABASH, 1N, 13W	BETHEL, MIS	2330 1946	230	11,3	165,2		17	2	0	7		S	15	MC	MIS	3400
	AUX VASES, MIS	2585 1980	50				5	0	0			S	5			
	OHARA, MIS	2597 1972	10				1	0	0			S	5			
	SPAR MTN, MIS	2629 1972	160				8	2	0			L	8			
	MCCLOSKEY, MIS	2656 1980	#				3	0	0			S	4			
			#				1	0	0			UL	3			
			ABD 1956, REV 1972													
*FRIENDSVILLE N, WABASH, 1N, 12-13W	BIEM, PEN	1620 1946	220	1,0	279,5		20	0	0	2		S	12	MC	MIS	2676
	BETHEL, MIS	2308 1959	220				19	0	0			S	11	M		
			10				1	0	0			S	11	M		
FROGTOWN, CLINTON, 2N, 3-4W	CARLYLE (CYP), MIS	950 1918	90	0,0		X	14	0	0	0	32	S		ML	TNN	3290
			ABD 1933, REV 1949, ABD 1956													
*FROGTOWN N, CLINTON, 2-3N, 3-4W	ST. LOUIS, MIS	1200 1951	440	8,8	2144,9		37	0	0	22		L	10	U	SIL	2456
	DEV-8IL	2250 1951	60				5	0	0			S	8	H		
			410				32	0	0			S	8	H		
GALATIA N, SALINE, 7S, 5E	AUX VASES, MIS	3216 1980	60	15,9	18,7		4	2	0	4		S	5		MIS	4544
	SPAR MTN, MIS	3391 1980	50				3	2	0			S	6			
			10				1	0	0			S	6			
*GARDS POINT C, WABASH, 1N, 14W	OHARA, MIS	2870 1951	980	62,5	1138,4		58	18	1	39		L	6	MC	MIS	4205
	SPAR MTN, MIS	2880 1981	830				47	9	1			S	6			
	MCCLOSKEY, MIS	2905 1976	#				1	1	0			S	6			
	SALEM, MIS	3375 1980	#				2	1	0			OL	4			
	ULLIN, MIS	3698 1975	150				9	8	0			L	8			
			10				1	0	0			L	8			
GAYS, MOULTRIE, 12N, 6E	AUX VASES, MIS	1970 1946	90	2,1	111,0		6	0	0	1		S	5	M	DEV	3305
	CARPER, MIS	2963 1963	80				5	0	0			S	16	ML		
	DEVONIAN	3205 1955	10				1	0	0			S	3	MC		
			ABD 1950, REV 1955													
*GERMANTOWN E, CLINTON, 1-2N, 4W	SILURIAN	2350 1956	470	17,1	2012,9		32	5	1	28	40	L	30	K	TNN	3310
*GILA, JASPER, 7-8N, 9E	MCCLOSKEY, MIS	2850 1957	490	0,1	1048,5		34	0	0	2	39	DL	3	MC	MIS	3168
GILLESPIE-WYEN, MACOUPIN, 8N, 6W	UNNAMED, PEN	650 1915	70	2,0		X	23	0	0	2	28	S	X	T	ORD	2560
GLENARM, SANGAMON, 14N, 5W	SILURIAN	1680 1955	130	0,6	60,8		9	0	0	1	40	L	9		SIL	1821
			ABD 1957, REV 1959, ABD 1960, REV 1961													
*GOLDENGATE C, WAYNE, WHITE, EDWARDS, 2-4S, 9-10E	CYPRESS, MIS	2942 1960	7970	188,8	18411,4		583	24	6	238		S	8	A	DEV	5522
			90				4	0	0			S	8	A		

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR	AREA PRD- VED	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL		PAY ZONE		DEEPEST TEST
				DUR- ING	TO END OF	COMP- LETED	CO- MPL- ETED	AB- AND	PRD- UCING	SUL- FUR	KIND OF ROCK	THI- CK- NESS	STR- UCT- URE	
*GOLDENGATE C, WAYNE, WHITE, EDWARDS, 2-48, 9-10E (CONTINUED FROM PREVIOUS PAGE)														
BETHEL, MIS		3110 1951	350			22	0	0		37	S	11	HL	
AUX VASES, MIS		3180 1944	3860			207	5	0		40	0.14	8	15	AL
OHARA, MIS		3250 1943	5060			65	6	0		39		OL	6	AC
SPAR MTN, MIS		3275	#			90	2	2		36		LS	7	AC
MCCLUSKY, MIS		3310 1939	#			191	8	4		36	0.19	OL	7	AC
ST. LOUIS, MIS		3430 1952	30			4	0	0		40		L	10	HL
SALEM, MIS		4130 1975	240			16	3	0				L	30	
ULLIN, MIS		4125 1961	280			17	5	1		39		L	9	A
UTCH CREEK, DEV		5346 1961	350			16	0	0		39		S	10	
GOLDENGATE E, WAYNE, 38, 9E														
OHARA, MIS		3290 1951	30	0.8	23.2	2	0	0		1				MIS 3420
SPAR MTN, MIS		3340 1976	20			1	0	0		37		L	3	
			10			1	0	0				S	4	
ABU 1957, REV 1968														
*GOLDENGATE N C, WAYNE, 1-28, 8-9E														
BETHEL, MIS		3095 1945	930	29.7	711.3	64	6	0		47			M	MIS 4383
AUX VASES, MIS		3235 1946	400			2	0	0		38		S	3	ML
OHARA, MIS		3300 1945	680			34	0	0		39		S	25	ML
SPAR MTN, MIS		3325 1945	#			11	1	0		37		L	4	MC
MCCLUSKY, MIS		3350	#			19	0	0		37		L	5	MC
						26	9	0		39		L	6	MC
GRANDVIEW +, EDGAR, 12-13N, 13W														
PENNSYLVANIAN		560 1945	100	0.6	7.9	9	2	0		7	30	S	10	M DRD 2694
GRAYSON, SALINE, 8S, 7E														
CYPRESS, MIS		2515 1957	80	2.4	25.3	6	3	0		3				MIS 3050
AUX VASES, MIS		2913 1961	30			2	1	0		37		S	6	
SPAR MTN, MIS		1981	10			1	0	0		38		L	4	
MCCLUSKY, MIS		2920 1937	50			1	1	0				S		
			#			2	1	0		37		L	6	
ABU 1972, REV 1981														
GREENVILLE GAS +, BOND, 5N, 3W														
LINGLE, DEV		2240 1957	10	0.0	0.0	1	0	0		0	38	L	5	A THN 3184
ABU 1958														
HADLEY, RICHLAND, 4N, 14W														
SPAR MTN, MIS		2970 1976	250	1.5	16.0	13	0	2		10		S	10	MIS 3750
*HALF MOON, WAYNE, 1S, 9E														
AUX VASES, MIS		3190 1951	1260	6.7	3286.3	65	0	0		17				DEV 5369
OHARA, MIS		3280	20			1	0	0		38		S	18	ML
SPAR MTN, MIS		3280 1947	1240			39	0	0		40		L	11	MC
MCCLUSKY, MIS		3300 1947	#			11	0	0				L	4	MC
SALEM, MIS		3985 1977	#			22	0	0		37		L	10	MC
			10			1	0	0				L	6	
*HARCO +, SALINE, 8S, 5E														
HARDINSBURG, MIS		2330 1954	1140	20.7	1923.6	94	0	0		35				MIS 3424
CYPRESS, MIS		2618 1959	50			1	0	0		36		S	6	
SAMPLE, MIS		2675 1954	30			4	0	0		38		S	8	
AUX VASES, MIS		2860 1955	90			4	0	0		39		S	8	
OHARA, MIS		2965 1956	220			75	0	0		41		S	15	
SPAR MTN, MIS		2970 1956	#			6	0	0				L	10	
						8	0	0		39		LS	10	
*HARCO E +, SALINE, 8S, 5E														
CYPRESS, MIS		2575 1955	330	2.8	361.1	30	0	0		8				MIS 3421
AUX VASES, MIS		2865 1956	120			12	0	0		38		S	20	
OHARA, MIS		2880 1955	220			13	0	0		38		S	8	
			40			4	0	0		39		L	14	
*HARRISBURG +, SALINE, 8S, 6E														
WALTERSBURG, MIS		2020 1952	100	0.0	252.3	10	0	0		2				MIS 2930
TAR SPHINGS, MIS		2115 1952	90			9	0	0		38		S	14	
			10			1	0	0		37		S	6	
ABU 1971, REV 1981														
HARRISBURG S, SALINE, 9S, 6E (CONTINUED ON NEXT PAGE)														

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (+ SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- OF TH DISC- OVERY	AREA PRO- VED DUR- IN ING ACRES 1961	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL			PAY ZONE		DEEPEST TEST ZONE TH (FT)
				1961	TO 1961	CUMP- LETED MPL- TO ETED AND- 1961 1961	AB- PROD- 1961	PROD- UCING END OF YEAR	SUL- FUR PERC- KIND OF THI- CKN- STR- UCT- URE	3	4	5			
(CONTINUED FROM PREVIOUS PAGE)															
HARRISBURG S, SALINE, 98, 6E	CYPRESS, MIS	2300 1955	10	0,0	0,0	1	0	0	0	37	8			MIS	2352
HARRISBURG W, SALINE, 98, 6E	TAR SPRINGS, MIS	1944 1974	30	0,0	7,3	3	0	0	1		8	18		MIS	2903
HARRISTOWN, MACON, 16N, 1E	SILURIAN	2050 1954	910	168,6	365,0	54	33	0	44	39	L	3	MU	SIL	2200
HARRISTOWN S, MACON, 16N, 1E	SILURIAN	2140 1975	90	8,2	118,7	7	0	3	3		L	20		SIL	2203
HAYES, DOUGLAS, CHAMPAIGN, 16N, 8E	TRENTON	893 1963	480	0,0	154,7	43	0	0	5	31	L	90		CAM	3430
HELENA, LAWRENCE, 2N, 13W	ST. LOUIS, MIS	2978 1969	10	0,0	0,0	1	0	0	0		L	5		MIS	3600
*HERALD C +, WHITE, GALLATIN, 6-88, 9-10E															
	PENNSYLVANIAN	1060 1940	6840	319,3	17724,7	589	21	3	236					A	DEV 5285
	PENNSYLVANIAN	1500 1940	390			1	0	0		29	8	10	AL		
	PENNSYLVANIAN	1750	#			23	0	0		36	8	15	AL		
	UEGONIA, MIS	1920 1947	80			5	0	0		29	8	18	AL		
	CLORE, MIS	1965	60			3	0	0		36	8	12	AL		
	PALESTINE, MIS	1940	10			2	0	0		36	8	10	AL		
	WALTERSBURG, MIS	2240 1947	530			46	0	0		34	8	20	AL		
	TAR SPRINGS, MIS	2260 1944	740			60	0	0		33	8	10	A		
	CYPRESS, MIS	2660 1947	2100			173	4	1		38	0,24	8	13	A	
	BETHEL, MIS	2790	210			22	2	0		35	0,22	8	14	A	
	AUX VASES, MIS	2920 1943	3260			243	11	2		37	8	11	AL		
	OHARA, MIS	2965	570			9	1	0		38	8	6	AL		
	SPAR MTN, MIS	3005	#			10	3	0		37	L	6	AC		
	MCCLOSKEY, MIS	3010 1945	#			27	1	0		35	L	10	AC		
	ST LOUIS, MIS	3234 1981	140			7	7	0			L	7			
	SALEM, MIS	3870 1976	10			1	0	0			L	5			
	ULLIN, MIS	3960 1977	10			1	0	0			L	12			
HERRIN, WILLIAMSON, 88, 2E	CYPRESS, MIS	2221 1965	10	0,0	2,0	1	0	0	0	38	8	9		MIS	2682
*HICKORY HILL, MARION, 1N, 4E															
	CYPRESS, MIS	2478 1964	80	0,0	25,5	6	0	1	0					DEV 4700	
	GENOIST, MIS	2645 1964	10			1	0	0		36	8	10			
	SPAR MTN, MIS	2633 1964	20			2	0	0		37	8	7			
			30			3	0	1		37	8	6			
			ABD 1972, REV 78, ABD 81												
HIDALGO, JASPER, 8N, 10E															
	MCCLOSKEY, MIS	2575 1940	230	12,8	44,8	17	3	2	11					DEV 4246	
	ST LOUIS, MIS	2641 1980	220			16	3	1	37	0,20	L	4	MC		
			10			1	0	1			L	4			
			ABD 1952, REV 1965												
HIDALGO E, JASPER, 8N, 10E															
	AUX VASES, MIS	2864 1979	740	50,8	174,1	50	7	0	50					MIS 3048	
	SPAR MTN, MIS	2342 1979	40			3	0	0			8	4			
	MCCLOSKEY, MIS	2467 1966	700			1	0	0			8	4			
			#			48	7	0	37		D	6			
HIDALGO N, CUMBERLAND, 9N, 9E															
	SPAR MTN, MIS	2655 1946	240	1,2	88,6	17	1	0	11					MIS 2807	
	MCCLOSKEY, MIS	2676 1959	240			11	0	0	37		8	12			
			#			9	1	0	37		OL	9			
HIDALGO S, JASPER, 8N, 10E															
	AUX VASES, MIS	2680 1981	870	114,9	155,3	61	50	1	56					MIS 3177	
	SPAR MTN, MIS	2660 1981	10			1	1	0			8	6			
			870			18	18	0			8	34			

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR	PRODUCTION M BBLs			NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST
			AREA PRU- VED IN ACRES	DUN- ING TO 1981	TO END OF 1981	COMP- LETED TO 1981	CO- MPL- IN 1981	AB- AND 1981	PROD- UCING YEAR	SUL- FUR API	KIND OF ROCK		
(CONTINUED FROM PREVIOUS PAGE)													
HIDALGO S, JASPER, 8N, 10E	MCCLOSKEY, MIS	2628 1964	#			44	33	1		37	0	4	
						ABD 1973, REV 1978							
HIGHLAND, MADISON, 4N, 5W	HARDIN, DEV	1941 1960	10	0.0	0.0	1	0	0		0 37	8	7 U	DEV 1983
						ABD 1962							
HILL, EFFINGHAM, 6N, 6E													
	AUX VASES, MIS	1943	80	2.5	58.2	7	0	0		3			MIS 2963
	SPAR MTN, MIS	2530 1978	20			2	0	0			S	8	
	MCCLOSKEY, MIS	2547 1977	70			1	0	0			S	4	
		2569 1943	#			4	0	0		39	L	5 N	
						ABD 1950, REV 1970, ABD 1972, REV 1977							
*MILL E, EFFINGHAM, 6N, 6E													
	CYPRESS, MIS	1954	900	2.7	1307.2	39	0	0		4			MIS 3293
	AUX VASES, MIS	2460 1955	290			26	0	0		37	S	8	
	SPAR MTN, MIS	2650 1957	10			1	0	0		37	S	10	
	MCCLOSKEY, MIS	2660 1954	260			2	0	0			L	5	
	ST. LOUIS, MIS	2700 1954	#			10	0	0		40	L	7	
		2929 1966	10			1	0	0			D	14	
						ABD 1950, REV 1970, ABD 1972, REV 1977							
HILLSBORO, MONTGOMERY, 9N, 3W	LINGLE, DEV	2012 1962	30	0.0	0.2	3	0	0		0 36	8	4	DEV 2153
						ABD 1967							
HUFFMAN, CLINTON, 1N, 2W													
	CYPRESS, MIS	1939	360	7.2	855.8	54	0	0		31		A	DEV 2914
	BENOIST, MIS	1190 1939	190			16	0	0		36	S	11 A	
		1320 1939	240			39	0	0		33	0.21	8 7 A	
HULLIDAY, FAYETTE, 9N, 3E	DEVONIAN	3150 1977	10	0.0	0.0	1	0	0		0	8	6	DEV 3237
						ABD 1978							
HOODVILLE E, HAMILTON, 5S, 7E	MCCLOSKEY, MIS	3365 1944	40	0.0	0.6	2	0	0		0 37	L	3 N	MIS 4461
						ABD 1944							
*MORD, CLAY, 5N, 6E													
	AUX VASES, MIS	1950	280	3.9	597.2	20	1	0		3		M	MIS 2954
	STE. GEN, MIS	2702 1959	70			6	0	0		38	S	10 M	
		2800 1950	280			14	1	0		37	L	5 M	
HURD N, EFFINGHAM, 6N, 6E													
	CYPRESS, MIS	1958	60	3.1	192.1	6	0	0		4			MIS 2860
	AUX VASES, MIS	2430 1958	40			3	0	0		33	S		
		2633 1959	30			3	0	0		38	S	10	
*MORD S C, CLAY, 5N, 6E													
	AUX VASES, MIS	1942	380	1.0	1802.8	28	0	4		1		N	MIS 3350
	STE. GEN, MIS	2735 1955	20			2	0	0		37	S	8 N	
		2790 1942	380			26	0	4		36	L	7 NC	
						ABD 1945, REV 1951							
HORNBY NW, MACOUPIN, 9N, 6W	PENNSYLVANIAN	587 1980	10	0.0	0.0	1	0	0		1	S	30	PEN 617
HORNBY S, MACOUPIN, 8N, 6W	PENNSYLVANIAN	640 1956	50	0.0	0.0	4	0	0		0 28	S	1	PEN 715
						ABD 1957, REV 1959, ABD 1960							
HOYLETON W, WASHINGTON, 1S, 2W	CLEAR CREEK, DEV	2895 1955	10	0.0	3.7	1	0	0		0 39	L	12	SIL 2965
						ABD 1964							
HUEY, CLINTON, 2N, 2W	BENOIST, MIS	1260 1945	80	0.0	5.4	7	0	0		0 34	S	6 AL	DEV 2770
						ABD 1974							

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (= SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH (FT)	AREA PRO- VED ACRES	PRODUCTION M BBLs		NUMBER OF WELLS					CHARACTER OF OIL			PAY ZONE	DEEPEST TEST DEP- TH (FT)
				1981	TO 1981	COMP- LETED 1981	CO- MPL- 1981	AB- AND- 1981	PROD- UCING END OF YEAR	SUL- FUR PERC- ENT	PAY KIND OF ROCK	THI- STR- URE			
HUEY 8, CLINTON, 1-2N, 2-3W															
CYPRESS, MIS		1953	310	2,9	284,8	23	0	0	15					SIL	2675
SILURIAN		1080 1953	190			17	0	0		34	8	3			
		2585 1956	110			6	0	0		40	L	10			
HUNT CITY, JASPER, 7N, 10E															
SPAR MTN, MIS		1945	20	0,9	2,1	2	0	0	1					MIS	3020
MCCLOSKEY, MIS		2540 1945	20			1	0	0		37	8	10	ML		
		2525 1960	8			1	0	0			OL	33			
ABD 1950, REV 1980															
HUNT CITY E, JASPER, 7N, 14W															
FREDONIA, MIS		1952	90	0,0	20,9	8	0	0	1					SIL	3660
ST. LOUIS, MIS		2000 1952	90			8	0	0		40	L	6			
		2187 1966	10			1	0	0		39	D	20			
ABD 1954, REV 1965															
HUNT CITY S, JASPER, 7N, 14W															
SPAR MTN, MIS		1966	110	4,2	20,7	7	0	0	6					DEV	4024
MCCLOSKEY, MIS		2392 1980	30			1	0	0			8	6			
		2341 1966	8			6	0	0		38	L	4			
HUTTON, COLES, 11N, 10E															
PENNSYLVANIAN		530 1939	20	0,0	15,0	2	0	0	0	30	8	15		MIS	969
ABD 1946															
ILLIOPOLIS, SANGAMON, 16N, 2W															
SILURIAN		1765 1977	60	2,7	11,9	2	0	0	2		L	3		SIL	1603
INA, JEFFERSON, 48, 2-3E															
RENAULT, MIS		1938	430	0,0	747,7	28	0	0	0					MIS	3521
AUX VASES, MIS		2725 1954	150			7	0	0		36	8	14	AL		
SPAR MTN, MIS		2682 1958	30			3	0	0		36	8	26	A		
MCCLOSKEY, MIS		2775 1957	110			3	0	0			8	10	A		
ST. LOUIS, MIS		2775	#			4	0	0		35	L	10	A		
SALEM, MIS		3000 1938	90			8	0	0		37	0,20	L	4	AC	
		3210 1957	40			4	0	0		37	L	9	A		
ABD 1946, REV 1954, ABD 1977															
INA N, JEFFERSON, 48, 3E															
MCCLOSKEY, MIS		2940 1949	10	0,0	0,7	1	0	0	0	35	L	4		MIS	3689
ABD 1950															
INCLOSE #, EUGAR, CLARK, 12N, 13-14W															
ISABEL, PEN		345 1941	110	0,2	X	15	0	0	4	30	8		AL	MIS	1600
INGRAHAM C, CLAY, 4N, 8E															
TAR SPRINGS, MIS		1942	1990	171,7	4614,1	145	32	0	53					MIS	3631
AUX VASES, MIS		2332 1969	10			1	0	0			8	8			
SPAR MTN, MIS		2920	180			17	6	0		38	8	10	ML		
MCCLOSKEY, MIS		3000	1910			93	17	0		37	0,21	L	7	MC	
SALEM, MIS		3075 1942	8			76	8	0		37	0,21	L	8	MC	
		3500 1981	30			5	5	0			L	6			
ABD 1962, REV 1943, ABD 1944, REV 1950, ABD 1968, REV 1969															
INMAN E C, GALLATIN, 7-8S, 10E															
PENNSYLVANIAN		1940	4820	104,5	22421,9	456	3	2	159					DEV	5100
PENNSYLVANIAN		780	90			5	0	0		38	8	10	AF		
DEGONIA, MIS		1450	#			3	1	0			8	4	AF		
CLORE, MIS		1690	90			4	0	0		37	8	10	AF		
PALESTINE, MIS		1725 1942	30			6	0	0		36	8	8	AF		
WALTERSBURG, MIS		1840 1942	90			4	0	0		35	8	13	AF		
TAR SPRINGS, MIS		1980 1942	1270			87	2	1		37	8	18	AF		
HARDINSBURG, MIS		2080 1940	1870			160	0	0		37	0,24	8	13	AF	
CYPRESS, MIS		2135 1943	280			17	0	0		34	8	10	AF		
RENAULT, MIS		2390	2410			166	0	1		37	0,23	8	14	AF	
AUX VASES, MIS		2675 1967	20			2	0	0		36	8	5	AF		
OHARA, MIS		2715	760			50	0	1		37	8	8	AF		
SPAR MTN, MIS		2795 1947	160			2	0	0			L	5	AF		
MCCLOSKEY, MIS		2790	8			1	0	0			L	7	AF		
ST. LOUIS, MIS		2800	8			8	0	0		39	L	8	AF		
		2960 1957	40			6	0	0		38	L	10	AF		
INMAN W C, GALLATIN, 7-8S, 9-10E															
PENNSYLVANIAN		1940	3930	103,4	9361,3	355	2	1	176					MIS	4154
		925	190			5	0	0			8	8	NL		

(CONTINUED ON NEXT PAGE)

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE	DEEPEST TEST
				1981	1981	COMP- LEVED END OF 1981	CO- MPL- IN ONED END OF 1981	AB- AND- UCING YEAR	PROD- SUL- FUR ENT	PERC- OF ROCK		
(CONTINUED FROM PREVIOUS PAGE)												
*INMAN W C, GALLATIN, 7-8S, 9-10E												
PENNSYLVANIAN		1630	#			8	0	0			8	5 NL
BIEM, PEN		1750	#			7	0	0			8	12 NL
PALESTINE, MIS		1765 1947	40			4	0	0		35	8	13 NL
WALTERSBURG, MIS		2080	130			8	0	0		38	8	10 TL
TAR SPRINGS, MIS		2140 1943	1340			93	0	0		37	8	8 TL
HARDINBURG, MIS		2300 1947	300			22	0	0		36	8	10 TL
CYPRESS, MIS		2475 1942	2210			170	0	0		32	8	10 T
SAMPLE, MIS		2610	50			1	0	0		37	8	30 T
RENAULT, MIS		2775 1949	30			3	0	0		36	L	7 T
AUX VASES, MIS		2790 1949	930			76	1	0		37	L	15 TL
OHARA, MIS		2815	300			6	0	1		37	L	12 TC
SPAR MTN, MIS		2815 1940	#			4	0	0		38	L	8 TC
MCCLOSKEY, MIS		2940 1941	#			19	1	0		36	0.19	6 TC
ST LOUIS, MIS		3180 1967	10			1	0	0		39	L	6
IOLA CEN, CLAY, 5N, SE												
CYPRESS, MIS		2277 1954	220	5.8	90.4	19	0	0		10		MIS 2800
BENOIST, MIS		2420 1954	150			12	0	0			8	15
			60			6	0	0		36	8	5
AND 1957, REV 1965												
*IOLA C, CLAY, EFFINGHAM, 5-6N, 5-6E												
TAR SPRINGS, MIS		1890 1939	3530	193.9	16598.4	313	4	1		210		A DEV 4227
CYPRESS, MIS		2125 1943	20			1	0	0		35	8	9 AL
BETHEL, MIS		2255 1942	780			52	0	0		35	8	15 A
BENOIST, MIS		2290	60			5	0	0		36	8	10 AL
RENAULT, MIS		2320	1270			48	1	0		36	0.14	8 12 A
AUX VASES, MIS		2329 1939	10			1	0	0			L	X AC
OHARA, MIS		2410 1963	2420			195	0	0		36	0.25	8 10 A
SPAR MTN, MIS		2430	1940			1	0	0			L	6 A
MCCLOSKEY, MIS		2425 1940	#			70	1	1		37	L6	7 A
						58	2	0		38	OL	10 A
IOLA S, CLAY, 4N, SE												
BENOIST, MIS		2490 1947	400	10.9	549.1	32	2	2		12		A SIL 5075
SPAR MTN, MIS		2590 1948	180			12	0	1		36	8	10 AL
MCCLOSKEY, MIS		2630 1947	260			10	2	0			L	6 AC
CARPER, MIS		3900 1967	#			10	1	1		37	L	3 AC
DEVONIAN		4230 1980	10			1	0	0		38	8	7
			20			1	0	0			8	8
IOLA W, CLAY, 5N, SE												
MCCLOSKEY, MIS		2495 1945	10	0.0	0.5	1	0	0		0	37	L 11 MC MIS 2613
AND 1945												
*IRVINGTON, WASHINGTON, 1S, 1W												
BEECH CREEK, MIS		1525 1940	1420	114.2	9718.5	145	2	0		96		ORD 4440
CYPRESS, MIS		1380 1951	10			1	0	0		38	L	3 AC
BENOIST, MIS		1535 1943	430			37	1	0		36	8	12 A
CLEAN CREEK, DEV		3090 1940	1040			85	0	1		37	0.16	8 12 A
TRENTON, ORD		4275 1956	370			24	2	0		39	0.27	L 12 A
			110			6	0	0		39	L	40 A
*IRVINGTON E, JEFFERSON, 1S, 1E												
PENNSYLVANIAN		1030 1951	340	16.8	1147.6	27	0	0		25		MIS 2222
CYPRESS, MIS		1750 1951	40			5	0	0		32	8	15
BENOIST, MIS		1950 1955	120			7	0	0		37	8	15
			200			18	0	0		37	8	
IRVINGTON N, WASHINGTON, 1N, 1S, 1W												
CYPRESS, MIS		1340 1953	310	13.3	1448.3	28	0	0		26		A ORD 4334
BENOIST, MIS		1470 1953	60			5	0	0		37	8	16 AL
			250			22	0	0		39	8	6 AL
IRVINGTON W, WASHINGTON, 1S, 1W												
CYPRESS, MIS		1460 1963	50	0.9	13.8	3	0	0		1	36	8 20 MIS 1909
*IUKA, MARION, 2N, 4E												
AUX VASES, MIS		2528 1947	1130	129.9	1259.2	78	22	0		50		M DEV 4375
OHARA, MIS		2650 1960	40			3	0	0		37	8	11 M
SPAR MTN, MIS		2660	660			7	0	0			L	5 MC
MCCLOSKEY, MIS		2750 1947	#			7	1	0			L	15 MC
ST. LOUIS, MIS		2775 1952	#			31	2	0		39	L	10 MC
			250			13	2	0		37	L	5 MC

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (a SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP OF TH DISC- VERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST
				1981	END OF 1981	COMP- LETED 1981	CO- AB- ETED 1981	PROD- UCING END OF 1981	SUL- FUR PERC- ENT	KIND OF ROCK	THI- STN- UCT- URE		
(CONTINUED FROM PREVIOUS PAGE)													
*IUKA, MARION, 2N, 4E													
SALEM, MIS		2999 1979	380			26	19	0			L	7	
IUKA 8, MARION, 2N, 4E													
MCCLOSKEY, MIS		1971	240	19.5	433.5	14	1	0	11				MIS 3290
SALEM, MIS		2680 1971	230			13	0	0			L	5	
		3237 1981	10			1	1	0			L	11	
IUKA W, MARION, 2N, 3-4E													
MCCLOSKEY, MIS		2700 1955	60	0.6	67.8	5	0	0	2	37	L	5	MIS 3352
JACKSONVILLE GAS +, MORGAN, 15N, 9W													
GAS, PEN, MIS		1910	90	0.0	2.0	11	0	0	1				ORD 1390
MCCLOSKEY, MIS		330 1910	80			9	0	0		37	L	5	ML
SALEM, MIS		272 1972	10			1	0	0			L	29	
		294 1972	20			2	0	0			L	19	
ABD 1937, REV 1967, ABD 1969, REV 1972													
*JOHNSON N, CLARK, 9-10N, 14W													
KICKAPOO, PEN		1907	2490	X	X	648	2	0	282				ORD 4519
CLAYPOOL, PEN		315	2390			34	0	0			S	X	AM
CASEY, PEN		415	#			305	0	0			S	X	AM
UPPER PARTLOW, PEN		465	#			203	1	0	32		S	X	AM
MCCLOSKEY, MIS		335	#			51	0	0			S	X	AM
CARPER, MIS		356	60			X	0	0	35		OL	6	AM
DEVONIAN		1325	300			12	1	0	37		S	X	AM
TRENTON, ORD		1720 1973	10			1	0	0			L	45	
		2900 1977	180			4	0	0			L	60	
SEE CLARK COUNTY DIVISION FOR PRODUCTION													
*JOHNSON S, CLARK, 9N, 14W													
CLAYPOOL, PEN		1907	2080	X	X	710	42	6	206				DEV 2030
CASEY, PEN		390	2060			40	1	0			S	X	AM
UPPER PARTLOW, PEN		450	#			61	0	0	30		S	X	AM
LOWER PARTLOW, PEN		490	#			435	0	0	31		S	48	AM
AUX VASES, MIS		600	#			226	41	6	29		S	X	AM
CARPER, MIS		717 1961	40			1	0	0	35		S	21	A
DEVONIAN		1740 1971	20			1	0	0			S	22	
		1920 1975	20			1	0	0			L	X	
SEE CLARK COUNTY DIVISION FOR PRODUCTION													
*JOHNSONVILLE C, WAYNE, 1N, 13, 6-7E													
BETHEL, MIS		1940	9420	363.8	54216.4	513	12	4	203				TRN 6460
AUX VASES, MIS		2950	30			3	0	0	36		S	12	AL
OHARA, MIS		3020	3130			176	5	1	38	0.14	S	20	AL
SPAR MTN, MIS		3120 1943	6290			33	3	0	38		OL	10	AC
MCCLOSKEY, MIS		3150	#			11	1	1	38		OL	8	AC
ST. LOUIS, MIS		3170 1940	#			452	1	1	38	0.17	OL	15	AC
SALEM, MIS		3256 1961	110			10	0	0	38		L	14	A
ULLIN, MIS		3852 1960	220			12	3	1	39		L	5	AC
		3933 1980	20			2	0	0			L	5	
JOHNSONVILLE N, WAYNE, 1N, 6E													
OHARA, MIS		1943	180	1.3	94.8	10	0	0	2				MIS 3858
SPAR MTN, MIS		3190 1943	180			1	0	0	38	0.17	OL	3	AC
MCCLOSKEY, MIS		3220	#			9	0	0			L	8	AC
		3250 1943	#			1	0	0	38	0.17	OL	3	AC
ABD 1966, REV 68, ABD 69, REV 80													
*JOHNSONVILLE S, WAYNE, 1S, 6E													
AUX VASES, MIS		1942	1170	103.4	1787.1	96	0	0	58				MIS 4160
OHARA, MIS		3060 1942	370			29	0	0	38		S	15	A
SPAR MTN, MIS		3160 1977	450			4	0	0			L	5	
MCCLOSKEY, MIS		3160	#			5	0	0			L	4	AC
ST LOUIS, MIS		3200 1942	#			20	0	0	38		L	5	AC
SALEM, MIS		3290 1977	20			2	0	0			L	6	
		3772 1975	690			45	0	0			L	30	
*JOHNSONVILLE W, WAYNE, 1N, 13, 5-6E													
BETHEL, MIS		1942	880	5.5	2320.0	71	0	1	20				MIS 3900
AUX VASES, MIS		2925 1952	40			1	0	0	37		S	7	ML
OHARA, MIS		2900 1943	440			37	0	1	37		S	6	ML
SPAR MTN, MIS		2930	390			5	0	0			L	6	MC
MCCLOSKEY, MIS		3015	#			10	0	0			L	4	MC
ULLIN, MIS		3100 1942	#			19	0	0	40		L	7	MC
		3823 1978	10			1	0	0			L	19	

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH OF DISC- VERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST DEPTH (FT)		
				DUR- ING	TO END OF	COMP- L EYED	CO- MPL- AB-	PROD- UCING	PROD- SUR- FUR	PERC- OF	KIND OF			THI- STR-	UCT- ZONE
*JOHNSTON CITY E, WILLIAMSON, 88, 3E															
CYPRESS, MIS		1959	290	13.1	1192.5	20	0	0	13					MIS	2997
BETHEL, MIS		2290 1959	130			9	0	0	37						
AUX VASES, MIS		2500 1975	10			1	0	0							
OHARA, MIS		2620 1962	260			12	0	0	36						
SPAR MTN, MIS		2660 1975	20			1	0	0							
MCCLOSKEY, MIS		2660 1963	#			2	0	0							
		2680 1963	#			1	0	0	38						
*JOHNSTON CITY N E, WILLIAMSON, 88, 3E															
AUX VASES, MIS		2818 1969	50	2.5	233.6	4	0	0	4					MIS	3014
*JUNCTION, GALLATIN, 98, 9E															
PENNSYLVANIAN		1939	380	1.3	700.0	32	0	0	7					MIS	3600
WALTERSBURG, MIS		1150 1947	30			4	0	0	35						
HARDINSBURG, MIS		1750 1939	300			26	0	0	37						
CYPRESS, MIS		2120 1949	30			1	0	0	34						
MCCLOSKEY, MIS		2275 1954	20			2	0	0	37						
		2730 1955	10			1	0	0	37						
*JUNCTION E, GALLATIN, 8-9S, 9E															
WALTERSBURG, MIS		1953	190	9.0	146.2	12	2	1	8					MIS	2970
TAR SPRINGS, MIS		2000 1953	140			8	0	1	37						
OHARA, MIS		2119 1973	10			1	0	0							
		2830 1980	40			3	2	0							
*JUNCTION N, GALLATIN, 8-9S, 9E															
PENNSYLVANIAN		1946	270	0.9	256.3	24	0	0	10					MIS	2983
WALTERSBURG, MIS		1565 1947	100			10	0	0	36						
CYPRESS, MIS		1990 1973	80			5	0	0							
AUX VASES, MIS		2450 1954	30			3	0	0	37						
SPAR MTN, MIS		2725 1946	40			3	0	0	36						
		2860 1955	40			3	0	0	37						
JUNCTION CITY C, MARION, 2N, 1E															
DYKSTRA (CUBA), PEN		1910	170	0.6	34.7	17	0	0	11					DEV	3346
WILSON, PEN		510 1910	170			11	0	0	32						
		680 1952	#			6	0	0							
KEENSBURG E, WABASH, 2S, 13W															
OHARA, MIS		1939	40	0.0	9.0	3	0	0	0					MIS	2802
MCCLOSKEY, MIS		2705 1945	40			1	0	0							
		2710 1939	#			2	0	0	38	0.26					
*KEENSBURG S, WABASH, 2-3S, 13W															
PENNSYLVANIAN		1944	330	15.3	1120.5	31	0	0	17					MIS	3475
CYPRESS, MIS		1145 1944	150			16	0	0	33						
OHARA, MIS		2385 1951	130			11	0	0	36						
SALEM, MIS		2715 1944	30			2	0	0	38						
		3200 1973	20			2	0	0							
*KEENVILLE, WAYNE, 1S, 5E															
AUX VASES, MIS		1945	1340	245.3	4587.2	112	3	0	59					MIS	4050
OHARA, MIS		2960 1945	360			27	0	0	37						
SPAR MTN, MIS		3050 1946	450			5	0	0							
MCCLOSKEY, MIS		3060	#			2	0	0							
SALEM, MIS		3100	#			29	0	0	37						
		3620 1977	870			52	3	0	37						
KEENVILLE E, WAYNE, 1S, 5E															
SPAR MTN, MIS		1951	140	5.1	120.6	10	0	0	6					MIS	3982
MCCLOSKEY, MIS		3075 1967	90			1	0	0							
ST LOUIS, MIS		3120 1951	#			6	0	0	37						
SALEM, MIS		3190 1967	10			2	0	0	39						
		3709 1977	60			6	0	0							
KELL, JEFFERSON, 1S, 3E															
MCCLOSKEY, MIS		2625 1942	50	0.0	14.0	5	0	0	0	37	0.26			MIS	2921
						ABD 1944, REV 1958, ABD 1962									

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH (FT)	AREA PRO- VED ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL		PAY ZONE	DEEPEST TEST DEP- TH (FT)		
				IN 1981	TO END OF 1981	COM- PLET- ED TO END OF 1981	CO- MPL- ETED 1981	AB- AND 1981	PROD- UCING END OF 1981	GR, PERC- ENT	SUL- FUR ROCK			KIND OF	THI- STR- UCT- URE
*KELL E, JEFFERSON, MARION, 1N-18, 3E															
MCCLOSKEY, MIS		1979	220	27.4	121.5	18	4	0	18			MIS	3511		
ST LOUIS, MIS		1981	10			1	1	0			L	2			
SALEM, MIS		1979	170			15	3	0			L	8			
		1980	50			9	0	0			L	8			
*KELL N, MARION, 1N, 3E															
ST LOUIS, MIS		1976	80	3.5	7.4	7	1	0	7			MIS	3118		
SALEM, MISS		1976	20			2	0	0			L	4			
		1976	80			7	1	0			L	4			
*KELL W, MARION, 1N, 2E															
MCCLOSKEY, MIS		1962	10	0.0	0.8	1	0	0	0	38	OL	6	MIS	2475	
			ADD 1964												
*KELLERVILLE, ADAMS, BROWN, 1-28, 5W															
SILURIAN		1959	670	2.9	236.7	62	1	0	20	37	0	7	AC	STP	1075
*KENNER, CLAY, 3N, 5-6E															
TAR SPRINGS, MIS		1942	1290	15.8	2512.7	109	0	0	24			A	SIL	4970	
BENOIST, MIS		1945	10			1	0	0		37	S	7	AL		
RENAULT, MIS		1942	710			57	0	0		37	0.22	S	10	A	
AUX VASES, MIS		1958	240			17	0	0		37	S	9	A		
SPAR MTN, MIS		1943	850			49	0	0		38	S	9	AL		
MCCLOSKEY, MIS		1947	160			6	0	0		37	LS	5	AC		
ST. LOUIS, MIS		1945	#			6	0	0		37	L	7	AC		
CARPER, MIS		1964	10			1	0	0		37	L	4			
DEVONIAN		1959	40			1	0	0		39	S	10	A		
						2	0	0		36	L	55	A		
*KENNER N, CLAY, 3N, 6E															
BENOIST, MIS		1947	390	0.0	886.6	36	0	0	1			A	ORD	6032	
MCCLOSKEY, MIS		1947	390			31	0	0		37	S	8	A		
		1947	80			5	0	0		37	L	6	AC		
*KENNER S, CLAY, 2N, 5E															
BENOIST, MIS		1950	40	0.0	20.6	4	0	0	0			A	MIS	3602	
AUX VASES, MIS		1967	20			2	0	0		37	S	5	A		
MCCLOSKEY, MIS		1971	10			1	0	0		37	S	6			
		1950	30			4	0	0		37	L	10	AC		
			ADD 1952, REV 1967, ADD 1978												
*KENNER W, CLAY, 3N, 5E															
CYPRESS, MIS		1947	410	3.5	2120.4	35	0	0	8			A	DEV	4800	
BENOIST, MIS		1947	350			27	0	0		37	S	26	A		
RENAULT, MIS		1947	230			16	0	0		38	S	9	A		
AUX VASES, MIS		1960	10			1	0	0		37	S	10	A		
MCCLOSKEY, MIS		1960	110			8	0	0		38	S	24	A		
		1947	20			2	0	0		38	L	4	A		
*KEYSPORT, CLINTON, 3N, 2W															
BENOIST, MIS		1949	180	0.0	176.7	20	0	0	13	38	S	8	AL	MIS	1358
*KINCAID C, CHRISTIAN, 13-14N, 3W															
CEDAR VALLEY, DEV		1955	2620	104.1	5604.0	148	0	0	100			MU	SIL	1971	
SILURIAN		1955	2620			147	0	0		38	DS	19	MU		
		1959	10			1	0	0		38	0	7			
*KING, JEFFERSON, 3-4S, 3E															
RENAULT, MIS		1942	1430	5.7	3742.0	112	0	0	32			A	ORD	6015	
AUX VASES, MIS		1959	10			1	0	0		39	S	X	A		
OHARA, MIS		1962	1380			104	0	0		39	0.17	S	15	AL	
SPAR MTN, MIS		1942	320			11	0	0		40	L	10	AC		
MCCLOSKEY, MIS		1942	#			7	0	0		40	0.16	LS	10	AC	
		1981	#			4	0	0			L	5	AC		
*KING N, JEFFERSON, 3N, 3E															
OHARA, MIS		1981	X	0.8	0.8	X	X	0	X			L	8		
MCCLOSKEY MIS		1981	X			X	X	0				L	5		
ST LOUIS, MIS		1981	X			X	X	0				L	8		

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (= SECONDARY RECOVERY SEE PART I)	PAY ZONE NAME AND AGE	YEAR DEP- TH OF DISC- OVERY	AREA PRO- VEU IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE			DEEPEST TEST DEP- TH (FT)
				1981	1981	COMP- LETD 1981	CO- ETED 1981	AB- AND- 1981	PROD- UCING YEAR	SUL- FUR PERC- ENT	MIND OF ROCK	THI- GKN- UCT-	STR- URE	ZONE	
KINMUNDY, MARION, 4N, 2-3E															
BENOIST, MIS		1950	80	1.0	95.4	7	0	0	3				A	DEV	3650
SALEM, MIS		1915 1950	20			2	0	0		34			3	A	
CARPER, MIS		2430	10			1	0	0		36			7	A	
		3384 1962	50			4	0	0		37			17		
ABD 1960, REV 1962															
KINMUNDY N, MARION, 4N, 3E															
BENOIST, MIS		2050 1953	10	0.0	2.9	2	0	0	0	34			6	MIS	2301
ABD 1954, REV 1951, ABD 1974															
LACLEDE, FAYETTE, 5N, 4E															
BENOIST, MIS		2335 1943	50	0.5	34.5	6	0	0	1	36	0.18		15	A	MIS 2606
LAKEWOOD, SHELBY, 10N, 2-3E															
BENOIST, MIS		1690 1941	120	2.4	282.3	12	0	0	3					AL	3127
AUX VASES, MIS		1720 1941	70			7	0	0		30			7	AL	
			50			5	0	0		32	0.23		8	AL	
LANCASTER, WABASH, LAWRENCE, 1-2N, 13W															
TAN SPRINGS, MIS		2050 1940	1980	29.2	5334.3	150	2	0	56					DEV	4555
BETHEL, MIS		2540 1959	10			0	0	0		31			3	A	
OHARA, MIS		2670 1944	980			0	0	0		36			14	AL	
SPAR MTN, MIS		2649 1964	1010			0	0	0					L	10 AC	
MCCLUSKY, MIS		2690 1940	#			9	0	0					L	6	
			#			53	2	0		40	0.28		L	7 AC	
LANCASTER GEN, WABASH, 1N, 13W															
AUX VASES, MIS		2770 1946	350	30.0	409.1	29	12	0	13					MIS	3994
OHARA, MIS		2750 1981	10			1	1	0					S	12	
SPAR MTN, MIS		2810 1946	270			7	2	0					L	7	MC
MCCLUSKY, MIS		2815 1947	#			10	0	0		37			L	7	MC
ST LOUIS, MIS		3010 1980	30			4	1	0					L	8	MC
SALEM, MIS		3450 1981	70			3	2	0					L	6	
						6	6	0					L		
ABD 1961, REV 72, ABD 76, REV 80															
LANCASTER E, WABASH, 2N, 13W															
BRIDGEPORT, PEN		1310 1944	70	0.0	76.3	6	0	0	1					MIS	2750
BUCHANAN, PEN		1410 1976	60			1	0	0					S	13	
STIEHL, PEN		1745 1944	#			1	0	0					S	5	
SPAR MTN, MIS		2660 1947	10			4	0	0		31			S	10	ML
						1	0	0		34			L	6	MC
ABD 1975, REV 1976															
LANCASTER S, WABASH, 1N, 13W															
BETHEL, MIS		2520 1946	330	12.4	512.9	24	0	0	18					MIS	3489
OHARA, MIS		2670 1949	280			19	0	0		36			S	6	ML
MCCLUSKY, MIS		2720 1966	80			4	0	0					L	6	MC
			#			1	0	0		34			L	12	MC
LANGWISCH-KUESTER, MARION, 1N, 1E															
UNNAMED, PEN		795 1910	120	1.6	41.0	16	0	0	1					DEV	3509
CYPRESS, MIS		1600 1951	10			2	0	0		32			S	X	N
		1600 1910	110			14	0	0		35			S	X	N
LAWRENCE, LAWRENCE, CRAWFORD, 2-5N, 11-13W															
TRIVOLI, PEN		290 1906	36670	X	X	7099	69	16	2721					CAH	9261
CUBA, PEN		450	11030			19	0	0		28			S	X	A
BRIDGEPORT, PEN		800	#			6	1	0					S	X	A
LPENNSYLVANIAN		950	#			1381	10	2		36			S	40	A
BUCHANAN, PEN		1250	#			23	0	7					S	15	A
RIDGLEY		1300	#			579	0	1		33			S	15	A
TAN SPRINGS, MIS		1410	70			X	7	0					S	X	
HARDINSBURG, MIS		1570	110			8	0	0		34			S	10	A
JACKSON, MIS		1370	1570			12	0	0		33			S	10	A
CYP(KIRKWOOD), M		1400	22440			333	8	1		33			S	15	A
SAMPLE, MIS		1600	9860			4557	27	3		40			S	40	A
BETH(TRACEY), MIS		1650	#			183	3	1		35			S	8	A
BENOIST, MIS		1695	#			1015	0	0		38			S	20	A
AUX VASES, MIS		1775	870			103	4	2		37			S	7	A
OHARA, MIS		1750	13100			65	7	0		38			S	8	A
SPAR MTN, MIS		1860	#			15	0	0					L	8	A
MCCLUSKY, MIS		1860	#			102	21	0		33			L8	4	A
ST. LOUIS, MIS		1860	#			1170	12	1		40			L	10	A
SALEM, MIS		1955	190			19	1	0		35			L	10	A
DEVONIAN		2934 1975	60			9	0	0		36			L	2	A
						14	0	1		39			L	12	

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH OF DISC- VERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs DUR- TO ING 1981 END OF 1981	NUMBER OF WELLS			CHARACTER OF OIL SUL- FUR PER- KIND ENT THI- STR- = URE	PAY ZONE	DEEPEST TEST ZONE TH (FT)
					COMP- LETED TO END OF 1981	CO- ETED AND 1981	AB- PROD- UCING END OF 1981			
(CONTINUED FROM PREVIOUS PAGE)										
*LAWRENCE, LAWRENCE, CRAWFORD, 2-9N, 11-13W TRENTON, ORD		1978	80		1	0	0		L	40
SEE LAWRENCE COUNTY DIVISION FOR PRODUCTION										
LAWRENCE COUNTY DIVISION, LAWRENCE, CRAWFORD		1900	37620	1058,8	389,144.3	7188	69	16	2753	CAM 9261
TOTALS FOR LAWRENCE AND ST. FRANCISVILLE POOLS										
*LAWRENCE W, LAWRENCE, 3N, 13W		1952	960	13.5	550.4	79	0	3	41	MIS 3059
PAINT CREEK, MIS		1978	700			9	0	0	35	S 13
BETHEL, MIS		2050	#			42	0	1	33	S 15
AUX VASES, MIS		2110	70			7	0	2	36	S 8
OHARA, MIS		2214	260			1	0	0		L 16
SPAR MTN, MIS		2193	#			6	0	1		L 2
MCCLOSKEY, MIS		2225	#			16	0	1	40	L 11
*LEXINGTON, HABASH, 1S, 14W		1947	160	0.0	477.9	15	0	0	3	A DEV 5020
CYPRESS, MIS		2585	10			1	0	0	32	S 10 AL
BENDIST, MIS		2733	20			2	0	0		S 4
OHARA, MIS		2912	130			1	0	0		L 3
MCCLOSKEY, MIS		2970	#			12	0	0	38	L 8 AC
LEXINGTON N, HABASH, 1S, 14W		1951	20	0.0	6.4	3	1	0	1	L 4 MC MIS 3680
STE. DEN, MIS										
ABD 1958, REV 1981										
*LILLYVILLE, CUMBERLAND, EFFINGHAM, 8-9N, 6-7E		1946	190	6.7	652.4	15	0	0	9	DEV 4000
SPAR MTN, MIS		2433	200			1	0	0		S 6
MCCLOSKEY, MIS		2425	#			13	0	0	36	L 10 A
LILLYVILLE N, CUMBERLAND, 9N, 7E		1974	80	21.9	525.8	5	0	0	5	ORD 6500
SPAR MTN, MIS		2405	80			3	0	0		S 7
MCCLOSKEY, MIS		2440	#			5	0	0		L 20
SALEM, MIS		2840	60			4	0	0		L 5
GENEVA, DEV		3825	30			3	0	0		U 10
LIS, JASPER, 7N, 9E		1964	10	0.0	0.5	1	0	0	0	S 5 MIS 3050
SPAR MTN, MIS										
ABD 1967										
LITCHFIELD, MONTGOMERY, 8-9N, 5W		1886	160	0.0	24.0	19	1	0	1	S 23 0.24 S U STP 3000
UNNAMED, PEN										
ABD 1904, REV 1942, ABD X, REV 1981										
LITCHFIELD S, MONTGOMERY, 8N, 5W		1967	80	0.0	0.0	7	0	0	5	S 23 S 3 DEV 1920
PENNSYLVANIAN										
*LIVINGSTON, MADISON, 6N, 6W		1948	490	9.0	741.6	68	2	2	24	S 35 S 15 ML ORD 2378
PENNSYLVANIAN										
*LIVINGSTON S +, MADISON, 5-6N, 6W		1950	680	19.5	617.1	81	1	3	55	S 35 S 7 ML SIL 1886
PENNSYLVANIAN										
*LOCUST GROVE, WAYNE, 1N, 9E		1951	170	7.7	260.2	15	1	0	3	MIS 4190
AUX VASES, MIS		3215	110			8	0	0	36	S 10
OHARA, MIS		3240	60			6	1	0		L 4
MCCLOSKEY, MIS		3280	#			1	0	0	37	L 6
LOCUST GROVE S, WAYNE, 1S, 9E		1953	180	0.0	114.9	11	0	0	0	MIS 3439
OHARA, MIS		3248	180			2	0	0	39	L 6
SPAR MTN, MIS		3300	#			6	0	0	37	L 10
MCCLOSKEY, MIS		3286	#			4	0	0	39	L 4
ABD 1971, REV 72, ABD 74, REV 78, ABD 79										

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH (FT)	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL			PAY ZONE	DEEPEST TEST	
				1981	1981	COMP- TO 1981	CO- TO 1981	AB- AND- 1981	PROD- UCING YEAR	SUL- GR, API	FUK PERC- ENT	KIND OF ROCK			THI- CKN- ESS
LOGAN, FRANKLIN, 78, 3E															
AUX VASES, MIS		1966	40	3.1	89.0	4	1	1	2					MIS	4052
SPAR MTN, MIS		1966	10			1	0	0							
MCCLOSKEY, MIS		1966	20			1	0	0							
ST LOUIS, MIS		1966	#			1	0	0	34						
		1981	10			1	1	1							
LONG BRANCH, BALINE, HAMILTON, 78, 6E															
PALESTINE, MIS		1950	70	2.4	335.9	12	0	0	3					MIS	4373
CYPRESS, MIS		1950	20			2	0	0							
AUX VASES, MIS		1951	20			3	0	0	37						
MCCLOSKEY, MIS		1950	40			6	0	0	37						
		1950	20			2	0	0	37						
LONG BRANCH 8, BALINE, 88, 6E															
CYPRESS, MIS		1955	10	0.0	8.9	1	0	0	0					MIS	3210
			ABO 1971												
*LOUDEN 4, FAYETTE, EFFINGHAM, 6-9N, 2-4E															
CYPRESS, MIS		1937	25910	1681.0	372421.0	2528	60	6	1332					A	PC 8616
BETHEL, MIS		1940	22070			1674	54	0		36	0.25	S	30	A	
BENDIST, MIS		1937	9510			425	36	4		38	0.24	S	15	A	
AUX VASES, MIS		1937	7370			774	37	0		38	0.20	S	10	A	
MCCLOSKEY, MIS		1955	1150			36	20	0		37	0.17	S	6	AL	
CARPER, MIS		1952	30			2	0	0		37		L	4	AC	
GENEVA, DEV		1937	3550			151	0	6		28	0.48	D	15	A	
TRENTON, ORD		1955	20			2	0	0				L	12	A	
LOUISVILLE, CLAY, 4N, 6E															
AUX VASES, MIS		1974	540	42.7	280.3	42	1	2	24					DEV	4865
RENAULT, MIS		1974	40			4	0	0							
SPAR MTN, MIS		1978	10			1	0	1							
MCCLOSKEY, MIS		1974	540			9	0	0							
SALEM, MIS		1974	#			30	1	2				OL	6		
ULLIN, MIS		1974	20			2	0	0				L	4		
		1974	10			1	0	0				L	4		
*LOUISVILLE N, CLAY, 4N, 6E															
AUX VASES, MIS		1953	110	0.0	56.3	8	0	0	1					M	SIL 4650
SPAR MTN, MIS		1961	40			2	0	0		37			10	ML	
		1961	70			6	0	0		37			9	ML	
			ABO 1956, REV 1962, ABO 1973, REV 1974												
LOUISVILLE 8, CLAY, 3N, 6E															
AUX VASES, MIS		1960	20	0.0	1.5	2	0	0	0					DEV	4740
OHARA, MIS		1960	10			1	0	0		38			6		
		1960	10			1	0	0		36			2		
			ABO 1967, REV 1976, ABO 1979												
LYNCHBURG, JEFFERSON, 38, 4E															
MCCLOSKEY, MIS		1951	60	1.3	328.5	3	0	0	1	38				MIS	3579
*MCKINLEY, WASHINGTON, 38, 4W															
BENDIST, MIS		1940	250	2.0	769.2	30	0	0	5					ORD	3983
SILURIAN		1940	180			17	0	0		41	0.18	S	5	W	
		1940	190			12	0	0		40		L	40	W	
MACEDONIA, FRANKLIN, 58, 4E															
SALEM, MIS		1961	30	0.8	9.3	2	0	0	1					DEV	5249
ULLIN, MIS		1978	20			1	0	0					10		
		1961	10			1	0	0		37			12		
			ABO 1965, REV 1978												
*MAIN C 4, CRAWFORD, LAWRENCE, JASPER, 5-8N, 10-14W															
CUBA, PEN		1906	63350	1593.3	233976.3	12319	222	15	3696					8TP	5317
UNNAMED, PEN			62080			75	0	0		32			X	ML	
ROBINSON, PEN			#			4	0	0					5	ML	
PENNSYLVANIAN			#			10598	101	9	35				25	ML	
BARLOW, MIS		1968	10			55	4	3					X	ML	
CYPRESS, MIS		1954	670			1	0	0				OL	10		
PAINT CREEK, MIS		1954	470			45	2	0		34			15	ML	
BETHEL, MIS		1979	5130			X	0	0		36			30	ML	
RENAULT, MIS		1979	180			195	14	0		36			18	ML	
AUX VASES, MIS		1979	180			13	11	0					10	ML	
		1979	3650			186	13	2		35			15	ML	

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (+ SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE (FT) OVERY	YEAR DEP- TH DISC- (FT)	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE	DEEPEST TEST DEP- TH (FT)	
				1961	1961	COMP- CO- LETED MPL	AB- ETED AND- ONED	PROD- UCING END OF	SUL- FUR GR. PERC- ENT	API			
*MAIN C +, CRAWFORD, LAWRENCE, JASPER, 5-8N, 10-14W (CONTINUED FROM PREVIOUS PAGE)													
SPAR MTN, MIS	1515		730			3	1	0			S	6 MC	
MCCLO(OBLONG), MIS	1400		#			153	1	0	35		L	X MC	
SALEM, MIS	1845	1947	290			14	0	0	37		L	5 MC	
DEVONIAN	2795	1961	340			19	2	0	40		L	11 MC	
TRENTON, ORD	3900	1976	430			25	0	0			L	75	
*MAPLE GROVE C, EDWARDS, WAYNE, 1-2N, 9-10E													
AUX VASES, MIS	1943		3020	269.9	5147.6	183	19	5	81		S	A DEV 9220	
OHARA, MIS	3145	1943	960			67	7	5	36		S	15 A	
SPAR MTN, MIS	3230	1945	2170			16	6	0	27		L	3 AC	
MCCLOSKEY, MIS	3250		#			10	2	0			L	1 AC	
ST LOUIS, MIS	3260	1943	#			97	4	0	41		L	6 A	
SALEM, MIS	3500	1977	10			1	0	0			L	6	
ULLIN, MIS	3660	1967	110			8	0	0	39		L	4	
ULLIN, MIS	4057	1976	30			3	0	0			L	7	
*MAPLE GROVE S C, EDWARDS, IN, 10E													
OHARA, MIS	1945		680	221.1	495.6	48	29	1	39		L	MIS 4200	
SPAR MTN, MIS	3260	1951	630			21	17	1	40		L	6	
MCCLOSKEY, MIS	3275		#			4	2	0			L	6	
SALEM, MIS	3275		#			24	14	0	38		L	6	
ULLIN, MIS	3850	1976	40			3	0	0			L	65	
ULLIN, MIS	4170	1977	10			1	0	0			L	28	
*MARCDE, JEFFERSON, 38, 2E													
SPAR MTN, MIS	1938		50	33.0	51.6	5	3	0	5		S	MIS 3520	
MCCLOSKEY, MIS	2700	1976	50			1	0	0			S	18	
MCCLOSKEY, MIS	2745	1938	#			9	3	0	25	0.54	L	15 MC	
*MARINE, MADISON, 4N, 6W													
DEV-81L	1700	1943	2470	75.5	12149.7	148	0	0	113	35	0.26	L	20 H ORD 2619
*MARINE W, MADISON, 5N, 7W													
DEVONIAN	1653	1965	100	0.0	25.2	6	0	0	0	35		L	3 ORD 2355
*MARION, WILLIAMSON, 98, 3E													
AUX VASES, MIS	1950		20	0.1	0.7	2	0	0	1		S	MIS 2560	
OHARA, MIS	2385	1950	10			1	0	0	40		S	5	
OHARA, MIS	2470	1975	10			1	0	0			L	8	
*MARION E, WILLIAMSON, 98, 3E													
BETHEL, MIS	2295	1959	10	0.0	1.1	2	0	0	0	37		S	8 MIS 2642
*MARISSA W +, ST. CLAIR, RANDOLPH, 3-4S, 7W													
CYPRESS, MIS	215	1960	70	0.0	0.0	3	0	1	0	25		S	3 ORD 2413
*MARKHAM CITY, JEFFERSON, 2-38, 4E													
STE. GEN, MIS	3070	1942	340	31.5	1643.0	19	0	0	4	38	0.08	L	10 A MIS 4050
*MARKHAM CITY N, JEFFERSON, WAYNE, 29, 4-SE													
AUX VASES, MIS	1943		310	5.9	1470.2	23	0	0	8		S	A MIS 4085	
MCCLOSKEY, MIS	2950	1944	120			9	0	0	38		S	6 AL	
MCCLOSKEY, MIS	3075	1943	310			16	0	0	37	0.24	L	8 AC	
*MARKHAM CITY W, JEFFERSON, 2-38, 4E													
AUX VASES, MIS	1945		620	82.0	2469.6	53	13	0	15		S	A DEV 4950	
MCCLOSKEY, MIS	2905	1945	310			19	0	0	39		S	15 AL	
SALEM, MIS	3035	1946	390			25	2	0	37		L	7 AC	
SALEM, MIS	3774	1969	340			13	12	0			L	4	
*MARTINSVILLE, CLARK, 9-10N, 13-14W													
SHALLOW, PEN	1907		2600	X	X	395	3	0	167		S	X U STP 3411	
CASEY, PEN	255		2300			10	0	0			S	X U	
MARTINSVILLE, MIS	500		#			100	1	0			S	X U	
CARPER, MIS	480		930			30	1	0			L	X U	
DEVONIAN	1340		1050			87	1	0	37		S	40 U	
DEVONIAN	1550		700			45	0	0	38		L	X U	

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR DEP- TH OF OISC- OVENY	PRODUCTION M BBLs				NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE		DEEPEST TEST
			AREA PRU- VED	DUR- ING	TO END OF	TO END OF	COMP- LETED	CO- MPL- ETED	AB- AND	PRDU- UCING	SUL- FUR	KINU RUCKA	THI- ESS	STR- UNE	ZONE
(CONTINUED FROM PREVIOUS PAGE)															
*MARTINSVILLE, CLARK, 9-10N, 13-14W															
TRENTON, ORD		2700	520			36	0	0		40	L	X	U		
SEE CLARK COUNTY DIVISION FOR PRODUCTION															
*MASON N, EFFINGHAM, 6N, 5E															
BENOIST, MIS		1951	240	3.0	418.3	16	0	0		9			A	MIS	2553
AUX VASES, MIS		2290 1951	180			11	0	0		38	S		13	AL	
SPAR MTN, MIS		2355 1951	10			1	0	0		36	S		5	AL	
MCCLOSKEY, MIS		2390 1951	90			4	0	0			L		18	AC	
		2475	#			3	0	0		37	L		5	AC	
MASSILON, WAYNE, EDWARDS, 18, 9-10E															
UHARA, MIS		3255 1946	70	0.0	91.2	3	0	0		0	37	L	6	MC	MIS 3472
ABU 1953															
MASSILON S, EDWARDS, 18, 10E															
UHARA, MIS		3315 1947	10	0.0	0.3	1	0	0		0	37	L	9	MC	MIS 3451
ABU 1947															
*MATTOON, COLES, 11-12N, 7-8E															
CYPRESS, MIS		1939	6260	124.9	20557.9	581	4	6		232			A	STP	4915
AUX VASES, MIS		1750 1939	3420			265	1	6			39	0.16	S	13	A
SPAR MTN, MIS		1900	580			29	0	0		32	S		15	AL	
MCCLOSKEY, MIS		1950 1944	4870			398	2	1		38	0.21	S	12	A	
SALEM, MIS		2010	#			9	0	0		37	L		5	AC	
CARPER, MIS		2236 1977	0			4	0	0			L		6		
DEVONIAN		2950 1955	300			29	2	0		39	S		10	A	
		3162 1970	30			4	0	1		34			9		
*MATTOON N, COLES, 13N, 7E															
SPAR MTN, MIS		1902 1960	160	1.4	371.9	12	0	0		3	40	S	12	A	MIS 1978
MATTOON S, CUMBERLAND, 11N, 7E															
CARPER, MIS		3035 1962	50	0.0	4.7	3	0	0		0	38	S	10		MIS 3337
ABU 1966															
MAUNIE E, WHITE, 6S, 11E															
TAN SPRINGS, MIS		1951	80	0.3	65.2	6	0	0		1			AF	MIS	3088
AUX VASES, MIS		2280 1962	10			1	0	0		35	S		8	AF	
		2870 1951	70			5	0	0		35	S		20	AF	
ABU 1952, NEV 1955															
*MAUNIE N C, WHITE, 5-6S, 10-11E, 14W															
PENNSYLVANIAN		1941	2130	14.6	5052.6	179	1	0		47			A	DEV	6119
WALTERSBURG, MIS		1320	10			1	0	0		34	S		20	AL	
TAN SPRINGS, MIS		2305 1952	130			10	0	0		37	S		12	AL	
HARDINSBURG, MIS		2350	160			10	0	0		35	S		10	AL	
JAMPLE, MIS		2565	10			1	0	0		36	S		10	A	
BETHEL, MIS		2820 1941	480			2	0	0		35	S		13	AL	
RENAULT, MIS		2935	#			30	0	0		35	S		13	AL	
AUX VASES, MIS		2930 1943	10			1	0	0		36	L		2	AC	
UHARA, MIS		2995 1944	890			8	0	0		37	L		4	AC	
SPAR MTN, MIS		3025 1947	#			25	1	0		36	L		6	AC	
MCCLOSKEY, MIS		3035 1945	#			24	0	0		33	L		10	AC	
SALEM, MIS		3874 1960	40			1	0	0			L				
ULLIN, MIS		3950 1980	40			1	0	0			L				
*MAUNIE SOUTH C, WHITE, 6S, 10-11E															
BRIDGEPORT, PEN		1941	1750	29.4	7482.0	176	1	0		55			A	DEV	4908
BIEHL, PEN		1400	180			11	0	0		24	S		7	AL	
DEGONIA, MIS		1649 1959	#			3	0	0		31	S		X	AL	
PALESTINE, MIS		1900 1942	120			13	0	0		35	S		10	AL	
WALTERSBURG, MIS		2010 1941	640			54	0	0		35	S		17	AL	
TAN SPRINGS, MIS		2210	20			2	0	0		37	S		19	AL	
CYPRESS, MIS		2270 1942	830			53	0	0		35	S		16	AF	
BETHEL, MIS		2590	400			31	1	0		36	S		10	AL	
AUX VASES, MIS		2735	10			1	0	0		37	S		X	AL	
SPAR MTN, MIS		2845 1941	180			15	1	0		37	S		12	AL	
MCCLOSKEY, MIS		2900	40			1	0	0			L		8	AC	
ST LOUIS, MIS		2920	#			4	0	0		35	L		6	AC	
SALEM, MIS		3293 1975	10			1	0	0			L		9		
ULLIN, MIS		3874 1973	10			1	0	0			L				
		3964 1975	10			1	0	0			L		6		
MAYBERRY, WAYNE, 2-3S, 6E															
		1941	420	42.9	526.1	30	7	1		22					DEV 5435

(CONTINUED ON NEXT PAGE)

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (<u>SECONDARY</u> RECOVERY SEE PART I)	PAY ZONE	YEAR	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL			DEEPEST TEST		
				DUR- ING 1981	TO END OF 1981	COMP- LETED TO 1981	CO- MPL- ETED IN 1981	AB- AND ONED 1981	PROD- UCING YEAR	SUL- FUR PERC- ENT	PAY ZONE	THI- STR- UCT- ZONE	DEP- TH (FT)		
(CONTINUED FROM PREVIOUS PAGE)															
MAYBERRY, WAYNE, 2-38, 6E															
MCCLOSKEY, MIS		3350 1961	210			15	0	0		39	0.16	L	8	AC	
SALEM, MIS		3840 1977	190			10	7	0				L	8		
ULLIN, MIS		4300 1977	70			7	0	1				L	25		
MAYBERRY N, WAYNE, 28, 6E															
		1948	10	0.0	1.4	2	1	0		1				MIS	4311
MCCLOSKEY, MIS		3330 1948	10			1	0	0		39		L	2		
ULLIN, MIS		4190 1981	10			1	1	0				L	4		
			ABD 1950, REV 1981												
MAYBERRY S, WAYNE, 38, 6E															
		1981	20	5.8	5.8	2	2	0		2				MIS	4350
SALEM, MIS		4180 1981	10			1	1	0				L	6		
ULLN, MIS		4350 1981	10			1	1	0				L	5		
MECHANICSBURG, SANGAMON, 16N, 3W															
SILURIAN		1734 1972	150	8.3	215.1	11	0	0		9		L	16	SIL	1800
MELROSE, CLARK, 9N, 13W															
ISABEL, PEN		840 1953	180	3.9	X	16	0	0		5	35	S	10	PEN	914
MELROSE S, CLARK, 9N 13W															
ISABEL, PEN		865 1953	20	0.0	0.0	2	0	0		0	35	S	7	PEN	888
			ABD 1959, REV 1964, ABD 1969												
MILETUS, MARION, 4N, 4E															
		1947	230	1.8	372.1	17	1	0		5				A	DEV
BENOIST, MIS		2140 1947	130			8	0	0		35		S	7	A	3999
AUX VASES, MIS		2200 1947	140			8	0	0		36		S	7	A	
MCCLOSKEY, MIS		2350 1947	50			3	0	0		36		L	5	A	
CARPER, MIS		3650 1981	10			1	1	0				S	30		
HILLERSBURG, BOND, 4N, 4W															
DEVONIAN		2130 1967	20	0.0	10.3	2	0	0		0	38	S	2	DEV	2180
			ABD 1971												
MILL SHOALS, WHITE, HAMILTON, WAYNE, 2-48, 7-8E															
		1939	3660	239.3	12397.8	310	36	1		132				A	DEV
AUX VASES, MIS		3245	2890			214	10	1		36	0.14	S	11	A	5606
OHARA, MIS		3320	1210			10	1	0				OL	11	AC	
SPAR MTN, MIS		3345	#			17	2	0				LS	8	AC	
MCCLOSKEY, MIS		3375 1939	#			47	5	0		36		OL	5	AC	
ST. LOUIS, MIS		3546 1960	10			1	0	0		39		L	10	AC	
SALEM, MIS		3970 1961	620			43	23	1		38		L	4	A	
ULLIN, MIS		4110 1959	90			7	4	0		38		L	10	A	
DUTCH CREEK, DEV		5380 1980	20			2	0	0				S	25		
HILLS PRAIRIE, EDWARDS, 1N, 14W															
OHARA, MIS		2925 1948	10	0.0	1.9	1	0	0		0	37	L	5	MC	MIS
			ABD 1952												
HILLS PRAIRIE N, EDWARDS, 1N, 14W															
OHARA, MIS		2925 1953	30	0.0	4.9	2	0	0		0	37	L	5	MC	MIS
			ABU 1956												
MITCHELLSVILLE, SALINE, 108, 6E															
		1955	30	0.5	26.2	3	0	0		1				MIS	2452
DEGONIA, MIS		1330 1955	10			1	0	0		35		S	6		
WALTERSBURG, MIS		1505 1955	10			1	0	0		38		S	9		
CYPRESS, MIS		2107 1973	10			1	0	0				S	20		
MODE, SHELBY, 10N, 4E															
		1961	360	9.0	356.3	19	0	0		14				DEV	3265
BETHEL, MIS		1682 1961	140			9	0	0		35		S	12		
BENOIST, MIS		1742 1961	360			13	0	0		34		S	8		
AUX VASES, MIS		1772 1961	10			2	0	0		37		S	8		
MONTROSE, EFFINGHAM, 2N, 7E															
MCCLOSKEY, MIS		2523 1968	80	4.6	140.3	6	0	0		3		L	7	MIS	3005

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (+ SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH OF DIAC- (PT) OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST	
				DUR- ING	TO END OF	COMP- LETED TO	CD- ETED IN	AB- AND ONED	PROD- UCING YEAR	SUL- FUR PERC- OF	KIND OF			THI- STR- UCT-
*MONTROSE N, CUMBERLAND, 9N, 7E														
MCCLOSKEY, MIS		2500 1969	20	0,3	20,4	2	0	0	2		OL	10	DEV	3980
*MT. AUBURN C, CHRISTIAN, 19N, 1-2W														
SILURIAN		1920 1943	7400	48,4	6804,9	441	4	0	125	37	0,28	L	15	MU TRN 2577
*MT. CARMEL ++, WABASH, 1N, 18, 12W														
BRIDGEPORT, PEN		1370 1939	4910	152,2	18960,6	563	7	8	183				A	DEV 4237
BIEHL, PEN		1470 1946	1190			6	0	0		34	8	20	AL	
JORDAN, PEN		1520	#			70	0	1		36	0,28	8	20	AL
PALESTINE, MIS		1580	60			6	0	0				8	15	AL
WALTERSBURG, MIS		1690	50			5	0	0		35		8	10	AL
TAR SPRINGS, MIS		1790 1939	430			3	0	0		36		8	10	AL
JACKSON, MIS		2020 1945	10			35	0	1		36		8	13	AL
CYPRESS, MIS		2025 1940	3830			1	0	0				8	25	AL
SAMPLE, MIS		2095	180			346	4	5		38	0,17	8	15	AL
BETHEL, MIS		2110	#			4	0	0		37		8	7	AL
AUX VASES, MIS		2520 1981	40			13	0	0		35		8	16	AL
UHARA, MIS		2320	1360			2	2	0				8		
SPAR MTN, MIS		2350	#			23	0	0		35		OL	5	AC
MCCLOSKEY, MIS		2360	#			14	0	0		39	0,26	8	5	AL
SALEM, MIS		2696 1966	100			67	0	1		37	0,42	OL	6	AC
ULLIN, MIS		3097 1978	10			7	1	0				L	14	
FT PAYNE, MIS		3561 1979	10			1	0	0				L	10	
MT. ERIE N, WAYNE, 1N, 9E														
AUX VASES, MIS		3110 1944	210	1,0	391,7	15	0	0	2			S	8	M MIS 4100
GHARA, MIS		3170 1949	130			6	0	0	40			L	6	ML
MCCLUSKY, MIS		3240 1944	#			2	0	0				L	6	MC
ABD 1966, REV 1967														
*MT. OLIVE ++, MONTGOMERY, 8N, 5W														
POTTSVILLE, PEN		605 1942	80	0,3	X	7	0	0	5	33	0,16	8	6	A SIL 1678
*MT. VERNON, JEFFERSON, 3S, 3E														
AUX VASES, MIS		2665 1943	250	7,0	405,4	18	0	0	6			S	8	A MIS 3262
UHARA, MIS		2750 1943	180			5	0	0	36			L	8	A
MCCLUSKY, MIS		2800 1943	#			2	0	0				L	6	AC
ABD 1943, REV 1943														
*MT. VERNON N, JEFFERSON, 2S, 3E														
MCCLOSKEY, MIS		2675 1956	30	0,7	66,3	3	1	0	3			L	6	MIS 3133
ST LOUIS, MIS		3010 1961	10			2	0	0	38			L	6	
MURDOCK, DOUGLAS, 16N, 10E														
PENNSYLVANIAN		370 1955	10	0,0	0,0	3	0	0	0	36		8	16	PEN 424
ABD 1957, REV 1961, ABD 1968														
*NASHVILLE, WASHINGTON, 2S, 3W														
DEVONIAN		2625 1973	490	63,4	993,4	37	1	0	29			0	20	ORD 3776
SILURIAN		2650 1973	480			5	1	0				L	40	H
NASHVILLE N, WASHINGTON, 1-2S, 3W														
DEVONIAN		2750 1979	500	269,8	389,4	32	28	0	32			L	X	DEV 2780
*NASON, JEFFERSON, 3-4S, 2E														
UHARA, MIS		2758 1943	30	0,6	55,4	3	0	0	1			L	4	ML MIS 3925
SPAR MTN, MIS		2790 1943	#			1	0	0	37			8	12	ML
NEW BADEN E, CLINTON, 1N, 5W														
SILURIAN		1935 1958	290	6,4	280,8	23	0	0	12	39		L	15	H SIL 2200
*NEW BELLAIR, CRAWFORD, 8N, 13W														
ISABEL, PEN		650 1942	140	0,0	10,1	10	0	0	2			S	3	H DEV 2632
(CONTINUED ON NEXT PAGE)														

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR DEP- TH DISC- (PT) QVER	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL		PAY ZONE	DEEPEST TEST
				ING 1981	TO END OF 1981	COMP- LETTED TO 1981	HPL- AB- ETED AND- 1981	PROD- UCING END OF 1981	SUL- FUR KIND OF ROCK	PERC- ENT			
(CONTINUED FROM PREVIOUS PAGE)													
NEW BELLAIR, CRAWFORD, 8N, 13W													
CYPRESS		1165 1942	70			3	0	0		29	0.30	S	10 ML
AUX VASES, MIS		1280 1956	60			3	0	0				S	20 M
ABD 1948, REV 1952, ABD 1954, REV 1956													
NEW CITY, SANGAMON, 14N, 4W													
SILURIAN		1730 1954	440	2.1	225.7	39	0	0		8	39	L	11 MU SIL 1855
NEW CITY 8, CHRISTIAN, 14N, 4W													
SILURIAN		2008 1963	20	0.0	63.4	2	0	0		0	39	L	17 SIL 1918
ABD 1974													
NEW DOUGLAS 8, BOND, 6N, 5W													
PENNSYLVANIAN		640 1957	20	0.0	3.4	2	0	0		0	32	S	7 PEN 709
ABD 1960													
*NEW HARMONY C ++, WHITE, WABASH, EDWARDS, 1N, 1-59, 13-14W													
		1939	27130	1543.7	164723.9	2822	82	12		1136			A SHK 7682
JAMESTOWN, PEN		720	1950			4	0	0		32		S	13 AL
BRIDGEPORT, PEN		1340	#			11	0	0				S	7 AL
MANSFIELD, PEN		X	#			0	0	0				S	X AL
BIEHL, PEN		1850	#			139	4	0		33		S	20 AL
JORDAN, PEN		1760	#			0	0	0				S	X AL
DEGONIA, MIS		1925	150			12	1	0		34		S	10 AL
GLORE, MIS		1980	100			11	0	0		36		S	10 AL
PALESTINE, MIS		2000	270			23	0	0		25		S	10 AL
WALTERSBURG, MIS		2155	1440			140	6	1		36	0.40	S	20 AL
TAR SPRINGS, MIS		2215	2630			225	4	1		35	0.19	S	26 ALF
HARDINSBURG, MIS		2290 1958	20			1	0	0		33		L	10 ALF
CYPRESS, MIS		2570	11160			1089	4	2		35		S	20 ALF
SAMPLE, MIS		2660	11960			61	0	1		36		S	20 ALF
BETHEL, MIS		2700	#			920	22	4		37	0.24	S	27 ALF
RENAULT, MIS		2761	10			1	0	0		34			8
AUX VASES, MIS		2800	8460			630	2	2		37	0.19	S	19 ALF
OHARA, MIS		2900	5830			69	9	0		39		OL	6 AC
SPAR MTN, MIS		2910	#			56	6	0		38		LS	10 AC
MCCLOSKEY, MIS		2925	#			306	10	2		37	0.33	OL	8 AC
ST. LOUIS, MIS		3153 1953	800			56	11	0		36		L	X
SALEM, MIS		3364 1959	570			45	15	1		37		L	16 AC
ULLIN, MIS		3755	350			25	11	0		36		L	6 AC
FORT PAYNE, MIS		4500 1978	710			28	0	5				L	
NEW HARMONY 8 (ILL), WHITE, 58, 14W													
		1941	90	0.0	113.3	8	0	0		1			A MIS 3207
WALTERSBURG, MIS		2250 1941	30			3	0	0		35		S	18 AF
TAR SPRINGS, MIS		2350	10			1	0	0		36		S	16 AF
CYPRESS, MIS		2670 1951	10			1	0	0		35		S	8 AF
BETHEL, MIS		2815	20			2	0	0		36		S	10 AF
AUX VASES, MIS		3005 1949	10			1	0	0		37		S	7 AF
MCCLOSKEY, MIS		3010	20			1	0	0		37		L	5 AF
*NEW HARMONY 8 (IND) ++, WHITE, 58, 14W													
		1946	50	0.0	446.4	6	0	0		1			T MIS 3068
DEGONIA, MIS		1850	20			2	0	0		35		S	8 TP
PALESTINE, MIS		1955	50			1	0	0		24		S	10 TP
WALTERSBURG, MIS		2120	50			3	0	0		37		S	30 TP
*NEW HAVEN C ++, WHITE, 7S, 10-11E													
		1941	780	57.2	2804.7	68	0	0		41			A MIS 3900
DEGONIA, MIS		1789 1975	10			1	0	0				S	6
TAR SPRINGS, MIS		2105 1941	330			25	0	0		38	0.27	S	12 AF
HARDINSBURG, MIS		2245	10			1	0	0		36		S	8 AF
CYPRESS, MIS		2445 1949	480			25	0	0		39		S	12 AF
AUX VASES, MIS		2720	130			11	0	0		37		S	15 AF
OHARA, MIS		2799 1959	140			2	0	0				L	12 A
SPAR MTN, MIS		2828 1960	#			2	0	0				L	15 A
MCCLOSKEY, MIS		2820	#			6	0	0		35		OL	6 AC
NEW HEBRON E +, CRAWFORD, 6N, 12W													
AUX VASES, MIS		1555 1954	90	0.0	0.3	4	0	0		0	35	S	4 MIS 1571
ABD 1965													
*NEW MEMPHIS, CLINTON, 1N, 18, 9W													
SILURIAN		1980 1982	940	49.2	2741.3	54	3	1		51	41	L	R TRN 2900

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- OF TH DISC- (FT) QVRY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST			
				DUR- ING 1961	TO END OF 1961	COMP- CO- LETED MPL- TO END OF 1961	AB- IN ONED 1961	PRUD- UCING YEAR	SUL- FUM API	PERC- OF GR. ENT	KIND OF ROCK			THI- CKN- ESS	STR- UCT- URE	DEP- TH (FT)
NEW MEMPHIS N, CLINTON, 1N, SW DEV-81L		2050 1954	200	34.4	180.8	13	4	0	12	40	L	15	ORD	2915		
NEW MEMPHIS S, CLINTON, WASHINGTON, 1S, SW SILURIAN		2000 1952	20	0.0	0.7	2	0	0	0	41	L	25	ORD	2914		
ABD 1952, REV 1956, ABD 1961																
*NEWTON, JASPER, 6N, 9E STE. GEN, MIS		2950 1944	50	1.0	113.2	6	0	0	1	37	L	6	MC	MIS	3040	
ABD 1962, REV 1969																
NEWTON N, JASPER, 7N, 10E MCCLOSKEY, MIS		2855 1945	100	0.2	9.2	7	0	0	1	37	L	5	MC	MIS	2968	
ABU 1948, REV 1960, ABD 1966, REV 1976																
NEWTON W, JASPER, 6-7N, 9E SPAR MTN, MIS MCCLOSKEY, MIS		1947 2912 1962 3000 1947	680 680 #	9.1	327.9	45 17 35	7 3 5	U 0 0	20		L	5 7		DEV	4570	
ABD 1947, REV 1952, ABD 1953, REV 1961																
NOBLE W, CLAY, 3N, 8E BENOIST, MIS AUX VASES, MIS MCCLOSKEY, MIS SALEM, MIS ULLIN, MIS		2880 1961 1955 1961 3035 1951 3646 1979 3695 1979	80 10 10 30 30 10	5.6	21.1	6 1 1 3 3 1	1 1 1 0 0 0	1 1 0 U U U	4			8 8 8 L L	8 5 8 13 5		MIS	3712
ABU 1959																
NORRIS CITY W, WHITE, 6S, 8E ULLIN, MIS		4204 1978	10	0.3	2.3	1	0	0	1		L	14		MIS	4460	
*OAKDALE, JEFFERSON, 2S, 4E AUX VASES, MIS MCCLOSKEY, MIS		1956 2860 1956 2985 1956	450 370 90	3.0	881.7	34 26 9	0 0 0	0 U U	4	38 37	S L	35 5		MIS	3800	
*OAKDALE N, JEFFERSON, 2S, 4E MCCLOSKEY, MIS		2932 1960	170	2.0	688.8	13	0	0	6	37	OL	5		MIS	3630	
OAKLEY, MACON, 16N, 3E CEDAR VALLEY, DEV		2285 1954	170	0.0	22.9	10	0	0	0	37	L	5		DEV	2335	
ABU 1965, REV 74, ABD 80																
*OAK POINT, CLARK, JASPER, 8-9N, 14W ISABEL, PEN AUX VASES, MIS GARPER, MIS		1952 560 1955 1185 1955 2220 1952	790 10 690 90	3.7	580.1	64 1 56 7	0 0 0 0	0 U U U	30	37	S S S	M 10 17 X	ML ML ML	DEV	2691	
OAK POINT W, CLARK, CUMBERLAND, 9N, 11E, 14W AUX VASES, MIS SPAR MTN, MIS MCCLOSKEY, MIS		1955 1190 1955 X 1980 1270 1981	130 120 20 8	0.8	18.8	13 11 1 1	2 1 0 1	0 U 0 0	9	35	S S L	8 X 8		MIS	1560	
OCONEE, SHELBY, 10N, 1E LINGLE, DEV		2850 1975	70	1.0	24.8	4	0	0	3		S	6		DEV	3139	
*ODIN, MARION, 2N, 1-2E CYPRESS, MIS BENOIST, MIS MCCLOSKEY, MIS		1945 1750 1945 1912 1963 2085 1957	350 340 10 30	5.9	1883.3	34 30 1 8	0 0 0 0	0 U U U	23	37 37 37	S S L	A 13 3 12	AL AL A	DEV	3597	
ORANVILLE, WASHINGTON, 1S, 4W SILURIAN		2325 1951	50	0.0	63.3	4	0	0	0	40	L	3	R	SIL	2603	
ABU 1969																

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR OF DISC- OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS					CHARACTER OF OIL			PAY ZONE	DEEPEST TEST ZONE TH (FT)
				1981	TO END OF 1981	COMP- LETED TO END OF 1981	CO- MPL- ETED IN 1981	AB- AND 1981	PROD- UCING YEAR	SUL- FUR PERC- ENT	PAY KIND OF ROCK	THI- STR- UCT- URE			
OHANVILLE NC, WASHINGTON, 1B, 4W DEV-81L		2200 1955	220	5,5	189,3	17	0	0	11	40	L			ORD	3070
*OLD RIPLEY, BOND, 5N, 4W															
		1954	890	9,4	572,6	87	0	1	64					ORD	3085
PENNSYLVANIAN		600 1954	840			86	0	1	34		8	17	A		
AUX VASES, MIS		941 1964	10			1	0	0	36		8	19			
OLD RIPLEY N, BOND, 5N, 4W															
HARDIN, DEV		1991 1962	20	0,0	3,0	1	0	0	0	35	8	1		DEV	2040
			ABD 1966												
*OLNEY C, RICHLAND, JASPER, 4-5N, 10															
		1938	3940	25,0	8456,2	230	0	0	28				A	MIS	4030
AUX VASES, MIS		2918 1940	90			6	0	0	37		8	X	A		
OHARA, MIS		3005 1943	3870			15	0	0	37	0,19	L	6	A		
SPAR MTN, MIS		3050 1946	8			77	0	0	37	0,19	L	5	A		
MCCLOSKEY, MIS		3100 1938	8			140	0	0	37	0,19	L	6	A		
*OLNEY S, RICHLAND, 3N, 10E															
		1937	1120	8,2	1100,6	67	4	3	20				M	DEV	4910
OHARA, MIS		3142 1962	1100			1	0	0			L	4			
SPAR MTN, MIS		3100	8			39	0	2	36		L	4	MC		
MCCLOSKEY, MIS		3115	8			41	3	2	37		L	3	MC		
SALEM, MIS		3800 1981	20			1	1	0			L	6			
*OMAHA +, GALLATIN, 7-8S, 8E															
		1940	1770	78,4	6430,4	162	1	2	81					DEV	5320
JAKE CREEK, PEN		385	360			15	0	0	26		S	20	D		
PENNSYLVANIAN		380	8			5	0	1	19		S	10	D		
BIEL, PEN		1335 1948	8			7	1	0	22		S	10	D		
PALESTINE, MIS		1700 1940	410			27	0	0	26	0,24	S	15	D		
TAK SPRINGS, MIS		1900	170			9	0	0	27		S	15	D		
HARDINSBURG, MIS		2179 1961	80			6	0	0	29		S	18	D		
CYPRESS, MIS		2402 1959	150			12	0	0	35		S	12	D		
PAINT CREEK, MIS		2450 1961	40			1	0	0	37		S	10	D		
BETHEL, MIS		2570 1955	8			3	0	0			S	14	D		
AUX VASES, MIS		2730 1955	890			67	0	1	40		S	20	D		
OHARA, MIS		2734 1958	350			18	0	0	39		L	14	D		
SPAR MTN, MIS		2722 1958	8			5	0	0			S	8	D		
MCCLOSKEY, MIS		2800 1961	8			6	0	0			L	X	D		
OMAHA E, GALLATIN, 8S, 8E															
		1946	130	0,0	61,2	11	0	0	1				M	MIS	3007
CYPRESS, MIS		2530 1957	30			3	0	0	41		S	6	M		
AUX VASES, MIS		2790	10			1	0	0	36		S	X	M		
OHARA, MIS		2855 1946	90			3	0	0	37		L	8	MCF		
SPAR MTN, MIS		2942 1960	8			1	0	0			L	9	MCF		
MCCLOSKEY, MIS		2884 1958	8			3	0	0	38		L	10	MCF		
*OMAHA S, GALLATIN, SALINE, 8S, 7-8E															
		1951	140	0,0	94,3	9	0	0	1				N	MIS	3035
CYPRESS, MIS		2535 1953	90			5	0	0	36		S	15	NL		
AUX VASES, MIS		2670 1955	40			3	0	0	38		S	11	N		
SPAR MTN, MIS		2665 1951	10			1	0	0	37		L	1	NC		
			ABD 1965, REV 1969												
*OMAHA W, SALINE, GALLATIN, 7-8S, 7-8E															
		1950	170	12,2	493,5	15	1	0	13				A	MIS	3025
CYPRESS, MIS		2600 1950	80			7	1	0	38		S	14	AL		
SAMPLE, MIS		2600 1967	90			7	1	0	38		S	12			
AUX VASES, MIS		2800 1950	20			2	0	0	37		S	30	AL		
MCCLOSKEY, MIS		2910	10			1	0	0	38		L	8	AC		
OMEGA, MARION, 3N, 4E															
		1946	150	7,1	34,5	10	3	0	4					MIS	3200
BENOIST, MIS		2280 1943	10			1	0	0	38		S	3			
MCCLOSKEY, MIS		2490 1946	110			7	2	0	38		L	10	D		
SALEM, MIS		2742 1979	40			2	1	0			L	4			
			ABD 1949, REV 1963, ABD 1968, REV 1977												
OPDYKE, JEFFERSON, 3S, 4E															
		1961	60	0,6	9,6	4	0	1	1					MIS	3976
OHARA, MIS		3016 1962	60			1	0	0			L	8			

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (a SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR	PRODUCTION M BBLs			NUMBER OF WELLS			CHARACTER OF OIL			DEEPEST TEST	
			AREA	PRO- VED	DUR- ING	TO END OF	COMP- LETED	CO- MPL- ETED	AB- AND ONED	PROD- UCING	SUL- FUM PERC-		PAY ZONE
NAME AND AGE	DEP- TH	OF DISC- VERY	ACRES	1981	1981	1981	1981	1981	1981	API	KIND ROCK	THI- STR- UCT- ZONE	DEP- TH (FT)
OPDYKE, JEFFERSON, 38, 4E													
(CONTINUED FROM PREVIOUS PAGE)													
MCCLOSKEY, MIS	3074	1961	#				4	0	1	37	DL	20	
ABD 1967, REV 1979													
*ORCHARDVILLE C, WAYNE, 1N, SE													
SAMPLE, MIS	2655	1950	500	96.0	799.4	39	7	1	26	36	S	A	MIS 4030
AUX VASES, MIS	2800	1951	410			1	0	0	36	36	S	16	AL
OHARA, MIS	2880		120			5	0	0	37	L	3	AC	
MCCLOSKEY, MIS	2905	1950	#			6	0	0		L	5	AC	
SALEM, MIS	3320	1980	20			2	1	0		L	8		
ORCHARDVILLE N, WAYNE, 1N, SE													
PAINT CREEK, MIS	2655	1956	20	0.4	25.2	2	0	0	1		S		DEV 4684
AUX VASES, MIS	2780	1971	10			1	0	0		S	6		
ABU 1964, REV 1971													
*ORIENT, FRANKLIN, 78, 2E													
AUX VASES, MIS	2660	1965	40	1.7	200.5	4	0	0	4	38	S	24	MIS 2850
ORIENT N, FRANKLIN, 78, 2E													
AUX VASES	2680	1967	10	0.0	0.3	1	0	0	0	38	S	4	MIS 3049
ABD 1972													
*OSKALOOSA, CLAY, 3-4N, SE													
BENOIST, MIS	2595	1950	560	50.8	2679.8	48	3	0	13	37	S	15	A
AUX VASES, MIS	2643	1958	450			40	0	0	37	37	S	15	A
MCCLOSKEY, MIS	2755	1957	170			12	1	0	36	L	5	A	
DEVONIAN	4400	1981	20			1	1	0		L	30		
*OSKALOOSA E, CLAY, 3N, 5-6E													
AUX VASES, MIS	2820	1947	30	0.0	35.2	2	0	0	0	37	S	5	A
MCCLOSKEY, MIS	2895	1951	20		7.0	1	0	0	33	L	4	AL	DEV 4653
ABD 1954													
OSKALOOSA S, CLAY, 3N, SE													
STE GENEVIEVE, MIS	2770	1951	400	70.1	161.0	24	12	0	15	35	L	4	AC
DEVONIAN	4356	1980	130			11	0	0		L	16		ORD 5648
ABD 1954													
*PANA, CHRISTIAN, 11-12N, 1E													
BENOIST, MIS	1470	1951	200	35.0	220.7	14	2	3	9	37	S	8	DEV 2847
PANA CEN, CHRISTIAN, 11N, 1E													
BENOIST, MIS	1928	1978	280	21.0	52.1	19	2	0	19		S	5	MIS 1661
PANA S, CHRISTIAN, 11N, 1E													
DEVONIAN	2881	1974	130	0.0	0.1	6	0	0	3		L	5	DEV 2929
PANAMA +, BOND, MONTGOMERY, 7N, 3-4W													
GOLCONDA, MIS	705	1940	60	0.3	23.8	6	0	0	1	31	L	12	A
BENOIST, MIS	865		40			4	0	0	28	S	12	A	ORD 2950
ABD 1954													
PANKEYVILLE, SALINE, 98, 6E													
CYPRESS, MIS	2250	1956	30	0.0	6.1	2	0	0	0	37	S	X	MIS 2742
AUX VASES, MIS	2511	1961	20		6.1	2	0	0	38	S	8	28	
ABU 1957, REV 1961, ABD 1961													
PANKEYVILLE E, SALINE, 98, 7E													
CYPRESS, MIS	2250	1956	10	0.0	0.0	1	0	0	0	37	S	X	MIS 2604
PAINT CREEK, MIS	2360	1956	10			1	0	0	36	S	13		
ABD 1957													

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH DISC- (FT) OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTEN OF OIL			PAY ZONE	DEEPEST TEST TH (FT)		
				1981	TO END OF 1981	COMP- LETED TO END OF 1981	MPL- ETED IN 1981	AB- AND- ONED IN 1981	PROD- UCING END OF YEAR	GR, PERC- ENT	BUL- FUN ROCK	KIND OF			THI- ESS	STR- UCT- URE
*PARKERSBURG C, RICHLAND, EDWARDS, 1-3N, 10-11E, 14W																
PENNSYLVANIAN		1941	3990	118.4	11341.7	381	31	5		113			A	DEV	5128	
HALTERSBURG, MIS		1967	1000			1	0	0			36	S	18			
TAR SPRINGS, MIS		1950	160			13	1	0			39	S	10	A		
CYPRESS, MIS		1967	10			1	0	0			36	S	2	A		
BETHEL, MIS		1942	210			13	1	0			36	S	12	A		
AUX VASES, MIS		1942	410			28	4	0			35	S	12	A		
OHARA, MIS			20			2	0	0			37	S	20	A		
SPAR MTN, MIS			4970			10	3	0				L	10	A		
MCCLOSKY, MIS		1945	#			57	0	1			36	0.34	L	10	A	
ST LOUIS, MIS		1941	#			217	6	2			36	0.31	OL	10	A	
SALEM, MIS		1978	480			1	1	0				L	7			
ULLIN, MIS		1978	20			34	17	2				L	4			
*PARKERSBURG S, EDWARDS, 1N, 14W																
PENNSYLVANIAN		1948	170	9.5	114.2	13	4	0		7				MIS	3895	
CYPRESS		1950	70			6	0	0			35	S	10			
BETHEL, MIS		1948	20			1	0	0			36	S	X			
SALEM, MIS		1981	70			3	0	0			35	S	5			
*PARKERSBURG W, RICHLAND, EDWARDS, 2N, 10E																
AUX VASES, MIS		1943	360	4.0	244.1	22	0	0		3				A	MIS	4132
OHARA, MIS		1960	10			1	0	0				S	8			
MCCLOSKY, MIS		1943	30			2	0	0				L	5	AC		
SALEM, MIS		1960	30			18	0	0			36	L	6	AC		
ABD 1962, REV 64, ABD 65, REV 76, ABD 78, REV 80																
*PARNELL, DEWITT, 21N, 4E																
SONORA, MIS		1963	670	9.1	233.7	45	6	0		44				TRN	1971	
DEVONIAN		1964	20			42	6	0			32	S	12			
*PASSPORT N, RICHLAND, 5N, 9E																
AUX VASES, MIS		1959	60	1.3	76.5	5	0	0		2	36	S	10	MIS	3656	
*PASSPORT S, RICHLAND, CLAY, 4N, 8-9E																
TAR SPRINGS, MIS		1948	150	0.1	172.1	12	0	0		2				A	MIS	3723
CYPRESS, MIS		1962	10			1	0	0			37	S	9			
AUX VASES, MIS		1948	80			7	0	0			38	S	15	AL		
SPAR MTN, MIS		1960	10			1	0	0			36	S	8	A		
MCCLOSKY, MIS		1948	40			1	0	0				L	6	AC		
SALEM, MIS		1960	20			2	0	0			38	L	8	AC		
*PASSPORT W, CLAY, 4N, 8E																
STE. GEN, MIS		1954	150	0.0	69.4	11	0	0		0	37	L	5	AC	MIS	3640
*PATOKA, MARION, CLINTON, 3-4N, 1E, 1W																
CYPRESS, MIS		1937	1560	23.6	14774.7	242	0	0		104				U	ORD	4056
BENOIST, MIS		1937	60			8	0	0			39	S	10	U		
AUX VASES, MIS		1970	1000			180	0	0			37	0.16	S	27	U	
SPAR MTN, MIS		1950	40			3	0	0				S	13			
GENEVA, DEV		1943	510			15	0	0			39	0.31	S	9	U	
TRENTON, ORD		1956	630			3	0	0			40	0.28	D	10	U	
*PATOKA E, MARION, 4N, 1E																
CYPRESS, MIS		1941	570	50.0	5880.0	65	0	0		35				U	ORD	4178
BENOIST, MIS		1941	570			55	0	0			36	0.18	S	16	U	
MCCLOSKY, MIS		1953	50			5	0	0			36	0.23	S	10	U	
GENEVA, DEV		1952	20			3	0	0			34	L	8	U		
*PATOKA S, MARION, 3N, 1E																
CYPRESS, MIS		1953	1060	35.2	2575.2	88	0	0		67				A	ORD	4041
BENOIST, MIS		1953	830			63	0	0			36	S	10	A		
SPAR MTN, MIS		1959	230			20	0	0			37	S	15	A		
DEVONIAN		1979	50			2	0	0				S	5	A		
TRENTON, ORD		1973	200			1	0	0				L	10			

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (a SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR	AREA PRO-VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE	DEEPEST TEST		
				DUR-ING 1981	TO END OF 1981	COMP-LETED TO END OF 1981	CO-ETED AND IN 1981	AB-AND-UCING END OF YEAR	PROD-UCING GR. API ENT	SUL-FUR PERC-ENT			FUR-KIND OF ROCK	THI-STR-UCT-URE
PATOKA W, FAYETTE, 4N, 1W														
BENDIST, MIS		1380 1950	200	0,0	303,6	20	0	0	0	32	S	6 A	MIS	1735
ABD 1965														
*PHILLIPSTOWN C, WHITE, EDWARDS, 3-58, 10-11E, 14W														
		1939	7480	490,9	32139,2	703	9	0	356			A	DEV	5350
ANVIL ROCK, PEN		795 1943	1840			1	0	0	36	S	10	AF		
CLARK-BRODPT, PEN		1350	#			14	0	0	36	S	10	AF		
PENNSYLVANIAN		1450	#			17	0	0	36	S	10	AF		
BUCHANAN, PEN		1550	#			26	0	0	30	S	15	AF		
BIHEL, PEN		1875	#			86	0	0	33	0,22	S	15	AF	
KINKRAID, MIS		1954 1961	10			1	0	0			S	17	AF	
DEGONIA, MIS		1975 1943	810			66	0	0	38	S	15	AF		
CLORE, MIS		2010 1942	170			16	0	0	34	S	12	AF		
PALESTINE, MIS		2050 1942	140			14	0	0	32	S	11	AF		
WALTERSBURG, MIS		2280 1943	270			25	0	0	34	S	11	AF		
TAR SPRINGS, MIS		2295 1943	1470			119	3	0	35	S	15	AF		
CYPRESS, MIS		2720 1943	650			55	1	0	36	S	12	AF		
PAINT CREEK, MIS		2780 1944	1980			7	0	0	37	S	9	AF		
BETHEL, MIS		2810 1943	#			113	0	0	36	S	15	AF		
AUX VASES, MIS		2880 1939	1230			96	0	0	37	S	15	AF		
OHARA, MIS		3010 1943	2320			34	0	0	36	L	10	ACF		
SPAR MTN, MIS		2960	#			41	1	0	38	0,21	LS	10	ACF	
MCCLOSKY, MIS		3000 1939	#			86	5	0	34	0,21	L	6	ACF	
ST LOUIS, MIS		3120 1976	20			2	0	0			L	20		
SALEM, MIS		3798 1978	30			2	1	0			L	8		
ULLIN, MIS		3982 1980	20			2	0	0			L	8		
PINKSTAFF, LAWRENCE, 4N, 11W														
MCCLOSKY, MIS		1735 1951	10	0,0	0,1	1	0	0	0	37	L	4	MIS	2290
ABD 1951														
PINKSTAFF E, LAWRENCE, 4N, 11W														
STE GEN, MIS		1640 1955	130	0,2	X	9	0	0	5	35	L	6	MIS	2250
ABD 1961, REV 1975														
PITTSBURG N +, WILLIAMSON, 8S, 3E														
BETHEL, MIS		1964	40	3,6	82,2	4	0	0	3				MIS	3070
AUX VASES, MIS		2459 1972	10			1	0	0			S	8		
		2578 1964	30			3	0	0			S	8		
PIXLEY, CLAY, 4N, 8E														
CYPRESS, MIS		1959	290	49,3	49,3	19	16	0	17				MIS	3815
MCCLOSKY, MIS		2680 1959	20			2	0	0	35	S	9			
SALEM, MIS		3050 1981	10			1	1	0			L	5		
		3538 1980	260			16	15	0			L	3		
ABD 1960, REV 1980														
PLAINVIEW +, MACOUPIN, 9N, 8W														
PENNSYLVANIAN		410 1942	10	0,0	2,0	1	0	0	0	34	S	5	PEN	563
PLAINVIEW S, MACOUPIN, 8N, 8W														
PENNSYLVANIAN		444 1959	10	0,0	X	1	0	0	0	34	S	8	PEN	642
ABD 1962														
POSEN, WASHINGTON, 3S, 2W														
TRENTON, ORD		3900 1952	50	2,1	121,8	4	0	0	1	37	L	25 A	ORD	3954
POSEN N, WASHINGTON, 3S, 2W														
TRENTON, ORD		4015 1953	10	0,0	3,9	1	0	0	0	37	L	15 AC	ORD	4112
ABD 1959														
POSEN S, WASHINGTON, 3S, 2W														
BENDIST, MIS		1255 1955	50	0,0	X	4	0	0	0	34	S	7	MIS	1300
ABD 1959														
POSEY, CLINTON, 1N, 2W														
CYPRESS, MIS		1941	340	22,5	562,1	31	1	0	27				ORD	3784
DEVONIAN		1105 1941	320			29	0	0	36	0,18	S	5	M	
		2675 1959	20			2	1	0	38	L	5	M		
POSEY E, CLINTON, 1N, 2W														
DEV-SIL		2740 1952	480	12,3	696,2	29	0	0	25	38	L	8	DEV	2805

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (+ SECONDARY RECOVERY SEG PART II)	PAY ZONE NAME AND AGE	YEAR DEP OF TH DISC- OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		LET- TO END OF 1961	NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE	DEEPEST TEST			
				1961	TO 1961		COM- PLETE- D	MPL AB-	PROD- UCING END OF YEAR	SUL- FUR PERC-	KIND OF ROCK		THI- STR-	DEP- URE	TH (FT)	
POSEY W, CLINTON, IN, 3W DEVONIAN		2985 1954	20 ABD 1954, REV 1977	0.4	3.2		2	0	0	1	37	L	15	SIL	2670	
PRENTICE +, MORGAN, 16N, 8W PENNSYLVANIAN		270 1953	30	0.0	0.0		3	0	0	0	30	S	10	ORD	1513	
PYRAMID, WASHINGTON, 28, 1W DEVONIAN		3109 1962	100 ABD	0.0	44.1		6	0	0	0	36	S	6	DEV	3255	
*RACCOON LAKE, MARION, IN, 1E CYPRESS, MIS		1949	380	6.5	3443.9		47	0	0	13				U	SIL 3530	
BENOIST, MIS		1625 1949	240				18	0	0	34		S	10	U		
DHARA, MIS		1715 1957	20				2	0	0	37		S	15	UL		
SPAR MTN, MIS		1885 1949	190				1	0	0			L	5	UC		
MCCLOSKEY, MIS		1930 1949	#				11	0	0	36		S	12	UC		
DEV-8IL		1950 1949	#				13	0	0	36		L	10	DC		
		3330 1951	270				15	0	0	40		D	10	K		
*RALEIGH, SALINE, 7-8S, 6E TAR SPRINGS, MIS		1953	630	10.0	2269.6		55	0	0	11				A	DEV 5511	
CYPRESS, MIS		2235 1954	20				2	0	0	35		S	20	A		
PAINT CREEK, MIS		2550 1953	450				39	0	0	34		S	12	A		
AUX VASES, MIS		2738 1956	10				1	0	0	34		S	5	A		
DHARA, MIS		2905 1953	100				11	0	0	38		S	5	A		
SPAR MTN, MIS		3054 1959	50				1	0	0			L	3	A		
MCCLOSKEY, MIS		3025 1957	#				2	0	0	38		L8	10	A		
		3045 1974	#				1	0	0			OL	4			
*RALEIGH S +, SALINE, 8S, 5-6E WALTERSBURG, MIS		1955	570	139.1	1618.9		48	6	0	25				MIS	4400	
BETHEL, MIS		2046 1959	60				4	0	0	39		S	10			
AUX VASES, MIS		2739 1958	10				1	0	0	37		S	8			
SPAR MTN, MIS		2860 1953	470				43	5	0	40		S	16			
MCCLOSKEY, MIS		2950 1961	30				1	1	0			S	10			
		2960 1974	#				2	0	0			OL	13			
RAYMOND, MONTGOMERY, 10N, 4-5W POTTSVILLE, PEN		590 1940	60	0.8	33.0		10	0	0	3	35	0.22	S	10	ML	DEV 2049
*RAYMOND E, MONTGOMERY, 10N, 4W PENNSYLVANIAN		595 1951	60	0.4	33.6		5	0	0	2	34		S	10	MIS	1008
RAYMOND S, MONTGOMERY, 10N, 4W UNNAMED, PEN		603 1959	10 ABD 1959	0.0	0.0		1	0	0	0	34		S	6	PEN	680
*RESERVOIR, JEFFERSON, 1S, 3E SPAR MTN, MIS		1950	470	20.2	626.9		29	7	0	16				MC	DEV 4304	
MCCLOSKEY, MIS		2443 1959	410				6	4	0					M		
SALEM, MIS		2700 1950	#				20	1	0	37		L	6	MC		
		3034 1961	60				4	2	0	39		L	12	M		
*RICHVIEW, WASHINGTON, 28, 1W CYPRESS, MIS		1900 1946	780	27.4	3054.7		85	0	0	59	39		S	12	AL	MIS 3291
RIDGWAY, GALLATIN, 8S, 8E PALESTINE, MIS		1946	20	0.0	0.1		2	0	0	0				MC	MIS 2938	
MCCLOSKEY, MIS		1730 1955	10				1	0	0	30		S	18	ML		
		2840 1946	10		0.1		1	0	0	38		L	6	MC		
			ABD 1946, REV 1953, ABD 1956													
RIFFLE, CLAY, 4N, 6E SPAR MTN, MIS		2735 1948	100 ABD 1961, REV 1981	0.0	80.9		6	1	0	1	36		L	7	MC	MIS 3258
RINARD C, WAYNE, 2N, 7E DHARA, MIS		1937	310	1.3	379.3		24	0	1	4				M	MIS 3950	
SPAR MTN, MIS		3132 1977	300				1	0	1			L	6			
(CONTINUED ON NEXT PAGE)		3139	#				1	0	0			L	6	MC		

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TM DISC- (FT) OVERY	PRODUCTION M BBLs			NUMBER OF WELLS			CHARACTER OF OIL			DEEPEST TEST		
			AREA PRO- VED IN ACRES	DUR- ING 1981	TO END OF 1981	COMP- LETED 1981	CO- MPL- ED IN 1981	AB- AND- ONED 1981	PROD- UCING YEAR	SUL- FUR PERC- ENT	PAY ZONE KIND THI- STR- UCT- URE	DEP- TH (FT)		
(CONTINUED FROM PREVIOUS PAGE)														
RINARD C, WAYNE, 2N, 7E	MCCLOSKEY, MIS	3140 1937	#			21	0	1	39	L	5	MC		
	SALEM, MIS	3561 1976	10			2	0	0		L	25			
RINARD S, WAYNE, 1N, 6E	SPAR MTN, MIS	3268 1965	10	0.0	0.8	1	0	0	0	39	L	4	MIS	3863
			ABD 1966											
RITTER, RICHLAND, 3N, 10-11E	STE, GEN, MIS	3215 1950	110	1.7	267.6	6	0	0	1	38	L	5	MIS	3925
			ABD 1960, REV 1961											
*RITTER N, RICHLAND, 3N, 11E	OHARA, MIS	1951	180	0.0	161.3	11	0	0	0				MIS	3288
	SPAR MTN, MIS	3203 1960	180			1	0	0	39	L	6			
	MCCLOSKEY, MIS	3215 1952	#			8	0	0		L	6			
		3205 1951	#			3	0	0		L	5			
			ABD 1967											
RIVERTON S, SANGAMON, 15N, 4W	SILURIAN	1590 1965	40	0.3	93.4	3	0	0	3	38	D	8	SIL	1670
ROACHES, JEFFERSON, 2S, 1E	BENOIST, MIS	1938	310	13.6	665.5	22	0	0	9				A	DEV
	OHARA, MIS	2000	40			6	0	0	38	S	X	AL		3840
	SPAR MTN, MIS	2170 1942	260			4	0	0	37	0.22	L	5	AC	
	MCCLOSKEY, MIS	2190 1938	#			11	0	0	37	0.22	L	12	AC	
	ST LOUIS, MIS	2250 1938	#			6	0	0	37	0.22	L	4	AC	
		1980	10			2	0	0		L	X			
*ROACHES N, JEFFERSON, 2S, 1E	BENOIST, MIS	1944	420	5.3	1138.9	37	0	0	4				A	TRN
	SPAR MTN, MIS	1925 1944	420			32	0	0	37	S	7	A		4996
	TRENTON	2115 1944	100			6	0	0	34	L	8	AC		
		4852 1962	10			1	0	0	42	L	44			
ROBY, SANGAMON, 15N, 3W	SILURIAN	1775 1949	390	10.1	418.5	27	1	1	14	38	L	5	MU	SIL
			ABD 1951, REV 1954											1905
ROBY E, CHRISTIAN, SANGAMON, 15N, 2-3W	DEVONIAN	1970	1740	182.6	1671.7	111	5	2	74				SIL	1923
	SILURIAN	1757 1971	20			2	0	0		S	2			
		1840 1970	1750			110	5	2		L	20			
ROBY N, SANGAMON, 16N, 3W	SILURIAN	1699 1962	60	0.1	19.2	5	0	0	1	38	L	4	TRN	2300
			ABD 1964, REV 71, ABD 73, REV 79											
ROBY W, SANGAMON, 15N, 3W	HIBBARD, DEV	1655 1957	40	0.5	7.0	4	0	0	3	37	S	5	MU	TNN
			ABD 1963, REV 1967											2259
*ROCHESTER ++, WABASH, 2S, 13W	PENNSYLVANIAN	1948	400	2.0	2561.1	54	1	0	22				M	MIS
	WATERSBURG, MIS	1300 1948	230			23	0	0	32	S	16	MCF		3450
	SALEM, MIS	1940 1948	230			30	1	0		S	20	ML		
		3210 1977	20			2	0	0		L	30			
*ROLAND C +, WHITE, GALLATIN, 5-7S, 8-9E	PENNSYLVANIAN	1939	11610	380.8	59179.9	1024	18	3	329				A	DEV
	DEGONIA, MIS	1410 1954	30			6	0	0	36	S	10	A		5266
	CLORE, MIS	2065	40			4	0	0	35	S	7	A		
	PALESTINE, MIS	1993 1947	90			6	0	0	36	S	4			
	WALTERSBURG, MIS	2085 1946	40			4	0	0	34	S	2	A		
	TAR SPRINGS, MIS	2200	1870			122	1	0	31	0.25	S	15	AL	
	HARDINSBURG, MIS	2300 1940	750			51	1	0	35	S	15	AL		
	GOLCONDA, MIS	2550 1940	2050			162	1	0	37	0.30	S	20	AL	
	CYPRESS, MIS	2505 1955	10			1	0	0	35	S	5	A		
	PAINT CREEK, MIS	2700 1943	2540			164	3	2	36	0.12	S	15	AL	
	BETHEL, MIS	2800 1945	2330			40	0	0	37	S	12	AL		
	AUX VASES, MIS	2800	#			88	0	0	37	0.20	S	12	AL	
	OHARA, MIS	2880 1945	4440			276	5	1	39	0.12	S	13	AL	
		3020 1943	2800			33	1	0	36	DL	6	AC		

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR	AREA	PRODUCTION		NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE			DEEPEST TEST	
				PRO- VED	DUR- IN	TO END OF 1981	COMP- LATED TO END OF 1981	CO- MPL- IN 1981	AB- ONED 1981	PROD- UCTING YEAR	SUL- FUR PERC- ENT	KIND OF ROCK	THI- CK- N- ESS	STR- UCT- URE	DEP- TH (FT)
(CONTINUED FROM PREVIOUS PAGE)															
*ROLAND C +, WHITE, GALLATIN, 9-78, 8-9E															
SPAR MTN, MIS		3050 1945	#				37	3	0	30	L	6	AC		
MCCLOSKEY, MIS		3070 1939	#				124	3	1	30	0,20	L	6	AC	
ST. LOUIS, MIS		3250	110				8	1	0	37	L	X	AC		
SALEM, MIS		4089 1966	160				11	1	0	30	L	19			
ULLIN		4050 1967	300				11	2	0	30	L	4			
ROLAND W, SALINE, 78, 7E															
AUX VASES, MIS		2935 1950	10	0,0	22,3		1	0	0	0	40	8	15	ML MIS 3161	
			ABD 1959												
ROBE HILL, JASPER, 8N, 9E															
		1966	180	101,0	108,3		12	11	0	11				MIS 3052	
SPAR MTN, MIS		2735 1981	170				4	4	0			8	3		
MCCLOSKEY, MIS		2695 1966	#				8	7	0	39	L	10			
			ABD 1976												
*RUARK, LAWRENCE, 2N, 12-13W															
		1941	500	6,1	2661,7		57	3	0	22			A	MIS 2442	
PENNSYLVANIAN		1800 1941	380				43	1	0	33	S	10	AL		
BETHEL, MIS		2075	100				9	1	0	36	S	11	AL		
AUX VASES, MIS		2145	30				3	0	0	37	S	7	AL		
OHARA, MIS		2275 1954	20				2	1	0	37	L	5	AC		
*RUARK W C, LAWRENCE, 2N, 13W															
		1947	740	8,8	1542,7		66	0	0	27			M	MIS 3112	
WALTERSBURG, MIS		1780 1947	50				7	0	0	38	S	10	ML		
CYPRESS, MIS		2165 1952	10				1	0	0	35	S	9	ML		
BETHEL, MIS		2220 1948	580				45	0	0	36	S	20	ML		
OHARA, MIS		2350 1952	300				4	0	0		L	5	MC		
SPAR MTN, MIS		2390	#				2	0	0		L	5	MC		
MCCLOSKEY, MIS		2400 1950	#				19	0	0	38	L	3	MC		
*RURAL HILL N, HAMILTON, 5S, 5E															
		1949	200	12,7	263,2		15	3	0	7			M	DEV 5120	
CYPRESS, MIS		2930 1956	110				8	0	0	35	S	10	ML		
OHARA, MIS		3330 1977	50				1	0	0		L	6			
SPAR MTN, MIS		3325 1949	#				1	0	0	37	L	8	MC		
MCCLOSKEY, MIS		3380 1981	#				1	1	0		L	7			
ST LOUIS, MIS		3640 1977	20				2	1	0		L	7			
SALEM, MIS		3860 1976	20				1	0	0		L	35			
ULLIN, MIS		4220 1977	70				6	3	0		L	7			
			ABD 1950, REV 1956, ABD 1969, REV 1976												
RUSHVILLE, SCHUYLER, 2N, 1W															
DEV-SIL		743 1966	10	0,0	0,0		1	0	0	0	37	L	22	TRN 975	
			ABU 1969												
RUSHVILLE NW, SCHUYLER, 2N, 2W															
SILURIAN		669 1960	30	0,0	0,5		3	0	0	0	36	L	3	AC TRN 1038	
			ABD 1976												
RUSSELLVILLE GAS +, LAWRENCE, 4-5N, 10-11W															
MCCLOSKEY, MIS		1960 1937	40	0,0	12,9		4	0	0	2	35	L	7	AC DEV 3133	
			ABU 1958, REV 1977												
RUSSELLVILLE W, LAWRENCE, 4N, 11W															
SPAR MTN, MIS		1965 1955	10	0,0	2,0		1	0	0	0	37	L	22	MIS 1646	
			ABD 1957												
*ST. FRANCISVILLE, LAWRENCE, 2N, 11W															
BETHEL, MIS		1845 1900	950	X	X		89	0	0	32	32	S	6	ML MIS 2465	
			SEE LAWRENCE COUNTY DIVISION FOR PRODUCTION												
*ST. FRANCISVILLE E, LAWRENCE, 2N, 11W															
		1941	450	0,3	726,8		39	0	0	17			A	MIS 1960	
PENNSYLVANIAN		1260 1954	60				6	0	0	30	S	8	AL		
WALTERSBURG, MIS		1300	10				1	0	0	37	S	6	AL		
HARDINSBURG, MIS		1460 1950	40				3	0	0	35	S	6	AL		
CYPRESS, MIS		1605	80				3	0	0	36	S	15	AL		
BETHEL, MIS		1750 1941	320				25	0	0	40	0,21	S	20	A	
SPAR MTN, MIS		1822 1963	10				1	0	0	36	L	5			
*ST. JACOB, MADISON, 3N, 6W															
TRENTON, ORD		2260 1942	1050	22,1	4222,0		55	0	0	28	40	0,23	L	17	A PC 5019

TABLE 8-continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH (FT)	AREA PRO- VED ACRES	PRODUCTION M BBLB		NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE	DEEPEST TEST				
				OUR- ING 1981	TO END OF 1981	COM- LETED END OF 1981	CO- TO 1981	AB- AND- 1981	PROD- UCING YEAR	SUL- PUR- ENT			KIND OF ROCK	THI- CKN- ESS	STR- UCT- URE	ZONE TH (FT)
ST. JACOB E, MADISON, 3N, 6W																
		1955	50	2.0	7.8	4	0	0	3			ORD	2600			
	HARDIN, DEV	1840	20			1	0	0			S	X	U			
	TRENTON, ORD	2558	30			3	0	0	23		L	4				
ABD 1957, REV 1979																
*ST. JAMES, FAYETTE, 5=6N, 2=3E																
		1938	2280	103.1	20994.3	263	0	0	138			A	DEV	3470		
	GOLCONDA, MIS	1555	10			1	0	0		34	L	15	A			
	CYPRESS, MIS	1580	1900			200	0	0		37	S	16	A			
	BENDIST, MIS	1746	10			1	0	0		36	S	8	A			
	SPAR MTN, MIS	1860	100			10	0	0		38	L	16	A			
	CARPER, MIS	3070	670			52	0	0		37	S	35	A			
ST. PAUL, FAYETTE, 5N, 3E																
		1941	380	6.6	1057.9	36	0	0	19			A	DEV	3575		
	BENDIST, MIS	1900	240			18	0	0		34	S	9	A			
	SPAR MTN, MIS	2080	10			1	0	0		38	L	6	A			
	CARPER, MIS	3288	290			19	0	0		36	S	28				
*STE. MARIE, JASPER, 5N, 10=11E, 14W																
	STE, GEN, MIS	2900	1210	4.4	2101.8	72	0	0	4	37	0.14	L	8	AC	MIS	3483
STE. MARIE E, JASPER, 6N, 14W																
	ST, GEN, MIS	2685	70	0.6	36.2	8	0	0	0	38		L	10	MC	MIS	3191
ABD 1951, REV 66, ABD 80																
STE. MARIE W, JASPER, 5=6N, 10E																
		1949	440	5.7	479.4	23	2	0	14			M	MIS	3225		
	AUX VASES, MIS	2720	10			1	0	0		37	S	25	ML			
	STE GEN, MIS	2815	440			23	2	0		40	L	6	MC			
*SAILOR SPRINGS C, CLAY, EFFINGHAM, JASPER, 3=6N, 6=8E																
		1938	20490	585.3	60141.7	1947	37	8	665			A	DEV	5600		
	TAN SPRINGS, MIS	2340	810			58	0	0		37	0.17	S	12	A		
	GLEN DEAN, MIS	2390	10			1	0	0		38	L	8	A			
	JACKSON, MIS	2550	10			1	0	0		3	S	10				
	CYPRESS, MIS	2550	10510			778	11	5		38	0.28	S	12	A		
	BETHEL, MIS	2740	710			42	0	0		37	S	20	A			
	AUX VASES, MIS	2825	2960			220	10	0		37	S	13	A			
	OHARA, MIS	2900	8370			20	3	0		37	OL	6	A			
	SPAR MTN, MIS	2900	#			208	11	2		33	LS	8	A			
	MCCLOSKEY, MIS	2925	#			351	9	2		40	OL	8	A			
	ST LOUIS, MIS	3310	70			10	0	0		39	L	11	A			
	SALEM, MIS	3260	110			9	3	0		3	L	12				
	DEVONIAN	4586	50			3	1	0				6				
SAILOR SPRINGS E, CLAY, 4N, 8E																
		1944	290	7.1	93.8	25	7	0	11			U	MIS	3776		
	CYPRESS, MIS	2695	110			10	0	0		36	S	8	U			
	SPAR MTN, MIS	3100	80			1	1	0			S	6				
	MCCLOSKEY, MIS	3020	#			7	1	0		37	L	7	U			
	ST LOUIS, MIS	3228	20			2	1	0			L	6				
	SALEM, MIS	3550	140			9	6	0		38	L	6				
ABD 1952, REV 1955, ABD 1956, REV 1960, ABD 1961, REV 1966																
SAILOR SPRINGS N, CLAY, 4N, 8E																
		1948	100	0.0	4.9	8	2	0	3			M	MIS	3710		
	SPAR MTN, MIS	2985	100			5	1	0			L	2	MC			
	MCCLOSKEY, MIS	3030	#			5	1	0		37	L	2	MC			
ABD 49, REV 50, ABD 51, REV 55, ABD 56, REV 57, ABD 60, REV 80																
*SALEM C, MARION, JEFFERSON, 1=2N, 18, 1=2E																
		1938	13740	1702.9	373714.7	2887	11	2	1286			A	PC	9210		
	BENDIST, MIS	1780	10880			637	9	1		37	S	40	A			
	AUX VASES, MIS	1825	7590			822	0	0		37	0.21	S	40	A		
	OHARA, MIS	2075	9590			2	0	0		37	L	3	A			
	SPAR MTN, MIS	2100	#			151	1	0		37	LS	15	A			
	MCCLOSKEY, MIS	2050	#			897	1	0		35	L	17	A			
	ST. LOUIS, MIS	2100	210			19	0	0		37	L	X	A			
	SALEM, MIS	2160	1400			279	0	0		37	L	17	A			
	DEVONIAN	3440	8000			663	1	0		42	0.28	L	40	A		
	TRENTON, ORD	4500	1920			151	0	0		37	L	90	A			
SAMSVILLE, EDWARDS, 1N, 11E																

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH OF (PT) OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST		
				ING DUR- END OF 1981	TO END OF 1981	COMP- LETED TO 1981	CO- MPL- IN 1981	AB- AND- 1981	PROD- UCING YEAR	SUL- FUR API	PERC- OF GR.			KIND OF ROCK	THI- STR- UCT- URE
(CONTINUED FROM PREVIOUS PAGE)															
SAMSVILLE, EDWARDS, 1N, 11E	WALTERSBURG, MIS	2420 1942	70	0,0	1,0	5	0	0	0	38	8	7	A	MIS	3303
ABU 1952, REV 1974, ABD 1977															
*SAMSVILLE N, EDWARDS, 1N, 14W	BETHEL, MIS	2900 1945	210	0,3	260,8	17	1	0	1	38	8	6	A	MIS	4040
	SPAR MTN, MIS	3115 1981	10			1	1	0			8	4			
ABU 1976, REV 1981															
SAMSVILLE NW, EDWARDS, 1N, 10E	OHARA, MIS	3190 1955	60	2,4	6,9	4	1	0	2	38				MIS	4150
	SPAR MTN, MIS	3301 1970	8			1	0	0			L	4			
	MCCLOSKEY, MIS	3290 1980	8			1	0	0			L	10			
	SALEM, MIS	3672 1980	10			1	0	0			L	20			
ABU 1956, REV 70, ABD 72, REV 80															
SANDOVAL, MARION, 2N, 1E	CYPRESS, MIS	1400 1909	510	36,6	6339,7	156	1	0	12					STP	5023
	BENOIST, MIS	1540 1909	20			1	0	0		37	8	10			
	GENEVA, DEV	2920	480			124	0	0		35	8	20			
REV 1975															
SANDOVAL W, CLINTON, 2N, 1W	CYPRESS, MIS	1420 1946	20	0,0	26,3	2	1	0	1	37	8	4	A	MIS	1604
ABU 1960, REV 1981															
SANTA FE, CLINTON, 1N, 3W	CYPRESS, MIS	955 1944	10	0,0	1,5	1	0	0	0	34	8	10	A	DEV	2542
ABU 1947															
*SCHNELL, RICHLAND, 2N, 9E	AUX VASES, MIS	2956 1938	190	3,4	380,9	19	0	0	9		8	10		MIS	3690
	SPAR MTN, MIS	3090 1974	130			8	0	0			8	15			
	MCCLOSKEY, MIS	3000 1938	10			1	0	0			8	15			
80 7 0 0 39 0,19 OL 5 AC															
SCHNELL E, RICHLAND, 2N, 9E	SPAR MTN, MIS	3101 1978	170	14,6	50,9	12	0	0	9		8	5		MIS	3776
	MCCLOSKEY, MIS	3115 1954	170			6	0	0			8	5			
ABU 1954, REV 1978															
SCIDTA, MCDONOUGH, 7N, 3W	DEVONIAN	519 1960	10	0,0	0,0	1	0	0	0	28	L	16		SIL	760
ABU 1960															
*SEMINARY, RICHLAND, 2N, 10E	MCCLOSKEY, MIS	3195 1945	120	0,1	228,5	9	1	0	1	38	L		MC	MIS	3845
	SALEM, MIS	3750 1981	120			9	1	0			L	4			
ABU 1966, REV 1981															
*SESSER C, FRANKLIN, 5-6S, 1-2E	CYPRESS, MIS	2455 1942	1760	70,4	3760,4	117	6	0	76		8	5	A	DEV	4688
	RENAULT, MIS	2690	50			3	0	0		38	8	10	AL		
	AUX VASES, MIS	2700 1982	340			26	0	0		37	0,17	8	10	AL	
	OHARA, MIS	2675 1951	1320			78	3	0		36	0,17	8	10	AL	
	SPAR MTN, MIS	2810 1944	120			2	0	0			L	8	A		
	MCCLOSKEY, MIS	2840	8			5	0	0			L	10	AC		
	ST. LOUIS, MIS	3002 1957	6			6	1	0		39	L	5	AC		
	CLEAR CREEK, DEV	4360 1949	20			2	1	0		37	L	20	AC		
150 10 1 0 40															
SHARPSBURG, CHRISTIAN, 14N, 2W	DEVONIAN	1974 1974	40	0,0	6,1	3	0	0	2		L	3		SIL	2062
	SILURIAN	1972 1973	30			2	0	0			L	3			
		1990 1974	10			1	0	0			L	3			
*SHATTUC, CLINTON, 2N, 1W	CYPRESS, MIS	1280 1945	300	13,1	632,3	41	5	0	21		8	7	A	ORD	4146
	BENOIST, MIS	1420 1945	150			19	0	0		36	8	13	AL		
	TRENTON, ORD	4020 1948	80			7	0	0		35	8	13	AL		
220 20 5 0 40															

TABLE 8-continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP. OF TH DISC- (FT) OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL			PAY ZONE	DEEPEST TEST
				DUR- ING 1981	TO END OF 1981	COMP- LETED TO 1981	CO- MPL- EYED 1981	AB- AND 1981	PROD- UCING YEAR	SUL- FUR GR, PERC- ENT	KIND OF ROCK	THI- STR- URE		
SHATTUC N, CLINTON, 2N, 1W	BENOIST, MIS	1445 1961	10 ABU 1964	0,0	2,4	1	0	0	0	36	8	7	TRN	4134
SHANNEETOWN, GALLATIN, 98, 9E														
	PALESTINE, MIS	1945	80	0,0	16,9	6	0	0	0				M	MIS 2837
	WALTERSBURG, MIS	1900 1955	40			2	0	0	0	35	8	28	M	
	TAR SPRINGS, MIS	1960 1955	10			1	0	0	0	37	8	12	M	
	CYPRESS, MIS	2375 1956	60			3	0	0	0	37	8	X	M	
	BETHEL, MIS	2400 1968	10			1	0	0	0	38	8	14	M	
	AUX VASES, MIS	2650 1945	10			1	0	0	0	38	8	X	M	
			10			1	0	0	0	38	8	10	MF	
			ABD 1950, REV 1955, ABD 1960, REV 1968, ABD 1969											
SHANNEETOWN E, GALLATIN, 98, 10E														
	WALTERSBURG, MIS	1952	30	0,0	18,3	4	0	0	2				M	MIS 2830
	BETHEL, MIS	1855 1955	10			2	0	0	0	37	8	10		
	AUX VASES, MIS	2480 1955	10			1	0	0	0	37	8	4		
		2660 1952	10			1	0	0	0	38	8	9		
*SHANNEETOWN N, GALLATIN, 98, 10E														
	AUX VASES, MIS	1948	50	0,0	104,9	4	0	0	0				MF	MIS 3131
	MCCLUSKY, MIS	2750 1955	40			3	0	0	0	38	8	20	MF	
		3045 1948	10			1	0	0	0	36	L	6	MF	
			ABU 1953, REV 1955, ABD 1966											
*SHELBYVILLE C, SHELBY, 11N, 4E														
	AUX VASES, MIS	1860 1946	110	1,1	49,0	9	0	0	1	34	8	15	A	MIS 3301
SHUMWAY, EFFINGHAM, 9N, 5E														
	MCCLUSKY, MIS	2223 1965	10 ABU 1969	0,0	3,4	1	0	0	0	37	L	3	M	MIS 2273
SICILY, CHRISTIAN, 13N, 4W														
	SILURIAN	1860 1956	70 ABU 1967	0,0	69,4	6	0	0	0	39	L	16	SIL	1884
SIGEL, EFFINGHAM, 9N, 6E														
	MCCLUSKY, MIS	2350 1981	10	1,7	1,7	1	1	0	1		L	6	M	MIS 2362
*SIGGINS, CUMBERLAND, CLARK, 10-11N, 10-11E, 14W														
	1ST (UP) SIGGINS, PEN	400 1906	4430	X	X	1129	2	0	439				U	TRN 3341
	2ND (LO) SIGGINS, PEN	460	4430			900	2	0		36	8	25	U	
	3RD, 4TH SIGGINS, PEN	580	8			95	0	0		36	8	X	U	
	TRENTON, ORD	3013 1972	10			209	0	0		37	8	40	U	
			10			1	0	0		40	L	67		
			SEE CLARK COUNTY DIVISION FOR PRODUCTION											
SILDAM, BROWN, 2S, 4W														
	SILURIAN	603 1959	280	3,5	252,8	26	0	1	9	37	D	4	AC	STP 1115
*SORENTO C, BOND, 6N, 4W														
	PENNSYLVANIAN	1938	700	1,1	1936,2	58	0	0	5				A	TRN 2684
	LINGLE, DEV	870 1956	80			6	0	0	31		8	20	A	
		1875 1938	640			52	0	0	35		8	8	A	
SORENTO W, BOND, 6N, 4W														
	DEVONIAN	1880 1956	10 ABD 1956	0,0	0,0	1	0	0	0	37	L	X	ORD	2706
SPARTA +, RANDOLPH, 4-5S, 9-6W														
	CYPRESS, MIS	850 1888	20 ABD 1900	0,0	X	2	0	0	0	35	8	7	U	TRN 3130
SPARTA S, RANDOLPH, 5S, 5W														
	CYPRESS, MIS	880 1949	10 ABD 1950	0,0	0,0	1	0	0	0	35	8	8	A	MIS 909
SPRINGERTON, WHITE, 4S, 6E														
	AUX VASES, MIS	3376 1980	20	0,9	1,9	2	1	0	2		8	X	M	MIS 3600

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- OF TH DISC- (FT) OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTEN OF OIL			PAY ZONE	DEEPEST TEST ZONE TH (FT)	
				1981	TO END OF 1981	COMP- LETTED 1981	CO- ETED 1981	AB- AND 1981	PROD- UCING END OF YEAR	SUL- FUR PERC- API ENT	KIND OF ROCK	THI- STR- UCT- URE			
															GR.
SPRINGERTON S, WHITE, 4S, 8E															
AUX VASES, MIS		1976	840	114.4	902.8	65	2	0		97				MIS	4500
OHARA, MIS		3325 1977	720			55	1	0							
SPAR MTN, MIS		3424 1978	160												
MCCLOSKEY, MIS		3440 1976	#			1	0	0							
SALEM, MIS		3494 1978	#			4	0	0							
ULLIN, MIS		4290 1977	10			6	2	0							
		4385 1977	20			1	0	0							
						2	0	0							
SPRINGFIELD E, SANGAMON, 15N, 4W															
HIBBARD, DEV		1960	230	2.6	338.1	22	0	0		5				M	SIL 1705
SILURIAN		1625 1960	10			1	0	0		37				S	4 U
		1600 1960	220			22	0	0		39				D	12 H
SPRING GARDEN, JEFFERSON, 4S, 3E															
MCCLOSKEY, MIS		3090 1977	280	60.6	388.7	16	1	0		14				OL	10 MIS 3942
*STAUNTON S, MACOUPIN, 7N, 7W															
PENNSYLVANIAN		515 1952	30	0.0	4.1	2	0	0		1	35			S	11 A OHO 2371
*STAUNTON W, MACOUPIN, 7N, 7W															
PENNSYLVANIAN		505 1954	260	5.2	139.5	27	0	0		16	35			S	10 SIL 1512
*STEWARDSON, SHELBY, 10N, 5E															
AUX VASES, MIS		1939	330	17.0	979.1	28	0	0		22					DEV 3414
SPAR MTN, MIS		1945 1939	330			27	0	0		38	0.18			S	9 A
		2021 1958	70			5	0	0		37				S	4 A
STEWARDSON E, SHELBY, 9-10N, 6E															
AUX VASES, MIS		1963	30	0.4	21.1	3	0	0		2					MIS 2280
SPAR MTN, MIS		2177 1963	10			1	0	0		38				S	6
		2197 1963	30			3	0	0		37				S	6
STEWARDSON W, SHELBY, 10N-5E															
BENOIST, MIS		1920 1970	10	0.0	0.0	1	0	0		0				S	5 MIS 2102
			ABU 1971												
STIRITZ, WILLIAMSON, 8S, 2E															
BETHEL, MIS		2470 1976	110	10.3	204.6	7	0	0		5					DEV 4669
AUX VASES, MIS		2525 1971	40			2	0	0						S	4
			70			5	0	0						S	6
*STORMS C S, WHITE, 5-6S, 9-10E															
PENNSYLVANIAN		1939	4700	218.8	21544.8	437	0	1		164					AM DEV 5308
BIHEL, PEN		1320 1954	340			10	0	0		29				S	10 A
DEGONIA, MIS		1840 1951	#			16	0	0		35				S	4 AF
CLORE, MIS		2090 1954	180			13	0	0		35				S	7 AL
PALESTINE, MIS		2100 1954	250			30	0	0		35				S	10 AL
WALTERSBURG, MIS		2150 1941	70			6	0	1		35				S	12 AL
TAR SPRINGS, MIS		2230 1939	2720			248	0	0		32	0.28			S	13 AL
HARDINGSBURG, MIS		2340 1948	300			28	0	0		37				S	10 MF
CYPRESS, MIS		2476 1959	20			2	0	0		37				S	9 MF
BETHEL, MIS		2700 1946	330			22	0	0		34				S	10 MF
RENAULT, MIS		2810	40			4	0	0		37				S	X MF
AUX VASES, MIS		2990	20			2	0	0		39				L	5 A
OHARA, MIS		3000 1946	1020			76	0	0		35				S	13 AF
SPAR MTN, MIS		3095	290			9	0	0		35				L	10 AC
MCCLOSKEY, MIS		3115 1950	#			9	0	0		34				L	2 AC
SALEM, MIS		3055	#			9	0	0						L	5 MC
		3738 1966	10			1	0	0						L	6
*STRINGTOWN, RICHLAND, 4-SN, 11E, 14W															
STE. GEN, MIS		3025 1941	700	49.8	1658.4	47	10	0		10	40	0.24	DL	S	AC MIS 3651
			ABU 1975, REV 1981												
STRINGTOWN E, RICHLAND, 4N, 14W															
SPAR MTN, MIS		1948	130	4.8	6.8	8	7	0		7					MIS 3175
MCCLOSKEY, MIS		3040 1981	130			6	6	0						S	5
		3010 1948	#			2	1	0		37				L	4
			ABU 1950, REV 1981												

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (= SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST DEPTH (FT)		
				1981	END OF 1981	COMP- LETED END OF 1981	CO- MPL- IN 1981	AS- AND- ONED 1981	PROD- UCING END OF YEAR	SUL- FUR PERC- ENT	PAY ZONE			STR- UCT- URE	
STRINGTOWN S, RICHLAND, 4N-14W															
SPAR MTN, MIS		3117 1970	40	1.0	1.2	4	1	0	1		S	S	MIS	3786	
ABU 1976, REV 1981															
STUBBLEFIELD S, BOND, 4N, 3W															
PENNSYLVANIAN		1955	130	8.9	79.3	11	0	0	9		S	S	DEV	2455	
CYPRESS, MIS		540 1974	40			3	0	0			S	S			
DEVONIAN		985 1955	10			1	0	0	35		S	S			
		2185 1963	100			7	0	0	37		L	L			
ABU 1956, REV 1963, ABU 1965, REV 1974															
SUMNER, LAWRENCE, 4N, 13W															
MCCLUSKY, MIS		2260 1944	20	0.5	17.1	2	0	0	1	39	L	L	MC	MIS	2365
ABU 1953, REV 1979															
SUMNER CEN, LAWRENCE, 4N, 13W															
SPAR MTN, MIS		2544 1966	10	0.0	0.0	1	0	0	0	37	L	L	MIS	3100	
ABU 1968															
SUMNER S, LAWRENCE, 3N, 13W															
AUX VASES, MIS		1964	80	7.7	7.7	7	2	0	3		S	S	MIS	2990	
SPAR MTN, MIS		2620 1964	70			6	1	0	36		S	S			
		2670 1961	10			1	1	0			S	S			
ABU 1969, REV 1980															
SUMPTER, WHITE, 4S, 9E															
DEGONIA, MIS		1945	370	12.7	446.5	26	0	0	14				A	ORD	7652
CLORE, MIS		2140 1975	10			1	0	0			S	S			
TAR SPRINGS, MIS		2195 1975	20			2	0	0			S	S			
HARDINSBURG, MIS		2575 1945	290			20	0	0	37		S	S	AF		
CYPRESS, MIS		2655 1951	10			1	0	0	36		S	S	AF		
OHARA, MIS		2860 1948	70			9	0	0	37		S	S	AF		
		3222 1960	10			1	0	0	36		L	L	A		
*SUMPTER E, WHITE, 4-5S, 10E															
CYPRESS, MIS		1951	1610	43.8	2920.3	101	0	0	38				A	MIS	4204
BETHEL, MIS		2795	220			18	0	0	37		S	S	AL		
AUX VASES, MIS		2922 1960	20			2	0	0	35		S	S	A		
OHARA, MIS		3020 1952	420			28	0	0	39		S	S	AL		
SPAR MTN, MIS		3115 1951	1110			46	0	0	36		L	L	AC		
MCCLUSKY, MIS		3140 1952	8			18	0	0	36		L	L	AC		
		3150	8			3	0	0	33		L	L	AC		
*SUMPTER N, WHITE, 4S, 9E															
AUX VASES, MIS		1952	280	4.2	693.9	20	0	1	8		S	S	NL	DEV	5500
MCCLUSKY, MIS		3185 1952	240			16	0	1	37		OL	OL			
ULLIN, MIS		3312 1974	10			1	0	0			L	L			
		4230 1975	30			3	0	0			L	L			
*SUMPTER S, WHITE, 4-5S, 9E															
TAR SPRINGS, MIS		1948	270	21.2	961.5	31	2	0	10		S	S	AF	MIS	3430
BETHEL, MIS		2580 1948	140			15	2	0	34		S	S	AF		
AUX VASES, MIS		3025	10			1	0	0	35		S	S	AF		
		3260	210			16	0	0	37		S	S	AF		
SUMPTEN W, WHITE, 4S, 9E															
AUX VASES, MIS		1952	30	1.7	28.4	3	0	0	2		S	S	NL	MIS	4050
OHARA, MIS		3165 1952	20			2	0	0	37		L	L			
		3244 1980	10			1	0	0			L	L			
ABU 1964, REV 1969															
*TAMARCA, PERRY, 4S, 1W															
CYPRESS, MIS		1942	340	4.5	457.5	22	0	0	8		S	S	AL	TNN	4287
TRENTON, ORD		1120 1942	230			17	0	0	30	0.12	S	S			
		4135 1964	110			6	0	0	38		L	L			
*TAMARCA S, PERRY, 4S, 1W															
CYPRESS, MIS		1155 1957	250	6.6	340.9	20	0	0	12	28	S	S	MIS	1385	
TAMARCA W, PERRY, 4S, 2W															
CYPRESS, MIS		1100 1956	20	0.0	2.5	3	0	0	1	34	S	S	DEV	2902	

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR OF DISC- OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL		PAY ZONE	DEEPEST TEST	
				DUR- ING 1981	TO END OF 1981	COMP- LETD TO END OF 1981	CO- AB- ETED AND 1981	PROO- UCING END OF YEAR	SUL- FUR GR, PERC- API	PAY ZONE	STR- UCT- ZONE			DEP- TH (FT)
TAYLOR HILL, FRANKLIN, 58, 4E														
	OHARA, MIS	1949	180	13.3	170.3	16	0	0	10	37	L	4	MIS	4100
	SALEM, MIS	1979	80			6	0	0			L	6		
	ULLIN, MIS	1961	10			1	0	0			L	6		
			160			9	0	0		38	L	15		
	ABD 1968, REV 1977													
TEUTOPOLIS, EFFINGHAM, 8N, 6E														
	SPAR MTN, MIS	1966	170	20.7	173.8	12	0	0	9		L	5	MIS	2845
	MCCLOSKEY, MIS	1966	170			11	0	0			OL	4		
	ST LOUIS, MIS	1967	#			2	0	0		38	L	4		
			40			3	0	0		39	L	4		
TEUTOPOLIS S, EFFINGHAM, 8N, 6E														
	SPAR MTN, MIS	1968	50	0.1	20.0	3	0	0	2		S	4	MIS	2950
	MCCLOSKEY, MIS	1968	50			2	0	0			OL	5		
			#			2	0	0						
*THACKERAY, HAMILTON, 58, 7E														
	CYPRESS, MIS	1944	840	16.0	4436.3	76	0	0	30	36	S	24	A	DEV
	AUX VASES, MIS	1944	30			3	0	0		37	S	13	AL	5611
	OHARA, MIS	1946	760			68	0	0			L	5	AC	
	MCCLOSKEY, MIS	1946	120			1	0	0		37	L	10	AC	
			#			6	0	0						
THOMPSONVILLE, FRANKLIN, 75, 4E														
	OHARA, MIS	1940	410	9.3	411.7	39	1	0	11		L	4	DEV	5400
	SPAR MTN, MIS	1967	340			9	1	0			LS	4		
	MCCLOSKEY, MIS	1940	#			1	0	0			L	8	A	
	ST LOUIS, MIS	1967	80			19	0	0		38	L	10		
			80			10	0	0		39	L	10		
	ABD 1947, REV 1967													
*THOMPSONVILLE E, FRANKLIN, 78, 4E														
	AUX VASES, MIS	1949	180	5.6	634.6	14	0	0	1	38	S	8	ML	MIS
														3371
*THOMPSONVILLE N, FRANKLIN, 78, 4E														
	CYPRESS, MIS	1944	870	17.1	3837.9	87	0	0	12	37	S	10	A	MIS
	AUX VASES, MIS	1944	20			1	0	0		35	S	20	AL	3498
			860			86	0	0			S			
TILDEN, RANDOLPH, 43, 5W														
	SILURIAN	1952	610	36.2	4575.4	39	0	0	30	40	L	60	K	ORD
														3093
TILDEN N, ST CLAIR, WASHINGTON, RANDOLPH, 3-48, 5-6W														
	DEVONIAN	1968	520	24.5	897.4	33	2	0	34			29		ORD
	SILURIAN	1981	10			1	1	0			L	70	K	2810
		1968	510			32	1	0		42				
TOLIVER E, CLAY, 5N, 6-7E														
	CYPRESS, MIS	1943	210	11.4	292.5	17	3	0	11	36	S	14	M	MIS
	AUX VASES, MIS	1959	10			1	0	0		36	S	4	M	3519
	SPAR MTN, MIS	1967	50			4	0	0		36	L	6	MC	
	MCCLOSKEY, MIS	1943	140			6	2	0		35	OL	8	MC	
			#			6	1	0						
TOLIVER S, CLAY, 4N, 6E														
	AUX VASES, MIS	1953	70	0.0	97.6	4	0	0	0	36	S		M	MIS
	MCCLOSKEY, MIS	1953	10		21.0	1	0	0		34	L	5	MC	2915
		1956	60		37.0	3	0	0						
	ABU 1964													
*TONTI, MARION, 2-3N, 2E														
	BENDIST, MIS	1939	570	78.5	14307.9	107	0	0	63	36	S	20	U	ORD
	AUX VASES, MIS	1939	140			18	0	0		37	S	30	U	4900
	SPAR MTN, MIS	1939	180			26	0	0			LS	12	U	
	MCCLOSKEY, MIS	1939	650			16	0	0			OL	15	U	
	DEVONIAN	1939	#			73	0	0		38	D	7	H	
		1939	80			7	0	0		37				

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH OF (FT) OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs			NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST	
				1981	1981	TO END OF 1981	COM- PLET- ED TO 1981	CO- MPL- ETED 1981	AS- AND 1981	PROD- UCING YEAR	BUL- FUR ENT	KIND ROCK			THI- STR- UCT- URE

TOVEY, CHRISTIAN, 13N, 3W															
SILURIAN															
		1850 1955	10	0,0	28,0	1	0	0	0	38	L	10	SIL	1881	
ABU 1973															
*TRUMBULL C, WHITE, 5S, 8-9E															

		1944	1540	32,6	3857,6	117	2	1	57				A	MIS	4285
PENNSYLVANIAN		830 1974	10			1	0	0				S	12		
TAR SPRINGS, MIS		2528 1962	30			2	0	0	35			S	5		
CYPRESS, MIS		2845 1944	420			32	0	0	36			S	10	A	
BETHEL, MIS		2955 1959	50			2	0	0	37			S	9	A	
AUX VASES, MIS		3170 1946	930			43	1	0	36			S	9	A	
OHARA, MIS		3230	700			19	0	0	36			L	15	AC	
SPAR MTN, MIS		3270 1946	#			14	1	0				L	6	AC	
MCCLOSKEY, MIS		3290 1947	#			20	0	0				L	5	AC	
ULLIN, MIS		4110 1978	10			1	0	1				L	20		
*TRUMBULL N, WHITE, 4S, 8E															

		1961	250	32,3	109,6	19	2	1	15					MIS	4960
AUX VASES, MIS		3325 1961	200			14	2	0	36			S	6		
OHARA, MIS		3420 1979	50			1	0	0				L	4		
MCCLOSKEY, MIS		3466 1961	#			4	0	1	37			OL	16		
ABU 1966,REV 1979															
TURKEY BEND, PERRY, 4S, 2W															

TRENTON, ORD															
		3940 1957	30	2,3	59,7	2	0	0	2	39	L	1	ORD	4044	
*VALIER, FRANKLIN, 6S, 2E															

		1942	120	6,7	128,3	7	1	0	3					MIS	2900
AUX VASES, MIS		2685 1963	110			6	1	0	39			S	7		
MCCLOSKEY, MIS		2715 1942	10			1	0	0	39			L	12	ML	
ABU 1945,REV 1963															
VERGENNES, JACKSON, 7S, 2W															

DEVONIAN															
		3300 1975	90	6,2	18,5	6	1	0	6	39	L	10	ORD	7094	
VIRDEN W, MACOUPIN, 12N, 7W															

DEVONIAN															
		1361 1963	30	0,0	0,0	2	0	0	0	38	L	20	DEV	1390	
ABU 1971															
WAGGONER S, MONTGOMERY, 11N, 5W															

POTTSVILLE, PEN															
		610 1940	40	0,0	12,0	7	0	0	1	28	0,21	8	10	SIL	1945
ABU 1949,REV 59,ABU 60,REV 63,ABU 64,REV 77															
WAKEFIELD, JASPER, 5N, 9E															

SPAR MTN, MIS															
		3100 1946	40	0,0	1,7	2	0	0	0	38	L	5	MIS	3207	
ABU 1947, REV 1953, ABU 1954															
WAKEFIELD N, JASPER, 5N, 9E															

MCCLOSKEY, MIS															
		3000 1953	10	0,0	23,2	1	0	0	0	37	L	6	MIS	3204	
ABU 1958															
WAKEFIELD S, RICHLAND, 5N, 9E															

		1955	90	0,2	7,4	7	2	0	2					MIS	3803
SPAR MTN, MIS		3040 1981	40			1	1	0				S	4		
MCCLOSKEY, MIS		3040 1955	#			5	0	0	37			L	4		
SALEM, MIS		3540 1981	10			1	1	0				L	5		
ABU 1955,REV 1969,ABU 1974,REV 1981															
*WALPOLE, HAMILTON, 6-7S, 6E															

		1941	2180	13,5	10556,2	134	0	1	58				A	DEV	5325
TAR SPRINGS, MIS		2465	110			7	0	0	37			S	15	AL	
BENDIST, MIS		2962 1979	10			1	0	0				S	8		
AUX VASES, MIS		3070 1941	2060			121	0	0	37	0,13		S	20	A	
OHARA, MIS		3152 1979	200			1	0	0	37			L	4	A	
SPAR MTN, MIS		3195 1954	#			3	0	0				L	7	AC	
MCCLOSKEY, MIS		3162 1960	#			11	0	1	37			OL	7	AC	
ST, LOUIS, MIS		3544 1960	20			2	0	0	38			L	8	AC	
SALEM, MIS		4058 1979	10			1	0	0				L	16		
*WALPOLE S, HAMILTON, 7S, 6E															

AUX VASES, MIS															
		3120 1951	40	0,0	123,3	2	0	0	0	37	S	6	AL	MIS	3362
ABU 1975															
WALTONVILLE, JEFFERSON, 3S, 2E															

		1943	60	1,6	144,2	5	0	0	3				A	MIS	3375

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR	AREA	PRODUCTION		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST
				M BBLs	PRO- M BBLs	COMP- CO- LETED MPL- AB- PROD- UCING	PERC- ENT	SUL- FUR	KIND	THI- STR- UCT- URE			
NAME AND AGE	DEP- TH	OF DISC- VERY	ACRES	1981	1981	1981	1981	1981	1981	1981	1981	1981	(FT)
(CONTINUED FROM PREVIOUS PAGE)													
WALTONVILLE, JEFFERSON, 38, 2E													
BENOIST, MIS	2460	1943	30			4	0	0	38	0.14	8	9	A
ST. LOUIS, MIS	2767	1962	10			1	0	0	37		L	14	
*WAMAC, MARION, CLINTON, WASHINGTON, 1N, 1E, 1W													
		1921	310	4.5	696.8	120	1	0	2				UP
PETRO, PEN	720	1921	300			118	1	0	36		8	20	UP
DEVONIAN	3015	1959	10			1	0	0	38		L	9	UP
WAMAC E +, MARION, 1N, 1E													
ISABEL, PEN	845	1952	140	1.5	54.8	11	0	0	3	30	8	15	ML
PAY ZONE IS ISABEL (WILSON SAND), PEN													
*WAMAC W, CLINTON, 1N, 1W													
		1962	260	18.1	1037.8	28	0	0	22				DEV
CYPRESS, MIS	1312	1962	130			15	0	0	35		8	8	
BENOIST, MIS	1466	1962	130			13	0	0	36		8	12	
WAPELLA E, DEWITT, 21N, 3E													
		1962	350	51.8	3150.0	36	0	0	36				STP
DEVONIAN	1108	1963	30			3	0	0	31		L	5	
SILURIAN	1112	1962	350			36	0	0	31		D	6	N
*WARRENTON-BURTON, EDGAR, COLES, 13-14N, 13-14W													
UNNAMED, PEN	200	1906	590	0.4	32.5	57	7	0	11	31	8	20	ML
WATERLOO, MONROE, 1-2S, 10W													
TRENTON, ORD	410	1920	670	5.4	299.9	78	18	0	39	30	0.97	L	50
ADD 1930, REV 1939, CONVERTED IN PART TO GAS STORAGE 1951													
WATSON, EFFINGHAM, 7N, 5-6E													
		1957	30	0.9	62.5	3	0	0	1				MIS
SPAR MTN, MIS	2415	1957	30			2	0	0			8	5	
MCCLOSKEY, MIS	2434	1958	#			1	0	0	38		L	11	
WATSON W, EFFINGHAM, 7N, 5E													
AUX VASES, MIS	2208	1965	10	0.5	14.4	1	0	0	1	39	8	12	MIS
WAYERLY +, MORGAN, 13N, 8W													
DEV-SIL	1020	1946	20	0.0	0.0	1	0	0	0		L	10	A
ADD GAS STORAGE IN ST PETER AND GALESVILLE													
WAYNE CITY, WAYNE, 2S, 6E													
SALEM, MIS	3974	1978	30	1.2	4.6	3	0	1	2		L	28	DEV
WEAVER, CLARK, 11N, 10W													
		1949	570	14.5	2426.6	46	0	0	28				DEV
COLE, MIS	1565	1953	30			1	0	0	30		8	5	U
DEVONIAN	2030	1949	540			44	0	0	37		L	10	K
*WEST FRANKFORT C, FRANKLIN, 7S, 2-3E													
		1941	1710	66.1	7626.0	152	0	1	52				A
TAR SPRINGS, MIS	2060	1941	680			70	0	1	39	0.13	8	20	A
AUX VASES, MIS	2710	1947	420			37	0	0	38		8	20	AL
OHARA, MIS	2760	1943	830			44	0	0	38		L	8	AC
SPAR MTN, MIS	2810		#			6	0	0			L	8	AC
MCCLOSKEY, MIS	2825	1947	#			21	0	0	38		L	14	AC
ST LOUIS, MIS	3161	1980	10			1	0	0			L	2	
*WEST SEMINARY, CLAY, 2N, 7E													
		1959	320	0.0	819.9	29	0	0	2				MC
AUX VASES, MIS	2972	1959	230			18	0	0	37		8	10	MC
SPAR MTN, MIS	3059	1959	290			3	0	0			L	6	MC
MCCLOSKEY, MIS	3068	1959	#			14	0	0	38		OL	12	MC
*WESTFIELD, CLARK, COLES, 11-12N, 11E-14W													
		1904	9720	X	X	1903	18	1	303				U
(CONTINUED ON NEXT PAGE)													

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR OF OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE			DEEPEST TEST DEPTH (FT)
				1981	1981	CUMP- LETED 1981	CO- MPL- 1981	AS- AND- 1981	PROD- UCING END OF YEAR	SUL- FUR PERC- API	KIND OF MUCK	THI- CKN- ESS	STR- UCT- UNE	
(CONTINUED FROM PREVIOUS PAGE)														
*WESTFIELD, CLARK, COLES, 11-12N, 11E-14W														
GAS, PEN		280	1640			262	4	0		28	S	25	U	
WESTFIELD, MIS		335	9180			69	12	1		32	L	1	U	
CAMPER, MIS		875	600			31	2	0		38	S	18	U	
TRENTON, OHIO		2300	1710			87	0	0		38	0.18	L	40	U
SEE CLARK COUNTY DIVISION FOR PRODUCTION														
*WESTFIELD E *, CLARK, 11-12N, 14W														
PENNSYLVANIAN		400 1947	310	0.3	13.1	45	0	0		32	28	8	11	ML MIS 795
WESTFIELD N, COLES, 12N, 14W														
PLEASANTVIEW, PEN		275 1949	20	0.0	0.4	2	0	0		0				PEN 611
PENNSYLVANIAN		490 1949	20		0.4	1	0	0		28	8	5		
			#			1	0	0			8	10		
APR 1957														
*WHITEASH, WILLIAMSON, 88, 2E														
AUX VASES, MIS		2464 1972	70	1.6	30.1	5	0	0		4				MIS 2651
OHARA, MIS		2532 1972	60			4	0	0			S	12		
			20			2	0	0			L	8		
*WHITTINGTON, FRANKLIN, 58, 3E														
HARDINSBURG, MIS		2510 1939	1190	71.5	2980.2	88	4	0		54				OHIO 6155
CYPRESS, MIS		2535 1948	430			28	0	0		38	S	10	A	
BETHEL, MIS		2612 1961	260			18	1	0		35	S	10	A	
AUX VASES, MIS		2735	60			3	0	0		38	S	4	A	
OHARA, MIS		2835	120			11	0	0		38	S	15	A	
SPAR MTN, MIS		2880	420			13	0	0		37	L	10	AC	
MCCLUSKY, MIS		2870 1939	#			8	0	0		38	0.24	L	10	AC
ST. LOUIS, MIS		3080 1939	80			9	0	0		38	0.24	L	9	AC
SALEM, MIS		3300 1977	60			5	0	0			L	10		
ULLIN, MIS		3560 1977	20			1	0	0			L	7		
DEVONIAN		4900 1981	60			3	3	0				15		
*WHITTINGTON S, FRANKLIN, 5-68, 3E														
CYPRESS, MIS		2580 1950	120	2.7	483.6	10	0	0		10	35	8	10	A MIS 3904
*WHITTINGTON W, FRANKLIN, 58, 2-3E														
BENOIST, MIS		2615 1943	670	0.0	1571.2	38	0	0		2				MIS 3535
RENAULT, MIS		2700 1939	10			1	0	0		36	S	10	AL	
AUX VASES, MIS		2700 1944	480			21	0	0		37	L	1	A	
OHARA, MIS		2800 1943	140			13	0	0		38	S	15	AL	
SPAR MTN, MIS		2780 1947	#			5	0	0			L	5	AC	
MCCLUSKY, MIS		2900	#			2	0	0			L	4	AC	
						3	0	0		36	L	6	AC	
*WILBERTON, FAYETTE, 5N, 2-3E														
BORDEN, MIS		2628 1959	1070	15.7	1855.5	58	0	0		36				OHIO 4528
CAMPER, MIS		3203 1961	10			1	0	0		35	S	38		
LINGLE, DEV		3466 1959	1060			46	0	0		37	S	39		
			60			5	0	0		28	S	4		
*WILLIAMS C, JEFFERSON, 2-38, 2E														
BENOIST, MIS		2490 1948	490	12.7	1429.1	45	0	0		31				DEV 4578
AUX VASES, MIS		2550 1949	230			17	0	0		39	S	10	AL	
MCCLUSKY, MIS		2600	400			29	0	0		37	S	5	AL	
			10			1	0	0		37	L		AC	
*WUBURN C, BOND, 6-7N, 2W														
CYPRESS, MIS		865 1940	1450	27.7	4625.9	142	1	0		51				OHIO 3290
BENOIST, MIS		1020 1940	310			20	0	0		35	S	8	AL	
RENAULT, MIS		1047 1958	340			38	0	0		36	0.20	S	10	AL
AUX VASES, MIS		1055 1956	10			1	0	0		36	L	1	AL	
LINGLE, DEV		2275 1949	140			5	0	0		36	S	10	AL	
TRENTON, OHIO		3170 1947	720			57	1	0		35	S	8	AC	
			360			24	0	0		39	0.27	L	12	A
*WOODLAWN, JEFFERSON, 2-38, 1-2E														
TAR SPRINGS, MIS		1440 1940	1920	57.6	18403.5	199	5	0		71				OHIO 5101
CYPRESS, MIS		1800 1943	30			3	0	0		37	S	10	AL	
BENOIST, MIS		1960 1940	1880			180	5	0		37	0.16	S	45	AL
AUX VASES, MIS		1975 1945	270			24	0	0		38	S	10	A	

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (a SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- OF TH QVRY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL		PAY ZONE	DEEPEST TEST
				TO 1981	TO END OF 1981	LET- TO 1981	ETED AND 1981	AB- AND 1981	PROD- UCING END OF YEAR	SUL- FUR PERC API	ENT		
(CONTINUED FROM PREVIOUS PAGE)													
*WOODLAWN, JEFFERSON, 2-38, 1-2E													
SPAR MTN, MIS		2205 1947	240			15	0	0		38		L 15	A
MCCLOSKEY, MIS		2200 1948	#			1	0	0				L 3	A
LINGLE, DEV		3690 1945	70			11	0	0		37		S 6	A
WOODLAWN N, JEFFERSON, 28, 2E													
MCCLOSKEY, MIS		2304 1979	10	X	X	1	0	0	1			L 5	MIS 2444
WOODLAWN S, JEFFERSON, 38, 1E													
SALEM, MIS		2910 1981	40	1,9	1,9	2	2	0	2			L 8	MIS 3125
XENIA, CLAY, 2N, 5E													
AUX VASES, MIS		1941	120	0,0	46,7	8	0	0	3				DEV 4745
CARPER, MIS		2785 1941	10			1	0	0		35	0,19	S 13	A
		4230 1962	110			7	0	0		38		S 12	
XENIA E, CLAY, 2N, 5E													
CYPRESS, MIS		1951	300	6,1	938,3	30	1	0	11				A
BENOIST, MIS		2500 1951	260			18	0	0		37		S 6	AL
RENAULT, MIS		2710	110			9	0	0		35		S 6	AL
AUX VASES, MIS		2755 1959	20			2	0	0		35		S 15	AL
MCCLOSKEY, MIS		2741 1960	30			3	0	0		35		S 10	A
		2900 1981	10			1	1	0				L 7	
YALE, JASPER, 8N, 11E													
AUX VASES, MIS		1966	290	42,8	140,1	20	4	1	17				SIL 3637
SPAR MTN, MIS		1650 1981	10			1	1	0				S 4	
MCCLOSKEY, MIS		2070 1966	280			11	2	1				L 10	
		2140 1966	#			10	2	1		37		L 6	
*YORK, CUMBERLAND, CLARK, 9-10N, 10-11E, 14W													
ISABEL, PEN		590 1907	410	X	X	79	0	0	8	31		S 15	AM DEV 2642
SEE CLARK COUNTY DIVISION FOR PRODUCTION, ABD 1945, REV 1950													
*ZEIGLER, FRANKLIN, 7S, 2E													
AUX VASES, MIS		2614 1963	350	10,4	2144,5	34	0	0	32	37		S 19	MIS 3030
ZENITH, WAYNE, 2N, 5E													
MCCLOSKEY, MIS		1948	50	0,6	25,2	5	0	0	0				MIS 3601
ST LOUIS, MIS		2970 1948	40			4	0	0		38		L 7	AC
		3088 1969	10			1	0	0				L 6	
ABD 1956, REV 69, ABD 70, REV 73, ABD 80													
*ZENITH E, WAYNE, 1N, 6E													
SPAR MTN, MIS		1965	320	3,4	544,0	20	6	1	16				MIS 4102
MCCLOSKEY, MIS		3170 1965	250			14	0	1		37		L 10	
ST LOUIS, MIS		3200 1981	40			3	3	0				L 4	
SALEM, MIS		3270 1981	20			1	1	0				L 4	
		3945 1981	10			2	2	0				L 4	
*ZENITH N, WAYNE, 2N, 6E													
SPAR MTN, MIS		1951	440	23,6	1502,0	33	0	0	20				N
MCCLOSKEY, MIS		3080 1951	290			15	0	0		38		L 6	NC
SALEM, MIS		3140 1951	#			7	1	0				L 4	NC
		3634 1972	250			16	0	1				L 6	NC
ZENITH S, WAYNE, 1N, 5E													
OHARA, MIS		1949	300	0,0	765,9	15	0	0	0				M 3827
MCCLOSKEY, MIS		2920	300			2	0	0				L 6	MC
		2985 1949	#			13	0	0		37		L 7	MC
ABD 1966, REV 1967, ABD 1970													

TABLE 9. Illinois gas field statistics, 1981

Field, county; location by township and range		Pay zone	Year of discovery	Area proved in acres	Gas production million cu ft	Number of wells	Pay zone	Deepest test					
Name and age		Depth (ft)			During 1981	To end of 1981	Completed to end of 1981	Completed in 1981	Abandoned 1981	Producing end of year	Kind of rock, average thickness in feet, structure	Zone	Depth (ft)
Field: N, North; S, South; E, East; W, West; C, Consolidated. Fields located in two or more counties have county names listed in order of discovery.													
Age: Pc, Precambrian; Cam, Cambrian; Ord, Ordovician; Shk, Shakopee; St. P, St. Peter; Trn, Trenton; Sil, Silurian; Dev, Devonian; Mis, Mississippian; Pen, Pennsylvanian.													
Kind of rock: D, dolomite; L, limestone; LS, sandy limestone; S, sandstone.													
Abd: Field abandoned. Rev: Field revived.													
Structure: A, anticline; D, dome; F, faulting an important factor in gas accumulation; F, faulting a minor factor in gas accumulation; L, lens; M, monocline; R, reef; X, structure not determined. Combinations of the letters are used where more than one factor applies.													
x Correct figure not determinable.													
* Field also listed in table 8 (oil production).													
† From oil wells.													
†† Gas storage project.													
Albion C*; Edwards, White; 3S; 10E													
Pennsylvanian		1,490	1940	50	0	0	0	0	0	0	S 6 MF	Dev	5,185
Alhambra; Madison; 5N; 6W													
Pennsylvanian		600	1974	20	0	0	1	0	0	0	S 6 X	Sil	2,005
Amity S*; Richland; 4N; 14W													
Spar Mtn		2,910	1981	10	0	0	1	1	0	0	S 3	Mis	3,071
Ashmore E*; Edgar; 13N; 14W													
Pennsylvanian		367	1973	20	0	0	2	0	0	0	S 22 X	Dev	1,228
Ashmore S*††; Clark, Coles; 12N; 10-11E, 14W													
Unnamed, Pen		430	1958	460	0	x	23	0	0	0	A	Trn	2,260
Osage, Mis		385	1963	440			22				S x A		
				20			1				S x X		
Ava-Campbell Hill*; Jackson; 7S; 3-4W													
Cypress, Mis		780	1916	370	0	x	20	0	0	0	S 18 A	Trn	3,582
Abd 1943; rev (oil) 1956; abd 1957													
Ayers Gas; Bond; 6N; 3W													
Benoist, Mis		940	1922	325	0	298.7	21	0	0	0	S 5 A	Ord	3,044
Abd 1950													
Beaver Creek N*; Bond; 4N; 2W													
Benoist, Mis		1,132	1965	40	0	0	1	0	0	0	S x X	Dev	2,556
Beaver Creek NE Gas††; Bond; 4N; 2W													
Benoist, Mis		1,126	1961	70	0	x	7	0	0	0	S 5	Sil	2,487
Beaver Creek S*; Bond, Clinton; 3-4N; 2W													
Cypress, Mis		1,015	1946	280	0	0	8	0	0	0	S 20 A	Sil	2,606
Beckemeyer Gas*; Clinton; 2N; 3W													
Cypress, Mis		1,070	1956	90	0	0	2	0	0	0	S 23	Sil	2,730
Benoist, Mis		1,155	1975	80			1				S 13		
				10			1						
Abd 1958; rev 1975													
Bellair*; Crawford; 8N; 14W													
Carper, Mis		1,772	1970	10	0	0	1	0	0	0	S 45	Dev	2,732
Beverly Gas; Adams; 3S; 5W													
Silurian		450	1957	80	0	0	2	0	0	0	L 6 X	St. P	840
Black Branch E*; Sangamon; 15N; 4W													
Silurian		1,695	1969	20	0	0	1	0	0	0	L 23	Sil	1,755
Boulder*; Clinton; 2-3N; 2W													
Geneva, Dev		2,630	1941	320	0	0	4	0	0	0	D 7 R	Trn	3,813
Abd 1965													

TABLE 9--continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pay zone			Deepest test		
	Name and age	Depth (ft)			During 1981	To end of 1981	Completed to end of 1981	Com- pleted in 1981	Aban- doned 1981	Pro- ducing end of year	Kind of rock, average thickness			Zone	Depth (ft)
											in feet, structure				
Boulder E*; Clinton; 3N; 1W															
			1957	90	0	0	3	1	0	0				Sil	2,946
	McClosky, Mis		1981	10			1	1			L	5			
	Devonian	2,840	1957	80			3	1			L	12	X		
							Abd 1957; Rev 1981								
Carlinville*; Macoupin; 9N; 7W															
	Unnamed, Pen	365		60	0	0	6	0	0	0	S	x	X	Mis	1,380
							Abd 1925; rev 1942								
Carlinville N*; Macoupin; 10N; 7W															
	Pottsville, Pen	440	1941	40	0	0	1	0	0	0	S	10	X	Trn	1,970
							Abd 1954								
Carlyle*; Clinton; 2N; 3W															
	Cypress, Mis	1,015	1958	20	0	x	2	0	0	0	S	x	AL	St. P	4,120
Casey*; Clark															
	Casey, Pen	440		x	0	x	x	0	0	0	S	x	AM	Trn	2,608
Claremont; Richland; 3N; 14W															
	Spar Mtn, Mis	3,200	1950	160	0	0	1	0	0	0	L	5	MC	Mis	4,065
							Abd 1952								
Cooks Mills C*††; Coles, Douglas; 14N; 7-8E															
			1941	950	0	1,895.4	23	0	0	0			A	Dev	3,059
	Cypress, Mis	1,600		680			14				S	10	A		
	Aux Vases, Mis	1,800		40			1				S	8	A		
	Spar Mtn, Mis	1,765		450			6				S	15	A		
Cooperstown; Brown; 1S; 2W															
	Silurian	516	1977	30	0	0	3	1	0	0	L	6	X	Sil	575
Corinth S; Williamson; 9S; 4E															
	Hardinsburg, Mis	2,232	1970	60	0	147.4	4	0	0	0	S	4		Mis	2,823
Dubois C*; Washington; 3S; 1-2W															
	Cypress, Mis	1,220	1939	400	0	0	10	0	0	0	S	10	AL	Ord	4,217
Dudley*; Edgar; 14N; 13W															
	Pennsylvanian	300	1948	170	0	x	5	0	0	0	S	20	M	St. P	2,997
Dudley W Gas; Edgar; 13N; 13W															
	Gas, Pen	380	1953	130	0	0	4	0	0	0	S	11	X	Pen	478
Eden Gas††; Randolph; 5S; 5W															
	Cypress, Mis	875	1962	1,000	3.6	376.7	15	0	0	3	S			Mis	2,377
Eldorado C*; Saline; 8S; 7E															
			1941	300	21.0	3,893.0	18	0	0	3			A	Mis	3,606
	Palestine, Mis	1,920		120			3				S	20	AL		
	Waltersburg, Mis	2,055		80			2				S	20	AL		
	Tar Springs, Mis	2,225		40			4				S	17	AL		
	Hardinsburg, Mis	2,353	1962	120			4				S	5			
	Cypress, Mis	2,460		80			2				S	20	X		
Eldorado E*; Saline; 8S; 7E															
			1953	120	12.4	1,090.5	10	0	0	1			A	Mis	4,183
	Palestine, Mis	1,900		80			5	0	0		S	30	AL		
	Tar Springs, Mis	2,135		20			5	0	0		S	20	AL		
	Cypress, Mis			10			1	0	0						
Eldorado W*; Saline; 8S; 6E															
				20	48.4	124.5	2	0	0	1				Mis	3,138
	#6 Coal, Pen	390	1978	10			1	0	0			x	X		
	Palestine, Mis	1,923	1960	10			1	0	0		S	27	X		

TABLE 9—continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pro- ducing end of year	Pay zone			Deepest test		
	Name and age	Depth (ft)			During 1981	To end of 1981	Completed to end of 1981	Com- pleted in 1981	Aban- doned 1981		Kind of rock, average thickness in feet, structure	Zone	Depth (ft)			
Ficklin; Douglas; 16N; 8E																
	Spar Mtn, Mis	1,444	1966	40	0	0	1	0	0	0	S 20	X	Cam	5,301		
Fishhook Gas; Adams, Pike; 3-4S; 4-5W																
	Edgewood, Sil	450	1955	7,260	293.3	876.5	69	0	0	5	L 5	X	St. P	1,018		
Freeburg*††; St. Clair; 1-2S; 7W																
	Cypress	380	1956	700	0	x	29	0	0	0	S 30	X	Ord	2,008		
Gillespie-Benld (Gas)††; Macoupin; 8N-6W																
	Unnamed, Pen	540	1923	80	0	135.8	5	0	0	0	S x	A	Pen	603		
					Abd 1935											
Gillespie W; Macoupin; 8N; 7W																
	Unnamed, Pen	525	1958	10	0	0	1	0	0	0	S x	X	Pen	565		
					Abd 1976											
Grandview-Inclose; Clark, Edgar; 12-13N; 13-14W																
	Gas, Pen	400	1941	1,340	85.3	x	64	7	0	18			M	Ord	2,694	
	Salem, Mis	570		1,300			63	7			S x	ML				
				40			1	0			L 2	ML				
Greenville Gas*; Bond; 5N; 3W																
	Lindley (1st and 2nd), Mis	925	1910	180	0	990.0	4	0	0	0	S x	A	Trn	3,184		
					Abd 1923; rev 1957; abd 1958											
Harco, Harco E, Harco S, and Raleigh S*; Saline; 8S; 5E																
	X, Mis	x	1954	x	8.7	2,415.6	x	1	0	1			Mis	4,400		
Harrisburg*; Saline; 8S; 6E																
	Tar Springs, Mis	2,085	1952	160	0	93.2	1	0	0	0	S 6	X	Mis	2,930		
					Abd 1971											
Herald C*; Gallatin, White; 6-8S; 9-10E																
	Anvil Rock, Pen	700	1939	1,080	0	x	19	0	0	0			A	Dev	5,285	
	Pennsylvanian	1,750		360			9				S 25	AL				
	Waltersburg, Mis	2,240		120			3				S 18	AL				
	Tar Springs	2,315		120			3				S 10	A				
				480			4				S 6	AL				
Hutton C*; Coles; 11N; 10E																
	Pennsylvanian	620	1965	80	0	0	2	0	0	0	S x	X	Mis	969		
Jacksonville (Gas)*; Morgan; 15N; 9W																
	Gas, Pen, Mis	330	1910	1,320	0	x	45	0	0	0	LS 5	ML	Ord	1,390		
					Abd 1939											
Johnston City E; Williamson; 8S; 3E																
	Tar Springs, Mis	1,930	1965	80	5.5	937.1	4	0	0	1	S 10	X	Mis	2,997		
Kansas Gas; Edgar; 13N; 14N																
	Unnamed, Pen	410	1958	30	0	x	3	0	0	0	S x	X	Mis	778		
Keenville; Wayne; 1S; 5E																
	Salem, Mis	3,620	1978	x	178.6	726.3†	x	x	x	x	L 8		Mis	4,050		
Lawrence; Lawrence; 3N; 12W																
	McClosky, Mis	2,050	1975	10	0	0	1	0	0	0	L x		Cam	9,261		
Livingston E; Madison; 6N; 6W																
	Pennsylvanian	540	1951	60	0	0	3	0	0	0	S 12	X	Mis	815		

TABLE 9—continued

Field; county; location by township and range	Pay zone Name and age	Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pay zone			Deepest test			
				During 1981	To end of 1981	Completed to end of 1981	Com- pleted in 1981	Aban- doned 1981	Pro- ducing end of year	Kind of rock, average thickness in feet, structure		Zone	Depth (ft)		
Livingston S*; Madison; 6N; 6W															
	Pennsylvanian	530	1950	40	0	0	1	0	0	0	S	2	ML	Sl1	1,886
Louden*††; Fayette; 7N; 3E															
			1937	1,770	12.9†	x	14	1	0	x			A	Pc	8,616
	Burtschi, Pen	1,000		320			5	0			S	20	AL		
	Tar Springs, Mis	1,170		1,440			9	0			S	2	AL		
	Devonian	3,150	1981	10			1	1				12			
Main C*; Crawford, Lawrence; 5-8N; 10-14W															
			1906	x	0	x	x	10	0	0			M	St. P	5,317
	Robinson, Pen	1,000		x			9	0			S	x	ML		
	Hardinsburg, Mis	1,075		160			1	0	0		S	40	ML		
	Cypress, Mis	1,425		320			2	0	0		S	6	ML		
	Aux Vases, Mis	1,527	1959	70			8	1	0		S	8	ML		
	Renault	1,570	1980	10			1	1	0		S	9			
Marion E*; Williamson; 9S; 3E															
	Aux Vases, Mis	2,406	1966	40	0	0	1	0	0	0	S	4	X	Mis	2,642
Matissa W (Gas)*; St. Clair; 3S; 7W															
	Cypress, Mis	241	1960	60	0	x	7	0	0	0	S	25		Ord	2,413
Mattoon*; Coles; 12N; 7E															
	Devonian	3,124	1948	1,100	434.3	8,882.4	36	0	0	14	L	4		St. P	4,915
Mt. Olive*; Montgomery; 8N; 5W															
	Pottsville, Pen	605	1942	100	0	x	4	0	0	0	S	6	A	Sl1	1,878
New Athens Gas; St. Clair; 2S; 7W															
	Cypress, Mis	250	1961	250	70.2	388.4	10	0	0	3	S	13		Mis	400
New Harmony C*; White, Wabash, Edwards; 1N; 1-5S; 13-14W															
	Pennsylvanian	764	1974	10	0	0	1	0	0	0	S	12		Shk	7,682
New Hebron E*; Crawford; 6N; 12W															
	Robinson, Pen	866	1968	30	0	0	3	0	0	0	S	x	X	Mis	1,571
Old Ripley*; Bond; 5N; 4W															
	Cypress	785	1981	10	0	0	1	1	0	0	S	8		Dev	2,221
Omaha*; Gallatin; 7-8S; 8E															
			1940	130	0	221.4	4	0	0	0			D	Dev	5,320
	Palestine, Mis	1,865	1973	10			1	0	0		S		D		
	Tar Springs, Mis	1,900	1940	120			3	0	0		S	15	D		
Panama*; Bond, Montgomery; 7N; 3-4W															
			1940	280	0	x	7	0	0	0			A	Ord	2,950
	Pennsylvanian	575		160			4				S	30	A		
	Benoist, Mis	865		120			3				S	12	A		
Pittsburg; Williamson; 8S; 3E															
	Tar Springs	1,920	1962	40	0	0	4	0	0	0	S	12	X	Mis	2,570
Pittsburg N Gas*; Williamson; 8S; 3E															
	Hardinsburg, Mis	2,151	1962	20	0	10.0	2	0	0	0	S	6		Mis	3,070
Pittsfield (Gas); Pike; 5S; 4-5W															
	Niagaran, Sl1	265	1886	8,960	0	x	68	0	0	0	L	10	A	Pc	2,226
						Abd 1930									
Plainview*; Macoupin; 8N; 8W															
	Pennsylvanian	441	1961	60	0	0	4	0	0	0	S	20	X	Pen	563

TABLE 9—continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pay zone			Deepest test		
	Name and age	Depth (ft)			During 1981	To end of 1981	Completed to end of 1981	Com- pleted in 1981	Aban- doned 1981	Pro- ducing end of year	Kind of rock, average thickness in feet, structure		Zone	Depth (ft)	
Prentice*; Morgan; 16N; 8W															
	Pennsylvanian	260	1953	290	0	0	7	0	0	0	S 15	X	Ord	1,513	
Raleigh*; Saline; 8S; 6E															
	Waltersburg, Mis	2,307	1962	50	7.7	585.5	2	0	0	1	S 7	X	Dev	5,511	
Redmon N; Edgar; 14N; 13W															
	Pennsylvanian	365	1955	50	0	0	2	0	0	0	S 3	X	Mis	450	
Richwood (Gas) ²⁰ ; Crawford; 6N; 11W															
	Pennsylvanian	612	1959	160	0	28.6	4	0	0	0	S 9	X	Pen	1,001	
Roland C*; Gallatin; 7S; 8E															
	Waltersburg, Mis	2,150	1940	160	0	0	1	0	0	0	S 19	AL	Dev	5,266	
Russellville Gas*; Lawrence; 4-5N; 10-11W															
			1937	1,800	0	7,081.6	60	0	0	0		A	Dev	3,133	
	Bridgeport, Pen	760		x		x	18				S 15	AL			
	Buchanan, Pen	1,100		x		x	42				S 12	AL			
				Abd 1949											
St. Jacob E; Madison; 3N; 6W															
	Hardin, Dev	1,840	1980	10	5.3	10.6	1	0	0	1	S 8		Ord	2,600	
St. Libory; St. Clair; 1S; 6W															
			1964	280	74.4	342.6	8	0	0	3			Sil	1,997	
	Cypress, Mis	622	1965	40			1				S 11	X			
	Benoist, Mis	754	1964	40			1				S 22	X			
	Aux Vases, Mis	825	1964	160			4				S 10	X			
	Silurian			160			4				L	X			
Spanish Needle Creek (Gas); Macoupin; 9N; 7W															
	Unnamed, Pen	305	1915	80	0	14.4	7	0	0	0	S x	D	Trn	2,070	
				Abd 1934											
Sparta*; Randolph; 4-5S; 5-6W															
	Cypress, Mis	850	1888	160	0	x	18	0	0	0	S 7	D	Trn	3,130	
				Abd 1900											
Staunton (Gas)*; Macoupin; 7N; 7W															
	Unnamed, Pen	460	1916	400	0	1,050.0	18	0	0	0	S x	A	Ord	2,371	
				Abd 1919											
Stiritz*; Williamson; 8S; 2E															
	Tar Springs, Mis	1,951	1971	10	0	68.1	1	0	0	0	S 14		Dev	4,669	
Storms C*; White; 5-6S; 9-10E															
			1939	440	0		9	0	0	0			A	Dev	5,308
	Gas, Pen	1,090		170			2				S 40	AL			
	Waltersburg, Mis	2,230		280			7				S 15	AL			
Stubblefield S*; Bond; 4N; 4W															
			1962	270	18.5	407.3	13	2	0	3			Dev	2,455	
	Pennsylvanian	590	1971	50			2				S x	X			
	Cypress, Mis	920	1962	220			0				S x	X			
Sumner S (Gas); Lawrence; 3N; 13W															
	Aux Vases, Mis	2,566	1959	40	0	0	2	0	0	0	S 10		Mis	2,990	
Tamaroa*; Perry; 4S; 1W															
	Cypress, Mis	1,120	1942	20	0	0	2	0	0	0	S 13	AL	Trn	4,287	

TABLE 9—continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pay zone			Deepest test		
	Name and age	Depth (ft)			During 1981	To end of 1981	Completed to end of 1981	Com- pleted in 1981	Aban- doned 1981	Pro- ducing end of year	Kind of rock, average thickness			Zone	Depth (ft)
											in feet, structure				
Tilden N Gas ^{††} ; Washington, St. Clair; 3S; 5-6W															
	Cypress, Mis	780	1961	x	0	x	x	0	0	0	S	25		Ord	2,810
Wagoner*; Montgomery; 11N; 5W															
	Pottsville, Pen	523	1959	10	15.0	16.0	1	0	0	1	S	2	X	Sil	1,945
Wamac E ^{††} ; Marion; 1N; 1E															
	Petro, Pen	856	1958	90	0	x	9	0	0	0	S	x	M	Dev	3,405
Waverly* ^{††} ; Morgan; 13N; 8W															
			1946	900	0	0	8	0	0	0				Ord	2,070
	Pennsylvanian	250		160			1				S	13	AL		
	Devonian	1,000		700			6				L	10	A		
	Trenton, Ord	1,513	1963	40			1				L	x	X		
Westfield E*; Clark; 12N; 14W															
	Pennsylvanian	400	1947	60	0	0	3	0	0	0	S	11	ML	Mis	795
Totals for Illinois (estimated)				34,190	1,294.9	33,295.5	852	25	0	59					

Part II. Waterflood Operations

Jaclyn Rendall Elyn

SUMMARY OF SECONDARY RECOVERY OPERATIONS

In 1981, 7 waterflood projects were reported for the first time by their respective operators. Five waterfloods were reported abandoned during the year or earlier.

Data for older waterfloods, active and abandoned, and information for the newly reported projects are included in table 11 and summarized in tables 10, 12, 13, and 14.

New projects increased the area subject to fluid injection by 720 pay acres. Total pay acreage under waterflood is now 396,061 acres. Pressure maintenance area remains at 4,060 acres. Total pay area subject to secondary recovery is 400,121 acres or 47.1 percent of the total productive area in Illinois.

Secondary recovery oil production in 1981 was 11,049,600 barrels, a decline of 4.8 percent from 1980. Waterfloods accounted for 10,928,700 barrels or 42.9 percent of the total oil produced during 1981 in Illinois; pressure maintenance projects reported 120,900 barrels or 0.47 percent of the total oil produced during 1981.

The assistance of the operators in making their waterflood data available to the Illinois State Geological Survey is acknowledged with gratitude.

EXPLANATION OF TABLES

Table 10, "Project Numbers by County and Summary of Waterflood Projects in 1981," lists the counties having waterflood activity, the range of county numbers, and the number and status of projects in each county.

Table 11, "Waterflood Operations in Illinois, 1981," is a summary of the data for each secondary recovery project, active and abandoned. Most of the data supplied by the operator are included in this table. If no data are reported to the Illinois State Geological Survey for a project, estimates of water injection and water production are made on the basis of past performance, and oil production figures are obtained from the Petroleum Information Corporation's production reports.

Table 12, "Illinois Waterfloods for 1981 by Counties," is a summary of waterflood data for each county. For those waterfloods that are located along county lines and extend into more than one county, the project is assigned to the county in which the larger areal portion is located. Data are tabulated as though the entire project were in that county.

Table 13, "Illinois Oil Fields Having Active Waterfloods During 1981," is a tabulation of statistics for those fields in which secondary recovery oil is being produced.

Table 14, "Summary of Waterflood Statistics 1949-1981," is a tabulation of waterflood data, compiled on an annual basis for the past 33 years.

CONCLUSION

The continued decline in the percentage of oil produced by secondary recovery methods in ratio to the total oil produced in Illinois in some measure reflects the amount of new oil being found due to expanded exploratory drilling in the state.

ABBREVIATIONS

The following abbreviations are used in tables 10 through 14:

abd - abandoned
adj - adjacent
cum - cumulative
D.F. - dump flood
disc - discontinued
est - estimate, estimated
excl - excludes, excluding, excluded
form - formerly
temp - temporary, temporarily
incl - includes, including, included
inj - injection
N.A. - not available
op - operator, operation
P.M. - pressure maintenance
prim - primary
prod - production
S.D. - shut down

TABLE 10. Project numbers by county and summary of waterflood projects in 1981

Range of county numbers	County	Active water-floods	Active pressure maintenance	Abandoned	Total
001-007	Bond	4	0	3	7
100-107	Christian	8	0	0	8
200-231	Clark	7	0	21	28
300-393	Clay	49	0	43	92
400-420	Clinton	14	1	6	21
500-525	Coles	11	0	15	26
589-698	Crawford	50	0	48	98
700-708	Cumberland	5	0	3	8
800-802	Douglas	0	0	3	3
900-907	Edgar	7	0	1	8
1000-1042	Edwards	24	1	17	42
1100-1121	Effingham	17	0	5	22
1200-1255	Fayette	45	0	10	55
1300-1344	Franklin	24	0	20	44
1400-1459	Gallatin	28	0	32	60
1500-1578	Hamilton	29	0	48	77
1900-1931	Jasper	12	0	19	31
2000-2037	Jefferson	23	1	13	37
2200-2295	Lawrence	66	0	27	93
2300-	Macon	0	0	1	1
2400-	Macoupin	1	0	0	1
2500-2509	Madison	7	0	3	10
2600-2640	Marion	26	0	14	40
2900-	Montgomery	0	0	1	1
3100-3101	Perry	2	0	0	2
3400-3449	Richland	24	0	26	50
3600-3627	Saline	15	0	12	27
3800-3803	Shelby	3	0	1	4
3836-3999	Wabash	83	0	73	155
4000-4026	Washington	25	0	2	28
4046-4199	Wayne	90	0	62	152
4200-4459	White	149	0	111	260
4501-4505	Williamson	<u>5</u>	<u>0</u>	<u>0</u>	<u>5</u>
	Total	853	3	640	1,496

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBL)					
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION			
PROJECT NO., OPERATOR	U * UNIT	S * T * R		TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	1981 * 12/81	1981 * 12/81	1981 * 12/81
* ADD									
* P.M.									
AB LAKE W, GALLATIN	AB LAKE WEST UNIT	WALTERSBURG	30,31-88-10E	1091	184*	526*			
*1417 COY OIL CO	AB LAKE WEST UNIT	AUX VASES	30,31-88-10E	219					
1421 COY OIL CO	GOLDEN-CONN	WALTERSBURG	29,31,32-88-10E	400	70*	400*			
*1452 PAUL S, KNIGHT									
ADEN C, HAMILTON, WAYNE	SW FAIRFIELD UNIT	AUX VASES	22-28-7E	8	1660*	0	139	0	814*
4150 FAIRFIELD OIL CO	ADEN SOUTH	AUX VASES	8,9,16,17,20-38-7E	6138	0,7	1050			8418*
*4101 TEXACO, INC.	ADEN SOUTH	MCCLOSKEY	8,9,16,17,20-38-7E	6506		660			
4102 TEXACO, INC.	NORTH ADEN UNIT	AUX VASES	28,32,33-28-7E	200	2495*	3,5*	66*	200**	2495*
4181 TEXANA, INC.		MCCLOSKEY	4,5,8-38-7E	18660**					
ADEN S, HAMILTON	SOUTH ADEN UNIT	AUX VASES	29,30-38-7E	2477		176			
*1521 H. WEINERT EST.		SPAR MTN							
		MCCLOSKEY							
AKIN, FRANKLIN	LARIO TRUSTEE A U	AUX VASES	36-68-4E		109				
1310 C. E. BREHM	AKIN SE U	AUX VASES	25-68-4E	5	2352	0,4	261	5	2352*
1311 C. E. BREHM	U S COAL & COKE	CYPRESS	23-68-4E		129		42		320*
1317 C. E. BREHM	U S STEEL	AUX VASES	26-68-4E	4	613	0,6	139	4	309*
1321 C. E. BREHM	AKIN UNIT		35-68-4E		360*		68		148
*1327 FARRAR OIL CO.									
ALBION C, EDWARDS, WHITE	S ALBION L BIEHL U	BIEHL	1-38-10E; 35,36-28-10E	3226	704	2367			
1011 ACME CASINS	H. WICK	BRIDGEPORT	24-28-10E	65	2685*	1,6	165	65*	2372*
1002 NICK BABARE		WALTERSBURG							
		OHARA							
1020 C. E. BREHM	MICHAELS	BIEHL	11-38-10E			5,3	153	25*	600*
*4201 CONCHO PET. CO.	NORTH CROSSVILLE UNIT	CYPRESS	27,34,35-38-10E	3620	313	1270			
*4202 CONCHO PET. CO.	N CROSSVILLE U	TAR SPRINGS	34,35-38-10E	868	98	69			
*1014 CONTINENTAL OIL	STAFFORD	MCCLOSKEY	13-28-10E	625	43	637			
1038 DELTA OIL CORP.	HORTON-WORKS	MCCLOSKEY	13-28-10E	2000	126**	2050*			
1015 FIRST NATL PET	BROWN	AUX VASES	6-28-11E	120	14**	100*			
1006 BETTY OIL CO	SW ALBION BIEHL SD U	BIEHL	2,11,14-38-10E	410	23241	15,6	1777	350	16635
*1026 J&M OIL CO	MAXWELL-MOSSBARGER	BETHEL	15-38-10E		569	40			569
4200 MOBIL OIL CORP.	BIEHL U 1	BIEHL	22,23-38-10E	63	10113	2,3	1365	88	3884
4308 MOBIL OIL CORP.	W GRAYVILLE U	BETHEL	23-38-10E	47	3136	3,8	427	145	1152
		AUX VASES							
1005 BERNARD PODOLSKY	ALBION E U	AUX VASES	1-28-10E; 76-28-11E	*	2284	0,7	201	12	1224
1000 REBSTOCK OIL CO.	BIEHL U 2	BIEHL	14-38-10E		4194		610*		1215*
*1018 REBSTOCK OIL CO.	EAST ALBION UNIT	AUX VASES	36-18-10E, 31-18-11E		1756		198		469
4321 J. W. RUDY DRG.	ROBINSON	TAR SPRINGS	23-35-10E	15*	254*	1,5	19	15*	208*
		BETHEL							
4434 J. W. RUDY DRG.	GRIESSBAUM	CYPRESS	26-38-10E	60*	502*	3,1	38	60*	498*
		BETHEL							
		AUX VASES							
1012 SABER OIL CO	BUNTING LSE	OHARA	12-28-10E	75*	1490*	3,6	166*	75*	1490*
1033 SABER OIL CO	ALBION U	AUX VASES	12-28-10E; 17,18-28-11E	100	3518*	8,0	380	100	1566*
		OHARA							
1001 SACKETT ENT.	SOUTH ALBION U BIEHL	BIEHL	1,2-38-10E	65*	3755*	4,6	534	65*	2689*
1037 SO. TRIANGLE CO.	SOUTH ALBION WF	BETHEL	24,25-28-10E	47	1423	5,3	119	17	820
1003 SUPERIOR OIL CO.	30,31-28-11E SRPU 1	BIEHL	25,36-28-10E	559	15359	6,2	2045	336	8239
		WALTERSBURG	30,31-28-11E						
1004 SUPERIOR OIL CO.	SOUTH ALBION UNIT 2	MANFIELD	1,2,11,12-38-10E	256	5130	34,7*	2140*	667*	19934*
		BRIDGEPORT		373	9663				
		BIEHL		115	7072				
		WALTERSBURG		46	2305				
		BENDIST			46				
		AUX VASES			1328				
1032 SUPERIOR OIL CO.	WORKS UNIT	WALTERSBURG	18,19-28-11E	43	1148	15,5*	168*	269*	1571*
		BETHEL		59	391*				
		AUX VASES			39				
		MCCLOSKEY		180	974*				
1036 SUPERIOR OIL CO.	WILLET	WALTERSBURG	30-28-11E	5	185	6,2	594	80	1276
1030 TEXACO, INC.	BARNES EAST	WALTERSBURG	24-28-10E		544		33		537
1039 TEXACO, INC.	G.WORKS	BETHEL	13-28-10E	76	1911	3,7	130	76	1911
		AUX VASES							
		MCCLOSKEY							
1035 RICHARD M. URASH	RK EAST ALBION UNIT	AUX VASES	6-28-11E, 1-28-10E	15*	1674*	1,3	120	15*	418*
4333 P. O. WALL	GRAYVILLE WEST U	CYPRESS	22-38-10E		219		61*		263*
1031 WARRIOR OIL CO.	E. ALBION WALT. SAND U.	WALTERSBURG	31-18-14W; 6-28-14W	8	5891	0,9	760	4	2589
ALBION EAST, EDWARDS	ALBION EAST	CYPRESS	28-28-14W	165	1504	32,4	422	165*	1465*
1040 ZANEYIS OIL PROP		BETHEL							
		OHARA							
ALLENDALE, LAWRENCE, WABASH	FRIENDSVILLE COOP	BIEHL	30-1N-12W	*	4970*	4,6	330	*	4541*
3969 ASHLAND O AND R	HOVERMALE	BETHEL	36-2N-12W		64*		2*		12*
*3865 JOHN BLEDSOE, JR	NAYLOR-ROBSON-PAYNE	BIEHL	8-1N-12W		1000**		200**		1000**
*3848 CHARLES E. CARR	PATTON COOP	CYPRESS	28-1N-12W		1000**		180**		590**
3847 G. S. ENGLE	YOUNG WF	BETHEL	1-1N-12W		208				
*3971 Y. W. GEORGE EST.	BUCHANAN	CYPRESS	33-1N-12W		367		44		26
*3990 H AND H OIL CO	GILLIATT-ALKA	BIEHL	13-1N-12W		2735		244		
*3900 CECIL A. HAMMAN	JOHN SCHAFER	ST. LOUIS	13-1N-12W		11		4		11
3836 HOCKING OIL	FRENCH ET AL	BIEHL	32-2N-12W		39		10		5
*3869 ILLINOIS OIL CO.	PRICE WEIRS	BRIDGEPORT	2-1N-12W		228**		16**		191**
3999 ILLINOIS OIL CO.	YOUNG	BIEHL	1-1N-12W		4547*		205**		1341**
*3906 ILLINOIS OIL CO.	WOODS 'C'	BIEHL	20-1N-12W		633		45		550
*3944 IND. FARM BUR.	KEYSER 'B'	BIEHL	13-1N-12W		303		80		
3992 IND. FARM BUR.	HERSHEY-COGAN	BIEHL	35-2N-12W		9				
3898 JACK KENEIPP		CYPRESS		20*	760*	1,1	80*	20*	611**
		BIEHL		15*	1132*	0,6*	204*	25**	2017**
3966 JACK KENEIPP	COGAN	CYPRESS		10*	319*				
*3999 JACK KENEIPP	HALSER	TAR SPRINGS	2-1N-12W		26		5		6

in Illinois, 1981

RESERVOIR STATISTICS (AV. VALUE)		DEVELOPMENT AS OF 12-31-81					INJECTION WATER						
FIELD, COUNTY													
PROJ.	DEPTH	NET	PER	(HD)	GRAV	FIRST	ABD.	UNDER	GR	GRAVEL	(B)	BRINE	
NO.	(FT)	(%)	(API)	INJ.		INJ.	PROD.	INJ.	PROD	PRODUCED	(M)	MIXED	REMARKS
	(FT)									SH	SHALLOW		
AB LAKE W, GALLATIN													
*1417	2025	17.0	16.3	20	36.9	07-59	06-64	6	9	180	SH GRAY, PENN SD (F)	*INCL 1421	
*1421	2750	10.0	16.3	27	37.1	07-59	06-64	1	2	30	SH GRAY, PENN SD (F)	*INCL WITH 1417	
*1422	2000	13.0				09-64	12-71	2	5	90	PRODUCED (B)	*ESTIMATED	
ADEN C, HAMILTON, WAYNE													
4158	3250	9.0	21.0	156	40.0	02-62		1	2	100	PENN SD, PROD (B)	*EST	
*4101	3800	10.0	22.0	150	37.0	08-66	03-66	12	12	640	PRODUCED (B)	*INCL 4102	
*4102	3350	3.6			37.0	08-66	03-66	11	5	640	PRODUCED (B)	*INCL WITH 4101	
4181	3150	12.0	12.0		36.0	01-64		10	11	1000	PENN SD., PROD (B)	*1-79 TO 10-79	*INCL BOTH PAYS
	3350	14.0			38.0	01-64		7	6	1000		*THRU 1975	
ADEN S, HAMILTON													
*1521	3245	21.0				03-64	04-70	4	10	150	PENN SD, PROD (B)		
	3355	10.0						4	10	150			
	3390	8.0						2	2	80			
AKIN, FRANKLIN													
*1310	3100	20.0				02-60	12-62	2	5	120	CYPRESS (B)	*NO W.P.OIL RECOVERED	
1311	3120	20.0	20.5	175	38.0	10-61		1	1	20	PENN SD, PROD (B)	*INJ. CURTAILED 76-80	
*1317	2840	19.0	13.0	90	38.0	05-62	12-76	2	6	80	PENN SD, PROD (B)	*ESTIMATED SINCE 1968	
1321	3100	16.0			38.0	06-65		1	3	60	PENN SD, PROD (B)	*INJ. DISC. 79/REBUMED 80	
*1327	3060	14.7			37.0	01-66	05-78	3	3	100	*SHD SINCE 1971	*ESTIMATED/ *SHD SINCE 1971	
ALBION C, EDWARDS, WHITE													
*1011	2080	9.2	16.8	384	32.3	04-51	01-72	2	7	120	PRODUCED (B)		
1002	1550	12.0				01-72		1	1	30	PRODUCED (B)	*ESTIMATED	
	2380	12.0				01-72		1	2	40			
	3150	10.0				07-51		1	4	80			
1020	2055	8.0				6-56		1	3	30			
*4201	2850	12.0	18.0		37.0	10-52	12-58	8	21	250	RIVER, PROD (M)	*EST. +ADJ. TO PROJ 1006 SINCE 56	
*4202	2460	6.0	18.0		37.0	10-52	12-58	4	5	100	RIVER, PROD (M)		
*1014	3222	4.0	16.3	898	39.0	05-43	12-56	1	7	80	PRODUCED (B)		
*1038	3110	10.0				01-57	01-74	1	6	70	PRODUCED (B)	*EST +INCL PRIM SINCE 1-57	
*1015	3005	21.0				04-52	07-55	1	1	30	HARDINSBURG (B)	*EST. +INCL. PRIM. 52-55	
1006	1850	16.2	18.0	150	32.2	01-55		8	11	403	GRAVEL, PROD (M)		
*1026	2990	8.0				06-62	12-79	1	2	30	PRODUCED (B)		
4200	1900	21.2	20.2	265	38.0	06-68		3	7	170	RIVER, PROD (M)		
4308	2930	19.0				02-68		4	7	160	SHALLOW SD, PROD (M)		
	3160	18.0											
1005	3050	25.0	15.0	25	41.0	03-68		4	4	90	PURCHASED (F)	*NO INJECTION 81	
*1000	1900	30.0	19.3	303	35.8	09-50	01-72	2	5	50	RIVER, PROD (M)	*ESTIMATED SINCE 1969	
*1018	3000	14.3	18.0	13	37.5	11-59	12-67	6	5	340	PENN SD, PROD (B)		
4321	2434	10.0			33.0	06-69		1	1	40	PRODUCED (B)	*ESTIMATED SINCE 1976	
	2932	10.0				11-69		1	2	30			
4434	2770	15.0				11-71		1	1	20	PRODUCED (B)	*ESTIMATED SINCE 1976	
	2950	15.0						2	4	60			
	3060	18.0						1	1	20			
1012	3230	8.0				11-66		1	1	30	PRODUCED (B)	*EST +INCL PRIM PROD	
1033	3025	19.0	17.3	35	39.0	02-66		7	10	200	PENN SD, PROD (B)	*ESTIMATED SINCE 1973	
	3060	13.0						3	9	120			
1001	2075	18.0	20.0	200	33.4	12-55		2	7	110	PRODUCED (B)	*ESTIMATED SINCE 1967	
1037	3000	8.0	15.0	13	36.0	02-72		8	5	240	PENN SAND (B)		
1003	2025	12.3	18.5	47	36.0	01-55		4	4	222	SH SD, PROD (M)		
	2400	7.1	18.6	74	36.0								
1004	1630	10.0	20.6	53	37.0	01-67		2	5	90	GRAVEL BED, PROD (M)	*INCL ALL PAYS	
	1870	12.2	20.2			08-56		1	4	20			
	2050	15.8	18.2	336		08-56		8	15	20			
	2400	19.2				06-60	01-72	2	4	60			
	3050	20.6				08-56	01-67	7	8	170			
1032	2356	6.0	19.0	480	34.0	12-65		1	2	20	SH SD (F)	*INCL ALL PAYS/ *TEMP ABD 6-68 TO 9-78/ *TEMP ABD 1-68 TO 4-77	
	2919	6.0	14.6	10				3	7	20			
	3040	5.0	15.8	35				1	3	50			
	3066	8.0	14.2	3053			01-68	3	4	20	PRODUCED (B)		
1036	2400	8.5	19.2	209	38.0	10-65		1	3	222	SH SD (F)		
	2944	13.0	13.5	25	34.0	10-81		4	3				
*1030	2370	20.0			39.0	11-63	12-66	1	4	40	PRODUCED (B)	*SHD ONLY	
1039	2970	8.0	13.0	22		11-69		2	1	40	PRODUCED (B)		
	3041	18.0	16.7	153									
	3110	33.0	15.0	205									
1035	3010	18.3				10-66		4	3	70	CITY WATER (F)	*ESTIMATED SINCE 1977	
*4353	2850	12.0	17.0	50	38.0	05-62	01-71	4	5	225	MIHL, PROD. (B)	*ESTIMATED SINCE 1968	
1031	2250	11.2	20.6	167	36.0	10-65		1	3	132	GRAY, PROD (M)		
ALBION EAST, EDWARDS													
1040	2770	15.0				09-72		8	15	400	PENN SAND, PROD (M)	*ESTIMATED	
	2890	10.0											
	3070	8.0											
ALLEDALE, LAWRENCE, WABASH													
3969	1600	15.0	14.2	335	33.0	10-60		1	2	100	PRODUCED (B)	*INJ DISC 12-78, SHD ONLY	
*3865	1948	30.0	18.7	77	36.8	02-65	01-72	1	1	20	SH SD, PROD (M)	*NO DATA 1966-69/ INACTIVE 70-71	
*3848	1920	7.0				7-64	12-76	4	6	100	PRODUCED (B)	*EST. NO DATA RECEIVED	
*3847	2080	13.0				7-53	6-59	4	5	90	FRESHWATER PROD. (M)	*EST. NO DATA RECEIVED	
*3971	2080	15.0				01-58	04-63	2	2	40	GRAVEL BED (F)	*ESTIMATED/ *INCL WITH 3906	
*3990	2000	20.0	16.0	128	39.0	11-59	09-68	1	1	40	GRAVEL BED, PROD (M)		
*3900	1485	15.0	24.6	1066	32.5	11-54	09-68	5	3	35	SH SD, PROD (M)		
3836	2559	5.0	12.0			10-79		1	2	50	PRODUCED (B)		
*3869	1975	8.0	17.0	40	36.0	05-65	01-70	1	1	10	SH SD (F)	*NO DATA AVAILABLE 1981	
3899	1120	8.0	15.0	150	34.0	11-70		1	1	20	WELL (F)	*ESTIMATED/ *INJ. SUSP. 1-78	
*3906	1375	15.0	17.0	150	36.0	01-58	1-75	8	10	120	SH SD, PROD (M)	*ESTIMATED/ *INCL 3971	
*3944	1920	15.0			28.4	11-53	06-57	5	7	147	PRODUCED (B)		
*3992	1450	9.0			37.0	10-66	1-72	1	2	60	SH SD, PROD (M)	*INCL WITH 3964	
3898	1385	12.8				10-61	01-72	1	1	10	SH SD, PROD (M)	*ESTIMATED/ *INCL BOTH PAYS	
	1920	18.0				07-62		1	1	20			
3966	1380	18.0	18.0			06-60		2	3	18	SH SD, PROD (M)	*INCL BOTH PAYS/ *ESTIMATED	
	1920	10.0				09-61		2	4	18			
*3999	1553	11.0				07-62	10-64	1	1	20	SH SD, PROD (M)		

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBLs)				
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	WATER PRODUCTION	WATER PRODUCTION
PROJECT NO., OPERATOR	U P UNIT		S - T - R	TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.
* * ABD				* 1981 * 12/81	* 1981 * 12/81	* 1981 * 12/81	* 1981 * 12/81	* 1981 * 12/81
* * P.M.								
ALLENDALE, LAWRENCE, WABASH								
CONTINUED								
3902 KIEFFER BROS.	PRICE=ROBINSON	BIEHL	14-1N=12W	51	648*	1.1	42	49*
*3952 L AND M DRILLING	STANLEY PRICE	BIEHL	19-1N=12W		887		167	348
3905 HERMAN LOEB	ALLENDALE(FLOOD 19)	BIEHL	3,4,9,10-1N=12W	325*	39684*	26.4	2180	
		JORDAN						
3871 D. LOEFFLER ESTATE.	FRIENDSVILLE EAST U.	BIEHL	18,19-1N=12W/	260*	2799*	8.6	516	260*
			13,24-1N=13W					2348*
3883 D. LOEFFLER ESTATE.	G.D.ADAMS COOP	CYPRESS	16-1N=12W	10*	729*	0.4	71	10*
		BETHEL						567*
3901 D. LOEFFLER ESTATE.	CLARK, BARTH.=PINNICK	YAR SPRINGS	25,36=2N=12W	10*	338*	0.4	30	10*
3951 D. LOEFFLER ESTATE.	ALLENDALE WEST U	BIEHL	8-1N=12W	15*	5260*	0.6	530	15*
3996 D. LOEFFLER ESTATE.	SPARKS=PETER UNIT	BIEHL	36=2N=12W	50*	1402*	0.8	81	50*
3911 C.A.ROBINSON	MADDEN	BIEHL	6,7-1N=11W		588**		14*	300**
3964 ROYALCO, INC.	ALLENDALE U	BETHEL	13-1N=12W		476		313	1544*
*3993 ROYALCO, INC.	STILLWELL COURTER U	WALTERSBURG	21,22-1N=12W		1625		341	653
		CYPRESS						
*3920 SKILES OIL CORP.	VELTON=KERZAN	BIEHL	5-1N=12W				53	73
2231 WAYNE SMITH, OP.	SAND BARREN UNIT 1	BIEHL	26=2N=12W		3864		399	3465
		JORDAN						
2232 WAYNE SMITH, OP.	SAND BARREN UNIT 2	BIEHL	23,26=2N=12W		798		205	347
*3903 WAYNE SMITH, OP.	TAYLOR=HEATLEY	BIEHL	7,18-1N=12W		1124		217	909
		JORDAN						
*3908 WAYNE SMITH, OP.	SHAW=SMITH=NIGH	BIEHL	35=2N=12W		1586		120	1466
		JORDAN						
3859 BO. TRIANGLE CO.	STOLTZ U	BIEHL	25-1N=12W	65*	783*	4.7	102	65*
3904 TAMARACK PET.	PATTON C	CYPRESS	28-1N=12W		644		90*	600*
2201 TRIPLE B OIL CO	HERSHEY U	BETHEL	27,34,35=2N=12W		1325		98*	147*
3868 UNIVERSAL OPRYNG	LITHELAND=SMITH UNIT	BIEHL	5-1N=12W	4*	1681	0.9	136	4*
3973 UNIVERSAL OPRYNG	SOUTH ALLENDALE	BIEHL	15-1N=12W		845		38	1137*
								247*
3909 MOLL & PAYNE BROS.	ALLENDALE U	BIEHL	3-1N=12W	265	5536*	3.7	289*	361
3860 ZANETIS OIL PROP	HAWF	JORDAN			151		25*	4565*
		CYPRESS	15-1N=12W					151*
ASHLEY, WASHINGTON								
4023 N. A. BALDRIDGE	ASHLEY	BENOIST	32,33=28-1W	150*	4400*	10.3	282	150*
ASHLEY E, WASHINGTON								
4022 N. A. BALDRIDGE	ASHLEY EAST	BENOIST	25,26=28-1W	25*	955*	1.0	58	25*
ASSUMPTION C, CHRISTIAN								
104 PEAR AND DUNCAN	ASSUMPTION WPU	LINGLE	17,20=13N=1E	150*	2339*	6.4	171	150*
100 JUNIPER PETROLEUM C	BENOIST	BENOIST	3,4,9,10=13N=1E	143	8870	6.4	1482	99
101 JUNIPER PETROLEUM C	DEVONIAN	LINGLE	3,4,9,10,13,16=13N=1E	725	26194	38.1	2162	673
102 JUNIPER PETROLEUM C	ROBICLARE	SPAR HTN	9,10=13N=1E	192	5607	2.4	1108	38
105 J. W. RUDY ORLG.	PEABODY=RDGE	LINGLE	16=13N=1E	80*	1670*	8.3	189	80*
BARNHILL, WAYNE, WHITE								
*4103 ASHLAND O AND R	BARNHILL U	MCCLOSKEY	26,34,35=28=8E		9137		1235	
4170 BERNARD PODOLSKY	BOZE UNIT	AUX VASES	27,28,34=28=8E		851*	1.0	135	7
4171 BERNARD PODOLSKY	CALDWELL UNIT	AUX VASES	34=28=8E		1883*	0.2	96	1
*4199 SAM TIPPS	BOZE U	AUX VASES	28,33,34=28=8E		319		38	529
4129 WAYNE DEV	WALTER	MCCLOSKEY	26=28=8E		144		21	119
*4104 WILLETS AND PAUL	BARNHILL UNIT	AUX VASES	27,28=28=8E	4090			401	1880
*4105 WILLETS AND PAUL	BARNHILL UNIT	OHARA	27=28=8E	53			7	2
BARTLES0, CLINTON								
402 ED KAPES	H.S. WOODARD, TRUSTEE	CYPRESS	5,6-1N=3W	75*	2946*	4.1	488	75*
* 400 T. R. KERWIN	BELLE OIL	CYPRESS	4-1N=3W		978		135*	187
* 401 ROBBER OIL CO.	ROBBER OIL UNIT	CYPRESS	4-1N=3W		3100		639*	1621
BEAUCOUP, WASHINGTON								
4013 COLLINS BROS.	BEAUCOUP UNIT	CLEAR CREEK	9,10=28=2W	100*	1761	1.5	22	100*
BEAUCOUP S, WASHINGTON								
4005 SHELL OIL CO.	BEAUCOUP S. UNIT	BENOIST	33,34=28=2W	156	10696	5.2	451	302
4008 GEORGE THOMPSON	GILBERT	BENOIST	34=28=2W	6*	177*	0.2*	41*	6*
BEAVER CREEK, BOND, CLINTON								
* 1 T. M. CONREY, JR	WRONE C	BENOIST	36=4N=3W		106		23	
2 K W B OIL PROP.	NGMTJACOBS	BENOIST	31=4N=2W	27	436	1.6	22	27
BEAVER CREEK S, BOND, CLINTON								
415 NICK BABARE	HORD	BENOIST	5=3N=2W			0.1	20	
408 T. M. CONREY, JR	R=K=R=8	BENOIST	12,13,14=3N=3W	125*	2752*	6.2	310	125*
BELLAIR, CRAWFORD, JASPER								
600 BELLAIR OIL	BELLAIR	PENNSYLVNIN	2,11,12=8N=14W	40*	32163*	1.5	908	40*
601 BELLAIR OIL	FULTON (BELLAIR)	PENNSYLVNIN	1,2,11,12=8N=14W	275*	63220*	11.5	1665	275*
* 606 WAUSAU PET. CORP	GRANT	CYPRESS	13=8N=14W		1343		161	380
BELLE PRAIRIE, HAMILTON								
1577 CARL BUSBY	HLBK,SHPRD,LEACH,80NA	MCCLOSKEY	1,2,11=48=6E		620	5.1*	145*	
BEMAN, LAWRENCE								
*2248 E. L. WHITHER	DECATUR INVESTMENT	STE GEN	23,24=3N=11W		683		40	400
2287 ZANETIS OIL PROP	ALEXANDER	STE GEN	23=3N=11W	33	707	1.1	26	33*
BENTON, FRANKLIN								
1300 SHELL OIL CO.	BENTON U	YAR SPRINGS	23,24,25,26,35,36=68=	1023	221649	20.4	19727	784
			2E/ 18,30,31=68=3E					166534
1314 SHELL OIL CO.	SHELL=BENTON DEEP	AUX VASES	25,36=68=2E	473	11133	13.8	1687	342
		OHARA						6660
		MCCLOSKEY						
BENTON N, FRANKLIN								
*1328 FARRAR OIL CO.	BENTON NORTH UNIT	BETHEL	28,35,36=58=2E		3458		740	1655
		AUX VASES						

in Illinois, 1981—continued

RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AD OF 12-31-81 * INJECTION WATER *													
FIELD, COUNTY * PERM OIL * DATE * DATE * NO. OF * SOURCE * TYPE *													
PROJ.	DEPTH	NET	FOR	(MD)	GRAV	FIRST	ABD.	WELLS	ACRES	SD&SAND	(P)	FRESH	REMARKS
NO.	(FT)	(%)	(%)	(API)	INJ.	INJ.	PROD.	INJ.	PROD	PROD	(M)	MIXED	
	(FT)												
ALLEDALE, LAWRENCE, WABASH													
CONTINUED													
3902	1472	10.0	17.0		35.0	12-65		2	2	20	SH SD, PROD (M)		*ESTIMATED 76 THRO 79
*3952	1980	20.0	18.0	490	33.0	11-58	01-60	1	3	40	SH WELL (F)		
3908	1465	15.0	17.7	390	35.7	06-55		21	16	307	GRAVEL BED (F)		*ESTIMATED SINCE 1971
	1495	13.0	14.9	100									
3871	1920	20.0	19.0	200	35.0	06-64		3	8	100	SH SD (F)		*ESTIMATED SINCE 1972
3883	1996	10.0			37.0	05-64		1	3	40	SH SD, PROD (M)		*ESTIMATED SINCE 1972
	2110	10.0						1	3	40			
3901	1500	10.0	16.0	40	33.0	08-66		1	2	30	SH WELL (F)		*ESTIMATED SINCE 1972
3931	1500	20.0	17.8	490	35.0	03-58		4	3	60	SH SD, PROD (M)		*ESTIMATED SINCE 1972
3996	1375	15.0	16.0	200	37.0	10-62		3	3	50	SH SD, PROD (M)		*ESTIMATED SINCE 1972
3911	1450	20.0	18.0					3	6	153	SH SD (F)		*EST. / *OP. SUBP. 1970, NO DATA
*3964	2120	20.0	20.1	115	36.5	07-59	12-69	10	14	180	PRODUCED (S)		*INCL 3992
*3993	1500	11.0	18.6	45	33.4	01-62	11-68	1	1	30	RIVER, PROD (M)		
	2000	10.0			36.9			5	10	180			
*3920	1600	15.0	18.0		35.5	06-66	12-70	"	2	20			*ADJ TO ACTIVE WP
2231	1300	18.0			34.0	09-57		10	7	75	SURFACE, PROD (M)		*NO DATA 1981
	1340	8.0											
2232	1280	20.0			33.0	06-58		3	10	65	SURFACE, PROD (M)		*NO PROD REPORTED 1981
*3903	1400	15.0				06-57	12-66	4	6	50	RIVER GRAV, PROD (M)		
	1440	8.0											
*3908	1380	15.0			34.0	09-57	01-72	2	6	45	SURFACE, PROD (M)		
	1420	8.0											
3859	1450	10.0	17.0	150	32.5	01-69		2	2	60	SH GRAVEL (F)		*ESTIMATED
*3904	1800	16.0			34.8	01-54	12-60	4	7	130	RIVER GRAV, PROD (M)		*ESTIMATED
2201	2010	12.0			37.0	01-67	07-74	7	8	150	PENN SD, PROD (S)		*ESTIMATED SINCE 1968
3868	1500	15.0			37.0	04-65		1	3	60	PENN SD, PROD (S)		*ESTIMATED
*3973	1480	13.0	15.0	160	32.9	03-61	09-67	6	3	60	SH SD, PROD (M)		*INCL PRIM PROD SINCE 1961
													*EST FOR 1964-66
3909	1500	18.0	15.0	1400	34.0	09-53		2	3	80	TAR SPGS, PROD (S)		*NO DATA 78-80; NO DATA 69-80
	1538	14.0											
*3860	2039	7.0			36.2	06-68	12-77	2	2	30	PRODUCED (S)		*ESTIMATED SINCE 1976
ASHLEY, WASHINGTON													
4023	1440	7.0				11-56		4	14	180	PRODUCED (S)		*ESTIMATED
ASHLEY E, WASHINGTON													
4022	1690	8.0				07-69		2	4	60	PRODUCED (S)		*ESTIMATED
ASSUMPTION C, CHRISTIAN													
104	2329	20.0			40.0	06-66		2	8	200	PRODUCED (S)		*ESTIMATED SINCE 1970
100	1090	13.0	19.0	100	38.0	07-50		2	9	40	PRODUCED (S)		
101	2300	13.0	12.0	50	40.0	05-58		16	24	640	PRODUCED (S)		
102	1150	12.0	22.0	561	39.3	06-55		2	4	40	PRODUCED (S)		
105	2290	15.0			42.3	11-67		6	8	280	PRODUCED (S)		*ESTIMATED SINCE 1976
BARNHILL, WAYNE, WHITE													
*4103	3350	9.0			39.0	01-51	03-63	10	22	260	CYPRESS (S)		
4170	3300	14.0			38.2	10-63		4	4	180	PENN SD (S)		*TEMP SHUT-DOWN 3-72
4171	3560	15.0			36.9	10-63		5	4	200	PENN SD (S)		*INJ. CURTAILED 10-73
*4199	3328	25.0				11-63	12-70	2	4	70	PENN SD, PROD (S)		
*4129	3450	18.0				12-90	01-95	1	2	40	CYPRESS (S)		*INCL PRIM PROD
*4104	3250	14.0	18.7	42	38.0	10-56	12-66	12	10	230	PENN SD, PROD (S)		
*4105	3323	8.0	20.1	108	39.0	10-56	12-59	2	6	40	PENN SD, PROD (S)		
BARTLESDO, CLINTON													
402	970	18.0	21.0	210	38.0	01-54		5	3	80	PRODUCED (S)		*ESTIMATED
*400	970	15.0	22.2	165	37.0	04-52	01-63	5	5	40	TAR SPRINGS (S)		*ESTIMATED
*401	980	12.0	20.0	110	36.9	11-53	01-63	12	19	200	BETHEL, PROD (S)		*ESTIMATED
BEAUCOUP, WASHINGTON													
4013	3046	5.2	12.0	115	38.0	10-70		1	3	280	PENN SD (M)		*ESTIMATED SINCE 1979
BEAUCOUP S, WASHINGTON													
4005	1440	9.0	19.0	240	36.0	11-60		7	10	230	PENN SD, PROD (S)		
4008	1445	9.0	17.5	111	36.0	01-55		1	1	27	PRODUCED (S)		*EST SINCE 1970 *INCL PRIM PROD
BEAVER CREEK, BOND, CLINTON													
*1	1140	8.0	20.7	208	37.4	07-53	12-61	1	4	40	PROD (S)		
2	1100	10.0	20.0	110		06-68		1	1	10	PRODUCED (S)		
BEAVER CREEK S, BOND, CLINTON													
415	1180	12.0			33.0	08-69		1	4	40	CYPRESS, PENN (S)		*DUMP FLOOD
405	1110	8.0			34.0	01-56		3	11	140	PRODUCED (S)		*ESTIMATED
BELLAIR, CRAWFORD, JASPER													
600	600	18.0	17.1	148	31.0	07-48		56	50	204	SH SD, PROD (M)		*ESTIMATED *SINCE 1-64
601	560	21.0	19.0	149	32.0	07-48		35	69	443	GRAV, PROD (M)		*ESTIMATED
*666	950	16.0	17.2	125	39.0	02-53	02-61	15	11	70	PENN SD, PROD (M)		
BELLE PRAIRIE, HAMILTON													
1577	3400	7.0				03-68		1	8	160	PRODUCED (S)		*INJ. DISC. *INCL. PRIM SINCE 70
BEHAN, LAWRENCE													
*2268	1890	10.0				09-63	10-67	4	7	200	PRODUCED (S)		
2287	1890	9.0				10-68		2	2	60	PRODUCED (S)		*ESTIMATED
BENTON, FRANKLIN													
1300	2100	35.0	19.0	165	37.5	11-49		21	26	2200	LAKE, PROD (M)		
1314	2760	17.0	18.2		39.0	05-62		9	6	950	CYPRESS, PROD (M)		
	2810	7.0								7	320		
	2890	12.0								6	320		
BENTON N, FRANKLIN													
*1328	2590	8.0				02-66	04-71	6	9	140	DEGONIA, PROD (S)		
	2660	12.0						6	9	140			

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBLs)			
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	
PROJECT NO., OPERATOR	U # UNIT		S = T = R				
ABD				TOTAL CUM.	TOTAL CUM.	TOTAL CUM.	
P, M				1981 12/81	1981 12/81	1981 12/81	1981 12/81
BENTON N, FRANKLIN CONTINUED							
*1328 FARRAR OIL CO.		OHARA					
1332 H & W OIL CO	BENTON NORTH	MCCLOSKEY					
1326 SHAKESPEARE OIL	NORTH BENTON UNIT	PAINT CREEK	36-58-2E	1241	113*	700**	
		PAINT CREEK	1-68-2E	3673*	466*	1456*	
		OHARA					
		SPAR MTN					
BERRYVILLE C, EDWARDS, WABASH							
*3942 PHILLIPS PET. CO	TARPLEY C	MCCLOSKEY	2-1N-14W	35		103	
*3943 PHILLIPS PET. CO	TOWNSEND	MCCLOSKEY	35-2N-14W	50		86	
1026 RK PET. CORP.	W SALEM WPU	SPAR MTN	9-1N-14W	90 1767*	2,5	615	90 774*
BLACKLAND, CHRISTIAN, MACON							
*2300 FEAR AND DUNCAN	DAMERY C	SILURIAN	5-15N-1E	6		4	
BONE GAP C, EDWARDS							
1013 R. G. CANTRELL	BONE GAP UNIT	WALTERSBURG	18-18-14W	70	3163*	4,1	595
1034 BERNARD PODOLSKY	BONE GAP SOUTH U	CYPRESS	19-18-14W	575*	0,6	38	70* 3163*
						40	282
BOULDER, CLINTON							
* 411 TEXACO, INC.	BOULDER BENOIST 80 U	BENOIST	2-2N-2W, 3S, 36-3N-2W	9234	681	4368	
BOURBON C, DOUGLAS							
* 800 T. J. LOGUE	BOURBON POOL WF	SPAR MTN	2, 11, 12-15N-7E	6000*	500*		
BOYD, JEFFERSON							
2000 N. A. BALDRIDGE	BOYD FIELD UNIT	BENOIST	18, 19, 20, 29, 30-18-2E	200*	59149**	6,6	4350
		AUX VASES	13, 24, 25-18-1E	18626*		200*	47599*
BROWN, MARION							
2615 DONALD G. GEARY	LEONARD-LANCASTER	CYPRESS	16-1N-1E	22	509*	2,4	33
						11	255*
BROWNS, EDWARDS, WABASH							
3850 GALLAGHER DRILLING	SCHONAMAN WF	OHARA	3, 10-28-14W	35*	714*	10,8	385*
1021 SUPERIOR OIL CO.	BROWNS U CYP-BETHEL	CYPRESS	28, 33-18-14W	252	2940*		5*
		BETHEL		111	1270*	9,6	449
3894 TARTAN OIL CO.	BROWNS U	TAR SPRINGS	33-18-14W	40*	1552*	1,4	87
		CYPRESS					123 1056
							40* 1171*
BROWNS E, WABASH							
3912 T. W. GEORGE EST.	BELLMONT WF ASSOC	CYPRESS	1, 2, 11, 12-28-14W	3009	905	1122	
*3914 T. W. GEORGE EST.	SOUTH BELLMONT	CYPRESS	11, 14-28-14W	276	18	22	
3913 MOBIL OIL CORP.	BELLMONT	CYPRESS	2, 11-28-14W	822	582	268	
3950 RAM OIL CO.	MORRIS-BELLMONT	CYPRESS	11-28-14W	100	1407	1,3	145
						10	546*
BUNGAY C, HAMILTON							
*1554 ALENE BLADES	HAYES	AUX VASES	15-48-7E	488	41	180	
1574 C. E. BREHM	BUNGAY	AUX VASES	15, 16-48-7E	30*	6415*	0,9	711
1550 COLLINS BROS.	SOUTH BUNGAY UNIT	RENAULT	34, 35-48-7E	100*	5569*	2,4	345
1558 COLLINS BROS.	NORTH BUNGAY	RENAULT	13, 14, 23, 24-48-7E	25*	6045*	0,8	511
		AUX VASES					100* 3903*
1572 COLLINS BROS.	ODELL	AUX VASES	17-48-7E	200*	2140*	9,8*	188*
1576 WALTER DUNCAN	WALKER	AUX VASES	16-48-7E	51	1495	2,2	101
1555 EXYON	BUNGAY A V UNIT	AUX VASES	14-48-7E	18	1254	2,9	385
1527 FEAR AND DUNCAN	ODELL	RENAULT	16-48-7E	50*	1069*	4,7	167
1519 MID-STATES OIL PROP	BUNGAY U WF	AUX VASES	21-48-7E		710		74*
*1522 R. REBER	BUNGAY 1-A	AUX VASES	20, 27, 34, 35-48-7E	11011**	857**		8487**
*1500 TEXACO, INC.	BLAIRVILLE U	AUX VASES	16, 17, 20, 21-48-7E	7692	699		2457
*1530 TEXACO, INC.	J. A. LYNCH	AUX VASES	16-48-7E	1921	75		707
CALHOUN C, RICHLAND, WAYNE							
*3400 ASHLAND O AND R	CALHOUN	MCCLOSKEY	7, 18-2N-10E, 13-2N-9E	3032	157		
3401 SAM TIPPS	BONLANDER UNIT	MCCLOSKEY	6, 7-2N-10E	2175	235*	1681*	
3447 UNION OIL CALIF.	CALHOUN	MCCLOSKEY	12, 13, 24-2N-9E	6000	405*	6000*	
CALHOUN E, RICHLAND							
3423 ALVA C. DAVIS	SLUNAKER	MCCLOSKEY	7-28-11E	93	1*	4*	
CALHOUN S, EDWARDS, RICHLAND, WAYNE							
4086 ZANEYIS OIL PROP	RUTGER	MCCLOSKEY	1, 2-1N-9E	8	385	4,9	177
						8*	385*
CARLYLE N, CLINTON							
407 T. H. CONREY, JR	KREITEMEYER	BENOIST	23-3N-3W	60*	1240*	3,5	110
						60*	663*
CARM1, WHITE							
4402 ROYAL O AND G	NIEKAMP	MCCLOSKEY	26-58-9E	50*	556	2,2	89
						50*	556
CARM1 N, WHITE							
4443 NICK BABARE	GATES-REBSTOCK	AUX VASES	3, 4-58-9E	20*	1065*	1,9	81*
						20*	825*
CASEY, CLARK							
* 217 CALVAN AMERICAN	SHAWVER	CASEY	23, 24-10N-14W	49			
* 201 FOREST OIL CO.	CASEY	CASEY	14, 15, 23-10N-14W	8030	462		
* 202 D. W. FRANCHOT	N. CASEY	CASEY	33, 34-11N-14W	3032	38		
			4, 5-10N-14W				
CENTERVILLE, WHITE							
4409 ABSHER OIL CO	BROWN UNIT	OHARA	2-48-9E	14*	473*	0,5	17
4267 D. B. LESH	CENTERVILLE E	SPAR MTN	12-48-9E			4	4
CENTERVILLE E, WHITE							
4203 ABSHER OIL CO	E. CENTERVILLE UNIT	TAR SPRINGS	18-48-10E	90*	10418*	2,0	1031
		CYPRESS				90*	8385*
		BETHEL					
		AUX VASES					
4379 ABSHER OIL CO	EAST CENTERVILLE UNIT	TAR SPRINGS	7, 8, 17-48-10E	400*	26500*	15,9	2315
		HARJINSBURG				400*	19675*

in Illinois, 1981—continued

RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER												

FIELD, COUNTY	PERM	OIL	DATE	DATE	NO. OF	ACRES	SOURCE	TYPE				
PROJ.	DEPTH	NET	POR	(MD)	GRAV	FIRST	ASD,	UNDER	GR	GRAVEL	(F) FRESH	(B) BRINE
* NO.	* (FT)	* PAY	* (S)	* (API)	* INJ.	* INJ.	* PROD.	* INJ.	* PROD.	* PROD.	(M) MIXED	REMARKS

BENTON N, FRANKLIN												
CONTINUED												
*1328	2730	5.0				4	4	90				
	2800	8.0				3	4	140				
1332	2550	12.0		39.6	06-69	4	4	100	PRODUCED (B)		*OP SUSP 1-78	
*1336	2590	9.2	18.0	22	36.0	12-66	12-77	9	13	180	PENN SD (B)	*ESTIMATED 1976-77
	2755	6.0	12.0			1	3	80				
	2800	6.0				1	1	40				
BERRYVILLE C, EDWARDS, WABASH												
*3942	2890	10.0				09-52	01-53	1	2	14	TAR SPGS, PROD (B)	
*3943	2890	10.0				02-52	06-53	1	2	27	TAR SPGS, PROD (B)	
1024	2990	10.0				01-70		1	1	80	SUPPLY WELL (M)	*EST
BLACKLAND, CHRISTIAN, MACON												
*2300	1920	10.0		37.0	10-63	12-63	1	2	80		AUX VASES (B)	
BONE GAP C, EDWARDS												
*1013	2310	20.0	16.0	120	34.6	06-52		1	10	120	PRODUCED (B)	*ESTIMATED SINCE 1973
1034	2320	10.0	17.3			02-66		1	2	60	PRODUCED (B)	*NO INJECTION 1981
BOULDER, CLINTON												
* 411	1200	25.0	17.9	104	34.6	09-60	10-64	25	17	470	PROD (B)	
BOURBON C, DOUGLAS												
* 800	1600	12.0			34.0	09-59	11-66	18*	30*	800*	PRODUCED (B)	*DATA WERE ESTIMATED
BOYD, JEFFERSON												
2000	2065	17.3	17.5	173	39.5	06-55		2	8	1564	PRODUCED (B)	*ESTIMATED SINCE 70; *INCLUDES BOTH PAYS SINCE 76
	2130	11.9	21.4	24	36.8	03-55		5	10	569		
BROWN, MARION												
2615	1650	10.0			33.0	07-60		1	2	40	PRODUCED (B)	*ESTIMATED
BROWNS, EDWARDS, WABASH												
3850	3022	8.0			35.4	11-66		2	4	380	SH SD (F)	*EST SINCE 1980
1021	2640	8.2	16.8	106	36.8	11-59		6	9	190	PRODUCED (B)	*ADJUSTED
	2780	6.3	17.5	5	36.8			3	7	120		*INJECTION SUSPENDED 1975-1980
3894	2300	10.0	16.0			11-62		2	2	60	PRODUCED (B)	*ESTIMATED
	2600	15.0	17.0					11	7	180		
BROWNS E, WABASH												
*3912	2570	13.0				01-51	01-57	18	18	290	SH SD, PROD (M)	*INCL PRIM PROD
*3914	2560	8.0			37.0	04-56	09-74	1	2	75	PENN SD, PROD (B)	
*3913	2570	11.0			39.0	11-47	07-63	6	8	169	TAR SPGS, PROD (B)	*NO INJ SINCE 12-58
3950	2580	7.0	16.0		35.0	08-67		2	4	139	GRAV BED (F)	*EST
BUNGAY C, HAMILTON												
*1554	3275	13.5	21.8	104	36.0	09-65	12-70	2	4	60	SH SD, PROD (M)	*NO DATA
1574	3270	12.0				11-64		2	25	270	PRODUCED (B)	*ESTIMATED
1550	3280	6.0	12.0	244	36.5	08-64		7	7	300	PENN SD, PROD (B)	*ESTIMATED SINCE 1973
1558	3280	8.0	18.9	385	39.0	09-65		4	5	100	PENN SD (B)	*ESTIMATED SINCE 1973
	3300	10.0	20.0	100				6	5	120		
1572	3260	15.0				01-55		1	7	90	PRODUCED	*EST; *INCL PRIM PROD
1576	3260	15.0				07-67		1	2	40	PRODUCED (R)	
1555	3275	12.0	20.6	312	36.6	05-69		1	5	220	PRODUCED (B)	
1527	3254	12.0	18.0	350	38.0	01-67		1	4	60	PRODUCED (B)	*ESTIMATED SINCE 1970
*1519	3331	15.0	20.0	80	39.1	09-66	04-73	3	5	90	SH SD, PROD (M)	*ESTIMATED 1971-73
*1522	3300	17.0	22.0	182	41.0	05-61	1-76	8	5	390	CYPRESS, PROD (B)	*ESTIMATED; *NO DATA 1975-76
*1500	3330	15.9	19.6	92	37.0	06-48	07-64	10	12	640	PENN, PROD (B)	
*1530	3300	25.0	17.8	107	37.0	09-61	10-68	5	5	130	PENN SD, PROD (B)	
CALHOUN C, RICHLAND, WAYNE												
*3400	3150	6.0			37.0	09-51	08-64	3	8	280	CYPRESS (B)	
*3401	3130	10.0	11.2	67	39.0	06-50	12-66	3	10	220	PRODUCED (B)	*NO DATA 1959-1966
*3447	3175	20.0				01-49	12-64	8	13	570	PRODUCED AND CYPRESS	*ESTIMATED
CALHOUN E, RICHLAND												
*3423	3260	10.0			37.2	08-65	12-71	2	3	100	TAR SPR, PROD (B)	*INACTIVE 1968-71
CALHOUN S, EDWARDS, RICHLAND, WAYNE												
4086	3250	23.0			39.0	08-66		1	5	40	PRODUCED (B)	*ESTIMATED
CARLYLE N, CLINTON												
407	1142	7.0			34.0	06-55		1	7	80	PRODUCED (B)	*ESTIMATED
CARMI, WHITE												
4402	3143	8.0			30.0	09-65		1	2	60	PENN SD, PROD (B)	*ESTIMATED
CARMI N, WHITE												
4443	3230	13.0				6-59		1	4	80	PENN & PROD (B)	*ESTIMATED; *INCL PRIM SINCE 1959
CASEY, CLARK												
* 217	450	21.5	22.4	108	31.8	08-53	08-54	9	4	40	SH SD (F)	
* 201	450	10.0			31.9	03-50	03-61	76	66	280	GRAV BED AND PROD (M)	
* 202	290	20.0	21.5	400	26.0	12-53	12-68	13	12	40	SH SD, PROD (M)	
CENTERVILLE, WHITE												
4409	3360	13.0			37.0	12-65		1	1	20	PENN SD (B)	*ESTIMATED
*4267	3366	7.0			43.0	06-54	12-55	1	1	20	TAR SPRINGS (B)	*INCL PRIMARY SINCE 6-54
CENTERVILLE E, WHITE												
4203	2470	17.0	16.0	97		03-56		5	8	130	PALESTINE, PROD (B)	*ESTIMATED SINCE 1973
	2890	17.0	15.0	12				8	9	190		
	2960	17.0	14.0	8				4	4	80		
	3060	20.0	20.0	45				4	7	110		
4379	2460	37.0	15.7		36.6	01-63		22+	17+	420+	SH SD, PROD (M)	*ESTIMATED; *INCL 4246 WELLS AND ACREAGE
	2632	10.0						1	1	10		

TABLE 11. Waterflood operations

 * GENERAL INFORMATION * PRODUCTION AND INJECTION STATISTICS (M BBL/S) *

 * FIELD, COUNTY * * * * * WATER * OIL * WATER *
 * * * * * PROJECT * PAY NAME * LOCATION * INJECTION * PRODUCTION * PRODUCTION *
 * PROJECT NO., OPERATOR * U = UNIT * S = T = R * * * * *
 * * ABD * * * * *
 * * P, M, * * * * *

 * TOTAL * CUM. * TOTAL * CUM. * TOTAL * CUM. *
 * 1981 * 12/81 * 1981 * 12/81 * 1981 * 12/81 *

CENTERVILLE E, WHITE
 CONTINUED
 4379 ABSHER OIL CO

PROJECT NO., OPERATOR	U = UNIT	PAY NAME	LOCATION	INJECTION	PRODUCTION	PRODUCTION	PRODUCTION	PRODUCTION
			S = T = R					
				1981	12/81	1981	12/81	1981
4394 ABSHER OIL CO	JONES=BAIRD	CYPRESS	7=48=10E	20*	1339*	1.0	139	20*
4376 NICK BASARE	JONES ESTATE	CYPRESS	7=48=10E	20*	1269*	0.9	183	20*
4246 SUN OIL CO.	E, CENTERVILLE	TAR SPRINGS	7=48=10E		269		39	
2623 WILLIAM PFEPPER	PFEPPER U	PENNSYLVNIN	8=1N=1E	25	427	1.3	30	25
419 KARCHMER PIPE	KARCHMER=TRENTON	TRENTON	1,2=1N=1W,26,27,34,35	20*	3805	18.9	574	20*
403 W. O. MORGAN	CENTRALIA FIELD	BENOIST	35=2N=1W		880*		98*	880*
420 HUBERT ROBE	BUEHLER COMM	DEVONIAN	35=2N=1W	400*	15489*	13.3	278	400*
412 FRED SEIP	ROTHMEYER,BUEHLER,COE	CYPRESS	1=1N=1W	15*	1202*	0.4	74	15*
416 FRED SEIP	HEFTER MRS	BENOIST	13=1N=1W	90*	1078*	3.6	86	90*
404 SHELL OIL CO.	CENTRALIA U	CYPRESS	1,2,12=1N=1W,	820	27396	27.3	11302	1062
		BENOIST	35,36=2N=1W				34	21
		TRENTON	35=2N=1W		236			
801 ROYALCO, INC.	ARCOLA UNIT	SPAR MTN	5,6=14N=8E, 31=15N=8E	6471		1130		1977
3603 SCHAEFER OIL CO.	CLARKSBURG	BENOIST	8,17=10N=4E	10*		4*		10*
1900 ASHLAND O AND R	RICHLAND, WAY	MCCLOSKEY	2,3,10=6N=10E		333		16	
3402 ASHLAND O AND R	8008 EAST	MCCLOSKEY	35=4N=9E		318		8	
1928 ATHENE DEVEL.	NOBLE NORTH	MCCLOSKEY	5=5N=10E		*		91	450
3419 WM. & P. BECKER	ROBERTS&BOWERS	CYPRESS	26=4N=9E	50*	2833*	2.4	426	50*
362 C. E. BOOTH	WAKEFIELD=HARRELL U	AUX VASES	4=2N=7E		175		35	70
381 C. E. BOOTH	STANFORD	AUX VASES	15,16=2N=7E		545*		32	540*
1915 C. E. BOOTH	MURD & PETTIJOHN	SPAR MTN	12=5N=9E	27	1055*	0.8	96	27
3408 C. E. BOOTH	DELLA HARVEY	MCCLOSKEY	30,31=3N=9E,	37	4064*	0.5	168	37
	8, NOBLE CONSLO		25,36=3N=8E					
3403 H. L. BROCKMAN	EAST NOBLE UNIT	SPAR MTN	10=11=3N=9E		3464*		251*	1736*
380 BRUER & ROBINSON	NORTH CLAY CITY	CYPRESS	8,9,16,17=3N=8E		4500*		311*	4000*
4064 CARL BUSBY	GSTN, SMS, MNHS, FSL, MCN	AUX VASES	24,25=18=8E	288	2073*	18.0	195	72
4107 CONTINENTAL OIL	WILSON 'B'	SPAR MTN	15=13=8E		212		13	53
4073 COY OIL CO	EAST GEFF	AUX VASES	8,17=13=8E		581		32	18
4147 CULLUM OIL CO.	ROBERTSON=GING=CREWS	AUX VASES	27,28=18=8E	110*	3881*	6.5	263	110*
1913 DORAN OIL PROP.	BERGBOWER	MCCLOSKEY	4=6N=10E		141		17	2310*
4109 F AND W OIL CO.	MILLER=LAMBRICH U	OHARA	29=1N=8E		*		144	
4146 F AND W OIL CO.	MT. ERIE UNIT	SPAR MTN			8541*	3.8	1100	40*
4174 PARKAR OIL CO.	MULT	AUX VASES	33,34,35=1N=8E	60*	1579**	1.6	162+	60*
4156 FRMERS PETR COOP	BEARD, BOKAH, WILSON U	AUX VASES	10=13=8E		815*	0.9	385	3
1927 FINKS OIL CO.	ROUTE 33	MCCLOSKEY	27,28,34=7N=10E	100*	2330*	6.2	143	100*
4111 GALLAGHER DRILLING	M.OSTERMAN	AUX VASES	14,23=13=8E	300*	1594*	6.6*	71*	150*
		OHARA						
4175 DONALD W. GEBELL	NE GEFF UNIT	MCCLOSKEY	7=18=8E	13	310*	3.6	61*	13
4173 J. D. GORDON	BOTHWELL	AUX VASES	24=8N=7E	35*	879*	1.3*	104*	35*
1906 GLEN GRIFFITH	WILLOW HILL COOP	MCCLOSKEY	6=6N=11E		116*		26	245
317 GULF OIL CO	S. STANFORD U	AUX VASES	8,9,16,17=2N=7E		2805		370	810
4130 GULF OIL CO	WINDNA	MCCLOSKEY	12=18=8E		25			300
4094 ILL. LSE. OP.	BLACKBURN	AUX VASES	3=18=8E		47		6	10
4181 ILL. LSE. OP.	MILL, THOMPSON, BRSN.	AUX VASES	27=2N=7E		610		36	235
4197 ILL. LSE. OP.	BORAH	AUX VASES	4=13=8E		15*		61	99
4198 ILL. LSE. OP.	J. D. VURDULAS	OHARA	26=13=7E		205*		41*	230*
4184 ILL. MID=CONT.	CREWS=SHORT COOP	AUX VASES	33,34=15=8E		503*		34*	503*
4119 KIRBY PETROLEUM	KIRBY	AUX VASES	16,17=1N=7E		2464		360	391
1925 D. R. LEAVELL	NEWTON EAST	MCCLOSKEY	34=7N=10E, 35=6N=10E	+	1140*	+	80*	+
4057 E. K. LEWIS	OLLIE GROVE	MCCLOSKEY	27=1N=8E	10*	287*	0.4	51*	10*
4056 DAE V LOVE	AYRES	SPAR MTN	8=13=7E	+	+	0.4	101	50*
4140 DAE V LOVE	BARNARD=HOLMAN=LITSON	AUX VASES	10=15=7E	30*	730*	1.4	86	30*
3416 MARATHON OIL CO.	NOBLE COOP U	MCCLOSKEY	8=3N=9E		*		*	*
3421 MURVIN OIL CO.	WAKEFIELD POOL U	CYPRESS	24=4N=9E		2966**	1.2	488	50*
4055 MURVIN OIL CO.	ELM RIVER FLOOD	AUX VASES	32,33=1N=8E		1330**		170**	850**
4058 MURVIN OIL CO.	BORAH	AUX VASES	33=1N=8E				93*	250*
4060 MURVIN OIL CO.	PIKE	AUX VASES	14=18=7E	70*	1227*	3.5*	60*	70*
4092 NOAH PET	CREWS MIDDLE UNIT	AUX VASES	33=13=8E	120*	4170	1.7	175	
300 O M AND P OIL CO	N CLAY CITY U	MCCLOSKEY	5,8=3N=8E		319*		154*	836*
372 PARTLOW, COCHNOR	MENDERSOHN & SKELTON	CYPRESS	17=2N=8E	100*	1745*	5.1	260	100*
		AUX VASES						
4069 PARTLOW, COCHNOR	HOSELTON & GILL	SPAR MTN		75*	1465*	2.4	171	75*
		CYPRESS	20=2N=8E					
301 PHILLIPS PET. CO	MINNIE	SPAR MTN	24=3N=7E		181		79	460
3427 BERNARD PODOLSKY	COEN U	AUX VASES	36=5N=9E	17	291	1.3	44	*
3449 BERNARD PODOLSKY	CLARK=GRUBB=EVANS	CYPRESS	18=3N=9E	45*	970*	0.6	172*	65*
4087 BERNARD PODOLSKY	W JEFFERSONVILLE	AUX VASES	15,16=13=7E	6	684*	0.7	46	13
4149 BERNARD PODOLSKY	MARSHALL	AUX VASES	16=18=8E		640*	0.3	70*	473
4159 BERNARD PODOLSKY	NW FAIRFIELD U	OHARA	26,35=15=7E	60	2850	6.9	373	16
4194 BERNARD PODOLSKY	GRAY	AUX VASES	16,21=18=8E	16	1569	1.2	104	3
4082 RAYMAC PETROLEUM CO.	CREWS=SHORT COOP	AUX VASES	33=13=8E	44	1423	2.6	179	665
384 E B REYNOLDS EST.	WEILR, EUNS, HOLY, DEHRY	CYPRESS	13,34=3N=8E		1005**	8.1	305	1005*
		AUX VASES						
1901 ROBINSON PROD.	NE MCCLOSKEY U NO 1	MCCLOSKEY	13,14,24=7N=10E		1367		282	328
1902 ROBINSON PROD.	WILLOW HILL, SE BAR	MCCLOSKEY	23,26=7N=10E		3326		639	1113

in Illinois, 1981—continued

***** RESEVOIR STATISTICS (AV. VALUE) ***** DEVELOPMENT AS OF 12-31-81 ***** INJECTION WATER *****												
FIELD, COUNTY		PERM OIL		DATE		DATE		ACRES		SOURCES		TYPE
NO.	(PT)	NET (%)	POR	(MD)	GRAV	FIRST	ADD.	UNDER	SH	GRAVEL	(M)	MIXED
NO.	(PT)	(%)	(%)	(API)	INJ.	INJ.	PROD.	INJ.	PROD.	SH	SHALLOW	REMARKS

CENTERVILLE E, WHITE												
CONTINUED												
4379	2890	35.0	14.4					16	16	340		
	2980	18.0	14.1					15	16	330		
	3080	19.6	19.6	109				18	19	350		
	3225	6.0						1	2	60		
4394	2910	15.0	14.4	109	36.6	10-63		2	2	100	PRODUCED (B)	*ESTIMATED
4376	2900	16.0	15.7	21	35.4	09-63		2	2	40	PURCHASED (B)	*ESTIMATED
*4246	2930	6.0			36.6	10-50	09-57	*	*	*	PRODUCED (B)	*ACREAGE&WELLS INCL. W/4379
CENTRAL CITY, MARION												
2623	864	22.0			34.0	10-64		1	3	60	PRODUCED (B)	
CENTRALIA, CLINTON, MARION												
419	3990	99.9			40.0	11-66		21	32	1080	AUX VASES (B)	*EST. SINCE 1979
* 403	1368	10.0			38.0	10-55	01-74	1	3	40	CYPRESS, PROD (B)	*ESTIMATED
420	2880	29.0			38.8	06-66		2	4	269	PRODUCED (B)	*ESTIMATED
412	1200	10.0		80	34.0	11-60		3	6	45	PRODUCED (B)	*ESTIMATED SINCE 1970
416	1360	10.0			35.0	09-70		1	5	100	PRODUCED (B)	*ESTIMATED SINCE 75
404	1200	20.4	20.2	225	34.8	05-56		53	48	1430	PENN. A V. DEV SOURCE	
	1390	19.6	19.6	186						1960	CYP. BEN, PROD (B)	
* 408	3990	22.0	10.0		39.8	11-51	03-53	2	12	160	DEVONIAN (B)	
CHESTERTON E, DOUGLAS												
* 601	1725	10.0	16.0	167	38.0	09-61	08-73	14	24	380	RIVER, PROD (M)	
CLARKSBURG, SHELBY												
*3803	1775	11.0				10-74	10-75	1	2	30	PRODUCED (B)	*ESTIMATED
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY												
*1900	2645	8.0			40.0	09-53	04-60	3	3	40	GRAV, PROD (M)	
*3402	3000	5.0			38.0	07-54	04-61	1	1	20	CYPRESS (B)	
*1928	3275	25.0				6-66	01-79	+	4	80		*ADJ TO PRD, 1922 SINCE 66/
3419	2340	28.0	18.0	140		07-60		5	5	100	PENN SD, PROD (B)	*ESTIMATED SINCE 1970
* 362	2970	10.0			36.0	12-66	04-73	1	1	20	PENN SD, PROD (B)	
* 381	2960	16.0				11-71	08-81	3	5	80	PRODUCED (B)	
1915	2960	10.0	13.6		35.1	03-62		1	1	50	PENN SD, PROD (B)	*ESTIMATED 1968-80
3405	2975	5.0	15.0	24		07-57		1	1	448	PRODUCED (B)	*ESTIMATED 1970-80
*3403	2950	11.0			38.0	05-55	12-71	5	13	260	PRODUCED (B)	*NOT OPERATED 1968-1971
* 380	2630	19.0				06-58	03-67	3	18	160	SH. SD, PROD. (M)	*ESTIMATED
4064	3090	10.0				1-72		4	11	380	PRODUCED (B)	*ESTIMATED 74 THRU 79,
*4107	3160	10.0				04-55	04-63	1	2	40	CYPRESS, PROD (B)	
*4073	3075	10.0	19.0	30	40.0	01-69	01-72	3	3	100	SH SAND (F)	
4147	3130	12.0			39.0	01-61		4	10	250	PENN SD, PROD (B)	*ESTIMATED SINCE 1973
*1913	2850	16.0				10-60	12-64	1	10	240	CYPRESS (B)	
*4109	3060	15.0				08-50	01-63	4	4	150	CYPRESS (B)	*DUMP FLOOD, NO RECORD
	3080	15.0						4	4	150		
	3100	15.0						4	4	150		
4146	3000	11.0	13.0	16	40.2	10-60		1	8	720	SH SD, PROD (M)	*SHD INTO CYP. +EST. SINCE 71
4174	3121	7.0				08-64		1	3	40	PRODUCED	*ABD 1963-68/ +EST. SINCE 1976
								1	3	40		
4156	3100	14.0			40.0	07-62		+	2	200	PENN SD (B)	*SHD SINCE 12-69
1927	2950	23.0				06-69		1	8	110	PRODUCED (B)	*ESTIMATED
4111	3090	15.0				06-71	05-75	2	4	80	PENN SAND, PROD (B)	*ESTIMATED
	3100	8.0				04-58				70		
	3150	10.0				06-71	05-75			70		
4175	3031	15.0	20.0	27	38.5	02-64		1	3	40	PENN SD, PROD (B)	*TEMP ABD 9-70 TO 1-77
4173	2990	5.0			37.0	07-63		2	2	20	PRODUCED (B)	*EST. +AFFECTED BY ADJ A.V. FLOOD
*1906	2634	9.0	15.0	24		06-57	12-79	1	1	70	PRODUCED (B)	*CONVERTED TO DISPOSAL
* 317	2975	11.8	19.8	97	38.8	05-54	12-60	9	8	170	PENN SD, PROD (B)	
*4130	3115	8.0	12.0		40.1	08-55	10-56	1	1	12	TAR SPRINGS (B)	
*4094	3031	26.0				04-66	04-69	1	1	20	PENN SD (B)	
*4141	3130	12.0			32.6	03-60	10-65	3	7	160	PRODUCED (B)	
*4197	3040	22.0				01-66	01-73	1	1	20	PRODUCED (B)	*INJ SUSPENDED 8-66
*4198	3215	20.0			38.0	10-62	08-68	1	3	40	PENN SD (B)	*NO DATA BEFORE 1965
*4184	3130	15.0	14.0	40		12-65	05-74	3	6	60	PENN SD (B)	*ESTIMATED
*4119	2900	5.0	19.0		38.0	01-55	03-62	4	15	400	PENN SD, PROD (B)	
1925	2650	15.0				08-70		4	12	280	CYP. SURFACE (M)	*INACTIVE, 72-73/NO DATA SINCE 80
	2950	18.0						3	12	280		
4057	3065	12.0				12-58		1	1	30	PRODUCED (B)	*EST. +INCL PRIM SINCE 1958
4056	3250	14.0				8-69		+	1	20	AUX VASES	*EST. +ACCIDENTAL OR DUMP FLOOD
4140	3135	13.0			38.4	12-60		2	4	60	PRODUCED (B)	*ESTIMATED SINCE 1970
*3416	2500					08-54	10-60	3	8	120	PRODUCED (B)	*INCL WITH 3409
3421	2535	21.0			35.0	10-60		6	13	320	TAR SPGS (B)	*INJ. TERMINATED 1973/ +EST
*4055	3025	19.0				8-63	8-69	5	8	150	PRODUCED (B)	*EST. +NO DATA
*4058	3000	24.0				10-60	12-72	+	2	30		*EST. +ADJ. TO 4146 1960-72
4060	3100	9.0				01-70		2	6	110	PRODUCED (B)	*EST. +INCL PRIM SINCE 1-71
4092	3110	28.0				08-65		5	4	260	PENN SD, PROD (B)	*EST. SINCE 1979
* 300	3010	5.0				06-55	01-76	4	8	220	RIVER, PROD (M)	*ESTIMATED
372	2650	10.0				06-69		1	4	80	PRODUCED (B)	*ESTIMATED
	2920	20.0						1	4	80		
	3002	8.0						1	5	80		
4069	2640	12.0				06-68		1	5	60	PRODUCED (B)	*ESTIMATED
	3010	8.0						1	5	60		
* 301	2990	30.0	14.0	2000	38.5	07-53	05-58	1	1	20	PROD (B)	
3427	2800	6.0			36.0	05-64		1	4	50	PENN SD, PROD (B)	*DATA NOT AVAILABLE
3449	2615	9.0				07-62		1	5	60	PRODUCED (B)	*EST. +INCL. PRIM. SINCE 66
4087	3120	13.0				06-67		3	4	120	SH WELL (F)	*ADJUSTED BY OPERATOR
4149	3120	20.0			38.0	11-65		3	8	100	PURCHASED (F)	*INJ. DISCONT. 73+ADJ. BY OPERATOR
4129	3200	7.2	13.0	200	40.1	10-62		3	4	490	PENN SD (B)	
4194	3190	12.0			39.0	11-65		4	9	100	CYPRESS (B)	
4082	3100	21.0				04-67		2	4	70	PRODUCED (B)	
384	2600	20.0				06-61		1	11	120	PRODUCED (B)	*ESTIMATED +ADJ. TO PROJECTS
	2910	11.0						+	1	20		*335 & 338 SINCE 1961/ INCL
	2975	4.0						+	1	20		*SOME SALEM OIL
*1901	2950	8.2	14.0		38.0	05-51	01-70	2	6	239	PRODUCED (B)	
*1902	2980	8.2	14.0		40.0	05-53	01-70	3	5	415	SH SD, PROD (M)	

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBLs)					
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER	OIL	WATER	INJECTION	PRODUCTION	PRODUCTION	
PROJECT NO., OPERATOR	U = UNIT		S - T - R							
ADD							TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	
P.M.							1981 * 12/31	1981 * 12/31	1981 * 12/31	
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY										
CONTINUED										
4046	ROBINSON PROD.	GILL-BISSEY-SMITH	AUX VASES	24-2N-7E	90	490	7.5	60	90	490
4048	ROBINSON PROD.	RINKEL	AUX VASES	33,34-1N-8E	25	98	9.8	60	25	98
4067	ROBINSON PROD.	NE GEFF-MURPHY	AUX VASES	5,6-18-8E	145	1158	4.8	137	37	275
4068	ROBINSON PROD.	CARTER U	AUX VASES	28,29,32,33-1N-8E	39	325	16.0	84	12	63
4088	ROBINSON PROD.	WESLEY FELLER	AUX VASES	7-1N-8E		368		83		408
4179	ROBINSON PROD.	HILLER & THACKER	AUX VASES	19-18-8E	105	688	6.0	86*	70	371*
4113	ROBINSON, PUCK.	N PUCKETT U	AUX VASES	9-28-8E		966		122		
4116	ROBINSON, PUCK.	S PUCKETT U 1	AUX VASES	16-28-8E		4337		458		1798
1918	HUBERT ROSE	LIBERTY W UNIT	MCCLOSKEY	16,21-5N-10E		319*		24*		24*
1930	HUBERT ROSE	MCCLANE-MAY	MCCLOSKEY	8,17-6N-10E	60*	1045*	3.1	182*	60*	1045*
1931	HUBERT ROSE	MATTINGLY	AUX VASES	5-5N-10E			4.0	64	30*	410*
3433	HUBERT ROSE	DUNDAS WEST UNIT	MCCLOSKEY	28,33-5N-10E		1384**		65**		170**
3436	HUBERT ROSE	SOUTH NOBLE UNIT	MCCLOSKEY	29,32-3N-9E	20*	2033*	0.2	140	20*	2033*
4186	HUBERT ROSE	SYCAMORE CONSOL	AUX VASES	22,23,24-2N-7E	120*	4293*	5.6	295	120*	2838*
347	J. W. RUDY DRLE.	ED WILSON	AUX VASES	32-3N-8E		235		44		41
363	J. W. RUDY DRLE.	CLARK LEASE	CYPRESS	20-3N-8E		62		7		32
4088	J. W. RUDY DRLE.	FLEXTER	AUX VASES	3-1N-7E	10*	564*	0.7	146	10*	391*
3844	PRED SEIP	R. S. SHATTO	MCCLOSKEY	20-3N-9E	85*	1699*	3.6	166	85*	1739*
3445	SHAKESPEARE OIL	RUNYON-TOTTEN U	SPAR HTN	23-3N-9E		664	1.0	37	4	368
4117	SHAKESPEARE OIL	E. BANKER SCHOOL U	CYPRESS	22-2N-8E		801		219		587
4118	SHAKESPEARE OIL	E. GEFF UNIT	AUX VASES	12,13-18-7E, 7,17,18-18-8E		9553		966		3900
4166	SHULMAN BROTHERS	W GEFF U	AUX VASES	28,33-1N-7E/3,4-18-7E	100+	3786+	7.0	219*	100+	2467**
4177	SHULMAN BROTHERS	NE GEFF U	MCCLOSKEY			467		2900		
4196	JOE SIMPKINS OIL	MEISNER UNIT	AUX VASES	1,11,12,13-18-7E	60*	9989*	3.4	1319	60*	4750*
3428	WAYNE SMITH, DP.	ONION HILL U	AUX VASES	3-28-8E,33,34-18-8E		2344*		239*		1033*
4190	S. ILL. OIL PROD	SOUTH CISNE U	SPAR HTN	1,12-4N-9E, 36-5N-9E		5929		158		3127
1907	M. H. SPICKLER	WILLOW HILL	AUX VASES	27-1N-7E	20*	840*	0.8	95	20*	240*
4047	TAMARACK PET.	ANDSON-FRHM-JRON-WILSON	MCCLOSKEY	36-7N-10E				2		643*
4079	TAMARACK PET.	BLACK OAK SCHOOL U	AUX VASES	23-2N-8E	20*	1090*	0.4	112*	20*	1090*
4081	TAMARACK PET.	CLAY UNIT	AUX VASES	22,23,26,27-18-8E	750	10153	16.2	367	132	1722
4095	TAMARACK PET.	EAST CLAY	AUX VASES	9,10,15,16-18-8E	295	3667	0.5	105	5*	473
4108	TAMARACK PET.	PIERCE	AUX VASES	10-18-8E		284		19		36
4157	TAMARACK PET.	S.W. MT. ERIE U	SPAR HTN	22-2N-8E		1013*		86		922
4191	TAMARACK PET.	CISNE UNIT	AUX VASES	4-18-8E	29	2276	1.3	101	29	566*
4193	TAMARACK PET.	WILSON U	AUX VASES	3,9,10-18-7E	56	3186	1.2	395*	54	939*
4132	TEXACO, INC.	E. GALLIGHER	MCCLOSKEY	23,26-2N-8E	*	2875*	2.0	352	*	1384*
4144	SAH TIPPIS	W GEFF U	AUX VASES	2-28-7E		32				
302	UNION OIL CALIF.	T M & S UNIT	AUX VASES	16,17,21-18-7E		1690		105		1137
304	UNION OIL CALIF.	NE WOODSIDE SCHOOL	CYPRESS	9,10-2N-8E	61	940	1.4	76	43	580
335	UNION OIL CALIF.	WEILER SCHOOL CONSOL	MCCLOSKEY	16,17-2N-8E	32*	1766*	94.0	271	181	1007
341	UNION OIL CALIF.	W,CLAY CITY	CYPRESS	33,34-3N-8E,3,4-2N-8E	1244	10795	88.7	1263	816	5289
349	UNION OIL CALIF.	THOMAS SCHOOL U	MCCLOSKEY	10-2N-7E	642	7675	13.2	329	220	3245
358	UNION OIL CALIF.	BUNNYVILLE C *	MCCLOSKEY	5,6,7,8,17,18-2N-8E/ 12-2N-7E	562	26564	34.1	2399	666	13927
1910	UNION OIL CALIF.	E NEWTON CONSOL	MCCLOSKEY	27,28,29,32,33-3N-8E/ 4,5,6-2N-8E	1093	19566	73.4	2023	1362	15878
1911	UNION OIL CALIF.	MT. GILEAD CONSOL	MCCLOSKEY							
1919	UNION OIL CALIF.	N. DUNDAS U	AUX VASES	27,34-7N-10E	222	6952	2.8	455	53	2643
1922	UNION OIL CALIF.	S BOOB U	MCCLOSKEY	19,20,29,30-5N-10E	1268	17923	29.3	674	2285	11566
1924	UNION OIL CALIF.	HONEY CONSOL	AUX VASES	7,8,9,18-5N-10E	915	26237	38.8	1080	954	12913
3406	UNION OIL CALIF.	OLD NOBLE	AUX VASES	33-6N-10E/ 4,5,6-5N-10E	912	27116	42.3	1882	964	14965
3408	UNION OIL CALIF.	SW NOBLE U	MCCLOSKEY	16,17-5N-10E	172	5873	16.3	382	534	6429
3418	UNION OIL CALIF.	WAKEFIELD CONS	AUX VASES	3,4,5,6,9-3N-9E/ 32,33-4N-9E	6139	163834	107.3	6953	6119	163178
3425	UNION OIL CALIF.	SUYOT CONSOL	SPAR HTN	11,12-2N-8E		3810*		181		1056
3429	UNION OIL CALIF.	NE WAKEFIELD CONSOL	CYPRESS	13,14,22,23,24,25,26, 27-4N-9E	46	40413	10.6	3910	579	30156
3431	UNION OIL CALIF.	HOB RUN CONSOL	MCCLOSKEY	35,36-3N-8E,1,2-2N-8E	9	6340	3.7	486	33	1989
3434	UNION OIL CALIF.	SUGAR CREEK UNIT	CYPRESS	13,14-4N-9E		442	0.7	47	6	132
3437	UNION OIL CALIF.	S DUNDAS CONSOL	AUX VASES	17-3N-9E	62	2325	5.5	112	119	1063
3438	UNION OIL CALIF.	SUGAR CREEK UNIT	MCCLOSKEY	26,27-4N-9E	*	1083*	1.1	67	6	90
3440	UNION OIL CALIF.	S DUNDAS CONSOL	SPAR HTN	30,31-5N-10E	225	3957	3.4	139	225	1880
3441	UNION OIL CALIF.	S-B CONSOL	MCCLOSKEY	27,28-4N-9E	*	564*	1.0	44	1	261*
3442	UNION OIL CALIF.	H A H CONSOL	AUX VASES	13,14,23,24,26-4N-9E	80	2995	7.1	130	59	800
3443	UNION OIL CALIF.	R H & P CONSOL	SPAR HTN	24,25-3N-8E	274	3411	1.4	41	76	844
3446	UNION OIL CALIF.	COLBORN CONSOL.	CYPRESS	14,23-4N-9E	*	954*	1.9	59	13	259
3448	UNION OIL CALIF.	LU-BERG AREA	AUX VASES	25-6N-9E	144	1895	3.9	207	14	98
4065	UNION OIL CALIF.	EAST W.A.H CONS.	MCCLOSKEY	4,5-3N-9E	343	2397	48.9	350*	500	3241
4070	UNION OIL CALIF.	BANKER SCHOOL CONSOL	MCCLOSKEY	24,25,26-4N-9E	30	67	0.7	3	2	4
		E BANKER SCHL	CYPRESS	15,21,22,28-2N-8E	22	2409	1.5	862	25	1362
			AUX VASES	21,28-2N-8E	40	1051	15.3	173	175	816

in Illinois, 1981—continued

RESERVOIR STATISTICS (AV. VALUE)			DEVELOPMENT AS OF 12-31-81				INJECTION WATER						
FIELD	COUNTY		PERM OIL	DATE	DATE	NO. OF	ACRES	SOURCE	TYPE				REMARKS
PROJ.	DEPTH	NET	POR	(MO)GRAV	FIRST	ADD.	UNDER	GR=GRAVEL	(S)BRINE				
NO.	(FT)	(%)	(X)	(API)	INJ.	INJ.	PROD.	INJ.	PROD	(M)MIXED			
	(FT)							SH=SHALLOW					
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY													
CONTINUED													
4046	2884	8.0		39.0	8-76		1	4	125	PRODUCED (S)			
4048	3015	19.0	18.5	30	40.0	11-77	1	4	100	PRODUCED (S)			
4067	3075	7.5	19.0	35	08-71		6	5	236	PRODUCED (S)			
	3130	4.5							215				
4068	3015	6.5	18.5	30	37.0	09-71	1	7	165	WELL B PROD (M)			
*4084	2933	11.0	18.0	35	39.3	03-67	01-74	1	1	50	PRODUCED (S)		
4179	3146	7.8	18.0	75	37.5	08-68		4	5	190	POND, PROD (M)	*INJ,SUSP.=1970-1977	
*4115	3150	8.0	19.0	115	39.0	01-66	05-63	6	4	172	SEWAGE, PROD (M)		
*4116	3200	14.8	20.0	80	39.0	08-54	05-63	7	11	243	SEWAGE, PROD (M)		
*1918	2900	7.0				04-65	10-78	1	1	100	PENN SD, PROD (S)	*SHUT DOWN 1972	
1930	2800	12.0				7-63		2	4	100	CYPRESS PROD (S)	*EST.+INCL.PRIH.SINCE 1963	
1931	2690	14.0				6-66+			1	10		*EST.+ADJ. TO 1921 AND 1922	
	3250	25.0							1	20		SINCE 1966	
*3433	2870	5.0	13.0	120		01-65	10-78	2	5	180	PRODUCED (S)	*EST.+SHUT DOWN 1977	
3436	3009	9.0				09-66		3	5	170	PRODUCED (S)	*ESTIMATED	
4186	2930	20.0	19.0	75		11-64		2	6	440	PENN SD, PROD (S)	*ESTIMATED	
	3010	20.0						2	2	100			
*347	2933	15.0			39.2	02-59	01-72	1	2	40	CYPRESS (S)		
*363	2678	10.0				06-68	01-74	1	1	30	SURFACE PROD (M)		
4088	2990	12.0	19.0	22	38.5	12-61		2	120	CYPRESS, PROD (S)	*ESTIMATED SINCE 1976		
3444	3000	5.0	16.0	1307	39.0	01-61		1	1	40	PRODUCED (S)	*ESTIMATED SINCE 1970	
3445	3080	7.0			38.0	12-75		3	1	150	PENN SD (F)	AND INJECTION 1981	
*4117	2639	12.5	16.5	43	34.4	01-57	12-71	3	6	110	SH SD (F)		
*4118	3065	15.9	19.0	85	38.7	01-57	01-72	30	31	588	SH SD, PROD (M)		
	4166	3080	8.0			12-63		6	13	250	PENN SD (S)	*INCL ALL PAY/ +EST SINCE 1967	
	3170	9.8				12-63	12-66	3	5	160			
	3200	19.0				12-63	12-67	7	20	960			
4177	3075	20.0	18.0	75		09-64		30	18	1127	PENN SD, PROD (S)	*ESTIMATED SINCE 1975	
*4196	3170	18.0			39.0	08-65	12-72	20	19	480	PENN SD, PROD (S)	*ESTIMATED	
*3428	2800	10.0	18.0	50	39.0	04-64	6-74	30	25	500	PENN SD, PROD (S)	*ESTIMATED; +SHD SINCE 1974	
	2900	10.0				4-77		1	2	40			
4190	3004	16.0			38.0	10-65		1	4	40	PENN SD, PROD (S)	*ESTIMATED	
*1907	2615	10.0				06-52	12-54	1	1	20	PRODUCED (S)	*DUMP FLOOD, NO DATA	
4047	2960	13.0				4-65		4	5	110	PRODUCED (S)	*EST.+ADJ. TO 4193 SINCE 64	
6079	3100	14.0	20.1	8	39.0	09-68		7	16	680	PENN SD (S)		
4081	3100	9.0				03-68		2	1	220	SH GRAVEL (F)		
*4095	3060	10.0				02-69	02-72	3	2	40	SH GRAVEL (F)		
*4108	3016	10.0				02-54	12-61	2	2	80	PRODUCED (S)	*ESTIMATED	
4157	3040	10.1	15.9	24	39.0	10-62		2	3	100	PURCHASED (S)	*EST.1981	
4191	3100	10.0	18.0	50	34.5	11-65		1	1	160	PENN SD, PROD (S)	*EST SINCE 1980;+ADJUSTED	
4193	2960	14.0	19.0	30	39.0	01-65		11	10	220	SH GRAVEL (F)	*SHD SINCE 7-76,	
*4132	3255	6.0			38.0	01-58	07-59	1	1	40	CYPRESS, PROD (S)		
*4144	3150	13.0	19.0	85		11-60	01-64	9	10	150	PENN SD (S)		
302	2610	15.0	18.0	65	37.2	05-72		1	4	200	PRODUCED (S)		
304	2620	16.0	18.0		37.6	04-68		1	10	389	PENN SD,PROD(S)	*INJECTION RESUMED 9-78	
	3000	25.0	19.0										
335	2596	17.0	68.0	24		07-61		11	15	970	PENN SD, PROD (S)		
	2937	15.0	15.0										
341	2960	19.0			38.0	8-71		2	6	340	PRODUCED (S)		
	3070	10.0	16.0			9-70				240			
349	2650	20.0	13.0	200		07-65		12	28	2411	PENN SD, PROD (S)		
	2900	20.0											
	3000	27.0											
358	2620	16.0	18.0	24	38.5	05-65		12	40	2069	PRODUCED (S)	*INCL FORMER C WILKIN	
	2880	8.0	10.0										
	2950	11.0	18.5										
	3000	25.0	15.0										
1910	2670	8.0	15.0	24		10-60		3	5	260	CYPRESS, PROD (S)		
1911	2750	10.0				01-66		6	12	926	PRODUCED (S)		
1919	2720	37.0	18.0	87		07-65		12	18	1679	PENN SD, PROD (S)		
	2791	31.0											
1922	2720	12.0				11-66		13	20	998	PRODUCED (S)		
	2900	11.0											
	3400	32.0											
1924	2720	11.0	18.5			08-68		1	9	710	PRODUCED (S)		
	2780	25.0	15.0										
	3297	13.0	11.0										
3404	2590	15.0	15.0	24	36.8	08-54		19	67	2481	PRODUCED (S)		
	2930	10.0						11	32				
*3406	2984	6.0	15.0	75		05-57	03-66	2	3	340	CYPRESS, PROD (S)	*ESTIMATED	
3418	2545	32.0	17.0	120		05-59		2	17	1640	PENN SD, PROD (S)		
	3425	2620	20.0	15.0	75	12-63		1	9	837	PENN SD, PROD (S)		
	3000	20.0											
3429	2579	15.0	18.0	65		11-64		1	1	100	PENN SD, PROD (S)	*INJ.DISC. 1980	
3431	2883	25.0	15.0	75		10-65		1	3	200	CYPRESS, PROD (S)		
	2967	7.0								229			
3434	2925	5.0				05-66		1	1	300	PENN SD, PROD (S)	*INJECTION CEASED 2-73	
	2950	5.0								300			
3437	2776	11.0			38.5	06-68		2	2	195	SUB=SURFACE (S)		
	2838	25.0								80			
3438	2983	25.0	15.0		39.6	10-68		1	1	240	PRODUCED (S)	*INJ.DISC.8-73	
3440	2878	27.0	15.0		38.1	09-69		3	3	830	WATER SOURCE WELL (S)		
	2905	15.0	14.0										
3441	2940	11.0	18.0		38.5	04-70		2	1	240	PRODUCED (S)		
3442	2619	12.9				12-69		1	4	270	PENN SD (S)	*INJ DISCONTINUED 1-77	
	2876	14.0								50			
3443	2530	10.0	17.0	50	38.8	09-71		3	4	160	PRODUCED (S)		
3446	2860	18.0				12-76		8	14	1121	PRODUCED (S)	*UNIT EFPEC. 8-1-75	
	2970	10.0											
	3090	20.0											
	3480	20.0											
3448		8.0				8-79		1	2	630	PRODUCED		
4065	2639	15.0	18.0	65		09-56		2	4	620	PENN SD, PROD (S)		
4070	2640	15.0	18.0	65	38.6	10-71		2	6	160	WELL (S)		
	2945	15.0	16.0	77									

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBLs)							
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER	OIL	WATER						
PROJECT NO., OPERATOR	U = UNIT		S = T = R	INJECTION	PRODUCTION	PRODUCTION	TOTAL	CUM.	TOTAL	CUM.	TOTAL	CUM.
A B D							1981	12/81	1981	12/81	1981	12/81
P, M.												
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY												
CONTINUED												
*4074	UNION OIL CALIF.	SE WOODSIDE SCHOOL	MCCLOSKEY	20,29=2N=8E	370							
4075	UNION OIL CALIF.	S WOODSIDE SCHL	AUX VASES	19,20,30=2N=8E;	15	2966	4,2	238	75	1420		
			MCCLOSKEY	25=2N=7E								
4076	UNION OIL CALIF.	E DRY FORK	AUX VASES	25=1S=6E	13	1174	1,1	90	32	356		
4080	UNION OIL CALIF.	WOODSIDE SCHL C	CYPRESS	24=2N=7E;19,20=2N=8E	288	19212	10,4	913	223	7141		
			AUX VASES	13=2N=7E;18=2N=8E								
			MCCLOSKEY									
4091	UNION OIL CALIF.	CENT JORDAN SCHOOL	AUX VASES	1=1N=7E	340	7507	6,3	548	305	5272		
			MCCLOSKEY									
4097	UNION OIL CALIF.	DEER CREEK S	CYPRESS	11,12=1S=8E		3720*	0,1	124*	75	1170*		
			MCCLOSKEY									
*4099	UNION OIL CALIF.	BRADLEY U	AUX VASES	26=1N=7E		639		42				
4106	UNION OIL CALIF.	SW VANFOSSAN U	AUX VASES	25,26,27=1N=8E	333	7100	6,9	434	265	3554		
			OHARA									
			MCCLOSKEY									
4112	UNION OIL CALIF.	JORDAN SCHOOL U	AUX VASES	27,34,35=2N=7E,		2565*	4,3	2385	82	14976		
				3=1N=7E								
*4113	UNION OIL CALIF.	NE JORDAN SCHOOL U	AUX VASES	25,26,35,36=2N=7E		13813		1316		8668		
4114	UNION OIL CALIF.	VAN FOSSAN U	MCCLOSKEY	10,14,15,22,23,26,27=	312	17031	6,1	736	194	17108		
				1N=8E								
4131	UNION OIL CALIF.	SE JORDAN SCHOOL U	AUX VASES	2,11=1N=7E	715	27047	12,4	1028	858	18643		
4135	UNION OIL CALIF.	DEER CREEK UNIT	AUX VASES	1,2,10,11=1S=8E	236	10245	5,7	747	177	3738		
			MCCLOSKEY									
4142	UNION OIL CALIF.	ELM RIVER U	AUX VASES	30,31=2N=8E	190	7592	4,3	579	118	3964		
			MCCLOSKEY									
4143	UNION OIL CALIF.	FELLER FLOOD CONSLD	AUX VASES	5,6,7,8=1N=8E	419	15990	11,7	1805	383	11898		
*4152	UNION OIL CALIF.	OREGON SCHOOL U	AUX VASES	20,21,28,29=1S=8E		2839		185		1579		
4153	UNION OIL CALIF.	SE ENTERPRISE U	AUX VASES	24=1N=8E		1115	2,0	74		223		
4164	UNION OIL CALIF.	E. JORDAN SCHOOL C	AUX VASES	1=1N=7E,6=1N=8E,	1550	44511	27,4	3245	1210	29622		
			MCCLOSKEY,	35,36=2N=7E								
4176	UNION OIL CALIF.	S JORDAN SCHOOL U	AUX VASES	11,12=1N=7E,7=1N=8E	725	17660	17,3	1654	693	9452		
4185	UNION OIL CALIF.	ZIF CONSLD	CYPRESS	4=1N=8E; 33,34=2N=8E	792	17661	23,2	1834	663	11145		
			AUX VASES									
			MCCLOSKEY									
4187	UNION OIL CALIF.	SOUTH CISNE CONSLD	AUX VASES	27,34=1N=7E	20	4960	2,0	140	59	1312		
			MCCLOSKEY									
4188	UNION OIL CALIF.	N CISNE U	AUX VASES	22,27=1N=7E	311	4832	5,2	274	265	4841		
			MCCLOSKEY									
4192	UNION OIL CALIF.	J. P. MOLT=A	AUX VASES	30=1N=8E	1	265	1,3	25	2	59		
			OHARA									
*4136	VERNE M. VAUGHN	BLESSING=CHRISMAN U	AUX VASES	31,32=1N=8E		623		180		270		
4098	W&W WELL SERV.	DAVIS,JONES&WHITLOCK	AUX VASES	9=1S=7E		645		157*		530*		
*4180	WATKINS DRILLING	WATKINS=WHITLOCK	AUX VASES	9=1S=7E		152		45		143		
4151	H. WEINERT EST.	SOUTH BOYLESTON UNIT	AUX VASES	3,4,9,10=2S=7E	360	7226	8,9	391				
4162	H. WEINERT EST.	NORTH BOYLESTON UNIT	AUX VASES	33,34=1S=7E;3,4=2S=7E	1004	20683*	1,8	777				
			MCCLOSKEY									
1926	WICHITA INDUSTRIES	EAST NEWTON WF	MCCLOSKEY	22,23,26,27=7N=10E	1063	7957*	113,7	985	389	3874*		
4054	M. J. WILLIAMS	FRED BEST	AUX VASES	27=1N=8E				44*				
4110	M. J. WILLIAMS	COVINGTON UNIT	OHARA	25=1S=6E;19,20,29,30,		26912		1689*		14374*		
			MCCLOSKEY	31,32,33=1S=7E								
* 345	ZANETIS OIL PROP	STANFORD LEASES	AUX VASES	3,4,10=2N=7E		1673		190		1673		
*1908	ZANETIS OIL PROP	P. KELLY 3	SPAR MTN	1=5N=9E		184		88		312		
*1909	ZANETIS OIL PROP	C. HARVEY 2	SPAR MTN	12=5N=9E		457						
*1917	ZANETIS OIL PROP	MINES=OGHS 'A' ETAL	SPAR MTN	4,9=5N=10E		77		14		27		
1921	ZANETIS OIL PROP	KELLER 'A'=PAYNE HRS.	AUX VASES	5,6=5N=10E	53	2807	22,6	718	53*	2807*		
			SPAR MTN									
			SALEM									
*4096	ZANETIS OIL PROP	SHAW	AUX VASES	34=1S=8E		142		12		24		
COIL, WAYNE												
4077	FRMERS PEYR COOP	COIL U	AUX VASES	17,18,19=1S=5E	248	5182	14,0	833	167	2433		
4100	K W B OIL PROP. MGMT	YOUNGBLOOD U	AUX VASES	19=1S=5E	7	2072	8,4	432	7	1294		
4092	STONE OIL CO	BYARS=GARRISON	ST LOUIS	19=1S=5E			4,3	173*				
COIL N, WAYNE												
4053	M. U. BURKETT	KEEN=HILSON	AUX VASES	31=1N=5E		600		124**		600*		
COIL W, JEFFERSON												
2011	GULF OIL CO	COIL W U	AUX VASES	14,15,22,23=1S=4E		1319		82		749*		
*2012	GULF OIL CO	COIL W U	MCCLOSKEY	22=1S=4E		81		*		*		
2026	STONE OIL CO	FARRINGTON	ST LOUIS	24=1S=4E	90	1499	8,3	232	50	636		
CONCORD C, WHITE												
4281	ABSHER OIL CO	CONCORD UNIT	TAR SPRINGS	27,28=6S=10E		1169		251**		339*		
*4208	C. E. BREHM	CONCORD N UNIT	AUX VASES	10=6S=10E		637		66				
*4228	ST LAKES CARBON	MCCLOSKEY	SPAR MTN	28=6S=10E		233		5		44		
			MCCLOSKEY									
4439	JIM HALEY	TULEY	CYPRESS	21=6S=10E		115*		24		115*		
			AUX VASES									
*4309	HUMBLE O AND R	CONCORD CO=OP	TAR SPRINGS	28=6S=10E		1179		143		379		
			AUX VASES									
*4205	BARRON KIDD	KERNIN=CONCORD	MCCLOSKEY	21=6S=10E		342		12		77		
*4299	D. R. LEAVELL	CONCORD	TAR SPRINGS	21,22,29=6S=10E		3964		402		1910		
*4331	D. R. LEAVELL	CONCORD	AUX VASES	28=6S=10E		370		55		289		
*4332	D. R. LEAVELL	TULEY	CYPRESS	21,22=6S=10E		1276		57		455		
4358	D. R. LEAVELL	TULEY	AUX VASES	21=6S=10E		141		24*		66*		
4206	PHILLIPS PET. CO	KERNIN	CYPRESS	21=6S=10E	97	3568	5,4	320	49	2321		
			AUX VASES									
			SPAR MTN									
			MCCLOSKEY									
*4229	PHILLIPS PET. CO	DALLAS	SPAR MTN	28=6S=10E		247		3		42		
			MCCLOSKEY									
4207	REBSTOCK OIL CO.	TULEY	CYPRESS	21=6S=10E	35*	2764*	3,1	210	35*	1920*		
			AUX VASES									
			MCCLOSKEY									
4444	SLAGTER PRODUCING	BROWN=SPILLMAN U	CYPRESS	16=6S=10E		850		117**		850*		
*4325	YHUNDERSBIRD OIL	N CONCORD U	HARDINSBURG	9,10=6S=10E		8492		903		5632		

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBL)						
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER	OIL	WATER	INJECTION	PRODUCTION	PRODUCTION	WATER
PROJECT NO., OPERATOR	U = UNIT		S = T = R							
* * * ABD							TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	
* * * P, M,							1981 * 12/81	1981 * 12/81	1981 * 12/81	
CONCORD E C, WHITE										
4445 ABSHER OIL CO	POMEROY	CYPRESS	26-68-10E	30*	1005*	1.3	70+	30*	1005*	
4446 FAIRWAY PETROLEUM	PEARCE	CYPRESS	35-68-10E		205		39+		205*	
4233 H. E. GARRETT	PEARCE U	AUX VASES CYPRESS	35-68-10E, 2-78-10E		310		12*		117*	
COOKS MILLS C, COLES, DOUGLAS										
* 522 CHARLES R. GRAY	COMBES ESTATE	SPAR MTN	24-14N-7E		76		1			
* 802 CHARLES R. GRAY	LOGAN=MOORE	SPAR MTN	13-14N-7E		61		1			
* 510 KUYKENDALL DRLG.	BRADLEY WF	SPAR MTN	26, 27, 34, 35-14N-7E		1914		56		875	
* 513 KUYKENDALL DRLG.	EASTON WF	SPAR MTN	27-14N-7E		556		12		243	
* 505 S AND M OIL CO.	COOKS MILLS UNIT	SPAR MTN.	9, 15, 16-13N-7E		3620		262		2800	
* 508 SCHAEFER OIL CO.	COOKS MILLS U	SPAR MTN.	18, 19, 20, 30-14N-8E, 13, 24, 25-14N- 7E		3165		211		954	
CORDES, WASHINGTON										
4010 MOBIL OIL CORP.	GILL EST., P.KOZUSZEK	BENUIST	26-38-3W	121	4818	8.6	1610*	321	4517	
4000 SHELL OIL CO.	CORDES COOP	BENUIST	14, 15, 22, 23-38-3W	209	29270	13.3	5090	327	33687	
CORINTH, WILLIAMSON										
4804 C. E. BREHM	CORINTH UNIT	AUX VASES	29-88-4E	46	350	7.5	97	30*	52*	
COVINGTON S, WAYNE										
*4120 DONALD G. GEARY	HEIDINGER=VOGEL	MCCLOSKY	13-28-6E		51					
CROSSVILLE W, WHITE										
*4404 CONTINENTAL OIL	CROSSVILLE WEST U	AUX VASES SPAR MTN MCCLOSKY	15, 16-48-10E		1199		46		245	
DALE C, FRANKLIN, HAMILTON, SALINE										
*1309 C. E. BREHM	WESTBROOK	AUX VASES	1-78-4E, 16-78-5E		1015		110			
1513 C. E. BREHM	CANTRELL U	AUX VASES	4, 5-78-5E, 33-68-5E		3007		340		244	
1534 C. E. BREHM	HOGAN U	AUX VASES	9, 16-78-5E		2427		73		276	
1544 C. E. BREHM	P. M. SMITH	AUX VASES	33-68-5E, 4-78-5E		1588		275		637	
1545 C. E. BREHM	RURAL HILL S	AUX VASES	33, 34-68-5E, 3, 4-78-5E		1371		10		93	
1552 C. E. BREHM	MOORE U	AUX VASES	29, 30, 32-68-5E		737		13		104	
1553 C. E. BREHM	CROW U	AUX VASES	30, 31-68-5E		1282		155		101	
1556 JOE A. DULL	DALE W WF	AUX VASES	6-78-5E	20*	673*	0.5	60	20*	341*	
*1564 DUNCAN LSE+ROY	KNIGHT	AUX VASES	9-68-6E		935		28			
1520 FARRAR OIL CO.	YEDFORD	AUX VASES	26-58-6E		436		138		256*	
*1525 FARRAR OIL CO.	YEDFORD	BETHEL	26-58-6E		62					
1566 FARRAR OIL CO.	NW RURAL HILL U	AUX VASES	21-68-5E	130*	2314*	1.3	363	130*	1319*	
1575 FARRAR OIL CO.	URIAH POSTER	AUX VASES	22-68-5E	20*	520*	0.6	52	20*	520*	
*1547 T. W. GEORGE EST.	CANTRELL S, UNIT	AUX VASES	7, 18-78-5E		3259		512		1640	
1526 HERMAN GRAHAM	J. H. STELLE	AUX VASES	27-58-6E	80*	1918	7.3	138	80*	1869*	
1528 HERMAN GRAHAM	DALE=HOODVILL COOP	BETHEL	27-58-6E		319					
1537 HERMAN GRAHAM	NELLIE PORTER	AUX VASES CYPRESS BETHEL	34-58-6E	80	5757*	5.4	251+	80*	2732+*	
					447*		17*		256*	
					2495*		255+		1820*	
1510 GULF OIL CO	W RURAL HILL U	AUX VASES	11, 14, 15, 22, 23-68-5E		10312		1405		5499*	
*1511 GULF OIL CO	W RURAL HILL U	OHARA	11-68-5E		695					
*1539 GULF OIL CO	M. E. PARKS 'B'	OHARA	34-68-5E		179		4		48	
1536 DAVID F. HERLEY	WEST END	AUX VASES	8-78-5E		2262		283		680	
*1501 INLAND PRODUCERS	N RURAL HILL U	AUX VASES	5, 6, 7, 8-68-6E		5372		293		1536	
3620 LOUIS KAPP	RALEY	AUX VASES	29-78-5E	20*	716*	0.6	80	20*	706*	
1523 E. H. KAUFMAN	N. RURAL HILL U	AUX VASES	11, 12-68-5E		1900		119		1018	
1524 E. H. KAUFMAN	S. E. RURAL HILL U	AUX VASES	18, 19-68-6E		2312		247		1492	
1549 E. H. KAUFMAN	SW RURAL HILL UNIT	AUX VASES	23-68-5E	20*	2058*	0.4	171	20*	1779*	
1563 LADD PETROLEUM	DODD=WILSON U	CYPRESS	6-68-7E	153	17298	7.5	1422	339	10209	
		BETHEL								
1570 LADD PETROLEUM	CULLUM=SUTTLE U	AUX VASES	4, 5-68-6E	63	1070*	1.9	41	64	667	
1557 MAC OIL COMPANY	BURNETT WF UNIT	AUX VASES	1-78-5E		1022		71		531	
*1533 MARATHON OIL CO.	OGLEBBY=GRISWOLD	AUX VASES	17-68-6E		211		2		16	
1561 MARATHON OIL CO.	BRILL UNIT	MARDINSBURG	6-68-7E	281	10195	3.7	704	341	7253	
		CYPRESS								
		BETHEL								
1565 MARATHON OIL CO.	M. C. MOORE	AUX VASES	26, 34, 35-68-5E	53	5857	5.4	299	102	2203	
*1543 MARION CORP	FRIEL	BETHEL	34-58-6E		3064		255		1592	
3622 MISTY OIL CO	WEST END	AUX VASES	19, 20, 30-78-5E, 25-78-4E	160	8189	8.1	730	160	2565*	
*1502 PHILLIPS PET. CO	CANTRELL U	AUX VASES	5, 6, 7-78-5E		1814		161		1116	
1568 POLLACK BROS.	ADA DIAL #2	OHARA	8-68-6E	40*	734*	1.6	65	40*	580*	
1514 SHELL OIL CO.	RURAL HILL UNIT	AUX VASES	11, 12, 13, 14, 23, 24-68-5E		64251	5.2	4913	150	44601	
		OHARA	7, 18-68-6E							
*1512 SHERMAN DRLG	RURAL HILL	MCCLOSKY								
		AUX VASES	13, 23, 24-68-5E		5700*		674*		4124*	
1548 SHERMAN DRLG	BENEPIEL=ARNOLD	OHARA								
		AUX VASES	16, 21-68-7E	50*	4011*	2.9*	250*	50*	2480*	
		MCCLOSKY								
*1535 JOE SIMPKINS OIL	BARNER	AUX VASES	24-68-5E		543		74		261	
1567 JOE SIMPKINS OIL	DALE COUP	AUX VASES	10, 13, 16-68-5E		200		15*		135*	
*1507 STEWART PRODUCERS	BILL JONES	AUX VASES	8-68-6E		171		17		4	
1516 STEWART PRODUCERS	CRADDOCK=ARMES	AUX VASES	19-68-6E		203		15*		96*	
*1531 STEWART PRODUCERS	WILLIAMS WEIRS COOP	AUX VASES	9, 10-68-6E		272		4		130	
*1539 STEWART PRODUCERS	FLANNIGAN U	AUX VASES	28, 29-68-5E		722		14		142	
*1540 STEWART PRODUCERS	HUNGATE U	AUX VASES	28-68-5E		506		27		116	
*1541 STEWART PRODUCERS	BRUMIT U	AUX VASES	6, 7-68-6E		266		190		151	
1562 STEWART PRODUCERS	JONES 2	AUX VASES	18-68-6E		291		93*		105*	
*1504 TEXACO, INC.	WEST DALE UNIT	AUX VASES	11-68-6E		6476		614		3334	
*1508 TEXACO, INC.	HOOD=CAREY UNIT	AUX VASES	3-68-6E		867					
1509 TEXACO, INC.	HOOD=CAREY UNIT	BETHEL	3-68-6E		1109		250		1910*	
*1538 TEXACO, INC.	VAUGHAN=BROCKEY COOP	AUX VASES	17, 18-68-6E		1237		82		728	

in Illinois, 1981—continued

***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER *****												
***** FIELD, COUNTY * NO. OF * SOURCE TYPE *****												
* PROJ.	* DEPTH	* NET	* POR	* (MD)	* GRAV	* FIRST	* ABD.	* UNDER	* BR=GRAVEL	(F)=FRESH		
* NO.	* (FT)	* PAY	* (%)	* (API)	* INJ.	* INJ.	* PROD.	* INJ.	* PROD=PRODUCED	(M)=MIXED		
***** REMARKS *****												

CONCORD E C, WHITE												
4485	2545	9.0			12-63		2	4	60	PRODUCED (B)	*EST.+INCL.PRIM.SINCE 63	
*4446	2560	18.0			6-63	12-76	1	1	20	PRODUCED (B)	*EST.+INCL.PRIM 1963-76	
	2630	12.0					1	1	20			
*4233	2590	11.0	14.3	92	36.0	12-66	12-74	4	4	90	SH GRAY, PROD (M)	*ESTIMATED SINCE 1970
COOKS MILLS C, COLES, DOUGLAS												
* 522	1778	9.0		11.3	37.0	04-63	01-65	2	3	60	SH SD (F)	
* 802	1777	12.0	16.0	41		04-63	01-65	2	2	40	SH SD, PROD (M)	
* 510	1800	12.0	17.5	195	38.0	04-62	12-68	7	5	140	SH SD, PROD (M)	
* 513	1800	12.0	17.5	195	38.0	04-62	11-68	3	1	40	SH SD, PROD (M)	
* 505	1800	12.0	17.0	250	36.0	01-61	01-68	8	24	320	RIVER, PROD (M)	
* 508	1780	10.0	13.5	160	39.0	11-61	12-72	4	6	400	PENN SD (B)	
CORDES, WASHINGTON												
4010	1270	12.0	20.0	250	37.0	09-65		2	10	160	PRODUCED (B)	*INCL PRIM PROD SINCE 9-65
4000	1230	14.0	20.0	250	37.2	08-50		19	17	935	PENN SD, PROD (B)	
CORINTH, WILLIAMSON												
4504		12.0			36.0	11-75		2	2	130	PENN SD (B)	
COVINGTON B, WAYNE												
*4120	3316	4.0				11-57	10-59	1	1	80	CYPRESS, PROD (B)	*NO WF OIL RECOVERED
CROSSVILLE W, WHITE												
*4404	3010	16.0				03-65	03-69	2	5	70	PRODUCED (B)	
	3190	6.0						1	1	100		
	3110	4.0						1	4			
DALE C, FRANKLIN, HAMILTON, SALINE												
*1309	3230	8.0	17.0	150	38.0	08-59	01-70	3	4	80	PENN SD, PROD (B)	
*1313	3190	15.0	17.0	150	39.0	01-59	01-70	11	14	250	CYPRESS, PROD (B)	*1966-67 DATA ONLY
*1334	3300	11.3	19.0	150	38.0	06-62	05-71	2	10	130	PENN SD, PROD (B)	*1965-67 DATA ONLY
*1344	3190	22.0	17.0	200	38.0	03-63	09-73	3	14	170	PENN SD, PROD (B)	*ESTIMATED
*1545	3250	22.0	17.0	200	38.0	04-63	03-68	5	9	150	PENN SD, PROD (B)	*1965-66 DATA ONLY
*1552	3250	14.0			37.0	04-65	06-69	3	7	130	PENN SD, PROD (B)	*THRU 1967 ONLY
*1553	3250	14.0			37.0	04-65	01-73	3	6	110	PENN SD, PROD (B)	*THRU 1967 ONLY
1556	3260	10.0	16.0	85	38.0	12-65		1	3	80	PENN SD, PROD (B)	*EST+TEMP ABD 1981
*1564	3064	30.0				09-61	01-70	2	4	60	PRODUCED (B)	
*1520	3050	20.0				07-61	12-66	2	1	40	PURCHASED (B)	*INCL 1525
*1525	2987	15.0				07-61	07-63	1	2	30	PURCHASED (B)	*INCL WITH 1520
1566	3200	27.0	17.0	100	38.5	08-69		4	3	40	PRODUCED (B)	*ESTIMATED
1575	3190	18.0				09-71		1	2	30	PRODUCED (B)	*ESTIMATED
*1567	3125	20.0	20.5	122	39.4	09-60	12-68	11	9	220	PENN SD, PROD (B)	
1526	3034	11.0	14.0	120		08-61		2	2	60	PALESTINE, PROD (B)	*ESTIMATED
1528	2950	11.0	14.8	117	37.0	07-61	07-64	6	9	150	PALESTINE, PROD (B)	*ESTIMATED +INCL BOTH PAYS
	3090	13.0	20.0	116	37.0	07-61		7	6	150		
*1537	2730	12.0	18.0			5-62	06-76	4	8	80	PRODUCED (B)	*EST +BETHEL AND AUX VASES DATA
	2900	20.0	16.0			8-62	9-68	4	4	80		
	3090	10.0	18.0			08-62		4	4	80		
*1510	3100	21.0	19.1	96	37.0	06-59	05-64	24	21	640	CYPRESS, PROD (B)	*INCL 1511
*1511	3173	19.0			40.4	06-59	05-64	2	1	30	PRODUCED (B)	*INCL WITH 1510
*1559	3350	14.0	15.0	35	38.0	08-65	05-67	2	4	60	SH SD (F)	
*1536	3250	18.0	20.0	340	40.0	12-62	11-68	7	8	150	PENN SD, PROD (B)	*ESTIMATED SINCE 1965
*1901	3125	14.7	23.9		39.0	02-52	04-59	15	16	310	CYPRESS (B)	
3620	3130	8.0				11-69		1	4	50	PRODUCED (B)	*ESTIMATED
*1523	3150	15.0			38.0	01-61	12-67	5	5	110	CYPRESS, PROD (B)	*INCL PRIM PROD SINCE 1-61
*1524	3190	20.0			38.0	09-61	02-70	4	8	120	CYPRESS, PROD (B)	*INCL PRIM PROD SINCE 9-61
1549	3120	15.0			38.0	12-63		3	4	110	PENN SD, PROD (B)	*ESTIMATED SINCE 1978
1563	2710	20.0			37.0	01-65		1	10	200	HARDINSBURG, PROD (B)	
	2875	15.0								200		
	2950	20.0								200		
1578	3100	30.0	15.0		38.0	10-69		1	2	240	PENN. S PROD (B)	*ADJUSTED
1597	3215	20.0	16.0	65		03-62		1	1	40	PENN SD, PROD (B)	*DATA N/A 1981
*1533	3230	16.0	18.0	80		06-62	12-66	1	1	20	PENN SD, PROD (B)	
1561	2750	4.0				01-65		4	4	130	CYPRESS, PROD (B)	
	3000	20.0								130		
	3130	20.0								130		
	3210	15.0								130		
1565	3315	15.0	16.0	100		06-65		3	4	200	CYPRESS HSW, PROD (B)	
	3350	10.0	14.0	40						40		
*1543	2940	23.0	15.0	130	39.5	09-62	05-69	1	3	130	PALESTINE, PROD (B)	
	3050	16.0	17.0	100				2	3	130		
3622	3140	20.0	17.0	150	36.0	06-63		3	7	200	PENN SD, PROD (B)	*EST.1981
*1502	3200	15.0	18.0	75	38.0	08-55	10-62	5	7	130	PENN, PROD (B)	
1568	3102	14.0			37.5	07-70		1	2	30	PRODUCED (B)	*ESTIMATED SINCE 1972
1514	3120	20.9	19.0	96	39.4	09-58		10	8	1890	HARD, CYP, PROD (B)	*DISC.INJ.FEB.1980
	3145	10.1	15.0	73						920		
	3300	12.4	17.0	75								
*1512	3108	17.5	19.1	97	38.0	05-59	12-70	11	11	250	PURCHASED, PROD (B)	*ESTIMATED 1969-1970
	3192	8.5						1	4	60		
1548	3080	15.0	17.0	78		11-63		6	9	240	PENN SD, PROD (B)	*ESTIMATED SINCE 1978
	3220	8.0				1-65	9-73	1	1	20		
*1535	3200	20.0	19.1	97	38.0	11-62	03-67	2	2	40	GRAVEL BED (F)	
*1567	3170	3.0				08-70	12-71	19	40	640	PENN SD (B)	*ALL DATA ARE ESTIMATED
*1507	3088	22.0				08-58	07-61	1	2	30	CYPRESS (B)	
*1516	3120	20.0	12.0	90	37.0	09-60	03-69	3	4	80	PURCHASED (B)	*NO DATA 1969
*1531	3090	20.0	12.0	90	37.0	07-61	12-65	2	2	40	MCCLOSKEY (B)	
*1539	3240	20.0	12.0	90	37.0	09-62	04-67	4	6	100	PENN SD, PROD (B)	
*1540	3244	20.0	12.0	90	37.0	12-62	04-67	2	4	60	PENN SD, PROD (B)	
*1541	3180	20.0	12.0	90	37.0	10-59	12-71	3	3	60	CYPRESS SD, PROD (B)	
*1562	3166	20.0	12.0	90	37.0	11-62	01-72	1	2	40	PURCHASED (B)	*INACTIVE 1968-1972
*1504	3050	14.0	17.0	123	38.0	07-31	09-67	6	15	260	PENN SD, PROD (B)	
*1508	3050	26.0	19.0	109	37.0	06-58	12-68	5	8	130	HARDINSBURG, PROD (B)	*INCL WITH 1509
*1509	2950	26.0	17.5	126	37.0	06-58	12-68	5	8	130	HARDINSBURG, PROD (B)	*INCL 1508
*1538	3150	18.0	21.4	149	36.8	03-62	11-68	9	10	160	PENN SD, PROD (B)	

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBL)				
FIELD, COUNTY					WATER OIL WATER				
PROJECT NO., OPERATOR	PROJECT U P UNIT	PAY NAME	LOCATION S - T - R	INJECTION	PRODUCTION	PRODUCTION	PRODUCTION	PRODUCTION	PRODUCTION
* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *
* * * * *	* * * * *	* * * * *	* * * * *	TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.
* * * * *	* * * * *	* * * * *	* * * * *	1981 * 12/81	1981 * 12/81	1981 * 12/81	1981 * 12/81	1981 * 12/81	1981 * 12/81
DALE C, FRANKLIN, HAMILTON, SALINE									
CONTINUED									
1560 TEXACO, INC.	DALE UNIT	TAR SPRINGS	1,2,11,12,13-68-6E,5,	398*	19395	57.2*	10065*	2490*	140061*
		HARDINBURG	6,7,8,17,18,19-68-7E		1260				
		CYPRESS		274*	26288				
		BETHEL		448*	40278				
		AUX VASES		1369*	104919				
1542 UNION OIL CALIF.	DALE COOP	TAR SPRINGS	36-58-6E,31-58-7E,	753	29712	16.5	2137	545	15188
		HARDINBURG	6,7-68-7E						
		CYPRESS							
		BETHEL							
		AUX VASES							
3625 PAUL ZIEGLAR	WEST END UNIT	AUX VASES	17,19,20-79-5E	90*	3081*	8.1	258	90*	1889*
DEERING CITY, FRANKLIN									
1319 FARRAR OIL CO.	PEABODY COAL	AUX VASES	9-78-3E	25*	587*	1.4	122*	25*	507*
DIVIDE C, JEFFERSON									
2015 W. & P. BECKER	DELLA MCELRAVY	AUX VASES	17-18-4E		279		30		183
2007 DEVON CORP.	PRITCHARD HRB	AUX VASES	20-18-4E	18	384*	1.9	185*	18	233*
2022 JOHN DUNNILL	ELLER-PIERCE-WILLIS	MCCLOSKEY	16-18-8E	35*	425*	6.5	80*	35*	425*
*2002 GULF OIL CO	W.D. HOLLOWAY	MCCLOSKEY	21-18-4E		2707		185		2294
2027 E HOMER JAHN	MINOR UNIT	SPAR MTN	23-18-3E				233		1155*
2021 TEXACO, INC.	WEST DIVIDE U	SPAR MTN	13,14,15,22,23,	680	35739	19.4	1466	614	24788
		MCCLOSKEY	26-18-3E						
DUBOIS C, WASHINGTON									
4007 N. A. BALDRIDGE	KAMINSKI	CYPRESS	7,8,17-38-1W	40*	1995*	2.3	160	40*	1215*
4024 N. A. BALDRIDGE	MUSIAL WATERFLOOD	CYPRESS	19-38-1W/24-38-2W	15*	120*	0.8	7	15*	120*
*4003 HARRY MABRY	PEEK	CYPRESS	20-38-1W		68		16		5
4001 ELMER OELZE	O D PECK	CYPRESS	20-38-1W	20*	405*	1.2	17	20*	226*
4006 ELMER OELZE	KLAYBOR	CYPRESS	17-38-1W	65*	1147*	3.6	122	65*	1110*
4025 E. M. SELF	RUDOLPH	CYPRESS	17-38-1W	40*	1265*	4.3	121*	40*	1265*
DUDLEY, EDGAR									
900 BARR-HOHAN-ROBBSN	BABER LSE	L DUDLEY	9-13N-13W	190*	2070*	21.0	460	190*	2070*
903 BARR-HOHAN-ROBBSN	BABER LSE #2	L DUDLEY	9-13N-13W	50*	743*	8.0	63	50*	543*
906 G. T. DUBIE	BRINKERHOFF	L DUDLEY	10-13N-13W	120*	1075*	19.1	196*	120*	1075*
905 W HENIGHAN EST	WALLER		3-13N-13W		634*		136*		634*
904 JUDITH NEUMAN	STEIDL	L DUDLEY	3-13N-13W	30*	609*	2.6	47*	30*	609*
901 ODIS PATTILLO EST	ZITA MUKILL	L DUDLEY	3-13N-13W	35*	484*	6.3	88	35*	484*
902 ODIS PATTILLO EST	A STAUB LSE	L DUDLEY	4-13N-13W	75*	596*	18.8	167	75*	596*
EDINBURG W, CHRISTIAN, SANGAMON									
103 DON HANKS	EDINBURG W U	SILURIAN	8,16,17-14N-3W	14*	1070*	1.6*	152**	14*	1080*
ELBRIDGE, EDGAR									
* 907 CONTINENTAL OIL	ELBRIDGE	FREDONIA	1,2-12N-11W/ 36-13N-11W		12000*		600*		12000*
ELDORADO C, SALINE									
*3614 BUFAY OIL CO	SPRICH-LORCH	WALTERSBURG	35-88-6E		137		24		
*3610 HAR-KEN OIL CO.	SOUTHWEST U	WALTERSBURG	20,21-88-7E		6703		663		2897
3611 HAR-KEN OIL CO.	CENTRAL U	WALTERSBURG	15,16,21-88-7E	1042*	25439*	24.0	2019	1092*	13481*
3621 HAR-KEN OIL CO.	WEST UNIT	PALESTINE	20-88-7E	529	4934*	10.2	142	171	957*
		BETHEL							
		AUX VASES							
3624 LOUIS KAPP	ELDORADO NW	WALTERSBURG	9,16,17-88-7E	90*	968*	0.1	29	25*	237*
		AUX VASES							
*3603 FRANK KING	ENDICOTT U	WALTERSBURG	2-88-7E		221		21		42
*3609 W. C. MCBRIDE	CYP, ELDORADO NE UNIT	CYPRESS	10,15-88-7E		633		58		127
3600 MISTY OIL CO	NW ELDORADO U	TAR SPRINGS	8-88-7E	150*	1837*	6.3	111	50*	451*
		HARDINBURG							
		AUX VASES							
3612 MISTY OIL CO	VICTOR BUTTNER C	AUX VASES	7-88-7E	80*	1288*	4.6	88	80*	804*
3608 THE NELSON CO.	WALT, ELDORADO NE U	WALTERSBURG	10,11,15-88-7E	400*	19295*	17.4	1633*	400*	9525*
ELDORADO E, SALINE									
*3607 G. L. REASOR OIL	PORTER	AUX VASES	23-88-7E		373		35		41
ELLERY E, EDWARDS									
1007 T. E. CROSBLEY	ELLERY EAST UNIT	AUX VASES	27,34-28-10E		1639		433**		887**
1019 T. E. CROSBLEY	ELLERY E U	OHARA	27,34-28-10E		1673				
ELLIOTSTOWN N, EFFINGHAM									
1101 VIRGIL STREETER	N ELLIOTSTOWN	MCCLOSKEY	17,20-7N-7E		529		99*		263*
ENERGY, WILLIAMSON									
4502 A. O. VAUGHN	ENERGY WF	AUX VASES	3,4-98-2E	30	1459*	5.5	104		1298*
ENFIELD, WHITE									
4441 JOE A. DULL	PRICE	AUX VASES	29-58-8E		400		80**		400*
		OHARA							
*4209 RICHARD ELSIE	S ENFIELD U 2	MCCLOSKEY	28,29,32-58-8E		1127		92		845
4264 RICHARD ELSIE	S ENFIELD U 1	AUX VASES	28,29,32-58-8E		2288		360		519
4292 RICHARD ELSIE	S ENFIELD U 3	OHARA	28,29,32-58-8E		363		99		259
EXCHANGE E, MARION									
*2630 FARRAR OIL CO.	EXCHANGE EAST UNIT	SPAR MTN	29-1N-4E		348		51		104
		MCCLOSKEY							
EXCHANGE N C, MARION									
2639 EGO OIL CO	SLAPOUT WF	MCCLOSKEY	7-1N-4E/12,13-1N-3E	400	3824*	19.7	498	180	1393*
EXCHANGE W, MARION									
2628 STONE OIL CO	WYATT A & WYATT B *	SPAR MTN	3,4,9-1N-3E	65	1196*	8.7	197*	65	542*

in Illinois, 1981—continued

RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER													
FIELD, COUNTY	NO.	DEPTH (FT)	NET PAY (FT)	POR (%)	PERM (MD)	OIL GRAV	DATE FIRST INJ.	DATE ABD.	NO. OF HELLS	ACRES UNDER	SOURCE	TYPE	REMARKS
DALE C, FRANKLIN, HAMILTON, SALINE													
CONTINUED													
1360	2400	18.5	18.0	92	36.0	07-69		21	32	4020	PENN SD, PROD (B)		*ESTIMATED FROM TOTAL INJECTION
	2475	8.5				01-65	07-71	3	4	328			*INCL ALL PAYS
	2680	13.3	13.3	109	36.0	01-65							
	2900	18.0	13.0	22	36.0	01-65							
	2980	16.5	17.3	66	37.0	01-65							
1542	2320	15.0	18.0	150		06-63		5	8	434	PENN SD, PROD (B)		
	2500	16.0											
	2700	15.0											
	2920	22.0											
	3020	25.0											
3625	3150	15.0	18.0	75	37.0	01-56		3	7	110	PRODUCED (B)		*ESTIMATED
DEERING CITY, FRANKLIN													
1319	2600	15.0			38.2	07-61		1	4	50	PRODUCED (B)		*INCL PRIM *ESTIMATED
DIVIDE C, JEFFERSON													
2015	2698	20.0			37.8	08-69		1	3	50	CYPRESS (B)		*NO PROD. REPORTED 1981
2007	2612	8.0				08-69		1	2	30	CYPRESS (B)		*ADJ. BY OPERATOR
2022	2800	6.0				74-72		2	5	80	PRODUCED (B)		*EST. + INCL. PRIM. SINCE 72
*2002	2805	6.9	18.0		36.6	05-55	09-69	1	5	60	PRODUCED (B)		
2027	2680	12.0				10-65			6	60			*ESTI + ADJ. TO ACT. W/ NO DATA 1981
2021	2710	6.0	13.0	67	37.0	11-64		13	13	1245	PENN SD, PROD (B)		
	2750	13.0	13.8	1033	37.0								
DUBOIS C, WASHINGTON													
4007	1250	9.5				01-63		6	16	250	PRODUCED (B)		*ESTIMATED
4024	1235	8.0				1-75		2	4	60	PRODUCED (B)		*ESTIMATED
*4003	1232	12.0			37.0	12-59	08-64	1	2	40	TAR SPR, PROD (B)		
4001	1260	10.0				11-68		1	4	50	PRODUCED (B)		*ESTIMATED SINCE 1970
4006	1250	10.0			37.0	10-61		3	18	210	BENOIST, PROD (B)		*ESTIMATED
4025	1215	12.0				10-61		2	5	70	PRODUCED (B)		*EST. + INCL. PRIM SINCE 62
DUDLEY, EDGAR													
900	420	18.0	20.0	30	28.3	08-67		3	15	100	PRODUCED (B)		*ESTIMATED SINCE 1973
903	410	12.0	20.0	30	29.0	02-72		2	8	80	PRODUCED (B)		*ESTIMATED
906	410	20.0				7-66		2	7	90	PRODUCED (B)		*EST. + INCL. PRIM. SINCE 66
905	415	18.0				01-67		2	6	60	PRODUCED (B)		*81 DATA N/A * INCL. PRIM. SINCE 64
904	420	15.0				05-67		1	4	40	PRODUCED (B)		*EST. + INCL. PRIM PROD
901	410	30.0				03-67		1	3	40	PRODUCED (B)		*ESTIMATED
902	400	25.0				03-67		1	7	70	PRODUCED (B)		*ESTIMATED
EDINBURG W, CHRISTIAN, SANGAMON													
103	1700	15.0			8.0	11-61		1	13	160	PRODUCED (B)		*INCL. PRIM SINCE 54 + ADJUSTED
ELBRIDGE, EDGAR													
* 907	950	4.0				6-50	12-65	12	12	300	PRODUCED (B)		*ESTIMATED
ELDORADO C, SALINE													
*3614	2050	11.0	15.0	150	38.0	09-64	12-68	1	1	10	PALESTINE SD (B)		
*3610	2130	16.0	17.0	225	38.0	05-63	01-74	5	23	290	PENN SD, PROD (B)		
3611	2150	20.0	17.0	225	38.0	05-63		5	5	220	PENN SD, PROD (B)		*EST
3621	1900	15.0	17.0			2-72		4	5	200	PENN SD, PROD (B)		*EST
	2700	5.0	11.0										
	2900	10.0	15.0		32.6								
3624	2330	15.0				06-71		4	5	100	PRODUCED (B)		*ESTIMATED SINCE 1978
	2900	12.0						3	3	100			
*3603	2090	7.0	13.0	100		04-59	10-63	1	4	60	PENN SD (B)		
*3609	2560	12.0	18.0	80	38.0	12-62	08-68	2	3	90	PENN SD, PROD (B)		
3600	2200	10.0			36.9	05-70		1	1	30	PRODUCED (B)		*ESTIMATED
	2314	8.0						2	2	40			
	2900	7.0						3	4	80			
3612	2922	8.0			35.6	09-63		1	2	40	PENN SD (B)		S.D. 4-65, REACTIVATED 7-66 * EST
3608	2200	22.0	19.0	200	38.0	08-63		6	7	540	PENN SD, PROD (B)		* SINCE 11-62 * EST. SINCE 77
ELDORADO E, SALINE													
*3607	2900	7.0			37.0	01-61	12-65	5	6	150	PALESTINE SAND (B)		
ELLERY E, EDWARDS													
*1007	3170	10.0	17.7	26		12-57	06-67	13	11	270	SH SD, PROD (M)		*NO DATA 1966-67 * INCL 1019
*1019	3240	6.0				12-57	06-67	10	16	300	SH SD (F)		*NO DATA 1966-67 * INCL WITH 1007
ELLIOTSTOWN N, EFFINGHAM													
*1101	2700	6.0				12-66	12-72	2	10	180	TAR SPR, PROD (B)		*ESTIMATED 1968-72
ENERGY, WILLIAMSON													
4502	2354	20.0			40.0	10-71		2	4	100	PRODUCED (B)		*ESTIMATED
ENFIELD, WHITE													
*4441	3245	15.0				7-60	12-64		1	20	PRODUCED (B)		*EST. + ADJ. TO 426484292
	3320	8.0						1	1	30			* INCL. PRIM. 1960-1966
*4209	2945	4.6			36.6	10-56	03-68	2	1	80	SH SD, PROD (M)		
*4264	2810	8.4	21.5	142	36.0	02-54	03-68	3	3	220	PRODUCED (B)		* INCL. PRIM. PROD
*4292	2874	5.0			37.5	08-56	10-63	1	1	80	PRODUCED (B)		* INCL. PRIM. PROD SINCE 8-56
EXCHANGE E, MARION													
*2630	2775	10.0				05-66	07-70	1	2	80	CYPRESS		
	2850	5.0						1	3	80			
EXCHANGE N C, MARION													
2635	2709	15.0	11.7	200	36.2	11-66		4	9	400	WELL (B)		*ESTIMATED 1981
EXCHANGE W, MARION													
2628	2572	12.0				11-66		2	7	511	PRODUCED (B)		*EST. + INCL. PRIM

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBLG)					
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER	OIL	WATER			
PROJECT NO., OPERATOR	U = UNIT		S = T = R	INJECTION	PRODUCTION	PRODUCTION	TOTAL	TOTAL	
ABO				* TOTAL * CUM,	* TOTAL * CUM,	* TOTAL * CUM,	* 1981 * 12/31	* 1981 * 12/31	
P.M.				* 1981 * 12/31	* 1981 * 12/31	* 1981 * 12/31			
FAIRMAN, CLINTON, MARION * 413 PAUL WAITE	DUOMB-KREITLER	BENLIST	13,24-3N-1W	1494**	252**	1494**			
FLORA S, CLAY * 331 DONALD G. BEARY	GIVEN-MCGREW U	MCCLOSKEY	4-2N-6E	70	4*	7			
FRIENDSVILLE N, WABASH * 3998 D. LOEFFLER ESTATE. * 3948 MOBIL OIL CORP. * 3953 J. W. SANDERS	FRIENDSVILLE NORTH U LITHERLAND FRIENDSVILLE N U	BIEHL BIEHL BIEHL	12-1N-13W 1,2-1N-13W 1-1N-13W	379 623 .	99 142* 7	99 282 .			
PROGTOWN N, CLINTON 409 ELMER DELZE	SCHROEDER	SILURIAN	31-3N-3W	*	8.1	105			
GARD'S POINT, WABASH 3853 BELL BROTHERS 3852 WALKER DRUG CO.	TALLEY GARD'S POINT UNIT	OHARA OHARA	23-1N-14W 23,26-1N-14W	70* 1675*	3.8 2.5	52 81	70*	1440*	
GERMANTOWN E, CLINTON * 406 NAT. GAS PIPELINE	GERMANTOWN	SILURIAN	36-2N-4W, 1-1N-4W	140	5018	9.7	1249	140 5018*	
GILA, JASPER * 1916 SCHAEFER OIL CO.	GILA	MCCLOSKEY	28,32,33-8N-9E	3194	418	1760			
GOLDENGATE C, EDWARDS, WAYNE, WHITE * 4412 AMERICAN PUMP * 4124 CITIES SERVICE * 4128 CITIES SERVICE * 4155 CULLEUM OIL CO. * 4154 ALVA C. DAVIS * 4145 DUNCAN LSE+RDY 4139 FAIRFIELD OIL CO * 4374 GULF OIL CO	POLLARD UNIT KLETZKER U GOLDENGATE U PETTIGREW-PIERCY UNIT BUNNAGE-WOODS U SCOTTSVILLE POND CREEK WF UNIT GOLDENGATE UNIT	AUX VASES AUX VASES MCCLOSKEY AUX VASES AUX VASES AUX VASES AUX VASES AUX VASES AUX VASES AUX VASES MCCLOSKEY AUX VASES AUX VASES SPAR MTN MCCLOSKEY AUX VASES AUX VASES SPAR MTN MCCLOSKEY AUX VASES OHARA SPAR MTN AUX VASES AUX VASES OHARA SPAR MTN AUX VASES AUX VASES SPAR MTN BETHEL AUX VASES BETHEL AUX VASES	21,22,27,28-38-9E 4-38-9E 28,32,33-28-9E 24-28-9E 13,24-28-9E 23,26-28-9E 29,30,31,32-28-9E 34,35-38-9E, 3-48-9E 20-28-10E 24,25-28-9E 19,30-28-10E 28-38-9E 32,33-28-9E 3-48-9E 15,22,23,27-28-9E 30,31-28-10E 26-28-9E 21-38-9E 23,26-28-9E	2174 102 926 262* 631 751 8532* 7279 79 5595* 800* 561*# 1515* 109 2546 3008* 268 131 215 680 163* 163 150 350* 917* 250* 5* 84 334 1597 40* 227 23 300* 5613 179* 20 100 350* 54 1361* 31 5596*	109 1 7 14* 95 254 622 656 14 380 105** 67* 203* 27 440+ 21 34 26 25 30* 23 55* 96 3 30 16 78+ 229 923 19 26 192 1045* 30 162 152 79 299 337 138 40*	1085 10 281 122* 130 254* 2554* 3689 5 3638* 800* 308*# 655* 107 1496** 131 24 275 104* 150 350* 295* 40* 2525* 64 3202 250* 3147* 37 112 136 40* 705* 120 240* 128 1674* 2114 45 510* 1242* 14* 3672* 3441 1170* 2189*			
* 1027 ILL. LSE, OP. 4083 ILL. MID=CONT,	CHALCRAFT-HORN SOUTH ELLERY UNIT	AUX VASES AUX VASES SPAR MTN MCCLOSKEY	20-28-10E 24,25-28-9E 19,30-28-10E	225*	5595*	9.7	380	225*	3638*
* 4447 JENKINS BROS 4123 M AND M OIL CO.	WHITLOW-WILLIAMS GOLDENGATE UNIT	MCCLOSKEY AUX VASES OHARA SPAR MTN AUX VASES AUX VASES OHARA SPAR MTN	28-38-9E 32,33-28-9E 3-48-9E 15,22,23,27-28-9E	35	561*# 1515* 109 2546	1.9 203* 27 440+	67* 203* 21 34	35 308*# 655* 1496**	
* 4378 MARCH DRUG CO. 4148 POOL OIL CO.	GOLDENGATE W. ELLERY	AUX VASES AUX VASES OHARA SPAR MTN AUX VASES AUX VASES SPAR MTN	3-48-9E 15,22,23,27-28-9E	17*	3008* 268 131	1.4 440+	17*	1496**	
1023 ROBINSON PROD, * 4138 SKILES OIL CORP. * 4377 TEXACO, INC. * 4189 W. J. WILLIAMS	SNOWDALL UNIT O'DANIEL U J. MANCOCK COOP GOLDENGATE EAST UNIT	AUX VASES AUX VASES AUX VASES BETHEL AUX VASES BETHEL AUX VASES	30,31-28-10E 26-28-9E 21-38-9E 23,26-28-9E	34	131 215 680 163* 163	7.4 21 34	21 34	131	
GOLDENGATE N C WAYNE 4062 COLLINS BROS. * 4051 ILL. MID=CONT. 4066 NOAH PET	JONES LOCKE-JOHNSON GOLDENGATE NORTH UNIT	AUX VASES OHARA AUX VASES	5-28-9E 17-28-9E 17-28-9E	20*	150 350* 917*	0.3 96	10*	295*	
HALF MOON, WAYNE 4168 COLLINS BROS. 4160 JUNIPER PETROLEUM C	HALF MOON UNIT HALF MOON U	MCCLOSKEY OHARA	28-18-9E 26,34,35-18-9E	40* 64	5264* 7917	3.3 3.5	195 759	40* 64	2525* 3202
MARCO, SALINE 3619 COLLINS BROS. 3613 LOBREE CORP.	MARCO U MARCO WEST POOL UNIT	AUX VASES AUX VASES	16-88-5E 29-88-5E	250* 5*	4484* 728*	9.2 0.2	264 69	250* 3147*	
MARCO E, SALINE * 3601 SUN OIL CO. * 3602 SUN OIL CO.	MARCO WF UNIT MARCO WFFU	CYPRESS AUX VASES	25-88-5E 24,25,26-88-5E		84 334	3 30		37 112	
HARRISBURG, SALINE * 3606 W. C. MCBRIDE	HARRISBURG NORTH	WALTERSBURG	34-68-6E		1597		16	136	
HERALD C, GALLATIN, WHITE 1454 ABBEY OIL CO * 1419 ASHLAND O AND R 4210 C. E. BREHM * 4304 C. E. BREHM 4456 JACK BROOKOVER	C.MST.H BOYD SOUTH NEW HAVEN UNIT HERALD W. U. NEW HAVEN U NEWCOMB=AUD=HOV=WLSON	CYPRESS TAR SPRINGS WALTERSBURG AUX VASES CYPRESS AUX VASES AUX VASES TAR SPRINGS CYPRESS TAR SPRINGS AUX VASES AUX VASES TAR SPRINGS AUX VASES AUX VASES TAR SPRINGS CYPRESS AUX VASES AUX VASES AUX VASES AUX VASES CYPRESS AUX VASES AUX VASES CYPRESS AUX VASES AUX VASES CYPRESS	23-78-9E 29,30-78-10E 28,33-68-9E 18-78-10E 34-68-9E 23,24,25,26-78-9E 21,28-78-9E 16-78-9E 24-78-9E, 19-78-10E 24-78-9E 17,18-78-10E 14-78-9E 11-78-9E 10-78-9E 4-78-10E 27,33,34-68-9E,	40* 227 23 300* 5613 179* 20 100 350* 54 1361* 31 5596*	4.8 29.9 4.6 22.4 1045* 0.9 13.8 2.2	78+ 229 923 19 26 192 30 162 152 79 299 337 138 40*	40* 120 23 300* 2114 707 240* 128 1674* 2114 45 510* 1242* 14* 3672* 3441 1170* 2189*		
* 1405 CONTINENTAL OIL * 1431 CONTINENTAL OIL 1430 JOE A. DULL 1433 JOE A. DULL * 4340 IND. FARM BUR. 4400 PAUL S. KNIGHT 4360 LADD PETROLEUM	COTTONWOOD N U COTTONWOOD TAH SPR HERALD E U GLOVER=NEVILLE NEW HAVEN WF HARRELL=KNIGHT=WILLMS BAYLEY U	CYPRESS TAR SPRINGS TAR SPRINGS AUX VASES AUX VASES TAR SPRINGS AUX VASES TAR SPRINGS PENNYSLVNIN CLORE TAR SPRINGS CYPRESS AUX VASES AUX VASES AUX VASES AUX VASES CYPRESS	21,28-78-9E 16-78-9E 24-78-9E, 19-78-10E 24-78-9E 17,18-78-10E 14-78-9E 11-78-9E	20 100 350* 54	179* 1672* 1404* 786 3874* 8265	0.9 13.8 2.2	30 162 152 79 299 337	45 510* 1242* 14* 3672* 3441 1170* 2189*	
4365 LADD PETROLEUM * 4359 LIVINGSTON OIL 4355 MASON OIL CO.	HERALD COOP CALVERT 'A' HERALD U	AUX VASES AUX VASES CYPRESS	10-78-9E 4-78-10E 27,33,34-68-9E,	*	1361* 31 5596*	2.2 0.1	138 747	40* 25*	1170* 2189*

in Illinois, 1981—continued

RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER *													
FIELD, COUNTY		PERM OIL		DATE		DATE		NO. OF		SOURCE		TYPE	
PROJ.	DEPTH	NET	POR	(HD)	GRAV	FIRST	ASD.	WELLS	ACRES	SD-BAND	(F)	FRESH	
* NO.	(FT)	(FT)	(%)	(API)	INJ.	INJ.	PROD.	INJ.	PROD	PROD	PROD	(M)	MIXED
REMARKS													
FAIRMAR, CLINTON, MARION													
* 413	1450	8.0	21.0	357	38.0	03-59	01-76	4	9	150	PRODUCED (B)		*NO DATA 1971-74; *ESTIMATED
FLORA S, CLAY													
* 331	2992	12.0				10-59	05-61	1	1	40	SH SD, PROD (M)		*ESTIMATED
FRIENDSVILLE N, WABASH													
*3998	1650	10.0	15.0	35	33.0	05-62	01-71	4	3	60	SH SD (F)		
*3945	1620	12.5	16.0	81	35.6	07-47	09-57	2	3	60	SH SD (F)		*INC PRIM PROD
*3953	1631	10.0			36.6	08-57	12-61		2	40	SH SD (F)		*DUMP FLOOD
FROGTOWN N, CLINTON													
409	2240	18.0				03-68		3	8	140	PRODUCED (B)		*SHD, NO INJ DATA
GARD'S POINT, WABASH													
3053	2660	10.0				06-71			3	60			*ADJACENT TO ACTIVE WF
3052	2680	8.0				06-71		2	8	160	PRODUCED (B)		*ESTIMATED
GERMANTOWN E, CLINTON													
* 406	2300	60.0			39.4	09-56		2	11	300	PRODUCED (B)		
GILA, JASPER													
*1916	2835	6.9	12.5	276	39.0	09-63	09-70	4	17	437	GRAVEL, PROD (M)		
GOLDENGATE C, EDWARDS, WAYNE, WHITE													
*4412	3250	12.5	21.0	100	37.4	01-63	04-73	5	6	170	PENN SD, PROD (B)		
*4124	3242	10.0	15.0	10		06-56	10-58	1	2	30	CYPRESS, PROD (B)		
*4128	3308	8.0			34.0	10-53	07-57	2	8	159	GRAVEL BED (F)		
*4155	3270	11.0			39.5	11-62	01-71	2	4	60	PENN SD, PROD (B)		*ESTIMATED 1967-70
*4154	3250	14.0			39.3	05-62	12-70	5	4	90	PRODUCED (B)		
*4145	3100	9.0			39.8	01-59	01-64	8	7	130	SH SD, PROD (M)		
4139	3220	20.0	15.0	150	38.5	05-60		1	7	600	SH SD, PROD (M)		*ESTIMATED
*4374	3300	15.0	18.0	101	36.9	03-63	04-67	29	10	560	PENN SD, PROD (M)		
	3400	12.0	13.0	184				25	12	560			
	3458	10.0	10.0	102				19	10	560			
*1027	3222	8.0	22.3			12-62	04-65	1	3	40	PENN SD (B)		
4083	3260	13.5	15.0	8	39.5	09-71		3	4	530			*ESTIMATED SINCE 1973
	3370	7.0	12.9	55	39.5	01-66		2	4	240	PENN SD, PROD (B)		
	3395	6.5	12.5	350				2	4				
*4447	3420	5.0				7-60	7-76	1	2	40	PRODUCED (B)		*EST. *INCL. PRIM, 60-75
4123	3200	12.0	16.0	100	38.0	09-65		6	7	40	GRAVEL BED (F)		*EST; INCL ALL PAYS; *OHARA AND SPAR MTN CO-MING 8-56 TO 12-75; *AV 1965-74; ALL PAYS SINCE 1975
	3260	9.0	15.0	30	36.0	08-56				70			
	3275	6.0	15.0	30									
*4378	3310	21.0	18.5	51	39.5	05-63	12-65	1	1	20	PENN SD, PROD (B)		
4148	3240	10.0				09-61	06-70	4	6	200	SH GRAVEL (F)		*INCLUDES ALL PAYS
	3270	15.0				09-61		2	4	400			
	3310	9.0				09-61	05-70	1	2	60			
1023	3180	5.5				9-77		1	4	30	PRODUCED (B)		
	3310	12.5						1	2	30			
*4138	3097	10.0			37.0	01-59	06-63	2	2	40	SH SD, PROD (M)		
*4377	3240	15.0				01-63	12-66	2	2	40	PENN SD, PROD (B)		
*4169	3080	10.0			39.0	07-65	06-71	1	2	30	PENN SD (B)		*EST 1966-70; NO DATA 1971
	3206	17.0						1	4	60			
GOLDENGATE N C WAYNE													
4062	3225	19.0				9-60		1	1	20	CYPRESS & PROD (B)		*NO OIL PRODUCTION REPORTED 1981
*4051	3315	8.0				7-64	11-69	1	1	20	PRODUCED (B)		*ESTIMATED
4066	3250	15.0				07-71		4	5	100	PRODUCED (B)		*ESTIMATED SINCE 1977
HALF MOON, WAYNE													
4168	3300	10.0			40.4	12-62		6	9	470	GRAY BED, PROD (M)		*ESTIMATED
4160	3280	10.0	11.0	124	40.0	01-62		1	3	80	SH SD (F)		
MARCO, SALINE													
3619	2900	15.0				10-69		5	15	230	PRODUCED (B)		*ESTIMATED
3613	2900	5.2	17.8	39	40.0	10-65		3	1	80	CYPRESS, PROD (B)		*ESTIMATED SINCE 1977
MARCO E, SALINE													
*3601	2550	9.0				07-59	08-61	1	2	30	PENN SD, PROD (B)		
*3602	2850	8.0				07-59	09-62	2	9	80	PENN SD, PROD (B)		
HARRISBURG, SALINE													
*3606	2020	10.0	18.0	140	38.4	07-58	11-68	3	5	80	PENN SD, PROD (B)		
HERALD C, GALLATIN, WHITE													
1454	2575	15.0				4-70*		1	4	50	PRODUCED (B)		*EST. *INCL. PRIM SINCE 70
*1419	2150	14.0	16.5	400	35.8	12-61	03-70	5	3	92	GRAY BED, PROD (M)		
4210	2325	20.0	20.0	50	37.0	01-55		4	12	200	PENN SD (B)		*DATA FROM 1980 ONLY, *ADJUSTED
*4304	2900	15.0	15.0	100	38.0	02-60	12-65	3	3	80	RIVER (F)		
4456	2680	12.0				8-76		1	6	70	PRODUCED (B)		
	2920	10.0											
1444	2315	10.0			39.0	08-69		4	5	120	CYPRESS (B)		*ESTIMATED SINCE 1973
	2950	15.0						3	13	200			
*1405	2650	12.0	15.0	80		12-57	04-69	6	15	400	CLORE, PROD (B)		*INCL PRIM PROD SINCE 12-57
*1431	2260	15.0	12.0	30	37.8	10-63	12-68	1	1	40	CLORE, PROD (B)		*INJ STOPPED 4-67
1430	2900	10.0	17.0	150	38.0	08-63		2	2	200	PALESTINE, PROD (B)		*EST.
1433	2900	8.0	12.0	37	38.0	11-63		2	6	160	PRODUCED (B)		*EST 1981
*4340	2870	14.0	10	35.3		02-60	12-67	4	3	250	SH SD, PROD (M)		*EST SINCE 1-62
4400	2260	11.0				10-70		2	6	100	PALESTINE, PROD (B)		*ESTIMATED
4360	1550	15.0	14.0	50		01-62		4	4	200	PENN SD, PROD (B)		
	2050	15.0											
	2280	10.0											
	2430	22.0											
	2880	14.0											
4365	2900	13.0	18.2	100	37.0	05-62		2	6	70	PENN SD, PROD (B)		*ESTIMATED SINCE 74; *INJ, DISC, 73
*4399	2920	18.0			36.8	05-62	07-64	1	1	20	SHALLOW WELL (F)		
4355	2675	11.4	16.2	52	38.0	06-62		20	30	420	PENN SD, PROD (B)		*ESTIMATED

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBL/D)				
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION			
PROJECT NO., OPERATOR	U = UNIT		S = T = R				TOTAL CUM.	TOTAL CUM.	TOTAL CUM.
A B D							1981	12/81	1981
P.M.							12/81	1981	12/81
HERALD C, GALLATIN, WHITE CONTINUED									
4355 MASON OIL CO.			4=78=9E						
4291 W. C. MCBRIDE	BAYLEY	PENN	3=78=9E		398		27		129
*4212 G. B. MITCHELL	BAYLEY U	CYPRESS			491		21		35
*4211 DENNIS PAINE	ACKERMAN UNIT	CYPRESS	2=78=9E		462		63		
4382 BERNARD PODOLSKY	BAYLEY UNIT	WALTERSBURG	13,24=78=9E		25	1308	0.2	206	8
4383 BERNARD PODOLSKY	GRANT AUX VASES UNIT	AUX VASES	13=78=9E		17	499	1.2	67	27
4389 BERNARD PODOLSKY	CLARK UNIT	AUX VASES	4,5,8,9=78=10E		36	1461*	1.8	121	3
4428 BERNARD PODOLSKY	L.D.AUSTIN	WALTERSBURG	28=68=9E		*	*	2.8	123	40*
4427 SANDS OIL CO.	HERALD NW UNIT	WALTERSBURG	27,28=68=9E		60*	823*	8.3*	160*	60*
4348 SHAKESPEARE OIL	QUESTELL COOP	PENNSYLVNIN	11=78=9E		32	699	4.3	148*	11
*4364 TAMARACK PET.	HERALD U	PENN	34=68=9E,2=78=9E			343		17	17
HICKORY HILL, MARION									
*2625 EAGLE SUPPLY CO	HALFACRE	BENOIST	27=1N=4E		114		17		131
HILL E, EFFINGHAM									
1120 PARTLOW, COCHNOR	MORATH, POYNTER, GADDEY	CYPRESS	1,12=6N=6E		25*	1554*	1.6	105	25*
1121 PARTLOW, COCHNOR	BROWN, WOOD=BROWN	SPAR MTN	10,11=6N=6E		7*	3769*	0.7	253	1*
*1105 WICHITA INDUSTRIES	HILL EAST UNIT	CYPRESS	11,12,13,14=6N=6E			3185		154	1100
HORD, CLAY									
351 JET OIL CO.	CONNERLY=SCHROLL	AUX VASES	14=5N=6E		8	212	1.4	42	8
		STE GEN							146
HORD & C, CLAY									
* 332 SHIRK, WEBSTER	SOUTH HORD UNIT	STE GEN	26,27,34,35=5N=6E			8908		748	-6707
* 337 SHIRK, WEBSTER	ZINK UNIT	STE GEN	26,35=5N=6E			1571		77	462
INA, JEFFERSON									
*2008 KEWANEE OIL CO.	J&FF=KANBER=THREL B	RENAULT	23=4S=2E			2317		238	2535
		MCCLOSKEY				1130			
INGRAHAM, CLAY									
326 BUPAY OIL CO	SAILOR SPRINGS EAST U	SPAR MTN	5,6=4N=8E		15	191	3.4	45	2*
* 320 HUMBLE O AND R	INGRAHAM U	SPAR MTN	4,9=4N=8E			2568		810	1543
INMAN E C, GALLATIN									
1436 AUTUMN OIL CO	EGLI	TAR SPRINGS	20,21,28,29=78=10E		140*	2975*	8.3	349	140*
1408 BI-PETRO, INC.	WEST UNIT	CYPRESS				29098*		3378	10080*
		PALESTINE	9,10,15,16,21,						
		WALTERSBURG	22=88=10E						
		TAR SPRINGS							
		HARDINSBURG							
		CYPRESS							
1459 C. E. BREHM	LEACH=TATE U	WALTERSBURG	20,21=88=10E		*	*	*	*	*
1455 JAMES BRONNING	GOPOURTH	TAR SPRINGS	27=78=10E		+	+	5.1	108	25*
1422 CRAWFORD PROD	BLACK	WALTERSBURG	2=88=10E			682		115*	333*
1409 FARRAR OIL CO.	E INMAN	TAR SPRINGS	33,34=78=10E,2,3,10=			24228		3550	186
		CYPRESS	88=10E						
*1406 HUMBLE O AND R	BIG BARN	CYPRESS	11=88=10E			226		83	27
1456 MOBIL OIL CORP.	WILLIAMS	TAR SPRINGS	27=78=10E		50*	1410*	2.4	114	20*
1420 JOE SIMPKINS OIL	HAVEN	AUX VASES	28,32=78=10E			182		2	1180
1428 E. G. WELKER	EGYPTIAN TIE, TIMBER	WALTERSBURG	21=88=10E			515		61*	149*
		HARDINSBURG							
		CYPRESS							
1407 WESTERN OILS, LTD	KERWIN=CRAWFORD	DEGONIA	11,14=88=10E		90+	2530**	8.5	2173	90+
		CLORE							5904+
		PALESTINE							
		WALTERSBURG							
		TAR SPRINGS							
		CYPRESS							
		MCCLOSKEY							
1411 WESTERN OILS, LTD	J A WILLIAMS	TAR SPRINGS	27=78=10E			170		20	273
1429 WESTERN OILS, LTD	SOUTH INMAN UNIT	WALTERSBURG	21,22=88=10E			2467		134	1359
		CYPRESS							
INMAN W C, GALLATIN									
1410 ASHLAND O AND R	RISTER=MOYE U	TAR SPRINGS	15=88=9E		6	827	0.1	100*	6*
1440 ASHLAND O AND R	WEST INMAN U	CYPRESS							230+
		TAR SPRINGS	11,12,14=88=9E		91	3825*	9.1	370*	18
		HARDINSBURG							692*
		CYPRESS							
1437 CALVERT DRLG. CO.	GAUEN	CYPRESS	15=88=9E					90	
1428 T. L. CLARK	HISH=STRAUS UNIT	BIEHL	21=88=9E		20*	173*	1.5	31	20*
1442 FARRAR OIL CO.	POND U	CYPRESS	26,27=88=9E		60*	1462*	9.0	278	60*
		AUX VASES							183*
1402 GULF OIL CO	INMAN W U	CYPRESS	15,16=88=9E			2890		425*	499*
*1403 GULF OIL CO	INMAN WU	TAR SPRINGS	15,16=88=9E			*		*	*
1438 JUNIPER PETROLEUM C	RIDGWAY E UNIT	WALTERSBURG	14,22,23,27=88=9E		164	2509	7.0	259	60
		CYPRESS							1163
1424 OIL MANAGEMENT INC	DRONE=RIDER=MINER	CYPRESS	27=88=9E			340		49*	104*
1450 DENNIS PAINE	WILLIAMS	HARDINSBURG	12=88=9E		*	*	1.1	39	
		CYPRESS							
*1404 PHILLIPS PET. CO	LEVERT	CYPRESS	3=88=9E			8			
*1415 REBSTOCK OIL CO.	INMAN W	TAR SPRINGS	13,24=88=9E			1408		79	764
1427 REBSTOCK OIL CO.	SCHMITT 'A'	PENNSYLVNIN	15=88=9E		20*	3029*	1.4	57	20*
1401 SABER OIL CO	BRADLEY UNIT	BIEHL	17=88=9E			512		169*	217*
1453 SHAKESPEARE OIL	RIDGWAY UNIT	CYPRESS	26=88=9E		27	5283*	2.9	271*	27
		AUX VASES							5283*
1425 JOE SIMPKINS OIL	INMAN WEST UNIT	TAR SPRINGS	1,12=88=9E,6,7=88=10E		60*	2952*	9.0*	1440*	175**
		HARDINSBURG				30*		1786*	4566**
		CYPRESS				90*		4582*	
1449 JOE SIMPKINS OIL	NORTH INMAN UNIT	AUX VASES	31=78=10E,16=88=10E		150*	1575*	9.1	103	150*
1451 JOE SIMPKINS OIL	DOWNEN=HURPHY	AUX VASES	1,2=88=9E		20*	290*	0.9	16	20*
1400 TARTAN OIL CO.	BOEBEL=HC GUIRE=RIDER	AUX VASES	19=88=10E		60*	803*	3.6	81	60*
*1450 V. T. DRLG. CO.	A. STRAUS CONH	TAR SPRINGS	15=88=9E			*		35*	150*

in Illinois, 1981—continued

***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER *****												
***** FIELD, COUNTY * PERM OIL * DATE * DATE * WELLS * ACRES * SD= SAND (F)= FRESH *****												
* PROJ.	* DEPTH	* NET	* POR	* (MD)	* GRAV	* FIRST	* DATE	* DATE	* WELLS	* ACRES	* SD= SAND	(F)= FRESH
* NO.	* (FT)	* PAY	* (%)	* (API)	* INJ.	* INJ.	* PROD.	* INJ.	* PROD.	* PROD.	* PROD.	* PROD.
* NO.	* (FT)	* PAY	* (%)	* (API)	* INJ.	* INJ.	* PROD.	* INJ.	* PROD.	* PROD.	* PROD.	* PROD.
***** REMARKS *****												
HERALD C, GALLATIN, WHITE CONTINUED												
4355												
*4291	1520	15,0	14,6	52				11-69	01-76	2	3	50
	2700	10,0								2	3	50
*4212	2715	15,0	14,9	58	39,0			09-57	08-62	2	2	60
*4211	2890	23,0						02-56	01-71	1	2	30
4382	2300	8,9	20,0	200	38,5			01-63		1	2	60
4383	2930	9,7	19,0	100	34,8			08-63		2	4	100
4389	2890	8,0	18,0	75	36,0			10-64		8	6	155
4428	2310	30,0						01-55		1	6	60
4427	2320	12,0						01-71		2	5	60
4348	1425	13,0	19,0	46	33,5			01-62		1	2	59
*4364	1590	8,0	15,1	15				01-62	12-64	3	3	120
												PENN SD, PROD (B) *INJ, CURTAILED 6-75
HICKORY HILL, MARION												
*2625	2640	10,0			36,0			10-65	01-72	1	1	20
HILL E, EFFINGHAM												
1120	2460	6,0						08-59		1	5	60
1121	2690	6,0						01-61		1	7	170
*1105	2460	13,0	18,0	100	40,0			12-59	12-64	3	15	150
HORD, CLAY												
351	2710	15,0						10-65		1	2	20
	2780	10,0										30
HORD S C, CLAY												
*332	2790	8,6	15,0	862	36,1			09-58	06-70	3	12	340
*337	2790	5,2	15,8	835	38,0			08-62	06-70	6	4	250
INA, JEFFERSON												
*2008	2640	10,0	22,0	96	37,0			12-60	12-69	3	3	120
	2770	8,0	13,0	25					12-69	4	3	140
INGRAHAM, CLAY												
326	2990	10,0						1-75		1	5	140
*320	3000	5,1	14,2	2450	38,0			12-56	12-60	9	17	297
INMAN E C, GALLATIN												
1436	2175	12,0	18,5	325	36,8			04-64		3	4	110
	2499	21,0	16,5	212						4	4	130
1408	1750	10,0	19,0	200	36,5			07-56		17	40	40
	1980	15,0			37,2							160
	2160	18,0			36,8							100
	2200	14,0			36,5							220
	2380	24,0			34,4							750
1459	1995	15,0	18,0		35,0			10-81		1	2	30
1455	2100	18,0						7-66		1	3	30
*1422	1975	15,0			37,0			01-59	12-67	1	3	50
*1409	2150	14,0	17,5	150	37,7			03-54	12-64	33	35	700
	2440	10,0	16,8	50	38,0					23	24	500
*1406	2400	5,9	16,5	58	38,0			04-54	12-66	3	1	30
1456	2100	8,0						6-65		1	1	20
*1420	2770	9,0	12,4	8	39,0			11-60	07-62	4	4	80
*1428	1986	13,0			36,0			01-59	12-68	1	2	30
	2206	13,0								1	2	30
	2419	5,0								1	2	30
1407	1700	7,5	18,0	100	37,5			06-55		2	3	50
	1730	7,5								5	4	100
	1830	8,5			37,2					6	8	140
	1930	13,5			36,8					10	14	200
	2030	17,0								17	20	340
	2360	21,8			34,4					12	15	240
										1	4	40
*1411	2102	14,0	16,0					07-66	07-78	1	2	30
*1429	2000	7,0	19,6	109	36,0			11-62	10-79	5	8	170
	2380	15,0	16,6	89						2	4	60
INMAN W C, GALLATIN												
1410	2180	10,0	17,0	80				06-61	01-69	1	1	120
	2500	12,0	16,5	40								
1440	2185	10,0			36,0			05-65		2	4	900
	2320	10,0										
	2516	10,0										
*1457	2500	11,0						6-55	12-63	2	1	10
1428	1570	10,0	21,0	75	38,0			01-62		1	5	70
1442	2480	7,0						09-68		2	5	80
	2780	15,0								5	15	210
*1402	2500	16,5	13,5	40	38,6			05-55	12-63	10	7	110
*1403	2180	11,0	13,0		36,1			03-57	03-63	3	7	90
1438	2080	18,0			36,8			01-72		5	5	100
	2502	7,0						11-65				
*1424	2500	8,0						06-66	12-77	4	9	110
1450	2300	10,0						1-68		1	1	20
	2480	15,0								1	2	30
*1404	2360	6,0	18,0	100	35,0			05-57	06-59	1	1	20
*1413	2122	10,0			36,0			04-56	12-70	4	4	69
1487	1666	8,0						08-60		1	1	60
*1401	1726	8,0	15,0	72	36,9			10-57	01-74	1	1	180
1493	2490	8,0						05-52		1	4	40
	2780	18,0										20
1425	2150	15,0			36,0			09-66		11	7	200
	2290	10,0			37,0					9	6	160
	2475	15,0			37,0					14	13	300
1449	2800	15,0						08-73		5	7	140
1451	2810	22,0						01-68		2	1	30
1400	2740	20,0						07-58		1	5	10
*1488	2190	8,0						6-57	6-63	1	1	10

TABLE 11. Waterflood operations

GENERAL INFORMATION					* PRODUCTION AND INJECTION STATISTICS (M BBL) *				
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER	OIL	WATER	INJECTION	PRODUCTION	PRODUCTION
PROJECT NO., OPERATOR	U = UNIT		S = T = R						
* * * ABD							TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.
* * * P.M.							1981 * 12/81	1981 * 12/81	1981 * 12/81

INMAN W C, GALLATIN CONTINUED									
1498 V. T. DRLG. CO.	SLATON	CYPRESS	HARDINSBURG	11-88-9E	283		25		121*
*1423 ZANETIS OIL PROP		CYPRESS							
IOLA C, CLAY, EFFINGHAM									
378, CULLUM OIL CO.	MC GEE=MOSS	AUX VASES	BETHEL	22-5N-5E	25*	1186*	1.0	65	25*
1112 GETTY OIL CO	BURK ROYALTY U	BETHEL		27,34-6N-5E	327	8548	2.7	215	152
		AUX VASES	SPAR HTN						
* 357 JARVIS BRGS.	LIGGETT	AUX VASES	BETHEL	17-5N-5E	201		31		201
1113 KARCHMER PIPE	ERVIN=ETCHASON	BETHEL		34,35-6N-5E	70*	1126*	3.7	160	70*
		AUX VASES	BENOIST						
1110 LADD PETROLEUM	S MASON U	BENOIST		26,27,34,35-6N-5E	741	12203	45.3	1035	494
		AUX VASES	SPAR HTN						
1111 LADD PETROLEUM	KINGWOOD JARVIS U	BENOIST		34,35-6N-5E	528	13057	22.3	717	318
		AUX VASES	SPAR HTN						
1119 E. M. SELF	WRIGHT	AUX VASES	SPAR HTN	27-6N-5E	175*	2433*	5.4	175	175*
303 SHAKESPEARE OIL	IOLA COOP	SPAR HTN	YAR SPRINGS	14,15-5N-5E	292	21247*	10.1	1415	292
		CYPRESS	BETHEL						
		BENOIST	AUX VASES						
* 322 TEXACO, INC.	IOLA COOP	BENOIST		14,15-5N-5E		1589		55	
* 323 TEXACO, INC.	IOLA COOP	AUX VASES		14,15-5N-5E		3363		85	4414*
338 TEXACO, INC.	IOLA S. U.	AUX VASES		22-5N-5E	105	3981	2.0	120*	106
376 TEXACO, INC.	FENDER, PRATHER, SPURLN	AUX VASES	SPAR HTN	2,11-5N-5E	197	2761	2.8	140	197
IRVINGTON, WASHINGTON									
4020 CULLUM OIL CO.	HOLSHER=MASCHOF=ERBES	CYPRESS	BENOIST	9,10-18-1W	80*	1435*	3.4	109	80*
4026 E M & K OIL CO	KOELLING&STANTON	CYPRESS	BENOIST	23,26-18-1W	237*	4887*	2.2	420*	237*
		DEVONIAN	TRENTON						
4019 FEAR AND DUNCAN	RAMN=BRINK	BENOIST		14,15,22-18-1W	200*	5115*	7.7	333	200*
4009 K W B OIL PROP.	MGMTBROWN UNIT	CYPRESS	BENOIST	23-18-1W	86	1922	4.5	257	86
		BENOIST							
4002 MARK MAZZARINO	ARNING=KASTEN=REICHMN	CYPRESS	BENOIST	9-18-1W	190*	3245*	7.5	271	190*
4018 FRED SEIP	TIEMAN & BUHL	BENOIST		23-18-1W	485*	9340*	43.3	592	485*
4004 GEORGE THOMPSON	C, KOELLING	BENOIST		15-18-1W	200*	3268*	14.3	338	200*
IRVINGTON E, JEFFERSON									
2036 N. A. BALDRIDGE	WACKER=MILLER	CYPRESS	BENOIST	30-18-1E	50*	1350*	8.6	156*	50*
		BENOIST							
2037 MARK MAZZARINO	HAYES=PITCHFORD=BREBE	BENOIST		30,31-18-1E	50*	940*	5.0	171*	50*
2035 E. M. SELF	KOELLING=WACKER	BENOIST		31-18-1E	40*	1680*	3.2	281*	40*
IUKA, MARION									
2613 TEXACO, INC.	IUKA	MCCLOSKEY		10,15-2N-4E	27*	90*	4.9	118	25
JOHNSON N, CLARK									
* 204 F. A. BRIDGE OIL	BLOCK 'A'	CASEY		2-9N-14W		5731*		247*	2713*
* 205 F. A. BRIDGE OIL	BLOCK 'B'	CASEY		35,36-10N-14W		1118*		59*	338
207 NATIONWIDE ENERGY	N JOHNSON	CLAYPOOL		10,11,15-9N-14W	300*	21374*	15.7	1156	300*
		CASEY	PARTLOW						
* 211 E. A. OLDFIELD	V. JONES	CASEY		1,3-9N-14W		75		1	2
203 TALBOTT & SONS	N JOHNSON WF	CASEY		2-9N-14W	146*	5210*	3.0	947	1*
* 208 TIDEWATER OIL CO	CLARK COUNTY 1	CASEY		2-9N-14W		2418		160	1572
JOHNSON S, CLARK									
* 212 ACME CASING	M E LARRISON	U PARTLOW		22,27-9N-14W		4424*		163*	3585*
* 213 ACME CASING	WEAVER=BENNETT	U PARTLOW		27-9N-14W		11359*		528*	9879*
209 TALBOTT & SONS	SOUTH JOHNSON (F-12)	U PARTLOW		27,34,35-9N-14W	730	73884*	7.3	1737*	
* 210 FRANCIS ZAKOWSKI	JOHNSON EXT 1, 2	CLAYPOOL		22,23,26,27-9N-14W		26084*		880*	19762*
		CASEY	PARTLOW						
JOHNSONVILLE C, WAYNE									
4195 N. A. BALDRIDGE	TALBERT UNIT	AUX VASES		32-1N-6E	4*	1522*	0.4	108	4*
4182 BUFAY OIL CO	PEARL DICKEY	AUX VASES		20-18-6E	2	15	1.9	12	2*
4167 FARRAR OIL CO.	E, JOHNSONVILLE UNIT	AUX VASES		25,36-1N-6E, 1-18-6E	150*	11831*	8.0	1168	150*
		MCCLOSKEY							
4163 CHRIS PEARSON	LANE=WEAVER	OHARA		9-18-6E	70*	2649*	3.2	258	70*
4049 TEXACO, INC.	TALBERT	AUX VASES		17-18-6E		700		125**	700*
4072 TEXACO, INC.	JOHNSONVILLE SU	AUX VASES		9-18-6E	253	9219	4.1	440	251
		MCCLOSKEY							
4089 TEXACO, INC.	SIMS UNIT	AUX VASES		21,22,27,28,32,33,34-18-6E	988*	18615*	31.2*	2824*	1227*
		MCCLOSKEY				365*		16123*	22803*
4121 TEXACO, INC.	JOHNSONVILLE U	AUX VASES		21,26,27,28,33,34,35-1N-6E; 3,4-18-6E	4281	71996	115.8	4845	4269
*4122 TEXACO, INC.	JOHNSONVILLE U.	MCCLOSKEY		3,4-18-6E, 21,26,27,28,33,34,35-1N-6E		58250		4289	34484
4134 UNION OIL CALIF.	CRISP UNIT	AUX VASES		7,8,17,18-18-6E		8732		1192	4466
JOHNSONVILLE S, WAYNE									
*4172 ASHLAND O AND R	W GEFF UNIT	AUX VASES		11,14-18-6E		3295		225	1161
JOHNSONVILLE W, WAYNE									
*4061 EGO OIL CO	ORCHARDVILLE	AUX VASES		26-1N-5E		513		24	225
4071 EGO OIL CO	JOHNSONVILLE W WF	AUX VASES		23,24-1N-5E	175	3172*	1.6	337	65
*4169 FARRAR OIL CO.	W JOHNSONVILLE UNIT	MCCLOSKEY		2-18-5E, 33,36-1N-5E		2245		183	620
*4161 KIRBY PETROLEUM	W JOHNSONVILLE	AUX VASES		14,23-1N-5E		1958		347	1000

in Illinois, 1981—continued

***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER *****														
***** FIELD, COUNTY *****														
***** NO. OF ***** SOURCE TYPE *****														
***** PERM OIL DATE DATE WELLS ACRES SD=SAND (F)=FRESH *****														
***** PROD. DEPTH NET POR (MD) GRAV FIRST ASD, UNDER GR=GRAVEL (B)=BRINE *****														
***** NO. (FT) PAY (%) (API) INJ. INJ. PROD. INJ. PROD PRODUCED (M) MIXED *****														
***** (PT) (PT) ***** SH=SHALLOW *****														
***** REMARKS *****														
INMAN W C, GALLATIN														
CONTINUED														
*1458	2500	18.0							1	10				
*1423	2336	12.0				01-62	1-75	1	2	30	TAR SPRINGS (B)	*ESTIMATED		
	2510	15.0						1	2	30				
IOLA C, CLAY, EFFINGHAM														
378	2350	12.0				06-65		1	5	60	PRODUCED (B)	*ESTIMATED	JWF EFFECT SINCE 1962	
1112	2290	40.4	17.3	50	37.5	02-68		5	6	102	PENN SD (B)	*ESTIMATED	ADJ. BY OPERATOR	
	2350	19.6	16.5	15										
	2440	6.0	16.0											
* 357	2800	10.0			35.4	01-58	07-66	1	3	60	PRODUCED (B)			
1113	2300	12.0				12-67		1	4	70	PRODUCED (B)	*ESTIMATED		
	2350	15.0						2	5	70				
1110	2280	25.0				10-67		11	14	560	PENN SD (B)			
	2350	16.0												
	2424	5.0												
1111	2280	25.0				12-67		7	10	268	PENN SD, PROD (B)			
	2350	16.0												
	2424	5.0												
1119	2360					10-69		1	5	80	PRODUCED (B)	*ESTIMATED		
	2430							1	6	80				
303	1874	8.0			32.2	01-55		7	9	20	PENN SD, PROD (B)			
	2129	10.5	20.0	100						40				
	2250	17.3	16.0	40						120				
	2280	20.0	16.0	40						260				
	2330	20.0	14.7	80						15	18	280		
* 322	2290	9.5	15.7	80	36.0	06-58	01-68	1	2	110	PRODUCED (B)	*INCL WITH 323		
* 323	2350	13.3	15.7	80	36.0	06-58	01-68	1	1	190	PRODUCED (B)	*INCL 322		
358	2340	8.5	15.1	65	36.0	09-62		1	3	210	PENN SD, PROD (B)	*INCL PRIM PROD SINCE 1962		
376	2350	20.0				04-71		4	5	127	PENN SD, PROD (B)			
	2420	8.0												
IRVINGTON, WASHINGTON														
4020	1420	16.0				02-56		1	7	80	PRODUCED (B)	*ESTIMATED		
	1520	10.0						1	6	80				
4026	1385	18.0				7-58		1	14	40	PRODUCED (B)	*EST. +INCL PRIM SINCE 1958		
	1550	12.0						1	7	80				
4019	1530	10.0				01-56		1	14	160	PRODUCED (B)	*ESTIMATED		
4009	1425	15.0	20.0	300	37.4	09-64		3	4	30	PRODUCED (B)			
	1540	12.0	18.0	65										
4002	1400	20.0			35.0	11-57		4	15	150	PRODUCED (B)	*ESTIMATED		
4018	1530	10.0				01-56		2	12	140	PRODUCED (B)	*ESTIMATED		
4004	1531	10.8	19.0	278	37.2	02-59		2	9	200	PRODUCED (B)	*ESTIMATED		
IRVINGTON E, JEFFERSON														
2036	1760	13.0				8-65		1	6	70	PRODUCED (B)	*EST. +INCL PRIM SINCE 1966		
	1952	10.0						1	1	20				
2037	1970	7.0				6-60		1	7	80	PRODUCED (B)	*EST. +INCL PRIM SINCE 1960		
2035						6-58		1	7	80	PRODUCED (B)	*EST. +INCL PRIM SINCE 1958		
IUKA, MARION														
2613	2750	10.0			39.0	08-60		1	3	270	CYPRESS, PROD. (B)	*DATA AVAILABLE SINCE 1979		
JOHNSON N, CLARK														
* 204	450	20.0	20.8	399	33.9	04-49	01-63	27	13	125	SH SD, PROD (M)	*NO DATA 1956-1963		
* 205	480	2.0	18.3	66	33.0	05-51	12-63	18	12	80	SH SD, PROD (M)	*NO DATA FROM 5-57 TO ASD		
207	460	19.0	19.0	330		03-55		31	71	223	GRAV, PROD (M) 71	*ESTIMATED		
	530	14.0												
	595	24.0												
* 211	440	19.0	19.8	252	35.4	09-51	02-54	3	2	15	SH SAND (F)			
203	475	20.0	20.0	231	32.2	11-53		3	8	40	GRAV, PROD (M)			
* 208	425	26.1	20.6	415	33.9	02-50	12-59	19	20	81	SH SD, PROD (M)			
JOHNSON S, CLARK														
* 212	507	33.0	18.0	277		03-55	12-70	2	2	80	GRAV, PROD (M)	*NO DATA 1966-70		
* 213	467	35.0	19.0	285		03-55	12-70	6	7	280	GRAV, PROD (M)	*NO DATA 1966-70		
209	490	48.0	16.6	319	30.5	03-49		10	21	400	GRAV, PROD (M)	EST. 1970-1980		
* 210	420	15.0	21.0	294		03-55	1-78	30	33	479	GRAV, PROD (M)	*ESTIMATED		
	465	20.0												
	500	30.0												
JOHNSONVILLE C, WAYNE														
4195	3120	13.0	20.7	230	37.0	01-65		5	5	110	PENN SD, PROD (B)	*ESTIMATED SINCE 1973		
4182	3054	12.0			41.0	11-78		1	4	120	CYPRESS SD, PROD (B)	*ESTIMATED		
4167	3070	17.0	19.0	90	39.2	08-62		10	11	440	CYPRESS, PROD (B)	*ESTIMATED SINCE 1977		
	3200	10.0	14.0	100				9	9	380				
4163	3124	6.0	14.2	2454	38.6	06-62		1	5	120	PRODUCED (B)	*ESTIMATED SINCE 1974		
*4049	3035	12.0				5-54	12-68	1	2	40	PRODUCED (B)	*EST. +INCL PRIM, 54-68		
4072	3000	8.0	18.6	98	37.0	07-69		6	5	320	PRODUCED (B)			
	3100	6.0	12.0	777	37.0									
4089	3045	25.0	16.7	118	38.0	07-67		18	25	1960	PRODUCED (B)	*ESTIMATED FROM TOTAL INJECTION		
	3175	17.0	11.0	377	38.0							*INCL BOTH PAYS		
4121	3000	7.5	19.1	187	37.0	10-56		25	34	3230	PENN SD, PROD (B)			
*4122	3100	10.0	15.5		37.0	11-54	02-70	1	18	3230	CYPRESS, PROD (B)			
*4134	3019	17.0	19.0	80		11-57	05-68	10	8	360	PENN SD, PROD (B)	*INCL PRIM PROD SINCE 2-58		
JOHNSONVILLE S, WAYNE														
*4172	3090	11.0	20.3	82	39.0	05-63	08-70	11	12	480	PENN SD (B)			
JOHNSONVILLE W, WAYNE														
*4061	2890	10.0	19.4	175		09-73	12-79	2	3	40	PENN SAND, PROD (B)			
4071	2916	7.0			38.0	08-71		3	9	160	PENN SAND (B)	*EST. 1981		
*4169	3072	11.0	13.5	200	37.0	10-63	01-72	2	4	190	PENN SD, PROD (B)			
*4181	2900	12.0	19.0	92	39.0	05-62	06-69	5	5	170	PENN SD, PROD (B)			

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBL)					
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION				
PROJECT NO., OPERATOR	U = UNIT	S = T = R		TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	1981 * 12/81	1981 * 12/81	1981 * 12/81	
* * * A.B.D.										
* * * P.M.										
JOHNSTON CITY E, WILLIAMSON	4501 B & J RESOURCES INC.	JOHNSTON CITY E U	CYPRESS	15,16-88=3E	50*	2680*	2.0	420		
4503 C. E. BREHM	HUCK UNIT		AUX VASES	8-88=3E	188	1268	10.6	338	125	275*
JOHNSTON CITY N E	4505 BUPAY OIL CO	MADISON COAL LEASE	AUX VASES	3,4-88=3E	3	50	2.5	160	3*	46*
JUNCTION, GALLATIN	*1412 ESTELLE PRICE	JUNCTION UNIT	WALTERSBURG	16,17,20,21-98=9E		2357*		303*		
JUNCTION E, GALLATIN	1441 E.E. MORRIS	CRANE U	WALTERSBURG	36-88=9E,1-98=9E	70*	1155*	2.6	75	70*	961*
JUNCTION N, GALLATIN	*1445 T. L. CLARK	HIGH LSE	PENNSYLVNIN	33-88=9E		484*		29		57*
KEENSBURG S, WABASH	3867 ALVA C. DAVIS	GARST-EPLER	CYPRESS	34,35-28=13W	75*	2173*	4.3	227	75*	1109*
3991 MERNAN LOEB	*3915 VICKERY ORLG.	FEARHEILEY-THOM-UTLEY	PENNSYLVNIN	10-38=13W	250*	5153*	10.4	363	250*	3587*
		A P GARST	CYPRESS	27-28=13W		297		27		60*
KEENVILLE, WAYNE	*4125 N. A. BALDRIDGE	KEENVILLE UNIT	MCCLOSKEY	27,28,33,34-18=5E		2137		232		1570
*4126 WALTER DUNCAN		KEENVILLE U		28,29-18=5E		1971		343		660
KENNER, CLAY	* 305 TEXACO, INC.	KENNER U	BENOIST	25,36=3N=5E,		4349		374		1722
* 353 TROOP DRILLING	CHASTEEN		AUX VASES	30,31=3N=6E		9363		117		1270
			BENOIST	36=3N=5E		45		8		45
			RENAULT	AUX VASES						
KENNER N, CLAY	* 324 IND. FARM BUR.	THEOBALD	BENOIST	17=3N=6E		21		53		47*
KENNER W, CLAY	* 306 PHILLIPS PET. CO	W KENNER U	CYPRESS	23=3N=5E		16531		535		4799
			BENOIST	AUX VASES						
KINCAID C, CHRISTIAN	106 JOE SIMPKINS OIL	KINCAID U	HIBBARD	2-4,9=11,14=16,22=13N=3W,34,35=14N=3W	2807	17742*	104.1	645*	2500	11614*
KING, JEFFERSON	*2016 N. A. BALDRIDGE	EBEN-GOFF	AUX VASES	22=38=3E		81*		1		81
2017 T. L. CLARK	2025 SHAKESPEARE OIL	RANDOLPH	AUX VASES	27,34=38=3E	20*	1397**	1.0*	201*	20*	1401**
2013 TEXACO, INC.		MADE UNIT	AUX VASES	33,34=38=3E	15	333	2.0	146	15	333
		BAKER=BUMPUS-SMITH	AUX VASES	33,34=38=3E		1911		62		419
LANCASTER, LAWRENCE, WABASH	3861 NICK BABARE	SHARP WOOD	BETHEL	4-1N=13W	5*	826*	0.2	145	5*	252*
3954 HAYES-WOLFE BROS	2255 STONE OIL CO	LANCASTER UNIT	BETHEL	4,9=1N=13W,33=2N=13W		5472*	1.6	1247		1431*
		HELENA	SPAR MTN	16,21=2N=13W	65	1971*	3.6	549	65	1114*
LANCASTER E, LAWRENCE, WABASH	*3984 COY OIL CO	FRIENDSVILLE U	RIEHL	25,36=2N=13W		232*		17*		51*
LANCASTER S, WABASH	*3846 HOCKING OIL	FRIENDSVILLE W UNIT	BETHEL	21,28=1N=13W		545		129		545
3916 MERNAN LOEB		LANCASTER SOUTH	BETHEL	21=1N=13W	10*	710*	0.5	123	10*	353*
LAWRENCE, LAWRENCE, CRAWFORD	2257 ACME CASING	LEWIS	CYPRESS	24=3N=12W	175*	2025*	7.5*	173	175*	1965*
2215 ASHLAND O AND R	2242 BALDWIN, BALDWIN	BOLLES-WRIGHT UNIT	BETHEL	7,8,17=4N=12W		1589	2.8	73		325
2291 BALDWIN, BALDWIN		O'DONNELL	CYPRESS	17=3N=12W	183	4988*	8.0	469	128	9344*
		CUMMINS	BRIDGEPORT	6=3N=12W	146	6872*	6.4	436	82	12103*
2269 FRANCIS BEARD	JENNER		CYPRESS	36=3N=12W	200*	6874*	9.1	352	200*	3854*
*2200 CALVAN AMERICAN	PIPER		BETHEL							
*2229 CALVAN AMERICAN	WALLER		CYPRESS	2,11=4N=13W		146		6		
2236 CHARLES E. CARR	L GILLESPIE		CYPRESS	5,6=2N=11W		828		12		144*
			BRIDGEPORT	26,35=3N=12W	20*	9707*	1.0	664	90*	8384*
			CYPRESS		50*	10085*				
			BETHEL		20*	1973*				
2241 CHARLES E. CARR	FYPFE		CYPRESS	6=3N=12W,1=3N=13W	20*	6429*	0.7	467	20*	2446*
2244 CHARLES E. CARR	BRIDGEPORT UNIT		CYPRESS	6=3N=12W	40*	7042*	1.3	1164	40*	5182*
2245 CHARLES E. CARR	S GILLESPIE		CYPRESS	26=3N=12W	60*	3084*	1.6	226	60*	1641*
			BETHEL							
2252 CHARLES E. CARR	BOWER-ROBS		CYPRESS	29=4N=12W	200*	4183*	8.3	297	200*	3642*
2253 CHARLES E. CARR	FYPFE *39*		CYPRESS	31=4N=12W	50*	2894*	1.8	429	50*	2515*
2258 CHARLES E. CARR	COOPER-OAVIS		CYPRESS	6,7=3N=12W	20*	2193*	0.5	167	20*	2278*
2270 CHARLES E. CARR	GRAY FEE W F		CYPRESS	1=2N=12W		1594		93*		518*
			BETHEL							
2276 CHARLES E. CARR	WITHERS-PELHAM-STATE		CYPRESS	36=3N=12W	10*	2879*	0.3*	283*	10*	1811*
			BETHEL							
2262 NOLAN E. DUNCAN	FYPFE U		CYPRESS	36=4N=13W	42	1638*	1.4	95	42	602*
*2205 WALTER DUNCAN	L.C. DAVID		SAMPLE	8=3N=11W		56				8
2206 T. W. GEORGE EST.	KLONDIKE WF		BETHEL	25,26,35,36=5N=13W		9990		1098		3338
2261 FRANCIS GILLESPIE	BUCHANAN,BREEN,RIDGLY		BRIDGEPORT	10,11=2N=12W	40*	800*	5.4	127	40*	600*
			RIEHL							
*2280 GULF OIL CO	H E GRIGGS		CYPRESS	18=3N=12W		245		6		2
			BENOIST							
2240 MICHAEL HIDDLESTON	VANDERMARK-ALBRECHT		BRIDGEPORT	34=3N=12W	200*	4882*	4.0	493	200*	3217*
			CYPRESS							
*2224 ILLINOIS OIL CO.	FINLEY U		CYPRESS	25=3N=12W		748		38		652
			BETHEL							

in Illinois, 1981—continued

RESERVOIR STATISTICS (AV. VALUE) DEVELOPMENT AS OF 12-31-81 INJECTION WATER													
FIELD, COUNTY	PERM	OIL	DATE	DATE	NO. OF	ACRES	SD	SOURCE	TYPE	REMARKS			
PROJ. NO.	DEPTH (FT)	NET PAY (PT)	FOR (%)	(MO) GRAV (API)	FIRST INJ.	ABD. INJ.	UNDER INJ.	BR GRAVEL	(B) BRINE	PROD PRODUCED (M) MIXED	SHALLOW		
JOHNSTON CITY E, WILLIAMSON													
4901	2300	20.0	14.8	60	02-67	4	5	90	CYPRESS SD (B)	*ESTIMATED SINCE 1977			
	2580	6.0	12.2	14		2	5	70					
4903	2580	19.0	16.0		39.0	8-75	2	4	100	PENN SD (B)	*FROM 1980 ONLY		
JOHNSTON CITY N E													
4505	2224	22.0			40.0	2-71	1	4	50	PRODUCED (B)	*ESTIMATED		
JUNCTION, GALLATIN													
*1412	1720	14.0	16.0	22	36.0	05-51	04-71	5	6	110	SH SD (F)	*EST 1965-66; NO DATA 1967-71	
JUNCTION E, GALLATIN													
1441	2000	15.0	17.0	50		03-68		4	5	100	PENN SD, PROD (M)	*ESTIMATED SINCE 1971	
JUNCTION N, GALLATIN													
*1445	1560	7.0				09-70	10-78	1	3	40	SHALLOW SD (F)		
KEENSBURG S, WABASH													
3867	2398	12.0			37.8	10-64		3	4	90	SH SD, PROD (M)	*EST. SINCE 79	
3991	1181	15.0	15.0	42	32.3	12-62		5	9	130	SH SD, PROD (M)	*ESTIMATED SINCE 1971	
*3915	2403	15.0	20.6	134	37.5	11-54	12-59	1	1	60	SH GRAV (F)	*ESTIMATED	
KEENVILLE, WAYNE													
*4125	3100	9.0			40.0	11-56	03-66	3	12	220	SH SD, PROD (M)		
*4126	2950	13.0	20.0	155	39.0	04-54	11-61	3	9	120	SH SD (F)		
KENNER, CLAY													
* 305	2700	14.0	15.6	54	36.0	06-59	12-74	23	24	480	PENN SD, PROD (B)		
	2800	21.0	17.0		36.0	06-59	10-67	1	8	270			
* 353	2719	29.0			35.8	08-63	07-68	1	1	20	PRODUCED (B)		
	2774	18.0						1	1	20			
	2831	13.0						1	1	20			
KENNER N, CLAY													
* 324	2750	10.0	17.0	40	36.0	10-58	12-63	1	3	30	PRODUCED (B)	*ESTIMATED	
KENNER W, CLAY													
* 306	2400	13.0			37.5	02-52	06-68	11	15	280	PRODUCED (B)		
	2720	14.0						6	11	200			
	2800	16.0						1	5	70			
KINCAID C, CHRISTIAN													
106	1860	10.0				10-74		42	69	2200	PRODUCED (B)	*INCLUDES PRIMARY PROD+ADJUSTED	
KING, JEFFERSON													
*2016	2700	7.0				01-63	11-68	1	3	40	PRODUCED (B)	*WATER INJ INEFFECTIVE	
2017	2700	20.0				06-64		3	5	80	CYPRESS, PROD (B)	*EST SINCE 1967; INACTIVE 1974	
2025	2708	10.0	12.0	16		11-64		3	2	10	PRODUCED (B)	*INCL PRIM PROD	
*2013	2735	11.0			37.0	05-61	02-70	3	2	160	PRODUCED (B)		
LANCASTER, LAWRENCE, WABASH													
3881	2540	21.0	17.0	65	37.5	07-64		2	3	40	PRODUCED (B)	*ESTIMATED SINCE 1971	
3954	2500	16.0			34.0	12-58		21	34	500	SURF PONDS, PROD (M)	*INJ, DISC, 1977	
2855	2720	7.0				07-71		5	8	300	PENN SD (B)	*EST	
LANCASTER E, LAWRENCE, WABASH													
*3984	1740	9.0			30.6	01-71	01-75	1	2	30	SHALLOW SAND, PROD. (M)	*ESTIMATED	
LANCASTER S, WABASH													
*3846	2495	13.0				11-73	12-79	1	6	70	PRODUCED (B)		
3916	2520	10.0			36.0	01-55		2	6	80	PRODUCED (B)	*ESTIMATED	
LAWRENCE, LAWRENCE, CRAWFORD													
2257	1580	20.0				06-67		9	7	160	PENN SD (B)	*ESTIMATED	
2215	1680	10.0	15.0	20	38.0	07-66		7	120	PURCHASED (F)	*INJECTION DISCONTINUED 12-78		
2242	1500	28.0	16.7	15	38.0	04-59		5	15	160	BUCHANAN, PROD (B)	*EST. 1976-79	
2291	980	30.0				01-58		4	11	80	PRODUCED (B)	*EST. 1976-79	
	1440	30.0								80			
2269	1540	25.0	15.0	30		11-62		11	10	100	GRAV, PROD (M)	*ESTIMATED	
	1620	25.0	15.0	30				11	10	100			
*2200	1520	25.0	20.8	33	38.6	12-53	06-56	4	2	60	SH SD (F)		
*2229	1535	50.0	18.5	70	39.5	03-53	11-55	8	8	160	SH GRAVEL (F)	*ESTIMATED	
2236	990	30.0	19.3	200	37.0	11-58		16	10	100	GRAV BED, PROD (M)	*ESTIMATED	
	1550	28.0	17.0	35				17	10	100			
	1660	10.0	16.5	25				17	10	100			
2241	1580	35.0	18.0	100	35.0	07-59		10	4	45	BUCHANAN SD, PROD (B)	*ESTIMATED	
2244	1575	25.0	18.0	80	38.0	06-59		9	10	150	PENN SD, PROD (B)	*ESTIMATED	
2245	1550	28.0	17.0	35	39.0	10-60		8	6	50	RIVER, PROD (M)	*ESTIMATED	
	1660	10.0	16.5	25	39.0			8	6	50			
2252	1320	20.0	19.0	120		08-58		4	6	60	PENN SD, PROD (B)	*ESTIMATED SINCE 1971	
2253	1420	20.0	20.0	80		12-56		3	4	40	PENN SD, PROD (B)	*ESTIMATED	
2258	1620	15.0				06-63		3	5	90	PENN SD, PROD (M)	*ESTIMATED	
*2270	1545	25.0			37.0	07-61	07-74	3	5	60	SH SD, PROD (M)	*ESTIMATED	
	1670	10.0						3	5	60			
2276	1564	20.0	16.9	41	38.5	02-63		8	8	80	SH SD, PROD (M)	*ESTIMATED SINCE 1970	
	1690	12.0	15.0	17				8	8	80			
2262	1650	25.0	18.0	130		12-60		1	2	60	PENN SD, PROD (B)	*ESTIMATED	
*2205	1600	6.0				08-56	09-56	1	1	20	RIVER GRAVEL (F)		
*2206	1625	18.0	17.2	80	37.8	06-52	12-60	44	36	750	SH SD, PROD (M)	*ESTIMATED	
2261	980	14.0				6-63		5+	10+	150+	PENN. & PROD (M)	*ESTIMATED; +INCL BOTH PAYS	
	1220	12.0				4-75							
*2260	1586	16.0	16.7	21	38.0	04-63	12-67	1	1	10	PRODUCED (B)		
	1746	12.0	16.0	27				1	1	10			
2240	988	24.0	21.0	398	29.5	08-58		3	7	70	LAKE, PROD (M)	*ESTIMATED	
	1648	15.0			39.8			1	3	40			
*2224	1600	12.0	17.0	50	36.0	01-67	01-72	3	8	80	SH WELL (F)		
	1700	8.0	15.0	35				1	3	40			

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBLs)			
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	
PROJECT NO., OPERATOR	U = UNIT		S = Y = R	TOTAL CUM.	TOTAL CUM.	TOTAL CUM.	
ABD				1981 * 12/31	1981 * 12/31	1981 * 12/31	
P.M.							

LAWRENCE, LAWRENCE, CRAWFORD CONTINUED							
2225 ILLINOIS OIL CO.	GEE-IRWIN U	CYPRESS	36-3N=12W	45*	769*	1.8	53
		BETHEL					45*
		MCCLOSKEY					721*
2226 ILLINOIS OIL CO.	DINING HEIRS	CYPRESS	36-3N=12W	60*	1322*	3.4	122
		BETHEL					60*
		CYPRESS					1415*
2210 K W B OIL PROP.	MGMTNEAL	BRIDGEPORT	29-4N=12W	340	10065	8.5	922
		JACKSON					310
		CYPRESS					7079
2219 K W B OIL PROP.	MGMTROGERS	BETHEL					
		CYPRESS	14-3N=12W	71	2205	2.3	248
		BETHEL					75
		CYPRESS					2000
2254 K W B OIL PROP.	MGMTALRYMPLE	JACKSON	29-4N=12W	116	5798	3.4	533
		CYPRESS					115
		BETHEL					4168
2285 K W B OIL PROP.	MGMTINKLE	BENOIST					
		BRIDGEPORT	26-3N=12W	130	4157	4.8	515
		CYPRESS					148
		BETHEL					4384
2211 LAWRENCE OIL CO.	STOLTZ	BRIDGEPORT	32-4N=12W	70*	15169*	2.7	1087
		CYPRESS					70*
		CYPRESS					8781*
2281 JENNY LEE OIL CO	CALVERT=MUSGRAVE	BRIDGEPORT	3-3N=12W	*	7*	*	*
2273 HERMAN LOEB	LOEB AND MCPHERSON	CYPRESS	14,15,22-3N=12W	75*	3730*	3.4*	366*
		BETHEL					75*
		CYPRESS					2324*
2275 HERMAN LOEB	BURNS,GRIGGS,ZELLARS	BRIDGEPORT	8-3N=12W	300*	11442*	10.2	653
		CYPRESS					300*
		CYPRESS					6538*
2227 D. LOEFFLER ESTATE.	MCCROSKEY HKS	CYPRESS	25-3N=12W	80*	1288*	3.1*	107*
		BETHEL					80*
		CYPRESS					1288*
2277 D. LOEFFLER ESTATE.	BUNKER HILL U	BRIDGEPORT	12-2N=12W	75*	3931*	2.1*	187*
		BETHEL					75*
		CYPRESS					1982*
2208 MARATHON OIL CO.	CRUMP #40*	CYPRESS	19-4N=12W	*	2262	*	283
2209 MARATHON OIL CO.	CRUMP UNIT	CYPRESS	31-4N=12W	*	2367	*	173
2213 MARATHON OIL CO.	17 PROJECTS*	JACKSON	73,4N=R12,13W	14631	450894	541.1	52727
		CYPRESS					19244
		BETHEL					351490
		BENOIST					
2214 MARATHON OIL CO.	9 PROJECTS*	BRIDGEPORT	T 3,4N R 12,13W	17092	278438	666.9	23000
		CYPRESS					19541
		CYPRESS					240790
2216 MARATHON OIL CO.	4 PROJECTS *	MCCLOSKEY	T 3,4N R 12,13W	548	68934	91.7	5190
		CYPRESS					1859
		CYPRESS					49599
2234 MARATHON OIL CO.	ST LOUIS WF 11=M	ST LOUIS	30-4N=12W	12	544	0.8	6
2247 MARATHON OIL CO.	HARDINSBURG WF 37=M	HARDINSBURG	27,34-3N=12W	206	3857	11.5	642
2279 MARATHON OIL CO.	RIDGLEY #1=P	RIDGLEY	26,34,35-3N=12W	373	9547	27.7	1341
2294 MFCO, INC.	GEE HRS	CYPRESS	19-3N=11W/24-3N=12W	87	308	4.1	23
*2204 W. C. MCBRIDE	APPLEGATE	JACKSON	7-4N=12W, 12-4N=13W		4468		228
		CYPRESS					228
		MCCLOSKEY					
*2244 W. C. MCBRIDE	HINKLE	MCCLOSKEY	26-3N=12W		175		24
*2251 W. C. MCBRIDE	COMBS	CYPRESS	20-4N=12W		779		65
		BETHEL					
2203 MISTY OIL CO	BRIDGEPORT 8 U	BETHEL	19-3N=12W	50*	2081*	0.1*	179*
2207 NATIONWIDE ENERGY	GHAY AREA	JACKSON	13,14-4N=13W	30*	8252*	2.8	752
		BETHEL					50*
		BENOIST					981*
2266 NATIONWIDE ENERGY	KIRKWOOD=MCPHERSON	CYPRESS	11,12,13,14-3N=12W	140*	3830*	10.4*	301*
2243 OILFIELD DRUG.	BELL UNIT	CYPRESS	1-3N=13W		2429		172*
2271 DAVID PHILLIPS	BRUNSON=PAYNE=FAITH	CYPRESS	18,19-3N=11W	100*	815*	6.3*	53*
2274 BERNARD PODOLSKY	GILLESPIE AND CALVERT	CYPRESS	15,22-3N=12W	*	1227*	0.7	187
2237 A. BRANDT POWELL	STOLTZ HEIRS	JACKSON	25-4N=13W	82*	2061*	7.3 *	366
		CYPRESS					82*
		BETHEL					1049*
*2230 REE, INC.	SNYDER	CYPRESS	30-3N=11W		16		1
2222 HUBERT ROSE	LEIGHTY	CYPRESS	32-3N=11W		117		2*
*2217 SHAKESPEARE OIL	S B*PORT U C MILLER C	BETHEL	20,29,30-3N=12W		4902		536
2288 JOE SIMPKINS OIL	COLLINS SCHL	CYPRESS	6-2N=11W/31-3N=11W/	50*	1900*	2.9*	129*
		SAMPLE	1-2N=12W				
2202 WAYNE SMITH, OP.	C M PERKINS	BRIDGEPORT	32-4N=12W	100	17930*	3.0	903
		CYPRESS					95
		CYPRESS					6614*
2220 WAYNE SMITH, OP.	BUCHANAN	CYPRESS	7-3N=12W	100	4081*	1.7	476
		BETHEL					100
		BENOIST					1477*
2221 WAYNE SMITH, OP.	OSCAR LEIGHTY	CYPRESS	31-3N=11W	*	2020*	1.3	78
2233 WAYNE SMITH, OP.	PEPPLE	CYPRESS	30-4N=12W	*	9826*	2.2	999
		BETHEL					*
		CYPRESS					2108*
2238 WAYNE SMITH, OP.	L M SEED	CYPRESS	21-3N=12W	*	3391*	*	15*
2256 WAYNE SMITH, OP.	BREEN	CYPRESS	24,25-4N=13W	*	2606*	*	178
		BETHEL					*
		CYPRESS					2359*
2259 WAYNE SMITH, OP.	WHITTAKER AREA	BETHEL	2,10,11-3N=12W	100	12048*	5.2	1503
		CYPRESS					80
		CYPRESS					6022*
2260 WAYNE SMITH, OP.	E J SEED	JACKSON	15,16,22-3N=12W	85	2330*	5.5	213
		CYPRESS					17
		CYPRESS					1228*
2265 WAYNE SMITH, OP.	PIPER-DROLL AREA	JACKSON	1,2,11,12-4N=13W	340	15778*	8.6	1831
		CYPRESS	35,36-5N=13W				340
		BETHEL					8646*
		BENOIST					
2272 WAYNE SMITH, OP.	MAYNARD AREA	CYPRESS	25,26-3N=12W	37	3081*	4.7	699
		BETHEL					30
		CYPRESS					2325*
*2286 WAYNE SMITH, OP.	BUCHANAN AREA	BRIDGEPORT	2-2N=12W		190		1
*2289 WAYNE SMITH, OP.	W.F. GOULD UNIT	CYPRESS	31-3N=12W		1930		5
*2283 TEXACO, INC.	LAWRENCEVILLE PEE	CYPRESS	7,18-3N=11W		524		13
2239 ZANETIS OIL PROP	WAYNE HEIRS	AUX VASES	28-3N=11W	8	388	1.9	52
		MCCLOSKEY					8*
		CYPRESS					388*
*2264 ZANETIS OIL PROP	CASSIL	CYPRESS	36-4N=13W		62		57
2282 ZANETIS OIL PROP	CARLSON	BUCHANAN	15-3N=12W	329	4624	8.2	388
		CYPRESS					329*
		BETHEL					4824*
		MCCLOSKEY					
2283 ZANETIS OIL PROP	HUDSON WF	CYPRESS	18-3N=11W		718		47*
		CYPRESS					718*

in Illinois, 1981—continued

***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER * *****														
***** FIELD, COUNTY * NO. OF * SOURCE * TYPE * *****														
NO.	DEPTH (FT)	NET PAY (FT)	POR (%)	(MD) (API)	GRAV INJ.	FIRST INJ.	ABD.	NO. OF WELLS	ACRES UNDER	SO=SAND	GR=GRAVEL	PROD=PRODUCED	(M)=MIXED	REMARKS

LAWRENCE, LAWRENCE, CRANFORD														
CONTINUED														
2225	1530	20.0	18.0	100	36.0	02=67		1	1	20		PRODUCED (B)		*ESTIMATED SINCE 1972
	1630	15.0	16.0	50				1	1	20				
	1780	10.0	15.0					1	1	20				
2226	1530	12.0	18.0	100		12=65		1	2	20		PRODUCED (B)		*ESTIMATED SINCE 1972
	1650	10.0	16.0	70				1	2	20				
2210	970	15.0	20.0	200		05=56		9	9	80		PENN SD, PROD(B)		
	1330	6.0	18.0	40										
	1390	23.0	19.0	20										
	1470	18.0	17.0	20										
2219	1530	12.0	16.0	30		08=66		5	9	80		PENN SD, PROD (B)		
	1620	10.0	15.0	20										
2254	1450	6.0	19.0	80		03=68		3	5	65		PENN SD, PROD(B)		MOST OF THE WATERFLOOD EFFECT HAS BEEN IN JACKSON AND CYPRESS
	1500	20.0	19.0	80		09=59								
	1575	10.0	16.0	35		09=59								
	1650	13.0	15.0	25		09=59								
2285	1000	10.0	18.0	100		11=63		6	9	80		PENN SD, PROD (B)		
	1550	17.0	18.0	50										
	1660	12.0	15.0	20										
2211	860	25.0	22.3	15	37.0	01=55		10	8	25		GRAV, PROD (M)		*ESTIMATED SINCE 1968
	1400	18.5	17.3	18	37.0			4	8	25				
2281	1019	15.0				06=62		1	2	30		SH SD, GRAVEL (F)		*NO DATA SINCE 1965
2273	1535	15.0	18.5	40	30.0	12=62		7	8	180		BUCHANAN, PROD (B)		*ESTIMATED SINCE 1972
	1650	10.0	18.0	15				6	5	120				
2275	850	20.0	21.0	131	30.9	11=56		4	6	50		BUCHANAN, PROD (B)		*ESTIMATED SINCE 1969
	1440	20.0						5	7	60				
2227	1600	15.0	18.0	75	36.0	01=66		1	2	10		PRODUCED (B)		*ESTIMATED SINCE 1972
	1725	10.0	15.0	50				1	2	10				
2277	975	10.0	19.0	350	35.0	02=64		1	2	40		SH SD (F)		*ESTIMATED SINCE 1972
	1775	8.0	14.0	25	38.0			4	7	100				
2208	1280	25.0	20.0	90		04=56		4	4	40		PENN SD, PROD (B)		*INCL WITH 2213 SINCE 1979
2209	1420	22.0	20.0	80		12=56		5	4	40		PENN SD, PROD (B)		*INCL WITH 2213 SINCE 1979
2213	1375					01=52		488	609	2136+		PROD, FRESH H2O (M)		*JUDY, WESTALL, KING, SUTTON, KIMMEL BOYD, MIDGUGH, NEWELL, MOORE, THORN GOULD, SEED, GRAY, HAN, LEIGHTY, JENNER, WISE-GRAY, INCL 2208, 2209
	1430	10.0								3600+				
	1530	10.0								2400+				
	1600	8.0								300+				
2214	800	30.0			35.6	08=48		471	511	2096		GRAV, PROD (M)		*ROBINS, JOHNSON, KLINGLER, COOPER, BALTZELL, LEWIS, CLARK, FINLEY, GEE
														*APPLGATE, WILLIAMS, GILLESPIE, VANDERMARK
2234	1950	30.0				12=75		1	1	40		PRODUCED(B)		
2247	1350	13.0				09=71		8	10	290		PROD & FRESH (M)		
2279	1230	16.0	17.0	400		08=64		16	33	584		GRAV, PROD (M)		
2294	1625	15.0				6=76		4	8	200		PRODUCED(B)		
*2204	1240	10.0	19.0	80	34.7	09=52	12=67	15	16	180		GRAV, PROD (M)		
	1350	15.0	17.0	30				8	8	60				
	1635	3.0	23.0	40				10	10	40				
*2249	1775	15.0	20.0	175		08=59	01=66	1	4	40		PENN SD, PROD (B)		
*2251	1450	20.0	18.0	50		03=59	02=71	1	1	60		PENN SD, PROD (B)		
	1630	10.0	12.0	10			07=66	2	2	20				
2203	2000	18.0	17.5	45	37.0	09=70		4	10	110		PENN SD (B)		*ESTIMATED
2207	1412	8.0	13.5	9		05=53		10	10	200		BRIDGEPORT, PROD (B)		*ESTIMATED
	1577	11.0	21.0	40				10	10	200				
	1622	16.0	18.5	46				8	7	150				
2266	1540	20.0				10=64		6	17	280		SH SD, PROD (M)		*ESTIMATED
*2243	1650	20.0	18.0	80	38.0	06=59	03=66	2	1	80		PENN SD, PROD (B)		*1966 DATA ESTIMATED
2271	1560	16.0				10=69		3	11	130		SH SD, PROD (M)		*ESTIMATED
2274	1590	14.0	18.5	40	30.0	11=62		4	7	100		BUCHANAN, PROD (B)		*INJ. CURTAILED MARCH 1974
2237	1460	6.0	20.0	85	38.0	07=58		4	8	60		PENN SD, PROD (B)		
	1550	14.0												
	1680	20.0												
*2230	1580	25.0	21.2	125	38.6	10=52	01=55	1	2	10		TAR SPR, PROD (B)		
*2222	1610	9.0			36.0	02=66	07=74	1	2	30		PENN SD, PROD (B)		*EST, 1968=1971; INJ, SUSP, 1972
*2217	1800	12.1	17.1	70	38.0	10=56	12=66	20	18	313		TAR SPRINGS (B)		
2288	1550	15.0				01=69		17	20	350		PENN SD, GRAV (M)		*ESTIMATED
	1620	10.0						19	25	450				
2202	900	14.0	18.0	125	36.0	02=55		8	9	100		BUCHANAN SD, PROD (B)		*EST, 1981
	1350	20.0	18.0	100										
2220	1570	28.0	17.9	64	37.0	12=65		4	4	110		GRAVEL BED (F)		*EST, 1981
	1670	9.0	15.9	37										
	1730	9.0	12.5	2										
2221	1650	15.0	18.5	50	39.0	01=66		*	7	60		RIVER GRAV, PROD (M)		*INJ, SUSP, 1=78
2233	1400	30.0	18.0	75	37.0	06=57		2	1	130		BUCHANAN SD, PROD (B)		*INJ. DISC, 1976
	1650	20.0	14.0	10	39.2					50				
2238	1630	22.0	74.0	18	33.0	03=67		3	1	20		SH SD (F)		*INACTIVE SINCE 74+INJ SUSP 79
2256	1530	20.0	16.0	47	37.0	05=60		2	1	70		BUCHANAN SD, PROD (B)		*INACT, SINCE 76+NO PROD, 1981
	1675	20.0	12.0	5	37.0									
2259	1520	20.0	18.0	35		11=60		11	18	650		RIVER, PROD. (M)		*EST, 1981
	1630	15.0												
2260	1500	5.0				02=61		4	6	40		SH SD (F)		*EST, 1981
	1590	16.0												
2265	1310	12.0	18.0	30	38.0	12=61		23	23	500		RIVER, PROD (M)		*EST, 1981
	1400	10.0	18.0	35	38.0									
	1525	6.0												
	1585	5.0												
2272	1575	25.0	16.0	20	39.5	12=63		6	16	120		BRIDGEPORT, PROD (B)		*EST, 1981
	1650	14.0												
*2286	950	40.0	19.0	100	31.0	07=63	02=66	2	2	40		SH SD (F)		
*2289	1590	20.0	19.0	75	30.0	09=65	06=70	8	8	180		PENN SD, PROD (B)		
*2223	1560	10.0	17.0	20	37.0	02=70	06=73	4	6	160		PROD, SUPPLY (M)		
2239	1838	8.0	20.0	2	38.5	03=65		1	4	50		PRODUCED (B)		
	1919	5.0	15.0	23										
*2264	1640	19.0			38.6	09=62	12=66	1	3	40		SH SD, PROD (M)		
2282	1300	15.0				04=71		6	9	80		PRODUCED(B)		*ESTIMATED
	1516	31.0	16.0	14	36.7	07=64								
	1622	22.0												
	1770	5.0	15.0	2										
*2283	1597	18.0	20.8	121	36.1	05=64	1=77	3	5	40		PRODUCED (B)		*ESTIMATED 1975=76

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBL/S)					
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION				
PROJECT NO., OPERATOR	U = UNIT	S = T = R		TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	1981 * 12/81	1981 * 12/81	1981 * 12/81	
* * * ABD										
* * * P.M.										
LAWRENCE, LAWRENCE, CRAWFORD CONTINUED										
2292 ZANETIS OIL PROP	W.H.&G. GILLESPIE	BUCHANAN CYPRESS	15-3N=12W	234	2495	5.7	431*	234	2220	
LAWRENCE W, LAWRENCE *2250 ACME CASING	S SUMNER UNIT	BETHEL	14,23,24=3N=13W	1191		186		285		
2235 N. A. BALDRIDGE	LAWRENCE WEST	BETHE	23,24,25=3N=13W	50*	415*	3.9	29	50*	435*	
LEXINGTON, WABASH 3858 HUCKING OIL	LEXINGTON U	MCCLOSKEY	26-18=14W	*	2743*	*	69	*	911*	
LILLYVILLE, CUMBERLAND, EFFINGHAM 704 GALLAGHER DRILLING	KROGMAN	MCCLOSKEY	31-9N=7E	125	2764*	3.5	314*	60	1021*	
LIVINGSTON, MADISON *2500 WILLIAM H. KROHN	KROGER	PENN	17-6N=6W		67		3			
*2501 M. W. MCCONNELL	C. AND O. MENKE UNIT	PENN	17,20=6N=6W		104		25			
2502 CHARLES P. WOOD	KROEGER	PENN	17-6N=6W		37		3*			
LIVINGSTON S, MADISON 2509 HOWARD CLEFF	BEST=KEHIN=LEITCH	PENN	27,34=6N=6W	100*	1245*	5.4*	97*	100*	1095*	
2507 FAIRFIELD OIL CO	BLOM=FOWLER=RUEHRUPPU	PENN	27-6N=6W	15	779*	6.0	121	3	30*	
2508 R. L. GROSSMAN	QUADE=REPUUSCH	BETHEL	21,22=6N=6W	50*	865*	2.3	54	50*	785*	
LOCUST GROVE, WAYNE *4085 ZANETIS OIL PROP	DAUBS B	AUX VASES	31-1N=9E		399*		25*		-150*	
LOUDEN, EFFINGHAM, FAYETTE 1252 N. A. BALDRIDGE	LOUDEN **	CYPRESS	77,8N=R3,4E	100*	2672*	10.9	403	100*	3000*	
1230 BARGER ENG	SINCLAIR	BETHEL CYPRESS	29-8N=3E	141	5511*	12.4	784	141	5449*	
1243 BARGER ENG	WELKER	CYPRESS	31-7N=3E	55	1917	5.4	667	55	4652	
*1201 W. L. BELDEN	HINTON U	CYPRESS	32-7N=3E		100		11			
1202 W. L. BELDEN	UNIT 25	CYPRESS	24,25=8N=3E	104	7280	2.8	605*	104*	6878*	
1209 W. L. BELDEN	B. F. OWENS	CYPRESS	9=7N=3E	+	757*	3.7	247	70*	1490*	
1213 W. L. BELDEN	E. C. SMITH	CYPRESS	20=7N=3E	136	2077	5.0	869	136*	3005*	
1226 W. L. BELDEN	SATHEK	CYPRESS	16,17=7N=3E	111	2099	15.4	456	111*	1563*	
1108 BI=PETRO, INC.	LOUDEN EXTENSION	CYPRESS	19=8N=4E	*	891**	2.2	140		481*	
1200 BI=PETRO, INC.	RHODES, MCCLOY	CYPRESS	26,27,34=8N=3E	+	1959**	1.4	100	20*	1791*	
1218 BI=PETRO, INC.	N. LOUDEN U	CYPRESS	20,21=7N=3E	+	19118**	3.1	1632	100*	14721*	
1219 BI=PETRO, INC.	S. LOUDEN U	CYPRESS	21,28,29=7N=3E	+	15985**	4.2	2194	100*	13423*	
1220 BI=PETRO, INC.	DURBIN, FORCE AREA	CYPRESS	24,26=8N=3E	#	2297**	1.9	337*	30*	1084**	
1221 BI=PETRO, INC.	MIATT	CYPRESS	29=7N=3E	*	3224*	1.6	496	*	3113*	
1203 D. L. BURTSCHI EST.	D.L.BURTSCHI LNU TR#1	CYPRESS	18=7N=3E	18	1349	3.2	238	37	848	
1207 REVIS D. CALVERT	HUMAN	CYPRESS	29,31,32=7N=3E	+	16305*	1.8*	1965*	20*	12049*	
1215 REVIS D. CALVERT	KUBERLIEN	CYPRESS	30=7N=3E		2786		515		1870*	
1233 REVIS D. CALVERT	SAPP	CYPRESS	18=7N=3E	5*	1901*	0.2*	161*	5*	733*	
1255 DORAN OIL PROP.	J.W. ARNOLD	CYPRESS	19=7N=3E	65*	1915*	3.2	123*	65*	1915*	
1204 EXXON	LOUDEN	CYPRESS	77,8,9N=H 2,3,4E	33491	1101379	1178.4	137256	37080	692779	
1216 FRY OIL CO	RHODES=HATSON	BETHEL RENUIST AUX VASES	27,33,34=8N=3E	280*	7485*	6.8*	1129**	280*	5647*	
1206 GENERAL AMERICAN	DEVORE COUP	CYPRESS	1=7N=2E	150	3108	3.4	403	150	2988	
1254 TOM GRACE	BAIL=LONG	CYPRESS	15=7N=3E	30*	865*	1.4	46*	30*	865*	
1205 L. B. MOSS TRUST	STEWART AND DIAL	CYPRESS	6=7N=3E	20*	1135*	0.8	125	20*	479*	
1225 L. B. MOSS TRUST	EMERSON	CYPRESS	31=8N=3E	10*	144*	0.3	13	10*	225*	
1235 L. B. MOSS TRUST	M. LOGUE	CYPRESS	18=7N=3E	15*	885*	0.6	42	15*	558*	
1241 L. B. MOSS TRUST	ARNOLD=HORSN=SEALOCK	BETHEL CYPRESS	19=7N=3E	300*	6219*	19.7	818	300*	6062*	
1242 L. B. MOSS TRUST	LAURA LOGUE	CYPRESS	18=7N=3E	25*	431*	0.9	72	25*	431*	
1248 L. B. MOSS TRUST	RHODES	CYPRESS	18=7N=3E	80*	1461*	3.0	407	80*	1567*	
*1249 L. B. MOSS TRUST	BUZZARD	CYPRESS	3=7N=3E		199		199		1850	
1210 R. L. MOSS	YULTON	CYPRESS	12=7N=2E,17=7N=3E	140**	5471**	6.9*	839*	140**	4164**	
1228 R. L. MOSS	SMITH	CYPRESS	13=7N=2E	40*	2341*	1.4*	230*	40*	1806*	
1232 HUGHES PROD.	MUPPER=TOWNBEND=MCLRY	CYPRESS	12=7N=2E	176	3560	7.3	700	294	4528	
**1223 HUMBLE U AND R	LOUDON DEVONIAN*	GENEVA	2,10,11,15,20,21,22,27,28,29,32,33=8N=3E		207561		19241		184970	
*1208 JARVIS BROS.	YAKLEY	CYPRESS	6=7N=3E		2832		286		1923	
*1234 KINGWOOD OIL CO.	WELKER	BETHEL CYPRESS	13=7N=2E		115		2		23	
1214 KOONS & FRANK EXPL	HUMAN	CYPRESS	29=7N=3E	65*	4981*	2.8	600	65*	5132*	
1247 KOONS & FRANK EXPL	KIMBRELL=GOOD	CYPRESS	19=7N=3E	300*	5434*	16.5	647	300*	5098*	
1236 M=8=C= CORP	D.L. BURTSCHI	CYPRESS	18=7N=3E	140*	2848*	7.2	338	140*	2502*	
1237 M=8=C= CORP	SEFTON	BETHEL CYPRESS	1,12=7N=2E	100*	1674*	4.7	327	100*	2248*	
1224 MOBIL OIL CORP.	LOUDEN	CYPRESS	5=7N=3E, 32=8N=3E	1778	41081	43.3	5372*	2944	36520	
1227 MOBIL OIL CORP.	BUZZARD BROS.	BETHEL RENUIST CYPRESS	29=8N=3E	146	3030	4.5	257*	136	2547	
*1217 OGOCO, INC.	STOKES=WEILER	CYPRESS	14=8N=3E		2610		429		1255	
1212 SHULMAN BROTHERS	LOUDEN EXTENSION	CYPRESS	34,35,36=8N=3E, 2,3=7N=3E		35840		3208		23587	
1229 TEXACO, INC.	LOUDEN SOUTH UNIT	CYPRESS	6,7=6N=3E,13=7N=3E	1993	35727	44.5	2420*	1872	34349	
1244 TEXACO, INC.	LILLY	BETHEL CYPRESS	16=8N=3E	400	4898*	21.1	1171	400	4621*	
1231 TROOP DRILLING	W A EAGLETON	BETHEL RENUIST CYPRESS	20=8N=3E		41		62		100	

in Illinois, 1981—continued

***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER *****														
***** FIELD, COUNTY ***** NO. OF ***** SOURCE *****														
PROJ.	DEPTH	NET	POR	PERM	OIL	DATE	DATE	WELLS	ACRES	SDSAND	(F)	FRESH	REMARKS	
* NO.	* (FT)	* PAY	* (%)	* (MD)	* GRAV	* FIRST	* ABD.	* UNDER	* GR=GRAVEL	(B)	* BRINE	* PROD=PRODUCED	(M) MIXED	
* (FT)	* (FT)											SH=SHALLOW		
LAWRENCE, LAWRENCE, CRAWFORD														
CONTINUED														
2292	1290	20.0				12-72		7	7	80			PRODUCED (B)	*INCL, PRIM, PROD, SINCE 1965
	1580	25.0												
LAWRENCE W, LAWRENCE														
*2250	2040	10.0	17.2	36	35.0	12-59	01-66	8	9	297			SH SD, PHOD (B)	
2235	2050	18.0				1-75		4	10	150			PRODUCED (BETHEL	*ESTIMATED
LEXINGTON, WABASH														
3858	2850	9.0	14.0	600	39.0	05-68		3	6	200			SH SD (F)	*DATA N/A 1981
LILLYVILLE, CUMBERLAND, EFFINGHAM														
704	2450	8.0			35.0	05-57		2	2	160			PROD (B)	
LIVINGSTON, MADISON														
*2500	520	15.0			33.5	07-54	12-57	2	5	80			BENOIST, A.V. SDS (B)	
*2501	525	22.0	16.0		36.0	05-52	12-70	10	10	80			SALEM, PROD (B)	
*2502	520	20.0			37.0	05-59	08-68	1	3	160			AUX VASES (B)	*NO DATA SINCE 1962
LIVINGSTON S, MADISON														
2509	575	19.0				04-72		1	6	70			PRODUCED (B)	*ESTIMATED
2507	545	39.0	22.8	1421	35.0	10-63		1	10	210			SH SD (F)	*EST, 1981
2508	2700	5.0	11.0			6-71		2	9	90			PRODUCED (B)	*ESTIMATED
LOCUST GROVE, WAYNE														
*4085	3180	10.0			39.8	08-66	1-77	1	2	20			CYPRESS (B)	*ESTIMATED 1975-76
LOUDEN, EFFINGHAM, FAYETTE														
1292						02-72								*INCL WITH EXXON TOTALS *EST
														** PURCH FROM EXXON 2-72
														*EST 1981
1230	1446	25.0				08-60		5	5	80			PRODUCED (B)	
	1528	25.0												
1243	1530	40.0				11-56		2	4	80			TAR SPR, PHOD (B)	
*1201	1584	20.0	17.4	126	34.0	09-56	01-63	1	1	20			PRODUCED (B)	
1202	1530	15.0			34.0	10-57		7	11	240			TAR SPR, PHOD (B)	*INCL PRIM PROD; *ESTIMATED
1209	1450	27.0			38.0	09-54		1	3	40			TAR SPR, PHOD (B)	*EST, *INJ, SUSP, 1-1-69
1213	1400	20.0	21.0	150	38.0	07-57		4	6	100			TAR SPR, PHOD (B)	*ESTIMATED
1226	1480	30.0				09-68		2	9	200			TAR SPR, PHOD (B)	*ESTIMATED
1108	1550	8.0			36.7	01-63			17	200			TAR SPR, PHOD (B)	*INJ, DISC, 78; *EST, 75 THRU 79
1200	1515	12.0			37.5	01-54		8	1	120			PRODUCED (B)	*EST, SINCE 75; *INJ, DISC, 1976
	1570	12.0						4	4	80				
	1590	10.0						6	6	120				
1218	1550	21.0	21.0	180	37.5	11-56		5	5	250			TAR SPR, PHOD (B)	*EST, SINCE 73; *INJ, DISC, 78
1219	1550	18.4	20.4	164	37.5	03-55		5	5	350			PRODUCED (B)	*EST, SINCE 1979; *INJ, DISC 78
1220	1493	30.0			37.5	10-56		2	2	160			PRODUCED (B)	*INCL PRIM; *EST; *DISC INJ 1978
1221	1536	40.0	19.0	250	37.2	09-56		2	2	40			PRODUCED (B)	*INJ, DISC, 1980
1203	1475	30.0				08-56		1	2	20			PURCHASED (B)	
1207	1562	37.0	18.0	200		03-54		2	3	320			PRODUCED (B)	*EST, SINCE 1971; *INJ, SUSP, 1971
*1215	1590	30.0				05-57	01-79	4	6	80			TAR SPR, PHOD (B)	*INACTIVE SINCE 77
1233	1400	30.0	19.0	95		11-62		4	2	40			TAR SPR, PHOD (B)	*ESTIMATED SINCE 1973
1255	1490	29.0				01-66		1	6	80			PRODUCED (B)	*ESTIMATED; *INCL, PRIM, SINCE 66
1204	1500	18.5	19.5	102	38.0	10-50		5	17	14480			TAR SPR, PHOD (B)	*INCL, *1252
	1580	11.6	18.3	85						7770				
	1620	15.4	19.1	109						5890				
	1660	14.1								541				
1216	1500	12.0	18.6	91	37.5	06-57		12	5	120			TAR SPR, PHOD (B)	*INCL PRIM PROD SINCE 6-57 *EST
	1560	11.0						2	4	60				
	1610	27.5						3	2	90				
1206	1454	10.0	18.0	43	37.0	07-57		1	6	80			PRODUCED (B)	
1254	1560	7.0				8-75		1	3	70			PRODUCED (B)	*EST, *INCL PRIM PROD SINCE 1967
1205	1522	20.0	19.0	90	38.0	07-57		3	3	40			TAR SPR, PHOD (B)	*ESTIMATED SINCE 1970
1225	1500	12.0	19.0		37.0	01-59		1	1	10			PRODUCED (B)	*ESTIMATED
1235	1475	26.0	19.0		37.0	11-61		1	1	20			PURCHASED (B)	*ESTIMATED
	1580	19.0	19.0					1	1	20				
1241	1490	68.0	20.0		38.0	11-58		1	9	140			PURCHASED (B)	*ESTIMATED
1242	1550	19.0			35.0	08-63		2	2	40			PRODUCED (B)	*ESTIMATED SINCE 1970
1248	1930	20.0	19.0		38.0	01-65		1	4	40			TAR SPR, PHOD (B)	*ESTIMATED
*1249	1550	30.0	19.0	150	38.0	06-60	12-69	1	3	40			TAR SPR, PHOD (B)	
1210	1504	30.0				08-57		4	4	40			TAR SPR, PHOD (B)	*INCL BOTH PAYS; *EST, SINCE 71
	1540	29.0				07-57		2	2	40				
1228	1504	29.0				01-58		2	3	40			TAR SPR, PHOD (B)	*ESTIMATED SINCE 1971
1232	1505	25.0			36.0	08-57		5	7	100			TAR SPR, PHOD (B)	
*1223	3100	18.0	14.4	41	29.0	09-43	12-66	7	42	2600			PRODUCED (B)	*CONVERTED TO GAS STORAGE RESERVOIR
*1208	1400	18.0				11-57	12-69	3	4	70			TAR SPR, PHOD (B)	
	1540	27.0						2	5	70				
*1234	1558	11.0				05-62	12-69	1	1	10			TAR SPR, PHOD (B)	
1214	1595	28.0			36.0	08-55		2	5	80			TAR SPR, PHOD (B)	*EST 1981
1247	1534	22.0				01-59		2	6	40			TAR SPR, PHOD (B)	*EST, 1981
1236	1550	19.0			39.0	09-53		4	8	60			TAR SPR, PHOD (B)	*ESTIMATED SINCE 1974
	1580	12.0						4	7	60				
1237	1560	20.0			39.0	08-57		2	3	50			TAR SPR, PHOD (B)	*ESTIMATED SINCE 1974
1224	1490	18.0	18.4	101	37.0	01-58		24	24	240			TAR SPR, PHOD (B)	*INCL PRIM PROD SINCE 1-58
	1525	20.0												
	1550	40.0												
1227	1400	20.0	18.4	102	38.3	10-58		4	6	40			TAR SPR, PHOD (B)	*INCL PRIM PROD SINCE 10-58
	1420	20.0												
*1217	1480	29.0	19.4	93		03-56	01-79	3	3	60			TAR SPR, PHOD (B)	
*1212	1530	30.0	20.0	200	36.0	12-55	12-68	46	48	416			TAR SPR, PHOD (B)	*INCL PRIM PROD SINCE 12-55
1229	1600	25.0	18.5		37.0	05-60		12	19	632			PRODUCED (B)	*INCL PRIM SINCE 12-60.
1244	1475	22.0			35.5	08-64		7	10	118			TAR SPRINGS (B)	*ESTIMATED 1977 DATA
	1555	22.5												
	1610	27.5												
*1231	1520	6.0			39.4	04-61	04-71	1	2	40			TAR SPR, PHOD (B)	*SINCE 1-65

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBLs)			
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	
PROJECT NO., OPERATOR	U = UNIT		S = T = R	TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	
ABD				1981 * 12/81	1981 * 12/81	1981 * 12/81	
P, M,							
LOUISVILLE N, CLAY							
* 373 MCKINNEY, FUNDERS	WOLF-POKTER	SPAR HTN	9,10=4N=6E	25	2	20	
MCKINLEY, WASHINGTON							
* 4011 JET OIL CO.	FREIMAN-HUNLETH	BENUIST	29=3S=4W	151	1	152	
MAIN C, CRAWFORD, LAWRENCE, JASPER							
* 667 M. J. ADAMS	M. J. ADAMS W F	ROBINSON	28=8N=12W	1058			
* 602 ASHLAND O AND R	BIRDS 1	ROBINSON	9,10,15,16=5N=11W	19507	536		
* 603 ASHLAND O AND R	BIRDS 2	ROBINSON	20=5N=11W	2512	114	605	
* 604 BELL BROTHERS	BARRICK	ROBINSON	13=7N=13W	* 1975*	152	86	1369
* 652 BLACK&BLACK	YURK #3	ROBINSON	8=7N=12W	10	21	7	21
* 688 PHIL BRURTER	OBLONG	ROBINSON	9=7N=13W	100*	1442*	4.7	108
* 599 CALIENTE OIL CO	GEORGE L. WALTERS	ROBINSON	2=6N=13W		1632*	32*	100*
* 589 CLARENCE CATT	SPARKS WF NO. 1=H	BETHEL	13=6N=12W		258	11	119
* 598 CLARENCE CATT	HUDSON WF	BETHEL	6=5N=12W	5*	837*	0.1	30
* 616 CLARENCE CATT	MC CALL	ROBINSON	1=5N=13W		6	1	6
* 643 CLARENCE CATT	EAGLETON UNIT	SAMPLE	1=5N=13W	250*	2238*	13.8	117
		RETHEL					250*
590 JOHN M. CHIVETTA	QUICK HRS WARTLEROAD	ROBINSON	29=7N=12W	20	408*	0.4	51*
* 646 CITATION OIL CO	CUNOVER	ROBINSON	19=7N=12W	10*	811*	0.7	40
* 695 JACK COLE	MULLINS	ROBINSON	9=5N=12W		15	8	11
* 609 E. CONSTANTIN	J.S. KIRK	ROBINSON	29,30,31,32=7N=12W		977*	57*	
* 610 E. CONSTANTIN	SMITH	ROBINSON	7=7N=12W, 12=7N=13W		337	1	1
* 607 CREST ASSOCIATES	MITCHELL	ROBINSON	24,25=7N=13W		935*	107*	125*
* 615 CREST ASSOCIATES	PORTERVILLE	ROBINSON	25,36=8N=13W		1345	44	
* 619 ENERGY RESOURCES	ALEXANDER=REYNOLDS	ROBINSON	19,20=7N=12W		8450*	602*	2095*
* 644 ENERGY RESOURCES	CRAWFORD CO. FLOOD	PENN	6,7=5N=12W	300*	1777*	4.2	59
		BETHEL					300*
* 612 D. W. FRANCHOT	BIRDS	ROBINSON	14,15,16,21,22=5N=11W		53049	1529	4250
* 631 HAROLD FUNCANNON	BIRDS AREA	ROBINSON	16,20,21,28,29=5N=11W	912	36056	14.0	1629
* 647 GALLAGHER DRILLING	OBLONG BENUIST	BETHEL	19,20,29,30=7N=13W		1171	386	1756
* 614 GEN. OPERATIONS	LITTLEJOHN	ROBINSON	20=6N=12W		699	34	179
594 GETTY OIL CO	A.W. MANN	ROBINSON	5,6=5N=12W, 32=6N=12W	690	13089	5.2	503
		BETHEL					390
596 GETTY OIL CO	STIFLE=MCKNIGHT	ROBINSON	7,18=7N=13W	204	4614	7.3	259
597 GETTY OIL CO	ALLEN=AMES	BETHEL	29=7N=13W	450	6460*	1.9	460
		AUX VASES					55
		MCCLOSKEY					1945
630 GETTY OIL CO	BIRCH 1	ROBINSON	14=6N=13W	262	8912	5.2	520
632 GETTY OIL CO	BARRICK=WALTERS	ROBINSON	18,19=7N=12W, 13,24=7N=13W	1488	46437	26.7	1983
		ROBINSON	16,17,21,22=6N=13W	79	9844	5.2	679
* 633 GETTY OIL CO	GOOD=HANS	ROBINSON	11=7N=13W		9713	461	5213
* 634 GETTY OIL CO	MUWARU	ROBINSON	29=7N=13W	240	4088	7.0	357
635 GETTY OIL CO	ALLEN HEIRS	ROBINSON	27,34=6N=13W	346	14928	9.1	915
636 GETTY OIL CO	DENNIS=HARDIN	ROBINSON	26,27=6N=13W	85	3059	2.7	285
637 GETTY OIL CO	THOMPSON	ROBINSON	9,10,16=7N=13W		8369	564	5788
* 641 GETTY OIL CO	STIFLE=DRAKE	ROBINSON	17=7N=13W	133	2091	0.7	24
645 GETTY OIL CO	M DRAKE	BETHEL					21
		AUX VASES					235
648 GETTY OIL CO	C.M. STIFLE C	BETHEL	8=7N=13W	*	536	*	7
		AUX VASES					97
649 GETTY OIL CO	J.G. MCKNIGHT C	BETHEL	18=7N=13W	*	236	1.0	16
		AUX VASES					7
668 GETTY OIL CO	HIGHSMITH	ROBINSON	20,21=6N=12W	281	8967	6.3	314
* 696 GETTY OIL CO	WALTERS=STANTZ	ROBINSON	14,15=7N=13W		938	58	269
* 621 ILL. L&E, OP.	SIEMR=NEHLIN=MOUSER	ROBINSON	19=7N=13W		248*	28*	597
* 618 G. JACKSON	STANFIELD	ROBINSON	17=8N=12W		47		117*
613 KOONS & FRANK EXPL	CULVER WATERFLOOD	ROBINSON	5,6,7=7N=12W		4691*	*	5
591 D. R. LEAVELL	BIDLE	ROBINSON	25=8N=13W	100*	1297*	5.2	189*
606 D. R. LEAVELL	GROGAN (FLOOD 26)	ROBINSON	4,5,9=7N=13W	10*	6140*	1.1	57
611 D. R. LEAVELL	OBLONG (FLOOD 25)	ROBINSON	5,8,9=7N=13W		9087*	+	100*
610 D. R. LEAVELL	SCHUYTE=BIDLE	ROBINSON	32=8N=12W	50*	320*	3.6	632*
669 D. R. LEAVELL	OBLONG (FLOOD 27)	ROBINSON	8=7N=13W	65*	1856*	2.2	36
* 670 D. R. LEAVELL	STIFLE	ROBINSON	8=7N=13W		3010*		50*
691 D. R. LEAVELL	OBLONG (FLOOD 29)	ROBINSON	17=7N=13W	*	190*		52*
620 THE MACDONELL CO	CUNDREY AKEA	ROBINSON	6,7=7N=13W, 12=7N=14W	274	4903*	17.3	65*
671 THE MACDONELL CO	KIRTLAND U	ROBINSON	5=6N=13W	91	3215*	1.6	48*
672 THE MACDONELL CO	KIRTLAND=JEE	ROBINSON	5,6=6N=13W	465	22195*	19.2	183*
617 MARATHON OIL CO.	WRIGHT FLOOD C	ROBINSON	23,28=6N=13W		8335*	300*	465
623 MARATHON OIL CO.	17 PROJECTS*	ROBINSON	76,7,8N=12,13,14W	8015	495018	314.5	300*
							465
650 MARATHON OIL CO.	FLOOD 99=K	ROBINSON	687N=13W	337*	2755*	17.1*	200*
698 MARATHON OIL CO.	THORNTON WF 21=H	BETHEL	17,18,19,20,29=7N=13W	659	31308	64.9	3262
		AUX VASES					1073
		MCCLOSKEY					19429
* 592 MT. CARMEL ORLG.	NEW HEBRON WATERFLOOD	ROBINSON	22=6N=12W		1562	113	687
* 593 MT. CARMEL ORLG.	STEWART-INBODEN	BETHEL	36=6N=12W		133	5	32
* 624 PARTLOW, COCHNOR	RICH	ROBINSON	35,36=6N=12W		2716	67	1134
* 662 PETROL. PROD. CO	RHODES	ROBINSON	27,28=6N=13W		445		
608 PRUDENTIAL OIL	TOHILL=HUGHES	ROBINSON	27,28=6N=13W	*	6035*	*	401*
* 625 RED HEAD OIL CO.	DJH	ROBINSON	25,26=6N=13W		4220*		4180*
* 663 REE, INC.	MESERVE UNIT	ROBINSON	11=6N=13W		251	1	1103*
* 626 E. G. REEVES	BILLINGSLEY COOP	ROBINSON	34,35=7N=13W		2736*	89*	39
* 605 M. F. ROBERTS	BISHOP C	ROBINSON	19,20=8N=12W		2208	35	92*
622 CURTIS HOSS	DEES=LEWIS=WALL=YOUNG	ROBINSON	4,9=6N=13W	200*	3828*	5.0	157*
693 CURTIS HOSS	SHILTS FLOOD C	ROBINSON	8=6N=13W	45*	3724*	1.9	93
* 680 ROYALCO, INC.	OAK RIDGE	BETHEL	17=5N=12W		537	*	*
* 681 ROYALCO, INC.	OAK RIDGE U	CYPRESS	17=5N=12W		3213		108*
* 685 ROYALCO, INC.	DENNIS HEIRS U	ROBINSON	29,30=7N=13W		22916	1032	8368
* 686 ROYALCO, INC.	C.J. BEST	ROBINSON	29,29=7N=13W		2366	109	874*
* 687 ROYALCO, INC.	STEWART HEIRS	ROBINSON	21=6N=13W		4090	289	2310
* 689 ROYALCO, INC.	WALBE=ALLEN	ROBINSON	12,13=7N=14W		397	75	424*
* 697 ROYALCO, INC.	DEES C	ROBINSON	28=6N=13W		1463	60	858
* 627 SHAKESPEARE OIL	MCINTOSH UNIT	ROBINSON	17,18,19,20=6N=12W		396	18	241
* 628 SHAKESPEARE OIL	MONTGOMERY UNIT	ROBINSON	32,33=6N=12W		516	18	177

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***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER *****											
***** FIELD, COUNTY * NO. OF * SOURCE TYPE *****											
PROJ.	DEPTH	NET	POR	PERM	OIL	DATE	DATE	WELLS	ACRES	SD=SAND (F)=FRESH	
NO.	(FT)	(%)	(%)	(MD)	GRAV	FIRST	ASD	UNDER	UNDER	GH=GRAVEL (B)=BRINE	
		(FT)				INJ.		INJ.	PROD.	INJ.	
***** PRODUCTION PRODUCED (M)=MIXED *****											
***** SH=SHALLOW *****											
LOUISVILLE N, CLAY											
* 373	2800	10.0				11-70	05-72	1	2	30	CYPRESS (B)
MCKINLEY, WASHINGTON											
* 4011	1090	10.0				04-65	07-69	2	2	20	PRODUCED (B)
MAIN C, CRAWFORD, LAWRENCE, JASPER											
* 667	1000	22.0	18.5	98		01-58	12-58	5	4	80	LAKE, PRODUCED (M)
* 602	950	30.0	21.0	136	31.0	05-54	01-64	67	53	530	PENN SAND (B)
* 603	930	25.0	21.0	125	30.8	03-57	01-66	11	9	200	GRAV, PROD (M)
* 604	960	56.0	19.2	126	34.9	10-54		4	2	40	PENN SD, PROD (B)
* 652	1050	30.0	20.0		34.0	01-76		1	6	20	PRODUCED (B)
* 688	980	20.0	40.0	75	36.0	07-52		5	12	200	PRODUCED (B)
* 599	930	20.0	18.1	141	32.7	10-64	12-75	5	7	70	PENN SD, PROD (B)
* 589	1350	7.0				02-64	01-70	1	1	20	PRODUCED (B)
* 598	1320	10.0			35.0	04-64		2	1	20	SH SD (F)
* 616	820	18.0			32.0	05-66	01-70	1	3	40	PRODUCED (B)
* 643	1257	19.0	17.6		33.0	01-68		4	3	60	PRODUCED (B)
	1323	15.0	16.0					4	3	80	
* 590	935	12.0	19.3	36	37.0	11-64		4	9	60	PRODUCED (B)
* 646	930	22.0	19.0	95		06-70		5	6	40	PENN SD (B)
* 695	925	10.0	20.0	100	33.4	12-62	12-66	2	6	100	PENN SD (B)
* 609	900	20.0	17.0	170	34.0	08-51	06-69	14	37	56	CITY WATER (F)
* 610	900	25.0	18.0	70	34.0	03-54	01-70	6	5	50	SURFACE (F)
* 607	890	10.5	21.1	99	33.5	06-53	01-65	13	19	78	PENN SD, PROD (B)
* 615	890	20.0	17.0	47	32.6	04-54	01-70	5	19	50	LAKE (F)
* 619	940	22.0	22.0	167	34.0	12-51		28	29	280	CYPRESS, PROD (B)
* 644	1180	7.5	17.6	324	38.0	06-68		1	4	50	PENN SD (B)
	1380	7.8	17.3	46	36.0			2	9	140	
* 612	950	20.0	18.9	162	31.7	06-51	11-71	95	104	1030	RIVER GRAV, PROD (M)
* 631	950	21.8	19.4	197	30.1	02-52		48	53	420	GRAV, PROD (M)
* 647	1250	8.0	16.5	20	38.0	04-71		7	14	360	PRODUCED (B)
* 614	850	24.0	20.0	50	37.5	10-52	12-58	4	9	60	PENN SD, PROD (B)
* 594	950	20.1	20.0	150	33.0	01-64		9	9	160	BASAL PENN, PROD (B)
	1320	9.0	16.0	40							
* 596	950	17.3	20.0	100	34.0	04-61		6	11	38	PENN SD, PROD (B)
* 597	1332	10.0	14.2	30		01-70		23	5	160	PROD, FRESH (M)
	1406	5.0	18.0	10							
	1434	4.0	19.6	10							
* 630	881	34.3	19.1	108	33.0	08-54		6	7	60	GRAV, PROD (M)
* 632	950	30.9	20.0	152	35.0	03-54		35	40	407	PENN SD, PROD (B)
* 633	930	24.3	21.0	378	35.0	09-57		4	6	60	PRODUCED (B)
* 634	950	20.2	19.6	184	35.3	02-52	11-71	10	19	79	PRODUCED (B)
* 635	980	25.3	20.0	150	35.0	10-56		7	6	153	SH SD, PROD (M)
* 636	875	33.7	19.8	173	32.7	08-50		8	11	92	PURCHASED (B)
* 637	860	32.9	19.8	108	33.0	09-52		4	3	40	PURCHASED (M)
* 641	980	23.6	18.2	221	33.5	06-52	11-71	19	19	278	PENN SD, PROD (B)
* 645	1364	8.0			36.8	10-71		3	1	80	SH SD, PROD (M)
	1404	6.0									
* 648	1403	14.0	14.0	13	34.0	01-72		2	1	150	PURCHASED (B)
	1438	12.0	11.0	2							
* 649	1412	3.0	11.5	19	34.0	09-72		1		10	PURCHASED (B)
	1435	8.0	8.8	2							
* 668	920	21.2	20.0	80	35.0	04-59		6	3	121	PENN SD, PROD (B)
* 696	950	17.1	19.0	200		06-63	11-71	4	10	67	PENN SD, PROD (B)
* 621	896	36.0				07-63	01-73	2	5	180	PENN SD (B)
* 618	977	30.0	23.0	57	36.0	06-52	08-53	3	3	20	SH SD, PROD (M)
* 613	950	17.0	19.5	108	36.8	02-61		13	20	126	POND, PROD (M)
* 591	1000	10.0	15.0	85	34.0	07-61		3	6	80	PRODUCED (B)
* 606	950	20.4	18.9	71	37.0	10-53		12	22	151	GRAV, PROD (M)
* 611	950	23.2	18.3	69	37.0	08-56		23	29	174	GRAV, PROD (M)
* 651	995	18.0				04-76		5	12	120	PRODUCED (B)
* 669	950	15.3	17.8	83	37.0	01-58		8	8	87	GRAV, PROD (M)
* 670	950	24.4	18.9	35	37.0	01-58	1-77	5	2	27	GRAV, PROD (M)
* 691	950	15.0	18.6	106	37.0	01-63		1	5	22	GRAV, PROD (M)
* 620	910	21.0	20.8	165	34.4	11-66		5	29	310	PRODUCED (B)
* 671	800	40.0	20.1	143	34.9	01-58		9	7	30	PENN SD, PROD (B)
* 672	913	40.0	20.8	158	36.8	01-58		23	61	330	PENN SD, PROD (B)
* 617	900	15.0	20.0	245	34.0	01-53		9	16	18	PENN, PROD (B)
* 623	920	20.0	19.5	125	34.0	05-48		295	447	5817	GRAV, PROD (M)
* 650	900	20.0	20.0	100		01-74		8	38	1448	PRODUCED (B)
* 698	1340	10.0	13.0	30	38.0	07-63		28	47	1410	GRAV, PROD (M)
	1390	8.0								1410	
	1450	8.0								1050	
* 592	930	14.0	15.8	16	36.0	01-63	10-71	8	14	130	PENN SD (B)
* 593	1310	10.0	16.0	45	34.0	03-64	07-66	2	2	50	PENN SD, PROD (B)
* 624	1006	22.0	24.3	240	26.0	10-54	12-61	5	9	60	LAKE, PROD (M)
* 662	1000	19.0	20.0	75	35.7	09-51	12-56	4	2	40	SH SD, POND (M)
* 608	900	20.0	20.0	100	32.0	06-51		6	9	130	SH SD, PROD (M)
* 625	840	10.5	21.2	98		07-53	12-62	16	14	103	PENN SD, PROD (B)
* 663	950	22.7	21.9	89		11-53	05-55	4	4	20	PENN SD (B)
* 626	925	20.0	30.0	45		12-53	07-64	6	8	115	PENN SD (B)
* 605	1000	22.4	22.1	156	35.7	11-53	02-60	26	7	70	SH FK, PROD (M)
* 622	875	15.0				01-68		14	16	300	SH SD, PRODUCED (M)
* 693	900	10.0	18.0	150	36.0	06-63		6	6	80	PENN, PROD (B)
* 680	1590	8.0	14.0	15	35.7	10-61	05-69	1	5	420	SH WELL, PROD (M)
* 661	1470	15.0	18.5	57	35.9	10-61	05-69	5	6	420	SH WELL, PROD (M)
* 685	950	20.0	19.0	120	37.2	12-59	05-69	71	84	380	SH WELL, PROD (M)
* 686	950	20.0	15.0	12	37.2	11-61	05-69	7	11	80	SH WELL, PROD (M)
* 687	950	38.0	28.7	240	37.0	10-60	11-70	6	9	40	PRODUCED (B)
* 689	936	50.0	18.5	74	36.8	12-61	03-69	3	5	180	PURCHASED (B)
* 697	930	12.0	17.0	64	37.2	09-61	05-69	7	9	160	SH WELL, PROD (M)
* 627	925	12.0			32.6	07-54	01-59	4	8	39	PENN SD (B)
* 628	975	25.8	22.6	150	28.3	05-54	05-58	6	6	52	PENN SAND (B)

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBL)			
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	
PROJECT NO., OPERATOR	U = UNIT		S = T = R				
* * * ABD				TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	
* * * P ₂ M ₂				1981 * 12/81	1981 * 12/81	1981 * 12/81	
MAIN C, CRAWFORD, LAWRENCE, JASPER CONTINUED							
* 628 SHAKESPEARE OIL			4=5N=12W				
* 661 SKILES OIL CORP.	CURRELL-GURLEY COOP	RUBINSON	10=7N=12W	1214	30		227
* 664 SKILES OIL CORP.	WALTER COMM COOP	RUBINSON	1=6N=13W, 3=7N=13W	26			29
* 665 SKILES OIL CORP.	MEGER COOP	RUBINSON	18,19=5N=11W 13,24=5N=12W	770	8		109
653 TOM SLIYA	BAKER	RUBINSON	1=7N=14W	*	*	*	*
* 595 JAMES M. STONE			28=7N=12W	35	1		12
* 629 JAMES M. STONE	CLARK-HULSE	RUBINSON	18=7N=13W	5726	303		3981
* 639 JAMES M. STONE	LEFEVER-MUSGRAVE	RUBINSON	13=7N=14W	3754*	427		2274*
* 638 TIDEWATER OIL CO	HENRY-IKEMIRE	RUBINSON	10,13=7N=13W	4187	470		2401
* 640 TIDEWATER OIL CO	MONTGOMERY-SEITZINGER	RUBINSON	15,16=5N=11W	1544	67		817
* 642 TIDEWATER OIL CO	WALTER-STAHN COOP	RUBINSON	13,14=7N=13W	991	111		712
654 TRIPLE B OIL CO	DART-OSBORNE	RUBINSON	11=7N=13W	24	0.1		1
655 TRIPLE B OIL CO	RUSK & WILLIAMS	RUBINSON	4=6N=13W	87	3.3		3
656 TRIPLE B OIL CO	REINDEHL-DAVIS	RUBINSON	29=6N=12W	76	24.9	25*	
657 TRIPLE B OIL CO	DARROUGH	RUBINSON	11=7N=13W	375	1029	100	375
* 679 MAUSAU PET. CORP	HIGHSMITH COOP	RUBINSON	31=6N=12W	153*			37*
659 E. L. WHITMER	SANDERS	RUBINSON	2=3,4,35,36=6N=13W, 1,2,3=5N=13W	250*	7614*	13.8	250*
694 WICHITA INDUSTRIES	FLYNN	RUBINSON	2=3,5=8N=13W	406*	6838	10.1	599
* 692 GEORGE WICKHAM	PRICE,KEITH,BARLOW	RUBINSON	8,17=7N=12W	1571	59		338*
MAPLE GROVE C, EDWARDS, WAYNE							
1008 ASHLAND O AND R	RENNINGTON COOP	MCCLOSKEY	7=1N=10E	572	166		
4078 H AND H OIL CO	MT ERIE E	AUX VASES	22,23=1N=9E	129	16*		25*
4063 TRIPLE B OIL CO	MURBLE	AUX VASES	13=1N=9E	50*	815*	0.4	39
1025 L. URBANSKI	MAPLE GROVE	MCCLOSKEY	9,10=1N=10E	1238	186*		1238*
4127 WINMAR OIL CO,	W BENNINGTON	AUX VASES	13=1N=9E	171	32**		213
MARINE, MADISON							
2504 KARCHMER PIPE	MARINE PILOT U	SILURIAN	8,9,17=4N=6W	300*	3354*	5.4	51
MARKHAM CITY, JEFFERSON							
*2003 TIDEWATER OIL CO	NEWTON	STE GEN	1=38=4E	*			1
MARKHAM CITY W, JEFFERSON							
*2004 GULF OIL CO	W MARKHAM CITY U	AUX VASES	3,4,9,10=38=4E	6404	429		4477
*2020 H DOUBLE L	MARKHAM CITY WEST U	MCCLOSKEY	34,35=28=4E, 2=38=4E	300	1		300
MARTINSVILLE, CLARK							
* 214 AMERICAN PUMP	FROEDERMAN AND CONNELLY	PENNSYLVNIN	13=9N=14W	3778*	121*		
* 218 J. B. BUCHMAN	W MORGAN	CARPER	31=10N=13W	283			5
* 219 MOBIL OIL CORP.	CARPER	CARPER	30=10N=13W	1111	10*		10
* 220 MOBIL OIL CORP.	CASEY	CASEY	19=10N=13W	872	2		34
MASON N, EFFINGHAM							
1104 TRI STAR PROD CO	MASON N U	BENJIST	9,10=6N=5E	140	2833*	2.9	185
MATTOON, COLES							
* 515 ASHLAND O AND R	DEGLEK BRUS COOP	CYPRESS	3=12N=7E	459	22		174
507 N. A. BALDRIDGE	UDELL	SPAR MTN	10=11N=7E	20*	706*	0.9	31
520 N. A. BALDRIDGE	MATTOON CUOP	SPAR MTN	10,11=11N=7E	20*	761*	0.3	76
* 504 DELL CARROLL	MATTOON	CYPRESS	23=12N=7E	189	20		20*
* 506 DELL CARROLL	MATTOON	SPAR MTN	23=12N=7E	348	84		88
* 516 DELL CARROLL	CARLYLE & A	SPAR MTN	11=11N=7E	47	25		173
523 COLLINS BROS.	LANDSHAW-HILL	CYPRESS	27=12N=7E	25*	925*	0.9	25*
503 WALTER DUNCAN	REDMAN-MACKE	SPAR MTN	23=12N=7E	*	758	1.7	94
511 WALTER DUNCAN	OHM	CYPRESS	2,3=11N=7E	163	3778*	3.9	27
514 WALTER DUNCAN	ARTHUR-OLIVER	SPAR MTN	2=12N=7E	129	3602*	1.4	84
521 WALTER DUNCAN	COLEMAN UNIT	SPAR MTN	10=11N=7E	*	974*	0.8	27
* 525 WALTER DUNCAN	PAWNEE ROYALTY	SPAR MTN	23=12N=7E	700*	130**		100
* 524 GORDON OIL CO,	TIVNEN	CYPRESS	35=12N=7E	2000*	180*		1924*
* 501 PHILLIPS PET. CO	TINSLEY	SPAR MTN	22=12N=7E	249	15		968
* 509 SAFARI OIL CO	NORTH MATTOON UNIT	CYPRESS	10,11=12N=7E	1977	157*		600*
500 SCHAEFER OIL CO,	MATTOON	CYPRESS	23,24,25,26,27,34,35, 36=12N=7E,2,11=11N=7E	34574*	23.0	2169	15
512 SCHAEFER OIL CO,	SOUTH MATTOON UNIT	CYPRESS	34=12N=7E, 3=11N=7E	*	11195*	8.2	144
* 519 SCHAEFER OIL CO,	HERKIMER	AUX VASES	11=12N=7E	1124*	58*		457
517 CARL WHITE	G. BRINING	SPAR MTN	3=11N=7E	35*	687*	1.4	15267*
MATTOON N, COLES							
518 ELMER M NOVAK	N.W. MATTOON WF	SPAR MTN	22=13N=7E	25*	1720*	1.4	27
MAUNIE N C, WHITE							
4453 COY OIL CO	RAMMING	TAR SPRINGS	24=58=10E	220	46**		220*
4307 DEVON CORP.	ACKERMAN-BOHLEBER-JSN	OHARA	35=58=10E	652	65*		115*
4328 DEVON CORP.	ACKERMAN	AUX VASES	23,26=58=10E	59	1528*	2.2	104*
4448 DEVON CORP.	ACKERMAN	SPAR MTN	25=58=10E	1120	141		23
*4452 NAPCO	ACKERMAN E	BETHEL	25=58=10E	*			1120*
*4282 LOUIS PESSINA	RIBEYRE ISLAND UNIT	MCCLOSKEY	19,30=58=14W	817	144		650
4356 REBSTUCK OIL CO,	M B BOHLEBER	AUX VASES	26=58=10E	5	1093	0.1	180
		TAR SPRINGS					373
		AUX VASES					5
							1141

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBLs)			
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER	OIL	WATER	
PROJECT NO., OPERATOR	U = UNIT	S = T = R		INJECTION	PRODUCTION	PRODUCTION	
* * * A.B.D.				TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	
* * * P.M.				1981 * 12/31	1981 * 12/31	1981 * 12/31	
MAUNIE N C, WHITE							
CONTINUED							
4356 REBSTOCK OIL CO.	MAUNIE N U	MC CLOSKEY			225		
4220 RULEO OIL CORP.	MAUNIE N U	AUX VASES	18,19-5S-14W		2640	338*	
4272 G. SCHOONMAKER	MAUNIE W UNIT	AUX VASES	35-5S-10E, 2-6S-10E		2720	184*	1737*
4384 TRI STAR PROD CO	MAUNIE WF U	PENNSYLVANIA	24,25,36-5S-10E	41*	6636*	9,7	1669 41* 3977*
		BETHEL					
		AUX VASES					
		MCCLOSKEY					
*4405 WALKER OIL CO.	GRAY	RETHEL	25-5S-10E		69	1	7
		AUX VASES					
MAUNIE S C, WHITE							
4213 ABSSHER OIL CO	PALESTINE UNIT	BRIDGEPORT	13,24-6S-10E	150**	4040**	15,7*	323+ 150** 2965**
		PALESTINE			13535	1721	12150
		TAR SPRINGS					
		AUX VASES					
4230 MOBIL OIL CORP.	TAR SPRINGS U	TAR SPRINGS	19-6S-11E		4748	792	2049
			24,25-6S-10E				
4239 MOBIL OIL CORP.	MAUNIE COOP	TAR SPRINGS	24-6S-10E		180	11	102
*4268 MOBIL OIL CORP.	TAR SPRINGS U 2	TAR SPRINGS	24-6S-10E, 19-6S-11E		639	60	209
4273 BERNARD PODOLSKY	ANNOLD UNIT	CYPRESS	7,18-6S-11E		848*	2,2	268 2 144
*4265 REBSTOCK OIL CO.	SOUTH CLEAR POND	PALESTINE	12-6S-10E		2097	141	428
		TAR SPRINGS					
MELROSE, CLARK							
* 227 SHAKESPEARE OIL	MELROSE U	ISABEL	13,24-9N-13W		192	4	2
MILETUS, MARION							
2632 FEAR AND DUNCAN	JUNES #1	BENOIST	16-4N-4E	25*	369*	1,6	22 25* 364*
MILL SHOALS, HAMILTON, WAYNE, WHITE							
4410 COY OIL CO	BROWN ET AL	AUX VASES	29,31,32-3S-8E	40*	1247*	1,0	135 40* 1141*
4059 CULLUM OIL CO.	FELIX	AUX VASES	12-3S-7E, 17-3S-8E	50*	720*	3,5+	59+ 50* 720*
*1571 PAUL GRAEHLING	FYIE	AUX VASES	25-3S-7E		*	*	37*
*1505 BARRON KIDD	GARDNER	AUX VASES	24-3S-7E		*	*	28
4352 POOL OIL CO.	MCINTOSH U	AUX VASES	31-3S-8E, 6-4S-8E	22	6057*	1,8	469 22 4026*
4386 POOL OIL CO.	MILL SHOALS U	AUX VASES	19,27-3S-8E		3811*		257*
4133 SHULMAN BROTHERS	POORHMAN=FOX	AUX VASES	13-3S-7E, 18,19-3S-8E	35*	1567*	3,1	130 35* 793*
1569 TAMARACK PET.	DAUBY=NEWBY SW	AUX VASES	36-3S-7E	110	2259	4,0	207 138 1876
4279 TAMARACK PET.	DAUBY=NEWBY NE U	AUX VASES	30,31-3S-8E	69	4129	1,7	210 70 2362
*4411 TAMARACK PET.	E. MILL SHOALS	AUX VASES	20,29-3S-8E		1319		74 513
4183 TEXACO, INC.	A.J. POORHMAN "A" NCT-2	AUX VASES	19-3S-8E	34	3279	6,7	183 34 1031
4337 TEXACO, INC.	A.J. POORHMAN "A" NCT 1	AUX VASES	31,32-3S-8E	94	3093	1,8	214 94 1596
1506 SAM TIPPS	B. R. GRAY, TRUSTEE	AUX VASES	1-4S-7E		3211		349 1444*
*4442 SAM TIPPS	MCINTOSH	AUX VASES	30-3S-8E		*		70* 350*
*4363 M. WEINERT EST.	MILLSHOALS UNIT	AUX VASES	30-3S-8E		6705		326 3089
*4397 M. WEINERT EST.	WEST MILL SHOALS UNIT	AUX VASES	20,29,30-3S-8E		3230		189
MODE, SHELBY							
3802 DON DURR	MODE FIELD	BENOIST	15,16,21,22-10N-4E	105*	711*	10,5	354 70* 686*
MONTROSE N, CUMBERLAND							
708 EGO OIL CO	MONTROSE WF	MCCLOSKEY	34-9N-7E	*	103*	0,3*	12* * 9*
MT CARMEL, WABASH							
3655 T. M. BANE ESTATE	HARRIS	BIEHL	17-1S-12W	*	*	7,4	170
		CYPRESS					
3864 FRMERS PETR COOP	SHAW	CYPRESS	7-1S-12W	8	883	0,8	112 8 329
*3918 FRMERS PETR COOP	WABASH UNIT	MCCLOSKEY	5-1S-12W		425		89 165
*3941 FIRST NATL PET	SHAW=COURTER	CYPRESS	7-1S-12W		259		28 9
*3946 FIRST NATL PET	SHAW=COURTER	BIEHL	7-1S-12W		364		69 148
*3919 T. M. GEORGE EST.	NORTH MT CARMEL	CYPRESS	4,5-1S-12W		350		29
3958 T. M. GEORGE EST.	DUNKEL=JOHNSON	CYPRESS	32-1N-12W		400		22
*3888 M AND M OIL CO	C F CHAPMAN	TAR SPRINGS	7,18-1S-12W		169		10 83
*3854 HAYES=WOLFE BROS	COTNER	CYPRESS	21-1S-12W		82		82
3872 GILBERT A. HIGGINS	CROW=MILLER	CYPRESS	8-1S-12W		99		99 145
3983 GILBERT A. HIGGINS	MT CARMEL N U	BIEHL	4,9-1S-12W	*	4276	0,4	371 6+ 1443
		CYPRESS					
3849 ILL. MID-CONT.	ZIMMERMAN UNIT	CYPRESS	10-1S-12W	100*	940*	5,6	51 100* 940*
3887 JUNIPER PETROLEUM C	CLAY NOELLEN	CYPRESS	5-1S-12W		256		16 191
3890 JUNIPER PETROLEUM C	PALYMA U	BIEHL	5-1S-12W	145	3901	3,0	225 78 1700
		TAR SPRINGS					
		CYPRESS					
3977 JUNIPER PETROLEUM C	W. MT CARMEL	CYPRESS	18,19-1S-12W	99	2431	3,7	179 33 1017
3923 WM. H. MITCHELL	CHAPMAN=COURTER U	CYPRESS	7,18-1S-12W	60*	2349*	2,1	344 60* 1748*
3882 M AND M OIL CO.	CAMPBELL HEIRS	CYPRESS	7-1S-12W	95*	1004*	1,5	47 55* 640*
*3921 ELMER M NOVAK	MT CARMEL U	CYPRESS	17-1S-12W		1763		129
3862 WILLIAM PFEFFER	BAIRD=SCHULER	BIEHL	20-1S-12W		160		12* 142*
3922 SHELL OIL CO.	MT CARMEL U	BIEHL	17,18-1S-12W	170	14686	10,7	1052 140 11986
		CYPRESS					
*3924 SKILES OIL COMP.	W MT CARMEL	TAR SPRINGS	18,19-1S-12W		895		138 513
3863 WAYNE SMITH, OP.	MT CARMEL UNIT	BIEHL	21-1S-12W	*	4685	*	320 * 2849
		CYPRESS					
3889 SO. TRIANGLE CO.	NORTHEAST MT CARMEL U	BIEHL	16,21-1S-12W	576	6168	20,9	430 330 3879
		CYPRESS					
3975 SO. TRIANGLE CO.	BAUMGART=HARE	BIEHL	1-1S-13W, 6-1S-12W	73	916*	3,1	112 32 724*
3897 SUPERIOR OIL CO.	R.V.Z. UNIT	BIEHL INGS	8,9-1S-12W	*	43*	0,1*	370* 5* 841*
		TAR SPRINGS			421*		
		CYPRESS			1936		
3917 TAMARACK PET.	G DUNKEL	BIEHL	5-1S-12W		252		28 42*
3873 TEXACO, INC.	KUHN UNIT	BRIDGEPORT	16-1S-12W		301		50 292*
		CYPRESS			680		
3875 TEXACO, INC.	STEIN UNIT	TAR SPRINGS	5-1S-12W		411		44 178*
		CYPRESS			449		
3876 TEXACO, INC.	GEIGER=STECKLER U	BIEHL	8,9,16-1S-12W	175	4486	7,8	491 175 2932
		TAR SPRINGS					
		CYPRESS					
*3879 TEXACO, INC.	COUCH=NOLLEN	BIEHL	16-1S-12W		279	*	*

in Illinois, 1981—continued

RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER												
FIELD, COUNTY	* PERM * DIL * DATE * DATE * NO, OF * ACRES * SOURCE * TYPE		* SUBSAND * (F)=FRESH *		* GR=GRAVEL * (B)=BRINE *		* PROD=PRODUCED (M)=MIXED *		* SH=SHALLOW *		REMARKS	
PROJ, * DEPTH * NET * POR * (MD)=GRAV * FIRST * ABD, *	NO, * (FT) * PAY * (%) * * (API) * INJ, *	* INJ, * PROD, *	* INJ, *	* PROD, *	* SH=SHALLOW *							
MAUNIE N C, WHITE CONTINUED												
4356	3050	8,0						3	3	80		
*4220	2900	12,0						9	8	170	RIVER GRAVEL (F)	*ESTIMATED
*4272	2950	13,0	15,4	37	38,0	10-58	10-66	12	12	310	GRAVEL BED (F)	*ESTIMATED 1965-66
4364	1350	10,0				08-64		2	12	40	RIVER GRAVEL (F)	*EST, SINCE 1960
	2800	15,0								320		
	2950	15,0								140		
	3020	4,0								50		
*4405	2850	10,0				06-65	01-67	1	2	30	PENN SD (B)	
	2940	10,0						1	2	30		
MAUNIE S C, WHITE												
4213	1390	7,0				12-70		1	1	20	PRODUCED (B)	*ESTIMATED
	2010	13,5				02-53	12-70	39	23	630		*INC B'PORT, TAR SPR, AUX VASES
	2240	4,0				09-71		1	1	20		
	2850	9,0				09-71		1	1	20		
*4230	2270	14,0	19,0	612	37,3	08-47	12-57	12	13	230	GRAY, PROD (M)	*INCL PRIM PROD, 8-47 TO 12-57
*4239	2275	14,0				11-55	01-58	2	5	70	GRAY, PROD (M)	*INCL PRIM PROD
*4268	2275	14,0	17,0	550	37,0	11-49	12-54	3	2	50	SH GRAVEL (F)	
4273	2590	4,7	15,5	44	36,2	02-64		2	6	180	PENN SD, PROD (B)	*INJECTION CURTAILED 1973
*4265	2000	8,0				06-57	12-67	2	4	60	PENN SD, PROD (B)	
	2200	10,0						6	8	150		
MELROSE, CLARK												
* 227	845	9,0	17,0	20	34,8	12-60	08-62	5	6	105	SH SAND (F)	
MILETUS, MARION												
2632	2150	8,0				10-66		1	1	20	PRODUCED (B)	*ESTIMATED
MILL SHOALS, HAMILTON, WAYNE, WHITE												
4410	3225	12,0				11-65		3	4	70	GRAVEL (F)	*ESTIMATED SINCE 1973
4059	3250	16,0				6-70		1	3	40	PRODUCED (B)	*EST, +INCL PRIM, SINCE 70
*1971	3220	15,0				01-71	09-76	*	1	40		*ADJACENT TO ACTIVE WF +EST
*1505	3243	11,0				09-56	12-62	1	2	30	HARDINBURG (B)	*DUMP FLOOD
4352	3220	21,0	20,0	195	39,0	06-62		1	3	200	GRAY, PROD (M)	*ESTIMATED 1976-80
4386	3220	18,5	18,5	75	39,0	08-64		3	6	188	CREEK, PROD (M)	*EST, 1976-1977+TEMP, UISC,
4133	3235	25,0				07-67		3	5	140	SH SD, PROD (M)	*ESTIMATED SINCE 1975
1569	3200	15,0				04-71		2	2	80	SH GRAVEL (F)	
4279	3200	15,0				10-69		1	1	130	SHALLOW SD (F)	
*4411	3250	12,5	19,6	125	38,3	03-65	07-69	5	8	225	CREEK, PROD (M)	
4183	3212	18,0	22,0	130	37,0	08-64		2	4	30	GRAY, PROD (M)	
4337	3200	19,0	15,8	58	36,0	09-61		1	3	200	GRAY, PROD (M)	
*1506	3245	11,0	21,0			05-52	12-65	10	4	170	GRAVEL BED (F)	*ESTIMATED 1961-65
*4442	3210	18,0				6-58	12-77	*	5	60		*ESTIMATED; *ADJ, TO ACTIVE WF
*4363	3200	22,0	21,0			08-62	05-69	13	8	220	GRAVEL BED (F)	
*4397	3240	19,0				09-65	1-77	7	8	376	SH SD (F)	
MODE, SHELBY												
3802	1770	10,0	15,0			12-61		5	9	160	PRODUCED (B)	*INCL PRIM PROD +EST
MONTROSE N, CUMBERLAND												
708	2488	10,0				02-71		1	1	40	CVP SAND (B)	*INJ, SUSPENDED 1-75
MT CARMEL, WABASH												
3855	1480	9,0				07-70		*	2	50	*	*ADJACENT TO ACTIVE WF
	1980	6,0						*	1	30		
3864	2070	7,0				05-67		1	2	40	PENN SD (B)	
*3918	2307	8,0				10-57	12-74	3	6	75	PRODUCED (B)	
*3941	2050	12,0				04-53	12-57	1	4	50	SH SD (F)	
*3946	1375	16,0				02-50	12-59	1	2	30	PROD, FRESH (M)	
*3919	2000	14,0				08-55	12-61	3	4	70	PENN SD (B)	
*3956	2000	12,0				10-57	02-62	4	5	100	SH SD (F)	*ESTIMATED
*3884	1766	10,0				05-64	04-67	1	1	10	PRODUCED (B)	
*3854	1980	7,0				07-70	07-80	*	2	30		*ADJ TO ACTIVE WF
*3872	2010	11,0				01-64		*	2	20		*ADJ, TO ACTIVE WF/INJ, DISC,
3983	1450	13,0	18,0	200	35,7	09-61		4	7	120	RIVEN, PROD (M)	*INJ, SUSP+EST
	1950	7,2	16,0	34	37,4			7	7	243		
3849	1890	12,0				09-73		1	5	70	PRODUCED (B)	*ESTIMATED
*3887	1995	15,0				11-63	01-74	1	1	20	SH SD, PROD (M)	*INJ SHUT DOWN 7-71
3890	1510	8,0				11-63		4	4	136	SH SD, PROD (M)	
	1670	10,0								50		
	2020	24,0								135		
3977	2046	10,0	17,0	83	35,0	09-61		3	3	80	SH SD (F)	
3923	2050	19,0	18,5	159	37,0	01-55		3	3	75	PRODUCED (B)	*ESTIMATED
3882	2030	11,5	17,2	32	36,0	07-64		2	4	60	SH SD, PROD (M)	*ESTIMATED
*3921	2140	13,0				07-54	12-61	6	15	234	SH SD, GRAV (F)	
*3862	1475	10,0				07-67	01-74	2	3	60	PRODUCED (B)	*ESTIMATED
3922	1500	16,0	19,0	182	39,2	07-54		3	8	140	WABASH RIVER (F)	
	2075	12,5								570		
*3924	1730	6,0				10-55	07-63	3	3	70	PRODUCED (B)	
3863	1450	16,0	17,0	100	39,0	12-67		10	10	200	GRAVEL BED (F)	*DATA N/A 1981
	2000	10,0	18,0	150				12	12	210		
3889	1475	7,0	18,0	165	32,4	07-70		14	12	310	RIVER GRAVEL (F)	
	1980	9,0	19,0	250	36,3			4	5	230		
3975	1660	14,0				11-69		4	3	60	PRODUCED (B)	
3897	1548	8,0	18,8	338	36,0	07-77		*	1	80	RIVEN GRAV (F)	*WELL SHUT IN 11-80+INCL ALL PAY
	1704	11,6	18,9	221	34,8	06-71						
	2010	11,0				06-63						
*3917	1500	6,7	15,3	310	36,6	06-52	01-58	2	3	70	SH SD, GRAV (F)	*DATA FOR 1954 EST
*3873	1350	10,0				07-64	10-68	2	1	30	GRAY, PROD (M)	*INCL BOTH PAYS
	1900	12,0						4	5	111		
*3875	1710	12,0				04-64	05-69	1	2	40	SH SD, PROD (M)	*INCL BOTH PAYS
	2010	11,0	17,0	29		04-64		2	1	73		
3876	1490	18,0				03-64		4	6	182	SH SD, PROD (M)	
	1690	8,5	18,9	79								
	2000	7,8	17,0	82								
*3879	1490	14,0				03-64	04-68	1	1	50	SH SD, PROD (M)	*INCL WITH 3880

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBLs)				
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER	OIL	WATER	INJECTION	PRODUCTION	PRODUCTION
PROJECT NO., OPERATOR	U = UNIT		S - T - R				TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.
* = ABD							1981 * 12/81	1981 * 12/81	1981 * 12/81
* = P.M.									

MT CARMEL, WABASH
CONTINUED

3880	TEXACO, INC.	COUGH-NOLLER	CYPRESS	16-18-12W			227			79
3925	TEXACO, INC.	STEIN LEASE	TAR SPRINGS	8-18-12W			327	16		138
			CYPRESS				263	100		
NEW HARMONY C, EDWARDS, WABASH, WHITE										
4283	ABSHER OIL CO	CALVIN-MON UNIT	TAR SPRINGS	9-48-14W	5*	441*	0.5	442	5*	3115*
			CYPRESS							
			BETHEL							
			AUX VASES							
4313	ABSHER OIL CO	C. HUGHES	CYPRESS	17-48-14W	160*	7488*	8.3	560	160*	4924*
			BETHEL							
			AUX VASES							
4335	ABSHER OIL CO	BRAMLEYT	BETHEL	17-48-14W	400+	2169+	23.4*	183*	400+	2281**
4398	ABSHER OIL CO	BRAMLEYT	CYPRESS	17-48-14W	90*	2442*	2.3*	334	90*	1516*
			BETHEL							
*3926	ASHLAND O AND R	N MAUD(WALLACE A,B)	BETHEL	5,6,7,8-28-13W		715		165		156
*3927	ASHLAND O AND R	RAVENSTEIN	BETHEL	32-18-13W		99		59		8
3657	JOHN L. AULVIN	SETLER	WALTERSBURG	26,27-18-13W	40*	1150*	1.2	71	40*	1137*
			HARUNSBURG							
			BETHEL							
3688	N. A. BALURIDGE	STEKL U	BETHEL	16,17-18-13W	25*	716*	0.5	50	25*	527*
4293	BARGEN ENG	FORD 'B'	CYPRESS	21-48-14W	36	2460*	6.8	327	53	2007*
			BETHEL							
			AUX VASES							
3851	FRANCIS BEARD	SMITH,SL8,SHEARER,WAR	TAR SPRINGS	32,33-1N-13W	425*	6055*	24.0	440+	425*	6055*
4274	FRANCIS BEARD	J,J. BOND	CYPRESS	8-48-14W	70*	5796*	3.8	528	70*	2993*
			BETHEL							
			AUX VASES							
4316	BELL BROTHERS	SKILES	CYPRESS	16-48-14W	48	2394	2.6	284	48	1094
			BETHEL							
			AUX VASES							
3845	ALENE BLADES	W,RABER	BETHEL	18-28-13W	25*	210*	4.0	36	25*	210*
4426	C. E. BREHM	JUMNSN-STALLINGS-FOND	CYPRESS	5-58-14W	35	535	4.6	142	30	530
3987	W. E. BRUBECK	EPLER	CYPRESS	5,6-38-13W	11	555	5.5	81	4	268
			BETHEL							
			AUX VASES							
*4219	CALSTAR PET.	FORD 'B'	SPAR MTN							
3891	R. G. CANTRELL	SCHRODT STATION S U	BETHEL	21-48-14W		1113		104		
3980	DELL CARROLL	FRIENDSVILLE FIELD	CYPRESS	3-28-13W		1085	0.3	74		295*
*3982	CENTRAL EXPLR CO	FRIENDSVILLE U	CYPRESS	11-18-13W		345		80		134
4303	CONYERS OIL WELL	ALLEN GRAY 'M' C	CYPRESS	2,11-18-13W		2158*		328*		783*
4312	CONYERS OIL WELL	FITTON 'A' UNIT	AUX VASES	20-48-14W	30**	344**	14.1	112		
3963	COY OIL CO	KERWIN U	AUX VASES	29-48-14W	220*	1572*	22.4	167	220*	1020*
			RIEHL	14,15,22-38-14W	100**	8548**	6.9*	1318*	100*	3157**
			BETHEL							
			AUX VASES							
*4338	COY OIL CO	GRAY	AUX VASES	20-48-14W		90				
4339	COY OIL CO	GRAY	AUX VASES	20-48-14W		814		105		454*
*4368	COY OIL CO	B. K. GRAY	BETHEL	20-48-14W		150		*		*
			CYPRESS	17-48-14W		1958		288		898
			BETHEL							
			AUX VASES							
*4286	ALVA C. DAVIS	CALVIN GRIFFITH C	BETHEL	8-48-14W		285		31		216
			AUX VASES			452		108		476
*3994	B. K. DUNCAN	DUNKEL	CYPRESS	11-18-13W		115		12		36
4227	FARKAR OIL CO.	BOWMAN'S BEND UNIT	TAR SPRINGS	16,21-58-14W		10295		2478		6691*
4280	FEAK AND DUNCAN	FURU UNIT	DEGUNIA	7,8-58-14W	170*	2543*	23.7*	934*	110**	2475**
			WALTERSBURG	8-58-14W	30*	511*				
			BETHEL	7,8-58-14W		27				
			AUX VASES	7,8-58-14W		2619				
3935	FISK & FISK	D G UPDEGRAFF 'A'	CYPRESS	14-38-14W	1518*	11248*	25.3*	1775*	1518*	17292*
			BETHEL							
			MCCLOSKEY							
3929	G R COMPANY	SHULTZ	CYPRESS	7-38-13W		2693		175**		1982**
3930	G R COMPANY	SHULTZ	CYPRESS	7-38-13W		816		+		+
3878	V. R. GALLAGHER	DUNN	CYPRESS	11-38-14W	65*	358*	8.9	51	65*	328*
4330	V. R. GALLAGHER	GNEATHOUSE-WALT, UNIT	WALTERSBURG	32-48-14W		102		122		40
4392	GALLAGHER DRILLING	CALVIN WATERFLOOD C	AUX VASES	22-48-14W	20*	883	3.9	201	10*	186
3907	T. W. GEORGE EST.	EAST MAUD	BETHEL	32,33-18-13W		96		55		
*3947	T. W. GEORGE EST.	EAST MAUD	CYPRESS	32,33-18-13W		31		55		
3976	T. W. GEORGE EST.	E MAUD	WALTERSBURG	22,27-18-13W	*	712	0.9	189	6	219
			BETHEL			352		16		32
3874	GETTY OIL CO	KEENSBURG U	RIEHL	16,17,20-28-13W	1453	27550	46.9	1830	1020	14177
			CLORE							
			CYPRESS							
			BETHEL							
4433	GETTY OIL CO	E,S, DENNIS "A"	MCCLOSKEY	33-48-14W	170	2812	10.4	85	167	947
			ST LOUIS							
3844	H AND H OIL CO	J,R,SCHRODT	BETHEL	20,29-28-13W	10	384*	1.1	45	4	344*
3988	H AND H OIL CO	WALTERS	TAR SPR	23-18-13W	140*	2190*	6.4	165	140*	2145*
4242	H AND H OIL CO	O. R. EVANS	RIEHL	4,5-48-14W	50*	9719*	1.8	772	50*	686*
			CYPRESS							
			BETHEL							
			AUX VASES							
4354	H AND H OIL CO	WABASH RIVERBED U	MCCLOSKEY	33-38-14W	70**	3353**	2.0*	234*	70**	2291**
			RIEHL							
			CYPRESS							
			AUX VASES							
1022	MUMMON OIL CO.	BROSTER	BETHEL	34-28-14W	60*	1990**	4.6	263*	60*	1990**
*3955	IND. FARM BUR.	LANDIS-GOING	CYPRESS	3-28-13W		62		11		108
3856	J&H OIL CO	SCHAUF	CYPRESS	30-28-13W	*	*	14.3	153	90*	920*
*3842	F. JAMES	WADDLE	CYPRESS	32-18-13W		+		19**		+
			BETHEL							
3933	JUNIPER PETROLEUM C	E MAUD	CYPRESS	32,33-18-13W	87	8235	6.4	821	71	4138
			BETHEL	4,5-28-13W						
3934	JUNIPER PETROLEUM C	W MAUD	BETHEL	32-18-13W		2240		497		393
*3956	JUNIPER PETROLEUM C	COWLING-RABER	BETHEL	17-28-13W		109		19		26

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RESERVOIR STATISTICS (AV. VALUE)		DEVELOPMENT AS OF 12-31-81				INJECTION WATER					
FIELD, COUNTY	PERM DIL	DATE	DATE	WELLS	ACRES	SD=SAND	(F)=FRESH				
NO. (PT)	PAY (X)	(API) INJ	INJ	INJ	INJ	PROD=PRODUCED	(M)=MIXED				REMARKS
	(FT)					SH=SHALLOW					
MT CARMEL, WABASH											
CONTINUED											
*3800	1990	12.0		35.0	03-64	04-68	1	1	50	SH SD, PROD (M)	*INCL 3879
*3925	1710	12.0	18.9	221	03-64	08-67	3	1	116	SH SD, PROD (M)	
	2010	11.0	17.0	29			3	1	73		
NEW HARMONY C, EDWARDS, WABASH, WHITE											
4283	2350	9.0			01-59		1	2	30	GRAVEL BED (F)	*ESTIMATED
	2550	6.0					5	5	100		
	2800	6.0					3	5	80		
	2900	14.0					6	6	120		
4313	2560	17.0		37.0	11-60		4	2	80	GRAY, PROD (M)	*ESTIMATED
	2700	20.0					4	2	80		
	2820	18.0					4	3	80		
4335	2670	25.0		38.3	11-61		1	2	80	SH SD, PROD (M)	*INCL 4333, 4334; *EST
4398	2592	20.0		37.0	12-63		2	2	40	SH SD, PROD (M)	*ESTIMATED
	2662	20.0					2	2	40		
*3926	2690	6.5	16.0	60	04-56	11-71	4	4	130	GRAY, PROD (M)	
*3927	2690	7.0	7.0	16	05-57	12-66	1	2	20	GRAY, PROD (M)	
3857	1900	10.0			06-66		1	2	40	PRODUCED (B)	*ESTIMATED
	2100	22.0					2	2	40		
	2400	16.0					1	1	20		
3888	2570	12.0	18.9	87	12-69		3	7	100	WATER WELL (F)	*ESTIMATED
4293	2600	9.0		36.0	03-63		1	3	100	PRODUCED (B)	*EST. 1981
	2700	9.0	13.0		03-63						
	2885	10.0	13.0	30	03-63						
3851	2000	20.0			12-60		3	13	130	PRODUCED (B)	*EST; +INCL PRIM PROD SINCE 1960
4274	2585	13.0	18.2	46	08-58		4	4	80	SH SD, PROD (B)	*ESTIMATED
	2705	17.0	16.0	20			5	6	110		
	2820	19.0	17.0	31			6	6	110		
4316	2550	15.0	17.5	38.9	08-61		1	2	126	SH SD (F)	
	2700	12.0	16.8								
	2850	18.0	19.0								
3845	2570	10.0			6-72		1*	2	30	PRODUCED (B)	*ESTIMATED
4426	2608	22.0		36.0	03-66		2	2	80	PRODUCED WATER (B)	
3987	2470	10.0			09-70		1	3	60	SH SAND (F)	
	2635	11.0							40		
	2742	9.0							50		
	2898	4.0							40		
*4219	2695	12.0		37.5	03-53	04-60	1	3	40	GRAVEL BED (F)	
3891	2320	12.0		34.4	10-63		1	4	160	SH SD, PROD (M)	*ESTIMATED; +SND ONLY
*3980	2290	10.0		36.0	02-61	10-66	6	6	120	RIVER GRAY, PROD (M)	
*3982	2300	15.0	16.1	90	02-61	01-72	9	8	170	SH SD (F)	*NO INJ 12/67-6/69; 1971 NO DATA
4303	2844	7.0			04-60		1	1	30	GRAVEL BED (F)	*ESTIMATED SINCE 1968; +SND ONLY
4312	2888	4.0	16.2	25	03-60		1	1	140	GRAVEL BED (F)	*ESTIMATED SINCE 1965
3963	1800	12.0	21.0	200	10-59		6	4	130	GRAY, PROD (M)	*ESTIMATED; +INCL ALL PAYS
	2700	13.0	18.2	40			12	12	310		*INCL BETHEL
	2800	8.0			10-59	12-64					
*4338	2850	20.0	17.0	50	03-60	12-63	6	5	120	SH SD, GRAY (F)	*INCL 4339
*4339	2720	5.0	15.0		03-60	12-63	2	2	50	SH SD, GRAY (F)	*INCL WITH 4338
*4368	2575	10.0	16.2	118	01-63	08-68	4	4	80	GRAY, PROD (M)	
	2790	9.0	14.3	50			2	2	40		
	2900	16.0	18.0	125			4	4	80		
*4286	2680	10.0		33.0	09-59	09-70	2	1	40	GRAY, PROD (M)	*INJ TEMP DISC 12-64
	2855	20.0		36.0	06-60	08-70	1	1	35		
*3994	2100	15.0		36.4	11-62	12-65	1	1	20	SH SD, PROD (M)	
*4227	2260	19.5	17.9	120	12-53	12-78	2	19	200	GRAY, PROD (M)	*ESTIMATED 1970-78
4280	1930	6.0	16.0	50	11-65		5	9	100	GRAY, PROD (M)	*INCL ALL PAYS; *EST
	2244	8.0	18.0	47	08-66		2	3	40		
	2746	5.0	15.0	32	11-65		1	1	20		
	2872	12.7	18.1	43	02-59		4	6	120		
3935	2500	25.0	21.0	200	10-55		2	4	120	PRODUCED (B)	*INCLUDES DATA FOR 79,80, AND 81
	2640	7.0	17.7		06-66		2	2	60		
	2860	4.0			06-64		1	2	60		
*3929	2600	20.0	18.0	50	07-51	12-62	2	5	70	GRAY, PROD (M)	*NO DATA AFTER 1959 +INCL 3930
*3930	2500	10.0	17.0	100	05-52	12-62	1	2	30	SH SD, PROD (M)	*NO DATA AFTER 1959 +WITH 3929
3878	2490	25.0			02-75		1	6	70	RIVER GRAY (F)	*ESTIMATED
*4330	2215	12.0	19.0	140	01-55	09-63	1	1	50	SH SD, PROD (M)	*INCL PRIM PROD 1-55 TO 9-63
4392	2830	20.0	11.7	7	03-63		2	1	100	SH WELL (F)	*EST SINCE 1980
*3907	2500	15.0	17.0	57	07-52	12-56	2	7	90	SURFACE (F)	*INCL PRIM PROD 7-52 TO 12-56
*3947	2400	12.0			01-55	12-57	1	3	40	SURFACE (F)	
3976	1950	5.0	17.8	37.0	12-64			1	30	RIVER GRAY, PROD (M)	*NO INJ 1981
	2410	10.0	17.0	39.0		08-68					
3874	1700	11.0	12.0	82	01-68		19	34	904	SH GRAY, PROD (M)	
	1775	8.0	12.0	56					230		
	2420	26.0	15.0	72					680		
	2550	10.0	12.0	15					500		
4433	2910	12.0	12.0		05-74		1	3	150	PENN SD, PROD (B)	
	3080	26.0	18.0								
3844	1735	9.0		33.0	6-75		1	2	30	PURCHASED (M)	*EST SINCE 1980
3988	1945	12.0			08-68		1	5	60	PRODUCED (B)	*ESTIMATED
4242	1500	17.7	14.7	26	10-57		10	4	110	GRAY, PROD (M)	*ESTIMATED SINCE 1976
	1800	21.0			12-61		5	6	120		
	2660	23.0			12-61		6	5	120		
	2300	19.4			10-49		8	5	170		
	2400	21.2			10-49		4	2	120		
4354	1825	28.0	12.5	20	09-60		8	2	47	SH SD, PROD (M)	*ILL VALUES ARE 21 PER CENT OF TOTAL, REMAINDER IN POSEY CO INDIANA; *EST SINCE 1976
	2530	35.0	19.0	100			1	2	47		*EST, +INCL PRIM SINCE 1953
	2780	29.0	19.2	50			1	2	47		*ADJ. TO PROJ. 1016 SINCE 53
1022	2740	12.0			6-64		2	9*	110	PRODUCED (B)	
*3955	2340	7.0		36.0	03-57	01-60	1	2	20	PRODUCED (B)	
3856	2450	20.0			01-70			3	30		*ADJ TO EXISTING WF +EST
3882	2450	10.0			6-54	12-61		2	30		*EST, +ADJ TO 3933 1954-61
	2570	11.0						2*	30		
3933	2800	8.0	18.5	75	04-52		4	8	170	GRAY, PROD (M)	
	2920	8.5	17.0	97							
*3934	2620	12.0	17.2	57	10-50	01-74	20	26	910	GRAY, PROD (M)	
*3956	2549	15.0		37.0	05-57	12-75	1	1	20	GRAY, PROD (M)	

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBLs)					
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	TOTAL CUM.	TOTAL CUM.	TOTAL CUM.	
PROJECT NO., OPERATOR	U = UNIT	S = T = R		1981 * 12/81	1981 * 12/81	1981 * 12/81	1981 * 12/81	1981 * 12/81	1981 * 12/81	
NEW HARMONY C, EDWARDS, WABASH, WHITE										
CONTINUED										
4416 K W B OIL PROP.	MGMT INDIANA STATE=EVANS	CYPRESS	4=4S=14W	23	250	3.0	70	77	521	
*3841 DAVIS LAMBERT	CLELLA ENALU	BETHEL	32=1S=13W				34**			
3886 HERMAN LOEB	N MAUD U	CYPRESS	13,24=1S=14W	200*	2996*	8.0	327	200*	2779*	
4218 HERMAN LOEB	FORD	OHARA	AUX VASES 20,21,22=4S=14W		239*		465*			
4294 HERMAN LOEB	GRAY 'C', 'M'	TAR SPRINGS	17,20,21=4S=14W	30*	6650*	1.5	882*	30*	4458*	
4305 HERMAN LOEB	FORD 'A'	CYPRESS	BETHEL							
4329 HERMAN LOEB	M.S. DONALD	AUX VASES	WALTERSBURG 16,21=4S=14W	100*	6176*	5.0	447	100*	562*	
3965 LUBOIL COMPANY	HELM C	TAR SPRINGS	CYPRESS							
		BETHEL	AUX VASES							
		BETHEL	21=4S=14W	100*	1377*	6.7	322	100*	627*	
		AUX VASES			1541**					
		BIEHL	22,23,27=3S=14W	87	733**	11.1*	4620*	167*	23230*	
		WALTERSBURG			2306*					
		TAR SPRINGS			1188*					
		CYPRESS			5138*					
		BETHEL			23032*					
		AUX VASES			7088*					
3839 M AND M OIL CO.	MARK	TAR SPRINGS	33=1N=13W			1.4	99	15*	560*	
3866 M AND M OIL CO.	COWLING U	BIEHL	19,20,29,30=2S=13W	100	18277*	5.1	2297	100	10535*	
3959 M AND M OIL CO.	KEENSBURG U	CYPRESS	9=2S=13W		10644*		861*		6500*	
3961 M AND M OIL CO.	A E SCHULTZ 'A'	CYPRESS	8,17=2S=13W	10	2127*	1.0	467*	20	2102*	
3949 MOORE ENG	RABER U	BETHEL		10	2552*					
3843 E. H. MORRIS EST	CENEY	BIEHL	19=2S=13W; 24=2S=14W		1300		89		900*	
3838 MURVIN OIL CO.	KURTZ=JOACHIM	CYPRESS	32=1S=13W				62			
4226 ELMER M NOVAK	CALVIN	BETHEL	8,17=2S=13W		800*		160**		800*	
3861 O H AND F OIL CO	KEENSBURG U	CYPRESS	5,8=4S=14W	80*	2854*	12.3*	2978*	200**	5859**	
3837 OLDS OIL & CHEM.	COLLINS UNIT	BETHEL		40*	3132*					
3932 OLDS OIL & CHEM.	RISLEY ET AL COM.	AUX VASES		80*	11896*					
4276 PAM=ANK	O. SMITH 1,4,11	BIEHL	19=2S=13W	75*	940*	4.1	181*	75*	940*	
		CYPRESS	20=2S=13W	32	185	1.4	7*	7	51	
		BETHEL								
		AUX VASES	21=1S=13W	40	74	0.8	1	7	17	
		RENOUIT	4=4S=14W	50*	1457*	2.0	124	50*	867*	
*4275 POOL OIL CO.	CALVIN CONBLD	CYPRESS	AUX VASES							
		TAR SPRINGS	9,16=4S=14W		10796		1720		7283	
		BETHEL								
		AUX VASES								
3974 PRUDENTIAL OIL	FRIENDS GROVE U	BIEHL	3=1S=13W; 34=1N=13W	55*	3186*	1.1	220	55*	2148*	
3985 PRUDENTIAL OIL	FORT-LEY UNIT	JURDAN								
3967 RK PET. CORP.	COWLING U	CYPRESS	3=1S=13W	37	2287*	0.7	224	37*	2086*	
4317 REBSTOCK OIL CO.	CROSSVILLE LEASE	CYPRESS	23,25,26,35,36=2S=14W		473*		131*		233*	
		BETHEL	20=4S=14W	20*	2854*	1.6	467	20*	1355*	
		AUX VASES								
4393 REBSTOCK OIL CO.	DALY 'A'	CYPRESS	17=4S=14W	250*	3300*	11.3	230	250*	2783*	
4401 REBSTOCK OIL CO.	NATIONAL BANK WF U	BETHEL								
4440 REBSTOCK OIL CO.	LOMAS	TAR SPRINGS	20,29=4S=14W	6*	688*	0.4	181	6*	318*	
*4455 REBSTOCK OIL CO.	07=788	WALTERSBURG	14=4S=14W	*	*	7.2	143	*	*	
		TAR SPRINGS								
		TAR SPRINGS	20=4S=14W				58			
		AUX VASES								
3870 HUBERT ROSE	MAUD NW UNIT	WALTERSBURG	27,34=1S=13W		2068*		209		1100*	
3893 HUBERT ROSE	MAUD U	WALTERSBURG	34,35=1S=13W	50	2024*	2.0	392	50	1380*	
3995 HUBERT ROSE	J.W. WEISINGER	CYPRESS	4=2S=13W		281		107*		281*	
3962 ROSSI OIL CO.	4 W	CYPRESS	26=1S=13W	50*	1251	8.5	278	50*	1251	
3892 ROYALCO, INC.	SCHRODT STATION MID U	CYPRESS	34,35=1S=13W		560		123		214	
*4300 ROYALCO, INC.	REEVES UNIT C	CYPRESS	28=3S=14W		2656		161		976	
		AUX VASES								
3895 J. W. RUDY ORLG.	EPLER FLOOD	MCCLOSKEY	WALTERSBURG		1356		294*		937*	
1009 SCHROEDER & SNYDER	J SCHROEDER	BETHEL	22,27=2S=14W	90*	1679*	4.7	102*	90*	1227*	
3931 SCHROEDER & SNYDER	SIEGERT BOTTOMS	BETHEL	2,3,10=3S=14W	25*	4972*	1.1*	834*	25*	2247*	
			34,35=2S=14W							
3928 SHAKESPEARE OIL	BRINES U	BETHEL	17,20,21,28,29=1S=15W		875		1457		5255	
4216 JOE SIMPKINS OIL	MUN=BUMP=CRAWFORD	CYPRESS	32,33=3S=14W; 5=4S=14W	80*	3660*	14.3*	803*	200**	5552**	
		BETHEL		40*	602*					
		AUX VASES		80*	3654*					
*4217 JOE SIMPKINS OIL	ARROW=MC BRIDE ETAL	MCCLOSKEY	32,33=3S=14W; 5=4S=14W		762		1			
4320 JOE SIMPKINS OIL	BOULTINGHOUSE	TAR SPRINGS	9,16,17=4S=14W		12037		772*		9097*	
		CYPRESS								
		SAMPLE								
		BETHEL								
		AUX VASES								
*1016 SKILES OIL CORP.	SIEGERT BOTTOMS	CYPRESS	34=2S=14W		62					
*3957 SKILES OIL CORP.	BROSTER 'F'	CYPRESS	35=2S=14W		186		36		42	
*4222 SKILES OIL CORP.	SMITH=DAVENPORT	CYPRESS	15=4S=14W		147		4		2	
*4287 SKILES OIL CORP.	CALVIN=GRIFFIN	CYPRESS	8=4S=14W		1				27	
		BETHEL			109		4		23	
		AUX VASES								
3997 SOHIO PETROLEUM	UPDEGRAFF 'A'	WALTERSBURG	14=3S=14W		429		104		187	
3840 SO, TRIANGLE CO.	TOWNSEND=WOLFE	WALTERSBURG	14=1S=13W	30*	295*	4.0	47	30*	295*	
3877 SO, TRIANGLE CO.	SOUTH FORDICE U	BETHEL	6,7,8=1S=13W	81*	1100*	7.8	117	105*	1146*	
3896 SPANTAN O AND G	R. HAASE ET AL	OHARA	14=1S=13W	57	119	13.9	22	57	119*	

in Illinois, 1981—continued

***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER *****												
FIELD, COUNTY	NO.	DEPTH (FT)	NET PAY (FT)	POR (%)	PERM (MD)	OIL GRAV	DATE FIRST INJ.	DATE ABD.	NO. OF WELLS	ACRES UNDER	SD=SAND (F)=FRESH (H)=BRINE (M)=PRODUCED (M)=MIXED (S)=SHALLOW	REMARKS
NEW HARMONY C, EDWARDS, WABASH, WHITE												
CONTINUED												
4416	2698	30.0	18.0	150			07-67		1	1	20	PENN SD, PROD (B)
*3841	2573	12.0					6-54	12-60	+	3	30	+ EST,+ADJ,TU ACTIVE PROJS 54-60
3886	2500	11.0	16.5	115	37.0		06-64		2	6	100	PRODUCED (B) *ESTIMATED
	2850	9.0							1	4	80	
4218	2840	18.3	15.0	20	33.1		01-56		1	2	200	SH SD (F) *EST; NO DATA SINCE 1968
4294	2220	10.0					05-60		3	2	50	GRAVEL BED (F) *ESTIMATED + OPERATOR
	2580	11.0							7	5	120	REPORTS LITTLE OIL FROM CYPRESS
	2700	9.0							4	3	70	AND BETMEL
	2840	18.0							9	9	180	
4305	2140	8.4	19.0		37.5		11-60		2	1	40	GRAVEL BED (F) *ESTIMATED
	2200	9.3	15.5						1	2	40	
	2580	13.3	18.0	32					4	2	80	
	2700	14.7	18.0						1	2	30	
	2820	15.5	15.0	20					5	5	100	
4329	2695	9.0	15.0	15	37.0		09-61		2	4	60	GRAV, PROD (M) *EST; +NO INJ. 1978
	2830	20.0	14.0	23	37.0				2	3	105	
3965	1800	15.0					06-59		3	19	40	GRAVEL BED (F) *INJ,DISC,1976-80;+INCL ALL PAYS
	2115	25.0	20.1	171			12-50	09-64			80	#CUM,THROUGH 1976
	2150	20.0	17.1	44			04-61				80	
	2335	9.0					11-52				240	
	2640	14.0	17.1	44			12-51				255	
	2640	14.0	17.1	44			12-51				260	
3839	2020	8.0					7-62		+	2	40	+ *EST+ADJ,TO ACTIVE WF SINCE 1960
3866	1700	8.7	19.6	126	37.0		01-65		5	11	526	SH SD, PROD (M) *EST,SINCE 1960
	2460	11.1	19.2	59	37.0						801	
3959	2420	22.0	20.0	200			11-58		4	6	270	GRAV, PROD (M) *DATA N/A 1981
3961	2424	12.0	19.3	268	38.0		03-59		3	5	100	SH SD, PROD (M) *EST,1972-78
	2540	20.0									100	
3949	1740	15.0	20.6	39	37.0		10-56		1	4	50	SH SD (F) *NO PROD 1981;+EST 1958-80
*3843	2450	13.0					6-54	12-60	+	4	40	+ *EST,+ADJ,TU PROJS, 393483907-
	2568	21.0							+	4	40	1954-1960
*3838	2440	13.0					6-64+	8-72	2	5	80	PRODUCED (B) *EST,NO DATA RECEIVED
	2580	20.0							2	5	80	+ADJ TO 3961 1959-72
4226	2550	10.0					06-57		6	9	180	RIVER GRAVEL (F) *ESTIMATED; +INCL ALL PAYS
	2660	10.0					11-52		3	4	80	
	2800	15.0					11-52		8	8	160	
3861	1718	12.0			35.9		01-68		1	3	40	PRODUCED (B) *EST; +INCL PRIM PROD SINCE 1-68
3837	1404	12.0					3-76		1	2	40	SH,SD,(F) *INCL PRIM PROD SINCE 1976
	2474	10.0									40	
3932	2555	30.0			35.0		1-80		1	1	40	SHALLOW WATER WELL(P)
4276	2550	14.0					06-59		3	4	80	SH SD, GRAY (F) *ESTIMATED
	2680	16.0							1	3	50	
	2807	24.0							1	2	40	
*4275	2210	10.0	7.0	50			09-58	03-74	2	2	50	SH SD, PROD (M)
	2575	6.5							4	4	80	
	2700	11.0							10	12	230	
	2810	18.0							10	11	210	
3974	1716	18.0					03-61		2	3	120	GRAV, PROD (M) *ESTIMATED 1972-80
	1761	16.0	18.0	61								
	2269	13.0										
3985	1710	8.0	15.0	75	32.0		03-61		1	2	70	SH SD, PROD (M)
	2310	14.0	16.0	50				12-64	3	2	60	
*3967	2550	22.0	15.0	36	38.4		08-60	07-70	7	4	160	SH SD, PROD (M)
4317	2578	19.0			36.0		04-61		1	1	20	SH SD, PROD (M) *ESTIMATED
	2672	19.0							1	1	20	
	2845	18.0							2	2	40	
4393	2580	10.0			36.0		07-63		1	1	20	SH SD, PROD (M) *ESTIMATED
	2680	13.0							1	2	40	
	2830	10.0							1	2	40	
4401	2330	8.0					04-64		3	5	90	SH SD (F) *ESTIMATED
4440	2200	20.0					01-68		+	4	40	*ACCIDENTAL OR DUMP F *EST;+ACCIDENTAL OR DUMP FLOOD
	2125	12.0							+	2	20	
*4455	2370						6-60	07-78	+	3	30	PRODUCED (B) *ADJ TO 4317/4294 SINCE 60
	2966								+	1	10	
3870	1937	16.0	16.0	200			02-65		5	2	200	SH SD, PROD (M) *ESTIMATED +DATA N/A SINCE 1977
3893	1937	8.0	16.0	320			11-63		3	3	70	GRAV, PROD (M) *ESTIMATED
	2248	8.0	18.8	83					4	4	80	
*3995	2413	9.0					06-62	12-76	1	1	10	PRODUCED (B) *ESTIMATED
3962	2303	14.0			35.0		10-59		1	5	60	PRODUCED (B) *EST,SINCE 1980
*3892	2320	12.0			33.9		10-63	05-70	5	6	180	SH SD, PROD (M) *EST 1965-67 DATA ONLY
*4300	2598	18.0			35.6		01-61	01-72	5	4	150	SH SD, PROD (M)
	2800	13.0					01-61	01-69	1	2	20	
	2910	10.0					01-61	01-69	1	2	60	
*3895	2075	16.0	20.0	140	36.8		04-63	12-76	3	4	70	PENN SD, PROD (B) *ESTIMATED 1976 DATA
1009	2730	20.0					02-69		2	9	130	PENN SD (B) *ESTIMATED +INCL PRIM SINCE 2-69
3931	2680	18.0	17.0	75	36.0		10-51		6	9	150	GRAV, PROD (M) *ESTIMATED SINCE 1976; +SWD ONLY
*3928	2600	17.0	16.0	35	35.0		08-56	02-69	35	32	524	SH SD, PROD (M)
4216	2600	9.0	15.0	6	35.0		09-56		12	8	240	GRAVEL BED (F) *ESTIMATED; +INCL ALL PAYS
	2650	11.0							3	2	60	
	2800	14.3							9	11	200	
*4217	2900	9.4			34.5		09-56	12-59	4	7	120	GRAVEL BED (F)
*4320	2200	15.0			36.0		11-59	1-77	3	2	50	GRAVEL BED (F) *ESTIMATED
	2580	11.5	17.0	30					13	13	260	
	2690	10.0	11.0	13					3	3	60	
	2710	15.0	11.0						3	2	60	
	2830	18.0	20.0						15	15	320	
*1016	2566	12.0					08-58	02-62	1	2	30	GRAV, PROD (M)
*3957	2531	13.0	17.0	20	39.5		10-56	04-66	1	20	20	GRAV, PROD (M)
*4222	2630	10.0	17.7	145			05-55	10-57	1	2	30	TAR SPR, PROD (B)
*4287	2552	10.0					09-59	12-62	1	2	30	GRAV, PROD (M)
	2670	21.0							2	2	40	
	2800	20.0							2	1	30	
*3997	2770	10.0	19.0				06-62	12-76	2	6	100	PRODUCED (B) *INJ,SUSP,1972
3840	1870	10.0					8-73		1	3	40	PRODUCED (B) *ESTIMATED
3877	255	14.0					02-74		7	15	480	PRODUCED (B) *ESTIMATED
3896	2550	2.9	13.9		37.0		10-79		2	5	40	WELL (F) *ESTIMATED

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBL/S)				
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	TOTAL CUM.	TOTAL CUM.	TOTAL CUM.
PROJECT NO., OPERATOR	U = UNIT		S = T = R				1981 * 12/81	1981 * 12/81	1981 * 12/81
* * * ABD									
* * * P, M,									
NEW HARMONY C, EDWARDS, WABASH, WHITE									
CONTINUED									
3960 SPAHTAN O AND G	BELMONT NORTH UNIT	SALEM	18-13-13W	50	295+	7.3	63	50*	242*
*3885 STONE OIL CO	AKIN FLOOD	CYPRESS	7-3S-13W		1076		72		453
		AUX VASES							
		MCCLOSKEY							
*4223 SUN OIL CO.	GREATHOUSE	MCCLOSKEY	33-4S-14W, 4-5S-14W		1088		129		227
*4269 SUN OIL CO.	FURD 'A' WATERFLOOD	MCCLOSKEY	18-5S-14W		58		13		1
*4235 SUPERIOR OIL CO.	KERN-HON UNIT	TAR SPRINGS	32,33-4S-14W		1986		536		891
4236 SUPERIOR OIL CO.	NEW HARMONY FIELD U	AUX VASES	21,27,28,29,32,33,34-4S-14W,3,4,5-5S-14W	50	16753+		*		*
4237 SUPERIOR OIL CO.	NEW HARMONY FIELD U	BETHEL	26,27,28,29,32,33,34-4S-14W,3,4,5-5S-14W		32464+		*		*
4238 SUPERIOR OIL CO.	WALTERSBURG SAND UNIT	WALTERSBURG	4,5,9-5S-14W	478*	21929*	16.1**	1665**	522**	3520**
4302 SUPERIOR OIL CO.	N.H.R. UNIT	TAR SPRINGS	9-5S-14W	4	385		3.0		22
4311 SUPERIOR OIL CO.	NORTHEAST UNIT	WALTERSBURG	14,22,23,26,27,34-4S-14W	353	1525		95.3*	2478*	1299*
		TAR SPRINGS	14W	378	2198*				16536*
		CYPRESS		688	13455				
		BETHEL			266#				
		AUX VASES			1836#				
4326 SUPERIOR OIL CO.	M. E. GIVEN	MCCLOSKEY	33,34-4S-14W	1439	5832*	20.4	206+	682	3539+
		ST LOUIS		263	666	16.9	76	58	333
		JAMESTOWN	27,28,29,32,33,34-4S-14W		1691				
4390 SUPERIOR OIL CO.	NEW HARMONY FIELD U	CYPRESS	14W, 3,4,5-5S-14W	4703*	74310*	234.2	16459	4601	73285
4391 SUPERIOR OIL CO.	NEW HARMONY FIELD U	WALTERSBURG	27,28,29,32,33,34-4S-14W	1408	15096		*	*	*
		TAR SPRINGS	14W,3,4,5-5S-14W	194	5246		*	*	*
4454 SUPERIOR OIL CO.	SOUTHWEST UNIT	MCCLOSKEY	33-4S-14W,3,4-5S-14W	481	2968	35.3	151	55	267
		ST LOUIS			348				
3948 A. K. SWANN	HEIL	CYPRESS	7,18-3S-13W	94	3389	11.0	741	75	1339
*4333 TEXACO, INC.	BRAMLETT	TAR SPRINGS	17-4S-14W		163		*	*	*
*4334 TEXACO, INC.	BRAMLETT	CYPRESS	17-4S-14W		443		*	*	*
*4371 TEXAS AMERICAN	FURD	AUX VASES	21-4S-14W		229		131		44
3910 UNIVERSAL OPRNG	PARMENTER	CYPRESS	5-2S-13W	15*	349*	2.1	37	15*	349*
		BETHEL							
3986 UNIVERSAL OPRNG	RUMP	CYPRESS	4-2S-13W	150*	2745*	21.2	28	150*	2725*
		BETHEL							
4499 VIKING OIL	GREG KEMPF	WALTERSBURG	18-5S-14W	27	27	25.9	26		
4290 WABASH OIL	M E GLAZE COOP	TAR SPRINGS	8,17-4S-14W		443*	9.8*	654*	90*#	2986*#
		CYPRESS			366*				
		BETHEL			2352*				
		AUX VASES			1207*				
4341 WEST DRILLING CO	D. EVANS	MCCLOSKEY	4-4S-14W	30*	1521*	1.1	159	30*	401*
1028 GEORGE WICKHAM	SCHROEDER	WALTERSBURG	26,27-2S-14W		1942		285*		528*
		CYPRESS							
*3981 CHARLES P. WOOD	G A STUKMAN	RIEHL	10-1S-13W		398		76		119
		CYPRESS							
NEW HAVEN C, WHITE									
*4247 ATLANTIC RICHFLD	NEW HAVEN U	TAR SPRINGS	17,18,19,20-7S-11E		1844		696		73
		CYPRESS							
4351 FRMERS PETR COOP	WASEM	TAR SPRINGS	24-7S-10E		590		22		155
*4388 FRMERS PETR COOP	DEAD RIVER UNIT	TAR SPRINGS	13,18-7S-10E		828		452		336
4289 JUNIPER PETROLEUM C	GREATHOUSE ISLAND U	TAR SPRINGS	7-7S-11E, 7-7S-14W	20*	607*	1.0*	54*	13*	201*
		CYPRESS							
4278 SUN OIL CO.	G.N. BOETTICHER	CYPRESS	19-7S-11E	101	466	11.4	220	109	465
NEW MEMPHIS, CLINTON									
417 ELMER DELZE	NEW MEMPHIS SEC.REC.	DEV-SIL	33,34-1N-5W,3,4-1S-5W	500*	9515*	23.7	467	500*	7195*
OAKDALE, JEFFERSON									
2029 FAIRWAY PETROLEUM	MURKELL-NOVAK	AUX VASES	11,14,15-2S-4E		1295		85*		1295*
*2014 TEXACO, INC.	GREEN-VANDERHEID	AUX VASES	12-2S-4E		554		17		247
OAKDALE N, JEFFERSON									
2018 FRMERS PETR COOP	NORTH OAKDALE UNIT	MCCLOSKEY	3-2S-4E	140	1924	1.9	352	175	1818
OAK POINT, CLARK, JASPER									
* 223 M AND E DRLG. CO	B. PINNEY	AUX VASES	31-9N-14W		73		7		81
* 225 M AND E DRLG. CO	PINNEY-PING-WARD	AUX VASES	30,31,32-9N-14W	40*	4205*	2.1	211	40*	3684*
ODIN, MARION									
2600 DORAN OIL PROP.	ODIN UNIT	CYPRESS	1,12,13-2N-1E,6,7,16-2N-2E	423	9077*	2.8	1377*	423	814**
OLD RIPLEY, BOND									
6 FARNAM OIL CO.	RIPLEY U	PENN	21,28-5N-4W	18	1258*	0.5	96	18	455*
OLNEY C, JASPER, RICHLAND									
*3426 BELL BROTHERS	DUNDAS SOUTH UNIT	SPAH MTN	3,10-4N-10E		4020		226		3090
3435 D T DRILLING	NORTH OLNEY U	SPAH MTN	28,32-4N-10E		330		31*		81*
*3407 GULF OIL CO	EAST DUNDAS UNIT	MCCLOSKEY	25,26,35,36-5N-10E		953		152		207
1903 ILL. LSE. OP.	BESSIE	MCCLOSKEY	23-5N-10E		291		44*		225*
*3414 J. W. RUDY DRLG.	STIFF	MCCLOSKEY	34-5N-10E		159		33		54
*1904 SOMID PETROLEUM	DUNDAS EAST UNIT	OMAHA	14-5N-10E		2003		142		1378
*3408 TEXACO, INC.	EAST OLNEY	MCCLOSKEY	23,24,25,26-4N-10E		3834		269		1286
3420 TEXACO, INC.	OLNEY WATER FLOOD	MCCLOSKEY	27-4N-10E	57	5141	1.6	642	54	4076
*1914 TRI-STATE CASING	MILLER-EUNICE	MCCLOSKEY	23-5N-10E		1339		57		908
OLNEY S, RICHLAND									
*3422 M V RING	KURTZ-MARTZ	MCCLOSKEY	28-3N-10E		32				
OMAHA, GALLATIN									
1443 EXXON	OMAHA	PALESTINE	33-7S-8E,4-8S-8E	509	12245	48.3	925	526	8008
		TAR SPRINGS							
		AUX VASES							
1437 T. W. GEORGE EST.	OMAHA S UNIT	AUX VASES	34-7S-8E,3,4-8S-8E	239	4474	6.7	744	44	1360
**1414 HUMBLE O AND R	OMAHA	PALESTINE	33-7S-8E, 4-8S-8E		5763		3119		4436

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBL)					
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	INJECTION	PRODUCTION	PRODUCTION	PRODUCTION	PRODUCTION	
PROJECT NO., OPERATOR	U = UNIT		S = T = R						
ABD				TOTAL	CUM.	TOTAL	CUM.	TOTAL	CUM.
P.M.				1981	12/81	1981	12/81	1981	12/81
OMAHA, GALLATIN									
CONTINUED									
1439 JUNIPER PETROLEUM C	CANE CREEK U	AUX VASES	4-8S-8E	3	1193	0,6	62	3	584
*1434 NAPCO	PHILLIPS FLOOD	CYPRESS	32-7S-8E		40		7		2
1447 GEORGE PAYNE	OMAHA S PALESTINE U	PALESTINE	32-7S-8E	153	1130	7,0	84	23	252
1448 GEORGE PAYNE	OMAHA S UNIT	HARDINSBURG	31,32-7S-8E/5,6-8S-8E	132	2848	9,8	146	59	784
		CYPRESS							
		OHARA							
		SPAK MTN							
OMAHA S, GALLATIN, SALINE									
*1432 DAVID RUTSTEIN	WOOLARD	CYPRESS	7-8S-8E		164				
OMAHA W, SALINE									
3623 ILL. MID-CONT.	OMAHA WEST	SAMPLE	36-7S-7E/1-8S-7E/6-8S-8E	140*	2618*	10,8	180	140*	2413*
ORCHARDOVILLE, WAYNE									
4050 ALENE BLADES	LEE, SHELTON & ELLIS	OMAHA	28,32,33-1N-5E	50*	290*	5,4	37	50*	290*
4093 RAYMAC PETROLEUM CO.	ORCHARDOVILLE	AUX VASES	29-1N-5E	17	452	0,4	111		
ORIENT, FRANKLIN									
1335 V. N. GALLAGHER	ORIENT	AUX VASES	9-7S-2E	30*	568	1,7	206	15*	186
OSKALOOSA, CLAY									
342 IVAN N. JONES	OSKALOOSA UNIT	AUX VASES	26,27,34,35-4N-5E	25*	2105*	1,2	138	25*	837*
* 307 TEXACU, INC.	OSKALOOSA UNIT	MCCLOSKEY							
		BENOIST	26,27,34,35-4N-5E		158		1219		3393
PANA, CHRISTIAN									
107 COLLINS BROS.	PANA	BENOIST	34,35-12N-1E,3-11N-1E	80*	265*	15,0	52	80*	265*
PARKERSBURG C, EDWARDS, RICHLAND									
*3432 ACME CASING	RIDGLEY	MCCLOSKEY	30-2N-14W		82		7		44
3415 REVIS D. CALVERT	PARKERSBURG	MCCLOSKEY	16,21-2N-14W		107		26		43
*3424 CONTINENTAL OIL	KUERTGE 'B'	RETHEL	30-2N-14W		179		6		25
3409 MARATHON OIL CO.	PARKERSBURG U	MCCLOSKEY	A-3N-9E		5134		159*		1659*
1017 V. T. DRUG. CO.	PARKERSBURG U	CYPRESS	6-1N-14W, 31-2N-14W		911		145*		470*
1041 VIKING OIL	ANDERSON BROS B	MCCLOSKEY	7-1N-14W	31	31	0,2	1		
PASSPORT, CLAY									
354 R & R OIL CO	PASSPORT UNIT	MCCLOSKEY	2-4N-8E, 35-4N-8E		1769*	0,3	213		121*
308 SHAKESPEARE OIL	STANLEY-WINTERSHER	MCCLOSKEY	12-4N-8E	15	883	2,4	81*	15	466
327 SHAKESPEARE OIL	PASSPORT U	MCCLOSKEY	11,12,14-4N-8E	6	11580	1,0	570	6	7369
PASSPORT S, CLAY, RICHLAND									
*3417 CONTINENTAL OIL	PASSPORT SOUTH UNIT	CYPRESS	18-4N-9E		406		43		76
PATOKA, MARION, CLINTON									
2639 FEAR AND DUNCAN	NW PATOKA	RENOIST	19,20-4N-1E	150*	5875*	7,1	294*	150*	5875*
2614 GULF OIL CO	W. PATOKA TRENTON U	TRENTON	1-3N-1W	112	9730	3,6	594	131	9749
			6-3N-1E, 31,32-4N-1E						
*2601 KARCHMER PIPE	PATOKA BENOIST	RENOIST	20,21,28,29-4N-1E		68093		6542		48046
2602 KARCHMER PIPE	PATOKA ROSICLARE	SPAK MTN	21,28,29-4N-1E	90	6487*	4,6	1614	90*	6682*
*2603 KARCHMER PIPE	STEIN UNIT	CYPRESS	28-4N-1E		220		63		228
PATOKA E, MARION									
2638 HIGHLAND OIL CO	THALMAN	CYPRESS	35-4N-1E			10,7	276	70*	1510*
*2629 MOBIL OIL CORP.	F M PEDDICOORD	CYPRESS	30-4N-1E		136		7		9
2616 FRED SEIP	HILL	CYPRESS	28-4N-1E			8,9	89	50*	455*
2631 SHELL OIL CO.	EAST PATOKA UNIT	CYPRESS	34-4N-1E	455	13558*	18,0	650	395	9457*
		BENOIST							
PATOKA S, MARION									
2640 E. M. SELF	DELAY	CYPRESS	9-3N-1E			2,2	112*	20*	1226*
2627 JOE SIMPKINS OIL	PATOKA SOUTH	CYPRESS	4,5,8,9-3N-1E	200*	12860*	9,3	1092	200*	7198*
2619 TRI STAR PROD CO	BENOIST-SANDSTONE U	RENOIST	5-3N-1E	272*	2730*	10,4	90	212*	2484
PHILLIPSTOWN C, EDWARDS, WHITE									
4395 ABBMER OIL CO	GARFIELD-PARSON	AUX VASES	7-4S-14W	80*	2518*	5,9	325	80*	1525*
4323 N. A. BALDRIDGE	MICHAELS-GREEN-STURM	CYPRESS	30-38-14W	5*	355*	0,4	15	5*	286*
		BETHEL							
		AUX VASES							
4257 BARGER ENG	PHILLIPSTOWN U	DEGONIA	6-5S-11E	144	2562	4,6	197	103	2355
4288 BARGER ENG	CALVIN NORTH	TAR SPRINGS							
		OHAMA	25,36-38-10E	67	328	4,7	16	28	75
4414 BARGER ENG	CLEVELAND	DEGONIA	36-4S-10E,1-5S-10E,	247	4225	1,6	432	7*	3663*
4432 BARGER ENG	PHILLIPSTOWN	TAR SPRINGS	31-4S-11E	807	5836	130,7	1140	954	6549
		PENN	31-4S-11E/36-4S-10E						
		TAR SPRINGS							
		AUX VASES							
4249 C. E. BREHM	PHILLIPSTOWN UNIT	PENN	19,30-4S-14W,	20	1906	2,7	217	20	50*
		CYPRESS	30-4S-11E						
*4251 BRITISH-AMERICAN	N CALVIN UNIT	PENN	31-38-14W		3686		1215		2777
4349 R. G. CANTRELL	PHILLIPSTOWN U	DEGONIA	1-5S-10E,6-5S-11E	90**	2748*	5,4	546	90*	1407*
		TAR SPRINGS							
*4344 COY OIL CO	GREEN	BETHEL	30-3S-11E		61		11		8
*4319 DUNCAN LSE+RDY	METCALF	BIELH	31-3S-14W		650		30		
4298 EASON OIL CO.	CLARK WATERFLOOD	CLARK	30-4S-11E	57*	4323	4,0**	38**	63**	2271**
		DEGONIA							
		BETHEL			1102*				
		AUX VASES							
1029 FEAR AND DUNCAN	JOHNSON COOP	MCCLOSKEY	18-3S-11E	50*	1748*	3,8	105	50*	816*
4243 FISK & FISK	RAWLINSOON 7	DEGONIA	29-3S-14W	80*	1279*	4,5	134	80*	1203*
		CLORE							
		CYPRESS							
		BETHEL							
		AUX VASES							

in Illinois, 1981—continued

RESERVOIR STATISTICS (AV. VALUE)										DEVELOPMENT AS OF 12-31-81				INJECTION WATER	
FIELD, COUNTY	NO.	DEPTH (FT)	PAY (FT)	POR (%)	PERM (MD)	OIL GRAV (API)	DATE FIRST INJ.	DATE ABD.	NO. OF WELLS	ACRES UNDER INJ.	SOURCE	SD	TYPE	REMARKS	
OMAHA, GALLATIN															
CONTINUED															
	1439	2678		30.0		37.6	11-65		1	1	20	SH SD, PROD (M)			
	*1434	2760		20.0		37.0	05-65	11-66	1	1	20	CREEK, PROD (M)			
	1447	1725	9.5	17.0	50	27.1	12-71		4	5	133	PRODUCED (B)			
	1448	2175	12.0	14.0	10	35.0	03-71		6	9	370	SH SAND (F)			
		2375	5.0	15.0	50	36.0									
		2725	4.0	15.0	60	37.5									
		2780	4.0	13.0	20	37.5									
OMAHA S, GALLATIN, SALINE															
	*1432	2541		19.0	12.9	24	27.0	10-60	12-63	1	1	20	TAR SPRINGS (B)		
OMAHA W, SALINE															
	3623	2700		10.0				06-68		1	7	100	PRODUCED (B)	*ESTIMATED	
ORCHARDVILLE, WAYNE															
	4050	2880		9.0			7-75		3	3	70	PRODUCED (B)		*ESTIMATED	
	4093	2835		10.0			08-65		1	1	40	SH SD, PROD (M)			
ORIENT, FRANKLIN															
	1339	2670	15.0	18.9	75	38.9	10-66		1	1	40	TAR SPRINGS, PROD (B)		*EST. 1980	
OSKALOOSA, CLAY															
	342	2641	10.0	13.0		37.0	12-63		3	3	100	PENN SD, PROD (B)		*ESTIMATED SINCE 1972	
		2742	11.0			37.0			3	3	100				
	* 307	2600	14.2	15.6	54	37.0	01-53	10-68	9	4	396	PENN SD, PROD (B)			
PANA, CHRISTIAN															
	107	1455		5.0			5-77		1	2	40	PRODUCED (B)		*ESTIMATED	
PARKERSBURG C, EDWARDS, RICHLAND															
	*3432	3190		8.0			04-65	02-69	1	3	80	PRODUCED (B)			
	*3415	3060		10.0			01-55	01-56	2	7	160	PRODUCED (B)		*INCL PRIM PROD 1-55 TO 1-56	
	*3424	2960		15.0			09-59	07-64	1	1	20	PRODUCED (B)			
	*3409	3130	8.0	18.0	800		03-55	12-64	5	5	200	CYPRESS, PROD (B)		*INCL 3416	
	*1017	2770	14.8	16.8	120	37.2	02-59	12-68	3	8	256	PENN SD, PROD (B)		*ESTIMATED 1965-68	
	1041		10.0	10.0		40.0	5-81		1	3	20	FRESH & PROD (M)			
PASSPORT, CLAY															
	354	3025	10.0	15.0	35	38.0	06-65		3	2	160	PENN SD, PROD (B)		*PRODUCED WATER RECIRCULATED	
	308	3000	9.0			37.0	09-57		1	2	40	PRODUCED (B)		*INCL PRIM PROD SINCE 9-57	
	327	3000	10.0	16.9	911	38.2	07-58		1	2	305	CYPRESS, PROD (B)			
PASSPORT S, CLAY, RICHLAND															
	*3417	2700	8.0	15.0	60		07-59	06-64	2	2	100	PENN SD, PROD (B)			
PATOKA, MARION, CLINTON															
	2639	1445		10.0			01-66		2	13	160	PRODUCED (B)		*EST +INCL PRIM PROD	
	2614	3930	17.0	8.0	3	43.0	06-61		3	3	520	PENN SD, PROD (B)			
	*2601	1410	27.0	19.0	110	39.0	09-43	12-70	40	47	527	PRODUCED (B)			
	2602	1550	9.0	18.8	223	40.0	07-48		21	12	445	PRODUCED (B)		*ESTIMATED SINCE 1971	
	*2603	1280	10.0	21.0	32	39.0	08-51	12-70	6	2	61	PRODUCED (B)			
PATOKA E, MARION															
	2638	1340	15.0				06-65		*	10	100			*ADJACENT TO ACTIVE W.F., *EST	
	*2629	1370	19.0	19.2	62	38.6	06-66	01-68	2	1	30	TAR SPR, PROD (B)		*EST. +ADJ. TO 2631 SINCE 65	
	2616	1360	14.0				2-65		*	4	40			*ADJUSTED BY OPERATOR	
	2631	1350	18.0	20.0	139	36.0	06-65		7	12	150	TAR SPR, PROD (B)			
		1465	11.0	18.0	120										
PATOKA S, MARION															
	2640	1350		7.0			10-64		*	4	80			*ADJ. ACT. W.F. *EST *INC PRIM 64-77	
	2627	1360	15.1				08-64		29	29	580	TAR SPR, PROD (B)		*ESTIMATED	
	2619	1456	14.0			36.5	02-64		5	8	200	TAR SPR, PROD (B)		*ADJUSTED	
PHILLIPSTOWN C, EDWARDS, WHITE															
	4395	2885	15.0			38.5	04-61		1	3	222	PENN SD, PROD (B)		*ESTIMATED SINCE 1971	
	4323	2700	10.0				06-68		1	2	30	PENN SD (B)		*ESTIMATED SINCE 1971	
		2825	6.0						1	2	30				
		2920	10.0						1	3	40				
	4257	1928	16.0			36.0	12-69		3	2	60	PRODUCED (B)			
		2300	7.0				02-56								
	4268	2890	12.0	16.0	50	36.5	3-78		2	4	130	SH SD, PROD (M)			
		3050	8.0	14.0	220	38.6									
	4414	1935	15.0				11-67		3	2	110	PRODUCED (B)			
		2385	7.0				05-65								
	4432	1350	20.0	20.0	200	36.0	11-73		22	34	320	RIVER GRAVEL (F)			
		2300	20.0	18.0	20										
		2850	10.0												
	4249	1950	10.0	13.0	36	36.0	06-65		2	9	160	PENN SD, PROD (B)		*DATA FROM 1980	
		2730	10.0								60				
	*4251	1550	29.0	17.6	86	32.0	06-51	11-63	9	9	180	TAR SPR, PROD (B)			
	4349	1970	10.0	18.3	35	37.7	09-62		6	10	200	RIVER, PROD (M)		*ESTIMATED/ *SD ONLY	
		2300	8.0	15.0	29	35.7			2	3	70				
	*4344	2820	10.0	13.0	8	36.0	11-62	01-67	1	2	30	GRAV, PROD (M)			
	*4319	1824	12.0			32.8	12-64	06-71	2	4	40	TAR SPR, PROD (B)			
	4298	1350	15.0	22.2	275		04-70		2	7	97	SH SD, PROD (M)		*CLARK, DEG *BETHEL, AUX VASES	
		1950	40.0	16.5	21		01-66		4	7	80			**ALL PAYS	
		2810	14.0				06-60	12-65	4	7	110				
		2920	10.0				09-60	12-65	4	7	100				
	1029	3116	5.0	12.0	100	37.0	05-64		2	5	140	PENN SD, PROD (B)		*ESTIMATED SINCE 1971	
	4263	1997	3.0				01-66		1	1	80	PRODUCED (B)		*ESTIMATED SINCE 1972	
		2050	6.0						1	1	50				
		2700	14.0						1	5	60				
		2803	8.0						2	3	80				
		2910	11.0						1	3	50				

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBLs)				
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	TOTAL CUM.	TOTAL CUM.	TOTAL CUM.
PROJECT NO., OPERATOR	U & UNIT		S = T = R				1981	12/81	1981
A B D									
P, H,									
PHILLIPSTOWN C, EDWARDS, WHITE									
CONTINUED									
4243	FISK & FISK		MCCLOSKEY						
4245	FISK & FISK	MORRIS	CYPRESS	29-38-14W	*	221		25	* 221
4343	FISK & FISK	SEIFRIED WF	BIEHL	30-38-11E	60*	2005*	2.6	127	60* 1092*
			BETHEL						
4373	V. K. GALLAGHER	CLEVELAND TAR SPRGS U	TAR SPRINGS	25-48-10E		376		185	146
4387	V. R. GALLAGHER	KUYKENDALL	CLRK-BROGPT	25-48-10E	85	2981*	9.3	353	55 1110*
			BUCHANAN						
			DEGONIA						
4224	GETTY OIL CO	N PHILLIPSTOWN	PENN	18-19-43-11E	366	6518	21.5	4975	250 3531
			DEGONIA						
			CLORE						
*437U	GETTY OIL CO	DENNIS "B" DEEP	BETHEL	18-48-11E		127		1	14
			AUX VASES						
			MCCLOSKEY						
4458	JUNIPER PETROLEUM C	CLEVELAND	TAR SPRNGS	36-48-10E	37	76	19.3	79*	27 53*
4284	K W B OIL PROP, MGMT	ARNOLD	PENN	6-48-14W	445	4839	29.6	1051	525 3599
			WALTERSBURG						
			AUX VASES						
*4277	KIRBY PETROLEUM	W.P.B.S. UNIT	BETHEL	26-35-43-10E		1791		160	940
*4250	MOBIL OIL CORP.	GRAYVILLE U	CYPRESS	20-29-38-14W		787		144	552
4252	MOBIL OIL CORP.	N CALVIN	BIEHL	30-31-38-11E		1156		426	499
4369	E. M. MORRIS EST	MORRIS A, B	CYPRESS	19-30-38-11E		109		3*	
4342	ELMER M NOVAK	N CALVIN BIEHL U	BIEHL	31-38-14W	20*	904*	0.8	50	20* 772*
4417	PAUL URTMAN	CECIL & GILLISON	BIEHL	31-38-14W	10*	167*	0.5	63*	10* 152*
4421	LOUIS PESSINA	PHILLIPSTOWN FLOOD	BIEHL	19-30-38-14W	250*	4346*	7.3	441	175* 2569*
4215	PHILLIPS PET. CO	KERN U	TAR SPRINGS	35-36-48-10E,	25	1625	4.6	155	8 154*
			AUX VASES	1,2-58-10E					
*4254	PHILLIPS PET. CO	LAURA	BETHEL	19-48-11E		197		16	51
4255	PHILLIPS PET. CO	PHILLIPSTOWN UNIT	PENN	30-48-11E;31-48-14W	*	2128	8.7	447	* 523
			BETHEL						
			AUX VASES						
*4232	SKILES OIL CORP.	L.O. CLEVELAND	TAR SPRINGS	36-48-10E		48			
4225	SUN OIL CO.	CARR-KENSHAW	CLORE	18-48-14W	221	424*	24.8	344	97 608
			AUX VASES						
			MCCLOSKEY						
*4256	SUN OIL CO.	PHILLIPSTOWN U	CLORE	6-58-11E		234		110	58
*4270	SUN OIL CO.	PHILLIPSTOWN	TAR SPRINGS	6-58-11E		58			251
*4315	TEXACO, INC.	PHILLIPSTOWN COOP	BETHEL	18-48-14W		909		17	139
			AUX VASES						
			MCCLOSKEY						
4253	WEST DRILLING CO	FLOHA UNIT	DEGONIA	24-48-10E		1471		129*	1009*
4306	WEST DRILLING CO	LAURA JOHNSON	DEGONIA	19-48-11E	60*	586*	4.7*	96*	115** 1252**
			AUX VASES		30*	368*			
			OHAMA		35*	404*			
PHILLIPSTOWN S, WHITE									
4357	REBSTOCK OIL CO.	GIVEN-BROWN	TAR SPRINGS	11-58-10E		615		146	204*
RACCOON LAKE, MARION									
*2617	TEXACO, INC.	ROBICLARE-MCCLOSKEY U	SPAN MTN	3-1N-1E		1844		187	1909
			MCCLOSKEY						
2626	TEXACO, INC.	RACCOON LAKE UNIT	CYPRESS	3-1N-1E	358	4955	6.4	104	358 6200
			BENOIST			509			
RALEIGH, SALINE									
3615	WALTER DUNCAN	SPURLOCK	CYPRESS	2-88-6E		167		53*	82*
3617	FARRAR OIL CO.	RALEIGH UNIT	CYPRESS	35-78-6E, 2-88-6E	60*	5231*	2.4	959	60* 915*
*3605	KEWANEE OIL CO.	RALEIGH U	AUX VASES	10,15,16-88-6E		1874		282	964
RALEIGH S, SALINE									
*3627	BUFAY OIL CO	HARRISBURG NORTH U	WALTERSBURG	27-88-6E		204		6	38
3618	HERMAN GRAHAM	S, RALEIGH U	AUX VASES	20-88-6E	120*	3276*	4.9	266	120* 2524*
3604	ILL. MID-CONT.	RALEIGH UNIT	AUX VASES	20-88-6E		1246		64*	800*
3616	RICHARD M. URASH	LEITCH ETAL	AUX VASES	20,21,28,29-88-6E	25*	1365*	1.1	117	25* 349*
RAYMOND E, MONTGOMERY									
2900	DARE PETROLEUM	FUSTER-POGGENPOHL	PENN	15,22-10N-4W		38		6*	15*
RESERVOIR, JEFFERSON									
2030	FRMERS PETR COOP	WHITSON	MCCLOSKEY	21-18-3E	10*	425*	0.5	65*	10* 425*
2031	BURRELL G. MINOR	JOHNSN, MULVNY-SLEDGE	MCCLOSKEY	26,33-18-3E	15*	565*	3.7	99*	15* 565*
RICHVIEW, WASHINGTON									
4016	NICK BABARE	CANTRELL-MARTOCCIO	CYPRESS	2-28-1W	25*	509*	1.9	54	25* 474*
4015	N. A. BALURIDGE	RICHVIEW	CYPRESS	2-28-1W	75*	3378*	7.1	567	75* 3128*
4012	C. T. EVANS	RICHVIEW UNIT	CYPRESS	2-28-1W	599	9545	5.1	461*	196 3375
4017	E. M. SELF	SKIOTINSKI	CYPRESS	10-28-14W	5*	436*	0.1	47	5* 351*
4014	GEORGE THOMPSON	THOMPSON	CYPRESS	35-18-1W;2-28-1W	50*	5409*	4.0	346	50* 3224*
RITTER N, RICHLAND									
*3430	ZANETIS OIL PROP	SE OLNEY U	SPAR MTN	18-3N-1E		92		5	54
ROACHES N, JEFFERSON									
*2009	TEXACO, INC.	ROACHES NORTH UNIT		5,8-28-1E		2590		30	2081
ROCHESTER, WABASH									
3968	R.B. EVANS OIL CO.	KENARD	PENN	14-28-13W	*	11592*	*	783*	* 4585*
			WALTERSBURG						
3970	R.B. EVANS OIL CO.	NORTH ROCHESTER U	PENN	11,14-28-13W	*	3990*	0.9	458	* 1864*
			WALTERSBURG						
3972	R.B. EVANS OIL CO.	ROCHESTER COOP	PENN	14-28-13W	*	8629*	0.5	288	* 2079*
ROLAND C, GALLATIN, WHITE									
4314	ABBHER OIL CO	NURRIS CITY	HARDINSBURG	11,14-68-8E	*	636*	*	65	* 233*
*4435	N. A. BALDRIDGE	PORTER	WALTERSBURG	12-78-8E		522		39	522
			CYPRESS						
			AUX VASES						

in Illinois, 1981—continued

RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER												
FIELD, COUNTY		PERM OIL		DATE		NO. OF		SOURCES		TYPE		REMARKS
PROJ.	DEPTH	NET	POR	(HD)	GRAV	FIRST	ADD.	ACRES	SUBSAND	(F)=FRESH	(B)=BRINE	
* NO.	(FT)	(FT)	(%)	(API)	INJ.	INJ.	PROD.	INJ.	PROD	PROD	PROD	

PHILLIPSTOWN C, EDWARDS, WHITE												
CONTINUED												
4243	3000	12.0						1	2	60		
4245	2700	10.0				07-67		1	3	30	PURCHASED (M)	*NO PROD. REPORTED 1981
4343	1842	14.0	16.2	88	32.0	06-62		2	2	30	PENN SD, PROD (B)	*ESTIMATED SINCE 1972
	2820	11.0	14.2	10				3	4	150		
*4373	2310	9.0	18.3	68	33.9	10-63	10-72	3	2	110	PENN SD, PROD (B)	*INCL PRIM PROD SINCE 10-63
4387	1300	15.0				01-71		2	3	20	PENN SD, PROD (B)	*EST. SINCE 1980
	1490	15.0				07-64				40		
	1970	16.0				01-67				40		
4224	1400	10.0				01-70		6	13	191	PENN SAND, PROD (B)	
	1990	16.0				12-67						
	2035	6.0				12-67		3	4	80		
*4370	2845	15.0			34.0	05-71	07-72	2	2	37	PENN SD, PROD (B)	
	2930	29.0						2	2	37		
	3040	23.0						2	2	37		
4458	2294	10.0			37.5	4-79		1	5	30	PURCHASED (M)	*INCL OFFSET INJECTION 77-78
4284	1500	29.0	16.9	168		11-67		8	15	160	PENN SAND, PROD (B)	
	2290	5.0										
	2900	10.0	18.0	100								
*4277	2840	11.0	15.5	150	38.0	06-56	12-63	9	12	270	PENN SD, PROD (B)	
*4250	2850	27.4	18.4	64		08-54	07-69	2	4	60	PRODUCED (B)	
*4252	1830	11.0			32.8	05-51	02-61	3	9	60	SH SD, PROD (M)	*INCL PRIM PROD 1951-1961
*4369	2700	10.0				08-63	12-65	3	4	40	SH SD (F)	*NO DATA SINCE 1964
4342	1800	25.0	17.7		32.0	6-63		3	3	30	PRODUCED (B)	*ESTIMATED
4417	1830	20.0			34.0	06-72		1	6	40	PRODUCED	*EST; ADJ TO ACT WF SINCE 1964
4421	1830	15.0				02-68		5	17	240	PRODUCED (B)	*ESTIMATED SINCE 1978
4215	2380	13.0			36.0	03-68		1	3	30	WELL, PROD (M)	*ADJUSTED
	2990	18.0	20.0	60						90		
*4254	2800	10.0	15.0	46	37.0	03-52	01-64	2	2	40	PRODUCED (B)	
4255	1850	47.0				08-71			4	60	PRODUCED (B)	*INJECTION DISC. 10-78.
	2800	18.0				10-57				80		
	2930	24.0				10-57				80		
*4232	2300	12.0				11-55	01-58	1	2	30	PENN SAND (B)	
4225	2015	20.0			36.0	01-68		3	4	80		*INJ SINCE 1979 ONLY
	2895	18.0								20		
	3040	8.0								60		
*4256	2000	10.0				12-55	06-60	1	5	50	PRODUCED (B)	
*4270	2248	10.0			34.5	01-53	06-54	1	9	10	PRODUCED (B)	
*4315	2800	17.0	14.2	7	36.3	03-69	01-72	4	3	70	PRODUCED (B)	
	2900	10.0	14.2	31				4	3	70		
	3050	10.0						4	4	80		
*4253	2000	15.0	19.0	100	37.0	09-53	06-74	2	5	70	PRODUCED (B)	*ESTIMATED
4306	1980	20.0				08-69		1	2	40	PRODUCED (B)	*ESTIMATED; *INCL ALL PAYS
	2960	9.0						1	2	40		
	3035	10.0						1	1	30		
PHILLIPSTOWN S, WHITE												
*4357	2320	12.0	18.1	33		12-62	07-78	2	3	60	SH SD (F)	*ESTIMATED
RACCOON LAKE, MARION												
*2617	1900	8.9	14.0	199	36.0	07-61	12-74			3		PRODUCED (B)
	1925	5.2	11.0	292								
2626	1650	19.0			35.0	03-65		2	5	120	PRODUCED (B)	
	1730	15.0						1	1	70		
RALEIGH, SALINE												
*3615	2550	10.0			32.0	05-64	12-74	1	1	20	PENN SD, PROD (B)	*ESTIMATED
*3617	2553	14.0			33.7	05-62		18	14	350	CYPRESS, PROD (B)	*ESTIMATED SINCE 1969
*3605	2945	10.0	24.0	472	39.0	10-60	12-66	3	4	70	PAINT CK, PROD (B)	
RALEIGH S, SALINE												
*3627	2050	15.0				01-75	10-79	1	2	80	PENN (B)	*SUBSURFACE INJ DISC. 10-79
3618	2840	12.5	18.4	130	38.0	08-64		3	4	80	PENN SD, PROD (B)	*ESTIMATED
*3604	2850	15.0		176	40.4	12-60	01-70	1	3	40	PENN SD, PROD (B)	*ESTIMATED 1964-1969
3616	2850	15.0	15.0		36.0	03-64		3	1	110	PRODUCED (B)	
RAYMOND E, MONTGOMERY												
*2900	595	8.0			34.1	08-59	12-67	2	2	20	PENN SD, PROD (B)	*ESTIMATED
RESERVOIR, JEFFERSON												
2030	2720	14.0				10-64		1	1	80	PRODUCED (B)	*EST. *INCL. PRIM SINCE 64
2031	2740	12.0				6-66		1	3	50	PRODUCED (B)	*EST. *INCL. PRIM SINCE 66
RICHVIEW, WASHINGTON												
4016	1500	20.0				09-71		1	6	70	TAR SPR, PROD (B)	*ESTIMATED
4015	1480	20.0				03-70		4	10	140	TAR SPR (B)	*ESTIMATED
4012	1485	13.0	21.0	117	39.0	10-68		5	8	97	TAR SPR, PROD (B)	*INCL PRIM PROD SINCE 3-66
4017	1480	25.0				01-71			2	20		*ADJ TO ACTIVE WF, DATA EST
4014	1477	20.0				09-63		1	7	100	TAR SPR, PROD (B)	*ESTIMATED
RITTER N, RICHLAND												
*3430	3190	4.0			38.8	09-64	12-65	1	3	160	PENN SAND, PROD (B)	
ROACHES N, JEFFERSON												
*2009	1930	10.7	14.8	134	37.2	08-60	10-73	4	18	460	PRODUCED (B)	
ROCHESTER, WABASH												
3968	1350	30.0	17.0	150	33.0	07-60		5	8	80	SH SD, GRAV (F)	*DATA N/A SINCE 1975
	1950	20.0	18.0	200	37.0			5	5	80		
3970	1285	12.0	19.0	100	40.1	07-60		2	8	80	GRAVEL BED (F)	*INJ. DISC. 1980
	1960	20.0	18.9	100				2	5	90		
3972	1285	12.0			30.5	01-60		2	2	70	GRAV, PROD (M)	*INJ. DISC. 1980/DATA N/A 1981
ROLAND C, GALLATIN, WHITE												
4314	2975	8.0	16.0	30	36.6	10-69		5	4	110	SH SAND (F)	*NO PROD. 1981
*4435	2190	12.0				01-62	05-78	1	2	30	PRODUCED (B)	
	2600	18.0						1	2	40		
	2900	10.0						1	2	40		

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBLs)				
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION			
PROJECT NO., OPERATOR	U = UNIT		S = T = R	*****			TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.
* * * ABD				1981 * 12/81	1981 * 12/81	1981 * 12/81			
* * * P, M,									
ROLAND C, GALLATIN, WHITE									
CONTINUED									
4413 WM, & P. BECKER	CROZIER-SILLIMAN	HARDINSBURG	3e-58-8E	35*	873*	3.8	60	35*	873*
4324 ENERGY RESOURCES	N ROLAND U	AUX VASES	35-68-8E, 2-78-8E	12*	207*	0.8	12	12*	192*
4350 ENERGY RESOURCES	S ROLAND U	CYPRESS	10, 11-78-8E	90	1101*	1.8	72	90	817*
		AUX VASES							
1418 EXXON	S, ROLAND	AUX VASES	16, 21, 22-78-8E		1583		198		896
4258 EXXON	S, W, ROLAND	WALTERSBURG	14, 15, 16-78-8E	956	40622	32.1	2693	1063	14689
		AUX VASES							
4266 EXXON	ROLAND AREA U I	CYPRESS	2, 11-78-8E	273	10494	29.3	1600	920	10495
		BETHEL							
		AUX VASES							
4436 FARRAR OIL CO.	MARTIN	AUX VASES	13-78-8E	100*	1145*	5.8	85	100*	1145*
4396 FEAR AND OUNCAN	MOBLEY-GREER	TAR SPRINGS	25-68-8E	75*	731*	6.0	79	75*	658*
4361 F. J. FLEMING	DUERNER UNIT WF	WALTERSBURG	12, 13-78-8E		1458		80		888
4262 T. W. GEORGE EST.	PANKEY-MOUREHEAD UNIT	CYPRESS	17, 20-78-8E		55				
*4259 HUMBLE O AND R	STOKES U	HARDINSBURG	5, 8-68-9E		755		543		1270
4375 LOOK OIL CO	ATCHLEY	CLORE	17-68-9E	40*	733*	1.9	43	40*	489*
*4347 E. F. MORAN, INC	NORRIS CITY	CYPRESS	33-68-8E		771		15		
		BETHEL							
1446 MURVIN OIL CO.	ROLAND POOL U	BETHEL	24-78-8E		1307		57*		521*
4419 MURVIN OIL CO.	ROLAND	CYPRESS	13, 14, 24-78-8E	100*	2033*	5.5	185	100*	1538*
		BETHEL							
		AUX VASES							
*4407 NAPCO	HUGHES FLOOD	CYPRESS	4, 9-68-9E		458		14		164
4403 NATIONWIDE ENERGY	ROLAND U	CYPRESS	1, 12, 13-78-8E	270*	4045*	12.3	290	270*	1804*
		BETHEL							
		AUX VASES							
4416 DENNIS PAINE	COLLINS-ANDERSON	BETHEL	16-78-8E		193		42*		81*
4422 PETRO INTERNATIONAL	GENTRY & LOWRY	TAR SPRINGS	13-68-8E	40*	1793*	1.4	141*	40*	1515*
		CYPRESS							
4310 REBSTOCK OIL CO.	GEN AMER LIFE	CLORE	1-78-8E	200*	3747*	4.3	153	200*	3026*
		WALTERSBURG							
		CYPRESS							
		BETHEL							
		AUX VASES							
*1413 ROYALCO, INC.	OMAHA U	WALTERSBURG	20, 21, 28, 29-78-8E		12070		593		3896
*4318 ROYALCO, INC.	E, ROLAND	AUX VASES	2, 3-78-8E		1702		107		425
*4261 SHELL OIL CO.	IRON UNIT	HARDINSBURG	23, 24, 25-68-8E		18512		2254		9380
4322 JOE SIMPKINS OIL	ROLAND POOL U	WALTERSBURG	10, 11-78-8E	80*	2207*	3.9	149	80*	1337*
		BETHEL							
		AUX VASES							
4214 SUN OIL CO.	ROLAND POOL U AREA II	CLORE	1, 2, 11, 12, 13, 14-78-8E	2468	57319	42.9	3565	2928	31426
		WALTERSBURG	36-68-8E						
		TAR SPRINGS							
		CYPRESS							
		BETHEL							
		AUX VASES							
4244 SUN OIL CO.	ROLAND WEST U	CYPRESS	4, 9-78-8E	621	6801*	22.1	423*	412	4347*
		BETHEL							
		AUX VASES							
*4260 UNION OIL CALIF.	STOKES-BRUNNSVILLE U	HARDINSBURG	36-58-8E, 31, 32-58-9E, 1, 11, 12-68-8E, 6-68-9E		16366		2290		9607
4385 UNION OIL CALIF.	WALNUT GROVE U	TAR SPRINGS	7, 8, 17, 18, 19-68-9E	1530	31622	46.7	2889	1444	18735
		CYPRESS							
		PAINT CREEK							
		BETHEL							
		AUX VASES							
		OHAKA							
		SPAR MTN							
		MCCLOSKEY							
*1435 WAUSAU PET. CORP	GOSSETT	CYPRESS	19, 20-78-8E 18-78-8E		693		81		125
RUARK, LAWRENCE									
2267 MEPCO, INC.	RUARK WF U	PENN	7-2N-12W	42	1250*	3.4	167	27	699*
2295 DLOS GIL & CHEM.	KING UNIT	BIENL	8-2N-12W	6	80	0.6	5	4	24
RUARK W, LAWRENCE									
2284 HERMAN LOEB	W, RUARK U	BETHEL	12, 13-2N-13W	*	6623*	*	684	*	4211*
*2293 E B REYNOLDS EST.	WIRTH	BETHEL	13-2N-13W	*	+	*	34*	*	200*
*2290 JOE WILLIAMS	W W PROUT	BETHEL	12-2N-13W	*	*	*	32*	*	*
RURAL HILL N, HAMILTON									
*1515 ACME CASING	MOORE UNIT	CYPRESS	34, 35-58-5E		1539		210		544
ST FRANCISVILLE, LAWRENCE									
2263 HAROLD BRINKLEY	PEPPLE AND MOODY	BETHEL	19, 20-2N-11W	*	787*	*	29*	*	318*
*2278 LOGAN OIL CO.	WILSON 'B'	BETHEL	20-2N-11W		31				
*2228 OIL RECOVERY, INC	ST FRANCISVILLE	BETHEL	20-2N-11W		90				
ST. FRANCISVILLE E, LAWRENCE									
*2216 BAUER BROTHERS	ALL STATES LIFE	BETHEL	22-2N-11W		3528		267		1145
ST JACOB, MADISON									
2506 BELLAIR OIL	ELLIS WF	TRENTON	27-3N-6W	60*	2343*	5.6*	141*	60*	1321*
2503 WARRIOR OIL CO.	TRENTON LIME UNIT	TRENTON	15, 16, 21, 27-3N-6W	272	9180	6.4	656	207	5830
2505 WARRIOR OIL CO.	S, ST. JACOB UNIT I.	TRENTON	27-3N-6W	216	3626	5.7	113	161	2834
ST JAMES, FAYETTE									
1238 N. A. BALDRIDGE	WILLIAM SHAIL	CYPRESS	25, 36-6N-2E	90*	2211*	4.8	250	90*	2899*
1245 W. L. BELDEN	ST JAMES	CARPER	25-6N-2E, 30-6N-3E	27	1028*	4.1	85*	27*	1028*
1250 W. L. BELDEN	ST JAMES NORTH	CARPER	19, 30-6N-3E	136	3022	2.7	136*	136*	3022*
1253 M-S-C CORP	SMITH-STEPHENS	CYPRESS	31-6N-3E	300*	10468*	20.7	686	300*	10468*
1240 MARATHON OIL CO.	ST. JAMES 1=C	CYPRESS	36-6N-2E, 30, 31-6N-3E	520	11378	37.8	1552	729	9261
1222 HENRY ROSENTHAL	WASHBURN	CYPRESS	30-6N-3E		1000		198*		1000*
1251 HENRY ROSENTHAL	WASHBURN	CARPER	30-6N-3E	250*	4244*	6.4	117	250*	2033*
1239 TEXACO, INC.	ST. JAMES WF	CYPRESS	25-6N-2E, 30, 31-6N-3E	310	8182	7.9	512	496	8515

in Illinois, 1981—continued

RESERVOIR STATISTICS (AV. VALUE) DEVELOPMENT AS OF 12-31-81 INJECTION WATER												

FIELD, COUNTY	NO. OF	SOURCE										
NO.	DEPTH	PERM OIL	DATE	DATE	WELLS	ACRES	SD=8AND	(F)=FRESH				
NO.	(FT)	PAY (%)	(ND)GRAV	FIRST	ABD.	UNDER	GR=GRAVEL	(B)=BRINE				
		(FT)	(API)	INJ.		INJ.	PROD=PRODUCED	(M)=MIXED	REMARKS			
							SH=SHALLOW					

ROLAND C, GALLATIN, WHITE												
CONTINUED												
4413	2636	14.0	17.0	106	38.0	03-63	2	3	280	PRODUCED (B)	*ESTIMATED	
4324	2950	10.0				06-70	2	6	130	PENN SD (B)	*ESTIMATED SINCE 1972	
4350	2650	8.0				04-70	1	5	60	PENN SD (B)	*ESTI+TEMP. INACTIVE 1977-78	
	2990	10.0							60			
*1418	2920	15.0	16.2	61	40.0	06-59	01-76	2	2	120	PENN SD (B)	*NO INJ SINCE 1975
4258	2175	14.0	19.5	275	31.0	06-55		7	13	580	PENN SD, PROD (B)	
	2900	12.0								110		
4266	2700	20.0	16.6	65	31.6	06-66		12	14	550	PENN SD, PROD (B)	
	2775	9.0	12.4	12								
	2900	6.0	13.8	14								
4436	2870	18.0				06-73		1	3	40	PRODUCED (B)	*ESTIMATED
4396	2332	10.0	23.9	77		02-62		1	2	80	PRODUCED (B)	*ESTIMATED SINCE 1970
*6361	2200	15.0	18.0		31.0	06-62	01-68	4	4	80	PENN SD, PROD (B)	*ESTIMATED
*4262	2620	20.0	14.0	16		10-56	12-58	2	2	40	TAR SPR, PROD (B)	*ESTIMATED, D.F.
*4259	2530	11.6	18.8	256	35.8	07-54	12-66	7	10	170	PRODUCED (B)	
4375	1991	12.0			38.0	08-67		2	1	20	PALESTINE, PROD (B)	*ESTIMATED
*4347	2685	9.0				07-66	10-68	2	2	40	PENN SAND(F)	
	2800	30.0						4	4	80		
*1446	2750	18.0	14.0	35	38.0	01-70	06-74	8	11	200	PENN SD (B)	*ESTIMATED
4419	2590	8.0				04-69		2	3	50	PRODUCED (B)	*ESTIMATED
	2750	8.0						2	3	50		
	2860	15.0						6	16	260		
*4407	2740	14.0			37.0	04-65	01-72	3	2	60	PRODUCED (B)	
4403	2600	10.0	15.2	38		01-66		7	10	230	TAR SPRINGS (B)	*ESTIMATED SINCE 1971
	2800	15.0				03-69		2	6	80		
	2920	9.0				01-70		1	1	20		
*4418	2795	15.0				02-64	04-75	1	2	30	PRODUCED (B)	*NO PRODUCTION, 1975
4422	2310	15.0				01-71		3	4	70	PRODUCED (B)	*EST +INCL PRIM PROD
	2710	10.0						3	3	60		
4310	1960	6.0	18.7	150		10-68		2	1	30	FRESH, PROD (M)	*ESTIMATED SINCE 1973
	2185	12.0	19.8	264				4	4	80		
	2620	5.0						1	1	20		
	2800	8.0	13.3	73				4	4	80		
	2900	8.0	12.0	70				1	1	20		
*1413	1695	14.0	19.0	225	37.2	03-53	04-73	16	17	336	PRODUCED (B)	
*4318	2935	20.0	14.2	4	35.6	12-61	07-69	8	8	260	SH SD, PROD (M)	
*4261	2500	25.0	17.6	152	37.0	12-50	04-66	20	24	440	CYPRESS, PROD (B)	
4322	2150	15.0				07-69		4	6	160	PENN SAND (B)	*ESTIMATED
	2740	10.0						4	6	160		
	2870	15.0						6	8	180		
4214	1900	9.0				04-68		28	29	770	WELL, PROD (M)	
	2200	12.0								440		
	2250	7.0								90		
	2500	11.0								400		
	2750	14.0								550		
	2900	21.0								150		
4244	2620	14.0	14.0	34	37.0	02-66		9	9	200	PENN SD (B)	*ADJUSTED BY OPERATOR
	2725	9.0	11.0							180		
	2925	15.0	16.5	55						160		
	3000									40		
*4260	2628	15.0	17.0	106		08-55	08-67	38	31	1142	PENN SD, PROD (B)	
4385	2300	12.4				02-67*		13	23	958	PRODUCED (B)	*UNIT EFFECTIVE 7-66
	2640	10.5	18.0	60								
	2790	10.0	17.0	50								
	2880	22.0										
	2900	10.0										
	2940	3.0										
	2970	3.0										
*1435	3060	1.3										
	2550	12.0	18.5	80	38.0	07-64	05-70	3	7	100	PENN SD, PROD (B)	
RUARK, LAWRENCE												
2267	1640	8.0	16.0	105	33.8	04-63		1	2	56	SH SD (F)	*EST. 1973-79
2295	1503	7.0			33.0	4-77		1	1	40	SH, SD	
RUARK W, LAWRENCE												
2284	2250	17.0	16.0	100	38.0	08-65		20	15	370	TAR SPR, PROD (B)	*DATA N/A SINCE 1980
2293	2234	11.0				08-65	07-72	+	2	20		*EST. +WINDOW IN ACTIVE WF
*2290	2260	10.0				01-67	1-77	*	2	30		*ADJ ACTIVE WF, NO INJ +EST
RURAL HILL N, HAMILTON												
*1515	2400	10.0	13.8	22	35.5	05-60	01-69	3	2	140	PRODUCED (B)	
ST FRANCISVILLE, LAWRENCE												
2263	1840	12.0			41.0	04-62		2	5	80	GRAV, PROD (M)	*NO DATA SINCE 1973
*2278	1850	10.0	18.5	65		11-64	12-66	1	1	30	CYPRESS (B)	
*2228	1865	12.0	17.5	43	38.0	12-50	06-54	2	1	30	SH SD, PROD (M)	
ST FRANCISVILLE E, LAWRENCE												
*2218	1740	27.0	17.0	40	36.5	11-57	11-72	6	9	160	RIVER GRAVEL (F)	
ST JACOB, MADISON												
2506	2340	20.0	6.0		35.6	11-65		4	7	230	SH SD, PROD (M)	*ESTIMATED SINCE 1972
2503	2351	15.7	9.6	11	37.0	08-62		7	11	310	AUX VASES, PROD (B)	
2505	2320	18.0	9.6		36.0	11-65		2	6	180	AUX VASES, PROD (B)	
ST JAMES, FAYETTE												
1238	1560	16.0	20.0	150		07-63		3	6	50	PRODUCED (B)	*ESTIMATED SINCE 1971
1245	3130	42.0			37.4	12-65		1	5	80	PRODUCED (B)	*EST. 1981
1250	3100	20.0				01-66		1	6	240	PRODUCED (B)	*EST. +INC PRIM, PROD.
1253	1600	10.0				01-61		3	16	175	PRODUCED (B)	*ESTIMATED
1240	1600	22.0	18.0	230		08-63		7	20	588	PRODUCED (B)	
*1222	1595	20.0			34.0	03-54	12-62	3	9	100	PRODUCED (B)	*1959-1962 ESTIMATED
1251	3090	45.0	11.0			04-68		1	5	90	PRODUCED (B)	*ESTIMATED SINCE 1978
1239	1600	13.4	19.6	76	37.0	05-63		3	10	400	PRODUCED (B)	

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBL)					
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	TOTAL CUM.	TOTAL CUM.	TOTAL CUM.
PROJECT NO., OPERATOR	U = UNIT		S = T = R				1981	12/81	1981
* * ABD							12/81	12/81	12/81
* * P.M.									
STE MARIE, JASPER									
*1912 MURVIN OIL CO.	STE, MARIE	SPAK MTN	7-5N-11E						
*1905 J. R. RANDOLPH	STE, MARIE WF	MCCLOSKEY	5,6,7,8-9N-14W	1900	191	62			
*1923 S AND M OIL CO.	STE MARIE U	MCCLOSKEY	1-5N-10E/ 6-5N-11E	1620	78	327			
*1920 C. K. WINN	WADE 2	MCCLOSKEY	5,6-5N-14W	657	31	475			
SAILOR SPRINGS C, CLAY, EFFNGHAM, JASPER									
385 ABCO OIL UP.	CAILTEAUX=MEOLEY	CYPRESS	12-3N-7E	40*	710*	5.8	111*	40*	710*
393 ABBMER OIL CO	DUFF	SPAK MTN							
* 318 ASHLAND O AND R	E. FLORA	CYPRESS	12-3N-7E	20*	380*	2.4	60*	20*	380*
* 377 ASHLAND O AND R	E W KECK LEASE	MCCLOSKEY	16,21-3N-7E		2173	195			2605
* 370 BALDWIN, BALDWIN	ARMSTRONG U	MCCLOSKEY	35-4N-7E	58	285	9.0	55	58	351
* 348 BANGERT CASING	STASER U	CYPRESS	3,10-3N-7E	18	228*	3.7	23	16	68*
* 386 BANGERT CASING	DUFF	CYPRESS	12,13,14-3N-7E		2687*		192		1094*
1106 WM. & P. BECKER	ROSLICLAKE LIME UNIT	SPAK MTN	12-3N-7E	18*	694*	2.4	66*	18*	694*
			5-5N-7E,		7552*		971*		5252*
			32-6N-7E						
* 309 CITIES SERVICE	WYATT	AUX VASES	13-5N-7E		871		40		446
		SPAK MTN							
359 WALTER DUNCAN	GUOLD UNIT	CYPRESS	15-5N-7E	235	4730*	9.4	1280	235	4312*
386 WALTER DUNCAN	H.D.LEWIS	CYPRESS	9-5N-7E		511*	6.6	221	475	2011*
1102 WALTER DUNCAN	BRINK	CYPRESS	34-6N-7E	73	3059*	3.8	552	274	2503*
1116 WALTER DUNCAN	KLUTHE	CYPRESS	33-6N-7E	36	1046*	2.3	309	36	2443*
374 J. C. FRANKLIN	NW CLAY	CYPRESS	2-3N-7E/35-4N-7E	32	717	1.8	84	32	737
		AUX VASES							
389 J. C. FRANKLIN	DICKEY	CYPRESS	3-3N-7E	70	140*	0.8	53	18	291
390 J. C. FRANKLIN	GERMAN #5	CYPRESS	9-3N-7E	18	18*	7.0	7*	18	-18*
*1114 J. C. FRANKLIN	REINHART, STOKTZUM	CYPRESS	22-6N-7E	400	2707	0.7	203	180	1949
* 310 GULF OIL CO	R. KECK	CYPRESS	26-4N-7E		65		11		37
* 339 GULF OIL CO	SAILOR SPRINGS UNIT	CYPRESS	26-4N-7E		315		49		70
1118 GULF OIL CO	F M KLUTHE	CYPRESS	33-6N-7E			26.3	818	63	590
328 C.D.HAGAN	SAILOR SPRINGS	TAR SPRINGS	26-4N-7E	30*	3339*	1.6	178	30*	2491*
		CYPRESS							
356 JET OIL CO.	BIBLE GROVE UNIT	CYPRESS	10-5N-7E	625	12602	11.4	1450	174	5305
*1107 JET OIL CO.	BLUNT CUMM U	MCCLOSKEY	17,20-6N-7E		970		102		655
329 JUNIPER PETROLEUM C N SAILOR SPRINGS		CYPRESS	2-4N-7E,35-5N-7E	87	4673	3.4	229	26	2040
		AUX VASES							
		SPAK MTN							
364 K W B OIL PROP, MGMT	GOLDSBY=WILSON	CYPRESS	34-4N-7E	339	3981	12.4	221	231	2989*
		AUX VASES							
375 K W B OIL PROP, MGMT	PATTON-SMITH U	CYPRESS	11-3N-7E	29	387	1.7	35	17	322
1100 KEN-TEX	BIBLE GROVE	SPAK MTN	28,29-6N-7E	30*	4808*	1.4	447	30*	2128*
		MC CLUSKY							
*1103 KINGWOOD OIL CO.	NADLER AND JOERGENS	CYPRESS	28-6N-7E		1834		101		888
		SPAK MTN							
319 LADU PETROLEUM	SAILOR SPRINGS U	CYPRESS	13-5N-7E	125	2681	4.5	178	33	456
387 LADU PETROLEUM	A.J.LEWIS	CYPRESS	9-5N-7E			16.0	243	90*	1210*
1117 LADU PETROLEUM	J HABBE	CYPRESS	33-6N-7E			2.6	412		
1109 HERMAN LOEB	BIBLE GROVE U,S,U.	CYPRESS	22,27,28,34-6N-7E	200*	8376*	3.1	1211	175*	5405*
352 MAC OIL COMPANY	BIBLE WF UNIT	CYPRESS	9-4N-7E	60*	2062	4.6	308	60*	1170
391 MAC OIL COMPANY	CARTER	CYPRESS	24-5N-7E		945*	2.5	70*		945*
* 312 W. C. MCBRIDE	GOLDSBY=DICKEY	CYPRESS	34-4N-7E		622		31		142
* 313 W. C. MCBRIDE	DUFF=KECK	CYPRESS	26,35-4N-7E		1845		140		681
* 314 W. C. MCBRIDE	BOTHWELL	CYPRESS	14-3N-7E		98		5		
* 344 W. C. MCBRIDE	DEHART	CYPRESS	9,10-3N-7E		989*		81*		703*
* 311 MCCOLM, KINCAID	SAILOR SPRINGS	CYPRESS	14,15,23-4N-7E		6979		1023		3203
* 336 MCCOLM, KINCAID	NORTH HOOSTER UNIT	CYPRESS	10-4N-7E		2174		465		1221
* 355 MCCOLM, KINCAID	BIBLE GROVE WF UNIT	CYPRESS	15,22-5N-7E	260*	6142	12.3	1202	245*	4271
* 382 MCCOLM, KINCAID	HARDIN	CYPRESS	10-5N-7E		300*		36*		300*
383 MCCOLM, KINCAID	CHLDRS-HALL-HARD-HAHM	CYPRESS	9,10-5N-7E	60	354	5.9	83	60	354
* 366 MCKINNEY,FUNDERB	SPARKLIN	CYPRESS	3-5N-7E		174		46		136
* 340 MOBIL OIL CORP.	NORTH HOOSTER U	CYPRESS	15-4N-7E		1608		274		864
321 BERNARD PODOLSKY	BUCK CREEK U	MCCLOSKEY	8,9,16,17-3N-7E	280	5074	6.9	244	235	3955
* 333 BERNARD PODOLSKY	C. BOWERS	MCCLOSKEY	16-3N-7E		231		44		182
371 BERNARD PODOLSKY	E FLOKA	MCCLOSKEY	9-3N-7E	15	1108	3.4	30	15*	707*
* 343 RAY-OBBER OIL CO.	HASTINGS	CYPRESS	23-4N-7E		118*		7*		
368 C D REED	MCCOLLUM	CYPRESS	9,16-4N-7E	50*	1216*	2.0	108	50*	988*
369 E B REYNOLDS EST.	STORCK	CYPRESS	5-5N-7E	85*	1383*	4.2	100	85*	1363*
379 ROBISON OIL CO.	BATEMAN,CROUSE,WORHM	CYPRESS	24,25-5N-7E		51*		36*		48*
361 HUBERT ROSE	BATEMAN UNIT	CYPRESS	25,26,35-5N-7E	70*	2506*	2.4	114	70*	1025*
350 SHAKESPEARE OIL	STANFORD UNIT	SPAK MTN	22,27-3N-7E	1	445	0.7	32	1	445
* 315 SHULMAN BROTHERS	CULCLASURE AND HARDY	CYPRESS	10-3N-7E		1177		28		496
* 316 SHULMAN BROTHERS	NEFF	MCCLOSKEY	16-3N-7E		99		5		
* 325 SHULMAN BROTHERS	LEWIS=CYPRESS	CYPRESS	13-5N-7E		84		3		84
* 367 SO, TRIANGLE CO.	SAILOR SPRINGS	CYPRESS	11,12,13,14-4N-7E		510		10		201
360 TEXACO, INC.	NORTH BIBLE GROVE U	CYPRESS	3,4,5,8,9,10-5N-7E, 32-6N-7E	2744	49762	41.3	3849	2274	32425
365 TEXACO, INC.	W G LANDWEHR	CYPRESS	9-5N-7E		1988*	3.1	120	135	719
392 TEXACO, INC.	MASCHER	CYPRESS	9-5N-7E			6.0	117	65*	1399*
1115 R. O. WILSON II	KLUTHE-STURTZUM=LAKE	CYPRESS	15,22-6N-7E	AS	785*	13.0	272	70	637*
SALEM C, JEFFERSON, MARION									
2618 T. L. CLARK	PHELPS=WALNUT HILL U.	SPAK MTN	28,33-1N-2E	15*	2815*	1.3	233	15*	798*
2612 EGO OIL CO	SEBASTIAN	BENUIST	21-1N-2E		319		33*		319*
2624 EGO OIL CO	LUTTRELL	SPAK MTN	15-1N-2E		178		20*		103*
*2633 EGO OIL CO	BURGE	SPAK MTN	21-1N-2E		146		17		146
*2006 EXXON	DIX R. AND PM.	BENUIST	3,4,9,10,15,16-19-2E	1075	34614	107.1	15616	1104	25513
2010 EXXON	SALEM CONS	AUX VASES	3,4,10-19-2E	770	51911	15.9	1260	667	23666
*2604 TEXACO, INC.	ROSLICLAKE SAND UNIT	SPAK MTN	15-1N-2E		1913		96		207
2605 TEXACO, INC.	SALEM UNIT	BENUIST	71,2N-2E	3077	54518*	163.0	42762	11122	42156*
2606 TEXACO, INC.	SALEM UNIT	DEVUNIAN	71,2N-2E	46060	541244	816.2	16867	42414	481027
2607 TEXACO, INC.	SALEM UNIT	MCCLOSKEY	71,2N-2E	11454	495810	211.6	24250	10335	366942
2608 TEXACO, INC.	SALEM UNIT	AUX VASES	71,2N-2E	22624	623389	224.2	34727	13318	374226
2636 TEXACO, INC.	SALEM U	SALEM	71,2N-2E	4048	33880	70.5	1317	1722	15566
*2637 TEXACO, INC.	SALEM U	TRENTON	1-2N-2E		806		4		15

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBLs)				
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	TOTAL CUM.	TOTAL CUM.	TOTAL CUM.
PROJECT NO., OPERATOR	U = UNIT		S = T = R				1981	12/81	1981
* * * ABO							12/81	1981	12/81
* * * P.M.							12/81	1981	12/81
SAMSVILLE N, EDWARDS *1010 ASHLAND O AND R	WEST SALEM	RETHEL	30=1N=14W		319			7	
SCHNELL, RICHLAND 3439 UNION OIL CALIF.	SCHNELL CONSOL	MCCLOSKEY	7=2N=9E		858*	0.6	44	1	327*
SEMINARY, RICHLAND *3410 R. JOHNSON	SEMINARY	MCCLOSKEY	17=2N=10E		889		25		290
SESSER C, FRANKLIN 1343 N. A. BALDRIDGE 1318 WM. & P. BECKER	GALLOWAY OLD BEN COAL FLOOD	AUX VASES	20=58=2E 15,14,23,24=4S=1E	100* 250	1015* 8252*	0.5 13.7	151 791	100* 250	1015* 5735*
1325 FARRAR OIL CO. 1330 FARRAR OIL CO.	SESSER UNIT CHRISTOPHER U	AUX VASES	26,35=58=1E/2=68=1E	90*	2599*	10.6	1035	90*	1295*
1306 WILL I LEWIS EST 1339 JOE SIMPKINS OIL	SESSER U SOUTH SESSER UNIT	RENAULT AUX VASES	24,25=68=1E; 19,30=68=2E 17,19,20=58=2E 2=68=1E	25 110*	617* 1574 872*	2.0 5.0	85 43	25* 110*	301* 75 757*
SHATTUC, CLINTON 410 T. M. CONREY, JR	SHATTUC WF	CYPRESS BENDIST	27,28=2N=1W	150*	1808*	8.8	196	150*	1269*
SHAWNEETOWN N, GALLATIN *1416 SUN OIL CO.	L. MILLER	AUX VASES	7=98=10E		357		48		163
SIGGINS, CLARK, CUMBERLAND * 216 ACME CASING 700 BELL BROTHERS * 701 COCHONOUR, CLARK 702 MARATHON OIL CO.	UNION GROUP FLOOD 1 VEVAY PARK SIGGINS	2ND SIGGINS 2ND SIGGINS 2ND SIGGINS 2ND SIGGINS	18=10N=11E 13=10N=10E 25=10N=10E 13,14=10N=10E, 7,11,12=10N=11E		23839 1224* 255 1736 112667		2/21 287 2 13506		21092 1295 103 31126*
* 215 OMER M. OOLE 707 CLIFFORD A. PERRY	SIGGINS REEDEN	SIGGINS 2ND SIGGINS	7=10N=14W 7=10N=11E 24=10N=10E		50* 10* 137*		9* 16		50* 137*
SORENTO C, BOND 7 JACK COLE * 5 JOE A. DULL	YOUNG & VONBERG U, SORENTO SOUTH	PENN LINGLE	32=6N=4W 29=6N=4W	5* 88	265* 88	0.2	13 4	5* 4	110* 57*
STAUNTON W, MACOUPIN 2400 RAY E. HOWELL	DEHNE	PENN	16=7N=7W		16*		1*		2*
STEWARTSON, SHELBY 3800 W. L. BELDEN 3801 DONALD W. GESELL	CHAFFEE-HARPER-WABASH MURT MOHAN	AUX VASES AUX VASES SPAR MTN	27=10N=5E 27=10N=5E	102 93	2907 2295	14.1 2.0	441* 161	102* 93	2907* 1785
STORMS C, WHITE *4431 ATLAS DRILLING 4204 C. E. BREHM 4438 C. E. BREHM 4241 JACK BROOKOVER 4263 JIM HALEY	MS & GP HANNA R=8 U C. S. AUSTIN W. S. HANNA STORMS POOL UNIT	TAR SPRIN WALTERSBURG WALTERSBURG PENN WALTERSBURG AUX VASES	28=58=10E 12,13=6S=9E 22=6S=9E 28=58=10E 2,11=15,22=24=6S=9E		1000* 302 5171 * * 31 611 615* 128092*		58 553 401 37 3156		1000* 590* 7210* 546 79514*
4457 JIM HALEY *4271 MABEE PET. CORP. 4451 MURVIN OIL CO.	ARMSTRONG&HALL-MYERS STORMS FERGUSON	WALTERSBURG WALTERSBURG BIEHL	1=6S=9E 22=6S=9E 32=58=10E	+ 90 +	+ 90 +	6.2 1.5	204 109	35* 10*	1135* 840*
4450 D M AND F OIL CO 4248 DENNIS PAINE	LAND ALDRIDGE	CLORE WALTERSBURG AUX VASES	32=58=10E/15=6S=10E 12=6S=9E	40* 200*	985* 6891*	3.5 6.2*	137* 334*	40* 40*	985* 840*
4380 DENNIS PAINE 4449 DENNIS PAINE	TRAINOR FECHTER-RICE	TAR SPRINGS CLORE	23=6S=9E 22=58=10E	+ 6*	680*+ 84*	6.2 0.3	117 13	+ 6*	680*+ 84*
4296 BERNARD PODOLSKY 4240 QUASAR, INC. 4415 SU. TRIANGLE CO. 4234 SUN OIL CO. 4399 SUN OIL CO.	MCQUEEN POMEROY STORMS UNIT (WILSON) S STORMS EXTENSION N STORMS EXT COUP	DEGONIA CLORE AUX VASES WALTERSBURG WALTERSBURG WALTERSBURG TAR SPRINGS AUX VASES	32=58=10E 28,33=58=10E 22=6S=9E 12,13=6S=9E 1,12=6S=9E/16=6S=10E		1873 5 503* 623* 8101*+ 1168 13246* 1976 25048*		210 30 677* 759* 1178*		721 228* 6097*+ 11422* 21699*
*4295 TAMARACK PET. *4327 TAMARACK PET. 4366 TAMARACK PET. *4372 TAMARACK PET. 4285 TARTAN OIL CO.	HANNA CALVERT HANNA "A" HANNA FERGUSON=KUDOLPH	CLORE CLORE BIEHL BIEHL PENN	32=58=10E 32=58=10E 29=58=10E 32=58=10E 22=58=10E		1754 402 31 965 424 15* 517*		322* 2 79 *		815* 19 816 *
STRINGTOWN, RICHLAND *3411 N. C. DAVIES *3412 HELMERICH, PAYNE *3413 SKELLY OIL CO.	STRINGTOWN STRINGTOWN WF PETER VON ALMEN	STE GEN STE GEN STE GEN	31=5N=14W 31=5N=14W 31=5N=14W		257 171 324		19 5 59		289 57 242
SUMPTER E, WHITE 4381 DEE DRILLING 4420 DEE DRILLING *4408 EAGLE SUPPLY CO	BOND=HENDERSON W CROSSVILLE S UNIT CARTI	OHARA OHARA AUX VASES SPAR MTN	20,29=48=10E 20,29,30=48=10E 12=58=9E	+ 50*	1167*+ 3250* 787	0.1+ 2.3	60 166* 292*	+ 50*	652*+ 1790* 336*
4231 T. W. GEORGE EST. 4425 HERTZING PROD. CORP. 4424 BLAGTER PRODUCING	SUMPTER E CHERRY SHOALS UNIT W CROSSVILLE U	AUX VASES SPAR MTN CYPRESS OHARA	29,31,32=48=10E/ 5,6= 58=10E 17,20,21=48=10E 20,29=48=10E	71 20* 325*	4239 1084* 4700*	8.0 1.0 11.8	352 55* 231*	57 20* 325*	1397 794* 3255*
SUMPTER N, WHITE 4421 SHAKESPEARE OIL 4423 WARRIOR OIL CO.	SUMPTER NORTH U MORRILL	AUX VASES AUX VASES	20,29=48=9E 21=48=9E	66 12	2495 268	2.7 1.4	156 100	64 12	1048 268

in Illinois, 1981—continued

***** RESERVOIR STATISTICS (AV. VALUE) ***** DEVELOPMENT AS OF 12-31-81 ***** INJECTION WATER *****															
***** FIELD, COUNTY ***** NO. OF ***** SOURCE ***** TYPE *****															
PROJ.	DEPTH	NET	PDR	(MD)	GRAV	FIRST	DATE	DATE	WELLS	ACRES	SD=SAND	(F)=FRESH	(B)=BRINE	(M)=MIXED	REMARKS
NO.	(FT)	PAY	(%)	(API)	INJ.	INJ.	*PROD.	INJ.	*PROD.	INJ.	SH=SHALLOW	(M)=MIXED	(M)=MIXED		

SAMSVILLE N, EDWARDS															
*1010	2930	5.0					09-54	02-59	1	1	20	PRODUCED (B)			
SCHNELL, RICHLAND															
3439	2988	15.0					39.5	08-68	1	1	103	PRODUCED (B)		*INJ.SUSP.	
SEMINARY, RICHLAND															
*3410	3000	8.0					36.0	02-54	04-57	2	4	120	CYPRESS (B)		
SESSER C, FRANKLIN															
1343	2670	12.0						01-70		1	7	80	PRODUCED (B)		*EST.
1318	2600	18.0						07-64		8	18	410	PENN SD, PROD (B)		*EST.SINCE 1973
	4375	20.0								1	2	60			
	1325	2600	15.0	18.0	10			05-65		6	18	360	CYPRESS, PHOD (B)		*ESTIMATED SINCE 1977
	1330	2570	10.0					10-69		1	5	60	CITY WATER (F)		*EST SINCE 1976
		2600	6.0							3	5	80			
*1306	2690	5.0					39.4	08-58	01-70	6	6	220	LAKE, PROD (M)		
1339	2610	15.0						10-74		2	6	140	PRODUCED (B)		*ESTIMATED
SHATTUC, CLINTON															
410	1285	6.0					34.6	07-59		3	8	110	TAR SPH, PROD (B)		*ESTIMATED
	1436	9.0					35.0	01-64		2	2	40			
SHAWNEETOWN N, GALLATIN															
*1416	2750	15.0					37.0	11-59	09-66	2	1	30	PENN SD (B)		
SIGGINS, CLARK, CUMBERLAND															
* 216	404	31.0	18.0	51	36.0		12-46	01-72	92	84	459	GRAV, PROD (M)			
700	320	18.9	18.9	73	35.9		09-50			14	80	SURFACE (M)		*INJ.SUSP,81;ADJ.TO ACTIVE WF	
* 701	600	16.0	20.3	349	30.1		12-50	12-56	2	4	14	LAKE, PROD (M)			
702	400	32.0	17.5	56	36.4		06-42		337	446	2019	GRAV, PROD (F,B*)		*SINCE 1970	
* 215	450	36.0	21.5	40	33.8		04-52	01-74	30	27	135	PRODUCED (B)		*ESTIMATED SINCE 1965	
707	520	30.0						09-68		1	4	90	WELL, PROD (M)		*ESTIMATED
SORENTO C, BOND															
7	592	14.0	17.6	175	33.0		11-69		4	2	70	PENN SAND (B)		*ESTIMATED SINCE 1972	
* 5	1850	4.5	12.2	50	38.0		10-62	10-64	1	3	50	PENN SD, PROD (B)		*1964 DATA ESTIMATED	
STAUNTON W, MACOUPIN															
2400	490	10.0					32.0	05-60		2	7	40	PRODUCED (B)		*TEMP ABD,NO DATA SINCE 62
STEWANDSON, SHELBY															
3800	1750	20.0						09-59		1	3	160	PRODUCED (B)		*EST +INCL PRIM PROD
3801	1950	9.0						06-62		3	3	80	PRODUCED (B)		
	2035	10.0													
STORMS C, WHITE															
*4431	2350	15.0						06-58	12-71	2	8	100	PRODUCED (B)		*ESTIMATED
4204	2250	20.0						03-66		5	5	100	PENN SD, PROD (B)		*SINCE 1980
4438	2260	14.0						10-67		*	4	40			*ADJ TO ACTIVE WF, +ESTIMATED
4241	1319	9.0						04-63		1	1	20	TAR SPH, PROD (B)		
4263	2240	10.0	19.0	250	34.0			03-56		73	41	1100	RIVER, PROD (M)		*ESTIMATED
	2980	15.0						01-64		17	18	350			
4457	2410							1-66+		+	2	30			*EST.+ADJ.TO 4399 SINCE 66
*4271	2240	15.0						07-51	06-53	1	2	40	PENN SD, PROD (B)		
4451	1850	4.0								+	3	30			*EST.+ADJ.TU PROJ.4372&4395
	2100	11.0								+	3	30			
4450	2100	15.0						6-67		1	3	50	PRODUCED (B)		*EST.+INCL PRIM SINCE 1958
4248	2275	15.0	18.4	173				06-64		3	3	75	PURCHASED (M)		*ESTIMATED SINCE 1973
	2990	16.0	17.1	47						3	3	60			
4380	2250	12.0						03-69		1	7	90	PRODUCED (B)		*DATA EST; +INJECTION SUSP 1975
4449	2085	6.0						6-70		1	3	40	PRODUCED (B)		*ESTIMATED
	2155	6.0								1	4	50			
*4296	2550	6.0						06-60	01-66	5	5	100	SH SD, PROD (M)		
	2580	12.0								6	7	150			
4240	2750	12.0	16.5	54	36.0			06-66		4	2	80	SH SD, PROD (M)		*ESTIMATED
4415	2250	22.0	19.5	225	34.8			07-67		4	10	200	PENN SD, PROD (M)		
4234	2250	19.0						07-66		10	10	180	RIVER GRAV, PROD (M)		*ADJUSTED BY OPERATOR
4399	2290	20.0	20.0	200	36.0			06-64		17	16	400	PENN SD, PROD (M)		*ADJUSTED BY OPERATOR
	2390	10.0	18.5	100											
	2980	15.0	18.0	30											
*4295	2100	10.0	18.0	150	34.8			08-60	01-71	3	3	120	PENN SD, PROD (B)		*INCL 4372
*4327	2100	10.0	18.0	150				08-60	12-64	1	1	20	SH SD, PROD (M)		
4366	1830	7.0	18.6	170				02-68		1	2	25	PRODUCED (B)		
*4372	1826	14.0	20.1	289	34.8			12-62	09-71	3	3	40	SH SD, PROD (M)		*INCL WITH 4295
4265	1480	27.0	20.0	200	34.0			12-68		3	1	40	SH SD (F)		*ESTIMATED
STRINGTOWN, RICHLAND															
*3411	3000	10.0	18.0					12-53	09-58	2	3	80	TAR SPRINGS (B)		
*3412	3026	7.0					38.0	10-54	12-57	2	2	70	CYPRESS, PROD (B)		
*3413	3002	12.0					36.0	12-53	12-63	1	2	80	PENN SD, PROD (B)		
SUMPTER E, WHITE															
4381	3140	18.0						02-66		3	7	70	PENN SD, PROD (B)		*ESTIMATED; +INJ. SUSP. 1978
4420	3150	11.0						04-70		3	12	220	GRAVEL & PHOD (M)		*EST +INCL PRIM
*4408	3090	15.0						07-65	01-76	3	3	50	RIVER GRAV, PROD (M)		*INJ TERMINATED 1974; *ESTIMATED
	3165	8.0							12-66	1	1	20			
4231	3020	20.0	19.7	57	37.0			10-65		3	3	170	RIVER GRAV, PROD (M)		
	3100	10.0	10.5	15	37.0										
4425	2830	25.0						04-67		2	10	150	SH SD, PROD (M)		*EST +INCL PRIM
4424	3170	10.0						06-67		3	8	140	PENN SD, PROD (B)		*EST +INCL PRIM PROD
SUMPTER N, WHITE															
4221	3170	10.3						06-66		2	4	180	SH SD, PROD (M)		
4423	3175	20.0						11-58		1	2	100	PRODUCED (B)		

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBL3)				
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	TOTAL, CUM.	TOTAL, CUM.	TOTAL, CUM.
PROJECT NO., OPERATOR	U = UNIT		8 = T = R				1981 * 12/31	1981 * 12/31	1981 * 12/31
* * * ABD									
* * * P, M,									
SUMPTER S, WHITE									
4430 FARMERS PETR COOP	SOUTH SUMPTER	TAR SPRINGS	34,35-48-9E/2,3-58-9E	99	757	14,7	184	7*	386*
4437 K W B OIL PROP. MGMT	JOSEPH JACOBS	TAR SPRINGS	34-48-9E	5	300*	1,9	23*	4	185*
*4345 SO, TRIANGLE CO.	SUMPTER SOUTH UNIT	AUX VASES	2,3-58-9E		859		81		371
*4346 SO, TRIANGLE CO.	SUMPTER NORTH UNIT	AUX VASES	34,35-48-9E		642		44		214
TAMARUA, PERRY									
3100 FARMERS PETR COOP	TAMARUA	CYPRESS	14,23-48-1W	50*	2998*	2,8	129	50*	2244*
TAMARUA S, PERRY									
3101 N. A. BALORIDGE	BAGWELL	CYPRESS	28-48-1W	50*	674*	2,3	49	50*	874*
THACKERAY, HAMILTON									
1551 GALLAGHER DRILLING	THACKERAY 3-A	AUX VASES	10,11,15-58-7E	330	13799*	8,8*	989	320	9448*
1570 GALLAGHER DRILLING	W THACKERAY UNIT	AUX VASES	9,16-58-7E	100*	3096*	6,8	950*	60*	1950*
THOMPSONVILLE E, FRANKLIN									
*1302 C. E. BREHM	E THOMPSONVILLE	AUX VASES	12-79-4E/7-78-9E		362		136		1417
THOMPSONVILLE N, FRANKLIN									
1305 BARBARA BRAGASSA	THOMPSONVILLE U	AUX VASES	10,15-78-4E		1032		125*		80*
1331 COLLINS BROS.	N THOMPSONVILLE U	AUX VASES	10-78-4E	60	1009	15,3	160		
1304 FAIRFIELD SALV.	THOMPSONVILLE U	AUX VASES	3,9,10-78-4E		178		381		360
*1303 HUMBLE D AND R	N THOMPSONVILLE U	AUX VASES	3,9,10-78-4E		2211		365		600
TUNTI, MARION									
2609 FRY OIL CO	BRANCH	BENOIST	4-2N-2E	145*	5526*	3,7	223*	165*	3857*
		MCCLOSKEY							
2634 LEIDENMAN ESTATE	TONTI FLOOD PROJ	MCCLOSKEY	33-3N-2E	125*	2155*	17,1	264	125*	3367*
2621 TEXACO, INC.	TONTI UNIT	BENOIST	4-2N-2E	1836	20681	41,6	787	2111	29747
		AUX VASES							
		SPAR MTN							
		MCCLOSKEY							
*2622 TEXACO, INC.	H, MCHACKIN	SPAR MTN	34-3N-2E		109		1		109
TRUMBULL C, WHITE									
4362 ABSEH OIL CO	TRUMBULL	CYPRESS	24-58-8E, 18-58-9E	20*	3478*	0,9	277	20*	436*
4297 AUTUMN OIL CO	R. SIMMONS	CYPRESS	25,26-58-8E	125*	1106*	7,1	81	125*	1075*
4301 AUTUMN OIL CO	SEVEN MILE FLATS	OMAHA	23,24-58-8E	8*	794*	0,2	48	8*	613*
4367 COY OIL CO	TRUMBULL U	AUX VASES	13,14,23-58-8E	150*	5627*	9,7*	567*	150*	2697*
4429 DEE DRILLING	460-SOUTH	OMAHA							
		AUX VASES	14-58-8E	80*	953*	1,5	49	80*	953*
		MCCLOSKEY							
4336 FEAR AND DUNCAN	MOORE-NIBLING UNIT	MCCLOSKEY	7-58-9E	*	*	0,7	36	10*	439*
TRUMBULL N, WHITE									
*4406 SHULMAN BROTHERS	STOCKE	AUX VASES	24-48-8E		36		1		5
		MCCLOSKEY							
VALIER, FRANKLIN									
1324 EBER MCKENDREE	RHEN-REA	AUX VASES	8-68-2E	110*	692*	6,3	79*	110*	692*
WALPOLE, HAMILTON									
1532 HERMAN GRAHAM	WALPOLE WEST U	AUX VASES	28,33-68-6E	20*	2272*	0,8	299	20*	1370*
*1518 TEXACO, INC.	WALPOLE UNIT	AUX VASES	22,26,27,34,35-68-6E		21248		2342		11723
*1546 TEXACO, INC.	WALPOLE EAST UNIT	AUX VASES	26,35-68-6E		1225		170		588
1573 TEXACO, INC.	WALPOLE STE.GEN UNIT	SPAR MTN	26,27-68-6E	12	1804*	4,9	198	155	1368
1517 UNIVERSAL OPTNG	WALPOLE UNIT	MCCLOSKEY			1486		79		977
		AUX VASES	3-78-6E						
WAMAC, CLINTON, MARION, WASHINGTON									
*2610 MINERAL REC, INC	WAMAC WATERFLOOD	PETRO	19,30-1N-1E		4		7		11
*2611 DEWEY STINSON	WAMAC UNIT	PETRO	19,30-1N-1E		531		35		221
WAMAC W, CLINTON									
4021 G. JACKSON	JACKSON, MAROON-HODGES	CYPRESS	29-1N-1W	60*	1864*	2,8*	95*	60*	1864*
414 JET OIL CO.	WAMAC W, BENDIST U	BENDIST	22-1N-1W	288	7263	6,0*	561*	253	5417
418 JET OIL CO.	WAMAC W CYPRESS U	CYPRESS	20,21-1N-1W	54	740	9,6	299	12	216
WEST FRANKFORT C, FRANKLIN									
1307 CONYERS OIL WELL	HURN-DIMOND "B"	OMAHA	24,25-78-2E		613		100*		467*
		MCCLOSKEY							
*1301 FARRAR OIL CO.	W FRANKFORT U	TAR SPRINGS	18,19-78-3E		4792		561		3021
*1308 FARRAR OIL CO.	ORIENT U	TAR SPRINGS	12-78-2E		476		79		444
1313 KILLION MCCLEM.	TEW-SINKS	AUX VASES	19,20,29-78-3E	123	2640	*	344*	*	840
*1322 KILLION MCCLEM.	BUNER-MERRINAN U	AUX VASES	31-78-3E		287		60		49
1333 KILLION MCCLEM.	SW FRANKFORT U	TAR SPRINGS	24,25-78-2E/19,30-78-3E	231	2292	25,7	245	140	1176
1342 KILLION MCCLEM.	RANSON	AUX VASES	29-78-3E	82	238	15,3	96*	70	389*
1336 SK PET. CORP.	W FRANKFORT U	AUX VASES	1-78-2E/6-78-3E	64	581*	5,4	108	64	430*
1340 S AND M OIL CO.	GARDNER-DIAMOND	OMAHA	13,24-78-2E		350		19*		350*
*1315 TEXAS AMERICAN	POND CREEK	TAR SPRINGS	25-78-2E		1031		151		336
WEST SEMINARY, CLAY									
* 346 SHULMAN BROTHERS	WEST SEMINARY UNIT	AUX VASES	5,6,8-2N-7E		4701		378		2636
		MCCLOSKEY							
WESTFIELD, CLARK, COLES									
221 ASHLEY OIL CO.	WESTFIELD TRENTON U	TRENTON	5,6,7,8,17,18-11N-14W	315*	2343*	16,3	112	200*	532*
* 231 ASHLEY OIL CO.	SHERWOOD STEAM FLOOD	CASEY GAS	32-11N-14W		1*		1		6
* 200 FOREST OIL CO.	WESTFIELD POOL	WESTFIELD	17-11N-14W		3956		15		
* 222 FOREST OIL CO.	PARKER	CASEY GAS	30-11N-14W		663		34		
224 FRAZIER ENT.	APEX	PENN	4-11N-14W	*	24*	*	1		
* 502 GEN. OPERATIONS	JOHNSON	CASEY GAS	7,18,19-11N-11E		205		13		75
			18-11N-14W						

in Illinois, 1981—continued

RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-81 * INJECTION WATER *														

FIELD, COUNTY	NO. OF WELLS	ACRES	SOURCE	TYPE	*****									
PERM OIL	DATE	DATE	NO. OF WELLS	ACRES	SOURCE	TYPE	*****							
PROJ.	DEPTH	NET	FOR	(NO) GRAV	FIRST	ABD.	INJ.	PROD.	INJ.	PROD	PRODUCED	(M)	MIXED	REMARKS
NO.	(FT)	(FT)	(%)	(API)	INJ.						SH	SD	(F)	

SUMPTER S, WHITE														
4430	2550	6.5	15.4	55	34.7	11-72		3	4	80	ONE WATER SUP WELL (F)			*ESTIMATED
4437	2550	10.0				3-74		1	1	20	PRODUCED (B)			*ADJUSTED
*4345	3240	10.7	19.0	55	36.2	09-63	07-70	5	4	100	SH SD, PROD (M)			
*4346	3240	11.7	19.0	55	36.2	10-63	07-70	4	3	70	PENN SD (F)			
TAMARQA, PERRY														
3100	1140	10.0	24.3	349	31.5	12-61		3	4	180	POND, PROD (M)			*ESTIMATED SINCE 1973
TAMARQA S, PERRY														
3101	1125	12.0			27.6	01-62		1	4	60	PRODUCED (B)			*ESTIMATED
THACKERAY, HAMILTON														
1551	3368	15.0	24.0	270		04-64		9	6	420	CYP, PROD (B)			*EST. SINCE 1980
1570	3350	16.0	20.3	174	39.2	12-69		3	3	120	CYPRESS (B)			*EST. SINCE 1980
THOMPSONVILLE E, FRANKLIN														
*1302	3200	18.0	21.1	98	38.0	07-54	01-71	3	3	60	PRODUCED (B)			
THOMPSONVILLE N, FRANKLIN														
*1305	3120	16.0	19.5	50	38.6	03-54	01-64	7	3	176	LAKE, PROD (M)			*NO DATA SINCE 1962
1331	3100	15.0				11-68		2	6	120	PENN SD, PROD (B)			*EST. SINCE 1980
*1304	3020	15.0	21.0	115	37.0	01-56	12-64	7	7	236	LAKE, PROD (M)			
*1303	3075	25.0	22.0	170	37.5	10-55	04-62	5	5	100	CYP, PROD (B)			
TONTI, MARION														
2609	1950	6.0			36.2	04-59		2	3	60	PRODUCED (B)			*EST; *INCL PRIM PROD SINCE 4-59
	2122	7.0						1	2	40				
2634	2152	10.0			36.0	02-67		1	4	50	PRODUCED (B)			*ESTIMATED SINCE 1975
2621	1940	18.0				05-75		10	12	300				
	2010	20.0			36.0	05-75								
	2110	8.0	17.3	169		02-64								
	2140	18.0	19.1	196		02-64				140				
*2622	2108	8.0	17.3	169	36.0	03-64	12-65	1	2	30	PRODUCED (B)			
TRUMBULL C, WHITE														
4362	2848	12.0	16.0	40	35.0	11-62		6	4	180	SH SD (F)			*ESTIMATED SINCE 1972
4297	2800	8.0				06-65		1	2	30	PRODUCED (B)			*ESTIMATED
4301	3180	8.0				01-66		2	7	90	PRODUCED (B)			*ESTIMATED
4367	3150	11.0	18.0		38.4	01-71		6	19	300	SAND (M)			*ESTIMATED SINCE 1973
	3200	16.0						1	5	60				
4429	3120	15.0				10-69		1	2	50				*ESTIMATED
	3230	8.0						1	2	30				
4336	3283	5.0	12.8	136	37.0	11-61		*	1	40	TAR SPR, PROD (B)			*U.F., UNKNOWN +ESTIMATED
TRUMBULL N, WHITE														
*4406	3320	10.0			36.0	09-65	09-66	1	1	20	CYPRESS (B)			
	3468	7.0						1	1	40				
VALIER, FRANKLIN														
1324	2670	8.0			39.2	11-64		1	1	70	PRODUCED (B)			*ESTIMATED; *INCL PRIM PROD
WALPOLE, HAMILTON														
1532	3200	15.0	22.1	190	39.0	07-62		4	4	160	PENN SD, PROD (B)			*ESTIMATED SINCE 1971
*1518	3100	15.4	19.3	106	36.2	12-60	04-69	14	19	1640	PENN SD, PROD (B)			
*1546	3100	17.0	15.4	18	36.7	09-63	01-69	4	3	160	PENN SD, PROD (B)			
1573	3200	12.0	18.0		37.6	03-73		4	2	280	PROD SUPPLY (B)			
	3250	18.0	10.0											
*1517	3180	18.0	20.3	134	37.4	01-60	09-66	4	3	80	PENN SD, PROD (B)			*EST FOR 1964-1966
WAMAC, CLINTON, MARION, WASHINGTON														
*2610	765	18.0	21.3	220	35.0	05-54	10-65	6	15	120	CITY WATER (F)			
*2611	790	20.0	20.3	183	30.0	07-57	12-60	6	13	50	CITY WATER (F)			
WAMAC W, CLINTON														
4021	1300	7.5				11-66		1	5	70	PRODUCED (B)			*EST; *INCL PRIM PROD SINCE 1966
414	1450	18.6				11-62		1	9	50	LAKE, PROD (M)			*INCL PRIM PROD SINCE 11-62
418	1280	8.8				10-65		2	6	30	PENN SD, PROD (B)			
WEST FRANKFORT C, FRANKLIN														
*1307	2760	10.0	15.0	205	38.0	07-59	12-72	1	2	60	PRODUCED (B)			*ESTIMATED SINCE 1967
	2845	7.0						1	2	60				
*1301	2050	31.3	17.1	155	40.3	11-57	07-65	6	6	141	CYPRESS, PROD (B)			
*1308	2050	12.1			40.1	09-59	12-63	4	3	70	CYPRESS, PROD (B)			*INACTIVE 18 MO SINCE 1973
1313	2730	12.0			38.0	09-62		2	1	120	LAKE, PROD (M)			
*1322	2750	12.0			38.0	08-65	12-73	2	2	70	PENN SD, PROD (B)			
1333	2050	40.0			38.0	02-71		4	20	120	LAKE & PROD (M)			
	1342	2735	15.0		38.0	12-76		1	5	80	LAKE (F)			*ADJUSTED
1336	2720	8.0				10-71		2	3	40	LAKE (F)			*ESTIMATED
*1340	2750	11.0				11-66	10-72	4	10	210	PRODUCED (B)			*ESTIMATED=NO DATA RECEIVED
*1315	2060	10.0	17.1		38.0	08-62	12-67	2	3	70	PRODUCED (B)			
WEST SEMINARY, CLAY														
*346	2970	9.0	19.0		37.2	03-64	12-68	15	8	290	PENN SD, PROD (B)			
	3080	9.0						4	5	180				
WESTFIELD, CLARK, COLES														
221	2390	60.0	4.0		39.0	01-75		13	37	1000	CITY WATER (F)			*ESTIMATED SINCE 1977
*231	290	20.0	20.0	290	25.0	02-64	04-64	2	1	10	*ONE TON OF STEAM, STEAM SOAK			
*200	290	15.0	19.0	17	34.0	01-66	03-70	20	9	30	GRAVEL BED (F)			
*222	270	25.0	17.9	153	28.1	06-50	04-61	9	12	20	GRAVEL BED (F)			
224	340	60.0			34.8	03-67		6	5	40	CARPER, WELL (M)			*INJECTION DISC. 1977
*502	320	35.0	21.5	86	29.0	06-51	12-62	30	14	60	LAKE, PROD (M)			

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBLs)					
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	TOTAL CUM.	TOTAL CUM.	TOTAL CUM.
PROJECT NO., OPERATOR	U = UNIT		S = T = R				1981	12/81	1981
ABD							1981	12/81	1981
P.M.							1981	12/81	1981
WESTFIELD E, CLARK 206 JUDITH NEUMAN	MORRILL	PENNSYLVNIN	12=11N-14W	35*	631*	2.2	60	35*	474*
WHITTINGTON, FRANKLIN *1329 T. W. GEORGE EST.	WILCOX	HARDINSBURG	20,29=5S-3E		180		23		90
1338 M & W OIL CO	STEEL-LAKE	CYPRESS	19=5S-3E	100*	1249*	6.1	116	100*	1300*
1341 M & W OIL CO	WHITTINGTON SOUTH U	HARDINSBURG	29,30=5S-3E	140*	1970*	6.6	159	140*	1795*
1337 JUNIPER PETROLEUM C	BE WHITTINGTON	CYPRESS	21,28,29,32,33=5S-3E	131	2225	6.5	161	109	1501
		OHARA							
		MCCLOSKEY							
1334 T. W. TUCK	WHITTINGTON	HARDINSBURG	20=5S-3E	68*	2125	4.7	121	68*	1189
		CYPRESS							
WHITTINGTON W, FRANKLIN *1344 JOHN C. BOWERS	PLAINS PL.	RENAULT	12=5S-2E		760*		137*		760*
*1312 KEWANEE OIL CO.	PLAINS	RENAULT	1,2,11,12,14=5S-2E		3375		363		1137
WILBERTON, FAYETTE 1246 W. L. BELDEN	ST PETER AREA	CARPER	11,12,13=5N-2E/7,17,18,19=5N-3E	61	12375	15.2	974*	61*	9664*
WILLIAMS C, JEFFERSON 2019 N. A. BALDRIDGE	WILLIAMS SOUTH UNIT	AUX VASES	10,11=3S-2E	30+	2048*	0.8	526*	30+	1266*
2028 WALTER DUNCAN	HODGE	BENDIST	2=3S-2E	27	547	1.7	34	27	547
2033 PEP DRILLING CO.	LEFFLER	AUX VASES	35=2S-2E/2=3S-2E	36	1347*	4.1	156*	36*	1347*
2032 BERNARD PODOLSKY	MCLAUGHLIN	BENDIST	2=3S-2E	15*	345*	2.5	35*	15*	345*
		AUX VASES							
WOBBURN C, BOND * 4 E. E. JENNEMAN	SPINDLER L&E	BENDIST	10=6N-2W		194		11		194
3 TRI STAR PROD CO	BLANKENSHIP AREA	DEVONIAN	34=7N-2W	+	263*	6.1	52**	+	455*
WOODLAWN, JEFFERSON 2005 K W B OIL PROP.	MGMTMOPPA	CYPRESS	2=3S-1E	292	3224	10.6	220	319	2920
2024 MOBIL OIL CORP.	KAMINSKI ESTATE	BENDIST	2=3S-1E	173	2089	9.0	377	186	2157
*2023 TEXACO, INC.	WALKER 7	CYPRESS	2=3S-1E		255		5		177
2034 CHARLES P. WOOD	BURKHARDT	BENDIST	35=2S-1E	10*	1040*	1.0 +	280*	10*	1040*
YORK, CLARK, CUMBERLAND * 706 C. KEYSER	CUMBERLAND UNIT	ISABEL	1=9N-10E		37				3
* 703 TRANS-SOUTHERN	YORK	ISABEL	6=9N-11E		604		20		290
ZEIGLER, FRANKLIN 1316 V. R. GALLAGHER	BEND LEASE	AUX VASES	20=7S-2E	15*	315	2.9	263*	15*	94
1320 V. R. GALLAGHER	PLUMFIELD U	AUX VASES	13,24,25=7S-1E/18=7S-2E	200*	4730	7.2	1926*	150*	2395
ZENITH E, WAYNE *4090 NAPCO	DURKEE	SPAR MTN	4=1N=6E		800*		160**		800*
ZENITH N, WAYNE *4150 T. W. GEORGE EST.	ZENITH N MCGREW	SPAR MTN	21=2N=6E		112		9		130
*4137 MOBIL OIL CORP.	ZENITH N FIELD U	SPAR MTN	21=2N=6E		501		58		206

in Illinois, 1981—continued

RESERVOIR STATISTICS (AV. VALUE)		DEVELOPMENT AS OF 12-31-81		INJECTION WATER								
FIELD, COUNTY	NO. OF WELLS	SOURCE TYPE	PERM OIL DATE	DATE	NO. OF ACRES	SD=SAND	(F)=FRESH	REMARKS				
PROJ. NO.	DEPTH (FT)	NET PAY (FT)	POR (%)	(MD) GRAV	FIRST INJ.	ABD.	UNDER GR=GRAVEL	(B)=BINE				
				(API)	INJ.		PROD=PRODUCED	(M)=MIXED				
								SH=SHALLOW				
WESTFIELD E, CLARK												
206	370	20,0	22,0	400	34,9	01-66	4	10	60	PRODUCED (M)	*ESTIMATED	
WHITTINGTON, FRANKLIN												
*1329	2300	10,0				09-67	12-80	4	3	70	LAKE, PROD (M)	
	2530	10,0				07-64		1	1	40		
1338	2530	10,0				12-71		2	4	60	PRODUCED (M)	*ESTIMATED
1341	2300	10,0				07-72		4	12	180	PRODUCED (M)	*ESTIMATED
1337	2500	8,0				10-71		3	4	100	LAKE, PROD (M)	
	2810	8,0										
	2900	5,0										
1334	2300	10,0				08-71		3	5	90	PRODUCED (B)	
	2500	8,0						3	6	90		
WHITTINGTON W, FRANKLIN												
*1344	2740	11,0				03-62	07-71	1	5	70	PRODUCED (B)	*ESTIMATED
*1312	2675	10,0	13,0	13	38,0	02-61	05-67	7	8	270	PENN SD, PROD (B)	
WILBERTON, FAYETTE												
1246	3250	25,0				10-65		8	37	1180	BENOIST, PROD (B)	*EST +INCL PRIM PROD
WILLIAMS C, JEFFERSON												
2019	2555	11,0	17,6	50	37,0	10-64		2	3	119	PENN SD, PROD (B)	*PARTIAL WF SINCE 1-53 DATA SINCE 10-64; +ESTIMATED
2028	2500	7,0				06-67		1	1	20	PRODUCED (B)	
	2550	10,0										
2033	2580	20,0				5-60		2	3	70	PRODUCED (B)	*EST.+INCL.PRIM.SINCE 1960
2032	2525	10,0				7-66		1	1	20		*EST.+INCL.PRIM.SINCE 66
	2596	10,0						1	4	50		
WOBURN C, BOND												
* 4	1006	14,0				09-51	08-56	1	4	30	PRODUCED (B)	
3	2260	20,0			35,5	11-67		1	2	40	PRODUCED (B)	*TEMP.ABD 7-75;+INJ DISC;#ADJ.
WOODLAWN, JEFFERSON												
2005	1760	10,0				09-68		3	7	40	PRODUCED (B)	
2024	1950	17,0				01-65		1	3	40	PRODUCED (B)	
*2023	1790	10,0	14,0	225	35,9	03-64	12-65	1	2	40	PRODUCED (B)	*DISC AS WF, SHU ONLY
	1950	27,0						1	2	40		
2034	1965	22,0				11-52		2	5	70	PRODUCED (B)	*EST +INCL PRIM,SINCE 1952
YORK, CLARK, CUMBERLAND												
* 706	556	11,0	17,8	80	33,8	06-61	12-63	1	2	30	PENN SD (B)	
* 703	590	10,0	21,9	231	30,3	10-50	12-58	3	7	15	PRODUCED (B)	
ZEIGLER, FRANKLIN												
1316	2620	12,0	21,5	75	38,9	10-68		1	2	40	PENN SAND, PROD.(B)	*EST,SINCE 1980;+INCL.PRIM.68 ON SINCE POOL DISCOVERY 7-12-63
1320	2650	15,0	21,5	75	38,9	02-65		6	6	380	PENN SD, PROD (B)	*EST SINCE 1980
ZENITH E, WAYNE												
*4090	3180	8,0				02-67	12-72	2	10	220	PRODUCED (B)	*EST. +INCL PRIM 1966-72
ZENITH N, WAYNE												
*4150	3100	15,0	14,0		38,0	08-68	12-70	2	5	90	PENN SD (B)	
*4137	3100	12,9	15,3		38,0	03-59	02-68	2	4	140	CVP, PROD (B)	

TABLE 12. Illinois waterfloods for 1981, by counties

County	Number of active projects	Number of abandoned projects	Wells		Acres in waterflood projects*		Water injection (M bbl)		Oil production (M bbl)		Water production† (M bbl)	
			Water input	Producers	Subject to injection	Total production	Total 1981**	Cumulative 12-31-81**	Total 1981**	Cumulative 12-31-81**	Total 1981**	Cumulative 12-31-81**
Bond	4	3	19	27	350	570	42	2,610	8.4	221	42	1,676
Christian	8	0	72	137	3,600	6,010	4,191	63,757	182.3	5,961	3,634	36,072
Clark	7	21	534	528	4,695	12,693	1,566	204,809	46.6	9,686	576	83,040
Clay	49	43	363	642	19,809	21,904	9,791	308,360	498.8	28,965	8,890	196,555
Clinton	15 [†]	6	155	252	7,134	7,550	2,737	96,174	145.3	17,958	2,902	164,597
Coles	11	15	181	250	5,335	5,925	417	76,309	42.4	6,102	326	39,864
Crawford	50	48	1,465	1,949	25,075	32,115	17,869	1,066,865	653.7	58,906	20,493	603,548
Cumberland	5	3	347	480	2,448	2,479	1,871	117,791	81.4	14,157	1,305	33,984
Douglas	0	3	34	56	1,220	1,310	0	12,532	0.0	1,631	0	1,977
Edgar	7	1	24	62	780	760	500	18,211	72.8	1,757	500	18,011
Edwards	25 [†]	17	162	306	6,355	8,785	3,410	129,779	185.1	14,863	2,838	85,290
Effingham	17	5	70	172	3,965	4,621	2,837	81,265	140.0	8,438	2,203	53,383
Fayette	45	10 ⁺⁺	778	1,090	39,540	54,890	42,028	1,626,316	1,548.5	192,954	47,524	1,154,298
Franklin	24	20	191	320	9,453	10,669	3,459	299,337	180.7	32,189	2,716	211,137
Gallatin	28	32 ⁺⁺	321	474	11,418	14,083	2,664	162,441	195.9	22,617	1,983	69,487
Hamilton	29	48	392	574	21,972	31,928	5,278	503,412	171.5	37,989	5,646	324,744
Jasper	12	19	93	231	8,990	9,853	4,792	117,719	279.9	8,875	5,449	68,009
Jefferson	24 [†]	13	121	233	8,382	8,560	3,781	222,826	221.3	27,687	3,686	156,994 ^{††}
Lawrence	66	27	1,642	1,987	27,289	32,163	37,728	1,111,355	1,540.5	109,178	46,025	844,770
Macon	0	1	1	2	80	80	0	6	0.0	0	0	4
Macoupin	1	0	2	7	40	40	0	16	0.0	1	0	2
Madison	7	3	33	74	1,650	2,544	1,013	21,600	38.8	1,262	881	15,181
Marion	26	14	439	603	36,591	44,338	92,028	2,417,643	1,672.0	135,650	83,757	1,803,865
Montgomery	0	1	2	2	20	40	0	38	0.0	6	0	15
Perry	2	0	4	8	240	320	100	3,672	5.1	178	100	3,118
Richland	24	26	183	364	17,092	16,822	7,683	295,817	216.2	17,423	8,118	242,722
Saline	15	12	95	157	3,660	5,010	3,121	97,022	110.0	8,200	2,683	45,239
Shelby	3	1	10	17	430	670	300	5,923	26.6	960	265	5,388
Wabash	83	73	589	896	22,370	25,179	8,295	398,445	425.2	43,252	7,179	215,060
Washington	25	2	81	236	4,049	5,096	3,239	107,181	156.2	11,888	3,300	99,365
Wayne	90	62	727	1,090	52,828	61,105	18,193	748,929	586.4	61,206	14,510	407,377
White	149	111	1,689	2,257	52,721	67,393	31,584	1,062,640	1,589.9	108,096	28,442	608,584
Williamson	5	0	13	24	540	680	317	5,807	28.1	1,119	158	1,671
TOTAL	856	640	10,832	15,507	400,121	496,185	310,834	11,386,607	11,049.6	989,375	306,131	7,595,027

*Acreage data are incomplete in a few counties.

**Projects not reporting in 1981 are included as of last reporting date.

†Not all projects reported produced water.

‡Includes 1 active pressure maintenance project.

††Includes 1 abandoned pressure maintenance project.

‡‡Adjusted 1981.

TABLE 13. Illinois oil fields having active waterfloods during 1981

Field	Number of active projects	Number of abandoned projects	Wells		Acres in waterflood projects*		Water injection (M bbl)		Oil production (M bbl)		Water production† (M bbl)	
			Water input	Producers	Subject to injection	Total in production	Total 1981**	Cumulative 12-31-81**	Total 1981**	Cumulative 12-31-81**	Total 1981**	Cumulative 12-31-81**
Aden C	2	2	41	36	3,380	3,940	208	35,459	4.2	1,913	208	11,727
Akin	2	3	9	18	380	510	9	3,563	1.0	510	9	3,129
Albion C	19	11	119	217	4,364	5,958	2,682	123,258	126.1	13,497	2,464	78,584
Albion East	1	0	8	15	400	820	165	1,504	32.4	422	165	1,465
Allendale	18	21	140	188	2,993	3,403	1,100	95,414	53.7	7,642	869	36,128
Ashley	1	0	4	14	180	180	150	4,400	10.3	282	150	4,400
Ashley E	1	0	2	4	60	60	25	955	1.0	58	25	955
Assumption C	5	0	28	53	1,200	2,630	1,290	44,680	61.6	5,112	1,040	23,113
Barnhill	2	5	36	52	960	1,050	0	16,477	1.2	2,023	8	3,589
Bartelso	1	2	22	27	320	320	75	7,024	4.1	1,262	75	5,003
Beaucoup	1	0	1	3	280	367	100	1,761	1.5	22	100	862
Beaucoup S	2	0	8	11	257	257	162	10,873	5.4	492	308	9,776
Beaver Creek	1	1	2	5	50	90	27	542	1.6	45	27	425
Beaver Creek S	2	0	4	15	180	180	125	2,752	8.3	330	125	2,716
Bellair	2	1	106	130	717	747	315	96,726	13.0	2,734	315	43,727
Belle Prairie	1	0	1	8	160	160	0	620	5.1	145	0	560
Beman	1	1	6	9	280	280	33	1,390	1.1	66	33	1,074
Benton	2	0	30	45	3,390	3,390	1,496	232,982	34.2	21,414	1,126	173,214
Benton N	1	2	30	47	910	1,100	0	8,372	0.0	1,319	0	4,011
Berryville C	1	2	3	5	121	320	50	1,852	2.5	415	50	963
Bone Gap C	2	0	2	12	180	270	70	3,738	4.7	633	110	3,445
Boyd	1	0	7	18	2,133	2,133	200	77,777	6.6	4,350	200	47,599
Brown	1	0	1	2	40	40	22	509	2.4	33	11	255
Browns	3	0	24	29	930	1,036	438	6,476	21.6	921	168	2,352
Browns E	1	3	27	32	673	1,010	100	5,514	1.3	1,650	10	1,958
Bungay C	7	5	51	91	2,510	2,680	474	45,769	23.7	4,154	482	30,903
Calhoun S	1	0	1	5	40	300	8	385	4.9	177	8	385
Carlyle N	1	0	1	7	80	100	60	1,240	3.5	110	60	663
Carmi	1	0	1	2	60	60	50	558	2.2	89	50	558
Carmi N	1	0	1	4	80	80	20	1,065	1.9	81	20	825
Centerville	1	1	2	2	40	40	14	473	0.5	21	14	217
Centerville E	4	1	98	99	2,160	2,160	490	39,795	19.8	3,707	490	29,803
Central City	1	0	1	3	60	60	25	427	1.3	30	25	427
Centralia	5	2	83	110	4,704	4,824	1,345	50,086	63.5	12,446	1,587	131,238
Clay City C	101	57	711	1,162	59,432	63,173	26,899	873,564	1,107.5	65,377	24,314	561,933
Coil	3	0	6	12	510	810	255	7,254	26.7	1,438	174	3,732
Coil W	1	2	9	13	285	310	90	2,899	8.3	314	50	1,385
Concord C	3	12	56	87	1,733	2,190	132	25,347	8.5	2,592	84	14,439
Concord E C	1	2	8	10	190	190	30	1,520	1.3	121	30	1,327
Cordes	2	0	21	27	1,115	1,115	330	34,088	21.9	6,700	648	38,204
Corinth	1	0	2	2	130	180	46	350	7.5	97	30	52
Dale C	19	36	282	424	16,042	25,758	4,502	415,608	134.2	28,834	4,741	267,153
Deering City	1	0	1	4	50	50	25	587	1.4	122	25	507
Divide C	5	1	18	34	1,525	1,535	733	39,534	27.8	2,179	667	29,078
Dubois C	5	1	15	49	680	680	180	4,600	12.2	443	180	3,941
Dudley	7	0	12	50	480	460	500	6,211	72.8	1,157	500	6,011
Edinburg W	1	0	1	13	160	840	14	1,070	1.6	152	14	1,080
Eldorado C	6	4	38	65	1,800	2,560	2,251	61,455	64.6	4,788	1,818	28,521
Energy	1	0	2	4	100	130	30	1,459	5.5	104	0	1,298
Exchange N C	1	0	4	9	400	400	400	3,824	19.7	498	180	1,393
Exchange W	1	0	2	7	511	511	65	1,196	8.7	197	65	542
Frogtown N	1	0	3	8	140	140	0	0	8.1	105	0	0
Gard's Point	2	0	2	11	220	260	70	1,675	6.3	133	70	1,440
Germantown E	1	0	2	11	300	300	140	5,018	9.7	1,249	140	5,018
Goldengate C	5	13	128	123	4,789	5,150	361	36,490	28.4	3,096	361	15,614
Goldengate N C	2	1	6	7	140	140	20	1,417	0.3	174	10	795
Half Moon	2	0	7	12	550	1,560	104	13,181	6.8	954	104	5,727
Harco	2	0	8	16	310	310	255	5,212	9.4	333	250	3,147
Herald C	16	10	89	150	3,476	4,821	1,309	44,898	112.0	5,409	1,124	21,052
Hill E	2	1	5	27	380	380	32	8,508	2.3	514	26	6,422
Hord	1	0	1	2	50	70	8	212	1.4	42	8	146
Ingraham	1	1	10	22	437	692	15	2,759	3.4	855	2	1,557
Inman E C	6	7	137	186	4,410	4,795	280	64,483	24.3	10,087	275	21,437
Inman W C	12	9	86	117	2,759	3,445	818	34,537	54.7	3,917	616	18,082
Iola C	9	3	59	96	2,707	3,205	2,460	71,695	95.3	4,213	1,829	48,022

TABLE 13—continued

Field	Number of active projects	Number of abandoned projects	Wells		Acres in waterflood projects*		Water injection (M bbl)		Oil production (M bbl)		Water projection† (M bbl)	
			Water input	Pro-ducers	Subject to injection	Total in production	Total 1981**	Cumulative 12-31-81**	Total 1981**	Cumulative 12-31-81**	Total 1981**	Cumulative 12-31-81**
Irvington	7	0	16	88	960	2,000	1,478	29,212	82.9	2,320	1,478	28,659
Irvington E	3	0	4	21	250	250	140	3,970	16.8	608	140	3,970
Iuka	1	0	1	3	270	270	27	90	4.9	118	25	582
Johnson N	2	4	121	126	564	1,065	446	35,926	18.7	2,570	301	23,644
Johnson S	1	3	48	63	1,239	1,439	730	115,751	7.3	3,308	0	33,226
Johnsonville C	7	3	87	126	10,310	12,380	6,113	199,652	164.6	15,261	5,973	134,579
Johnsonville W	1	3	12	21	520	620	175	7,888	1.6	891	65	3,278
Johnston City E	2	0	8	14	260	320	238	3,948	12.6	758	125	275
Johnston City N	1	0	1	4	50	50	3	50	2.5	160	3	46
Junction E	1	0	4	5	100	100	70	1,155	2.6	75	70	961
Keensburg S	2	1	9	14	280	450	325	7,623	14.7	637	325	4,756
Kincaid C	1	0	42	69	2,200	2,500	2,807	17,742	104.1	645	2,500	11,614
King	2	2	10	12	290	360	35	3,722	3.0	410	35	2,234
Lancaster	3	0	28	45	840	1,015	70	8,269	5.4	1,941	70	2,797
Lancaster S	1	1	3	12	150	150	10	1,255	0.5	252	10	898
Lawrence	57	19	1,566	1,888	25,156	29,711	37,532	1,088,012	1,527.9	106,432	45,846	830,916
Lawrence W	1	1	12	19	447	447	50	1,606	3.9	215	50	720
Lexington	1	0	3	6	200	280	0	2,743	0.0	69	0	911
Lillyville	1	0	2	2	160	160	125	2,764	3.5	314	60	1,021
Livingston S	3	0	4	25	370	310	165	2,889	13.7	272	153	1,910
Louden	38	9	748	993	36,837	52,097	40,334	1,573,299	1,451.1	188,582	45,435	106,889
Main C	48	47	1,359	1,819	24,358	31,368	17,554	970,139	640.7	56,172	20,178	559,821
Maple Grove C	2	3	13	30	720	870	50	2,925	0.4	441	50	2,211
Marine	1	0	3	7	240	964	300	3,354	5.4	51	300	3,286
Mason N	1	0	1	3	130	130	140	2,833	2.9	185	140	2,869
Mattoon	10	9	122	189	4,155	4,595	392	65,053	41.0	5,378	301	33,337
Mattoon N	1	0	5	8	160	160	25	1,720	1.4	169	25	1,580
Maunie N C	3	8	45	72	1,670	2,510	105	17,720	12.0	3,018	69	10,105
Maunie South C	2	4	69	64	1,430	1,450	150	26,087	17.9	3,316	152	18,047
Miletus	1	0	1	1	20	20	25	369	1.8	22	25	364
Mill Shoals	9	7	53	67	2,199	2,640	454	40,627	23.6	2,937	483	21,957
Mode	1	0	5	9	160	360	105	711	10.5	354	70	686
Montrose	1	0	1	1	40	40	0	103	0.3	12	0	9
Mt. Carmel	15	17	120	159	4,433	4,700	1,463	57,355	67.1	6,035	1,022	33,153
New Harmony C	79	47	809	1,215	28,054	33,135	18,376	551,473	929.4	65,740	14,826	308,784
New Haven C	2	3	24	33	1,085	1,302	121	4,335	12.4	1,444	122	1,230
New Memphis	1	0	3	23	580	640	500	9,515	23.7	467	500	7,195
Oakdale N	1	0	3	4	120	120	140	1,924	1.9	352	175	1,818
Oak Point	1	1	20	14	360	480	40	4,278	2.1	218	40	3,965
Odin	1	0	4	9	120	290	423	9,077	2.8	1,327	423	814
Old Ripley	1	0	10	11	110	110	10	1,258	0.5	96	10	435
Olney C	1	8	33	44	2,238	2,418	57	18,030	1.6	1,596	54	11,305
Omaha	5	2	23	51	1,631	2,910	1,036	27,693	72.4	5,087	655	15,426
Omaha W	1	0	1	7	100	100	140	2,618	10.8	180	140	2,413
Orchardville	2	0	4	4	110	230	67	742	5.8	148	50	290
Orient	1	0	1	1	40	40	30	568	1.7	206	15	186
Oskaloosa	1	1	15	10	596	596	25	2,263	1.2	1,357	25	4,230
Pana	1	0	1	2	40	40	80	265	15.0	52	80	265
Parkersburg C	1	5	13	27	736	806	31	6,444	0.2	344	0	2,441
Passport	3	0	5	6	505	505	21	14,212	3.7	864	21	7,956
Patoka	3	2	72	77	1,713	1,713	352	90,405	15.3	9,107	371	70,580
Patoka E	3	1	9	27	320	580	455	13,696	37.6	1,022	515	11,431
Patoka S	3	0	34	41	860	980	472	15,590	21.9	1,294	432	10,908
Phillipstown C	24	15	164	295	5,391	7,902	3,291	68,182	302.0	13,818	2,822	42,289
Raccoon Lake	1	1	3	9	190	190	358	7,308	6.4	291	358	8,109
Raleigh	1	2	22	19	440	590	60	7,272	2.4	1,294	60	1,961
Raleigh S	2	2	8	10	310	490	145	6,091	6.0	453	145	3,711
Reservoir	2	0	2	4	130	130	25	990	4.2	164	25	990
Richview	5	0	11	33	427	367	754	19,277	18.2	1,475	351	10,552
Rochester	3	0	12	22	400	480	0	24,211	1.4	1,529	0	8,528
Roland C	17	14	256	321	10,716	13,870	6,850	222,554	220.6	19,017	7,769	120,894
Ruark	2	0	2	3	96	140	48	1,330	4.0	172	31	723
Ruark W	1	2	20	19	420	420	0	6,623	0.0	750	0	4,411
St. Francisville	1	2	5	7	140	150	0	908	0.0	29	0	318
St. Jacob	3	0	13	24	720	950	548	15,149	19.7	908	428	9,985

TABLE 13—continued

Field	Number of active projects	Number of abandoned projects	Wells		Acres in waterflood projects*		Water injection (M bbl)		Oil production (M bbl)		Water production† (M bbl)	
			Water input	Producers	Subject to injection	Total in production	Total 1981**	Cumulative 12-31-81**	Total 1981**	Cumulative 12-31-81**	Total 1981**	Cumulative 12-31-81**
St. James	7	1	22	77	1,723	1,813	1,633	41,533	84.4	3,538	2,028	38,226
Sailor Springs C	39	23	192	351	8,690	9,903	6,193	163,568	248.4	18,690	5,654	109,114
Salem C	8	5	292	397	32,597	39,444	89,123	2,312,209	1,609.8	137,202	80,697	710,092
Schnell	1	0	1	1	103	103	0	858	0.6	44	1	327
Sesser C	5	1	28	63	1,410	1,550	575	14,929	38.4	2,278	575	9,178
Shattuc	1	0	5	10	150	150	150	1808	8.8	196	150	1,269
Siggins	3	3	462	579	2,797	2,928	1,746	138,172	77.6	16,541	1,245	53,803
Sorento C	1	1	5	5	120	190	5	353	0.2	17	5	167
Staunton W	1	0	2	7	40	40	0	16	0.0	1	0	2
Stewardson	2	0	4	6	240	280	195	5,202	16.1	602	195	4,692
Storms C	16	6	166	170	3,560	4,430	5,012	196,435	189.6	8,394	4,794	135,086
Sumpter E	5	1	18	44	820	1,600	466	15,227	23.2	1,156	452	8,224
Sumpter N	2	0	3	6	280	578	78	2,763	4.1	256	76	1,316
Sumpter S	2	2	13	12	270	310	104	2,558	16.6	332	11	1,156
Tamora	1	0	3	4	180	260	50	2,998	2.8	129	50	2,244
Tamaroa S	1	0	1	4	60	60	50	674	2.3	49	50	874
Thackeray	2	0	12	9	540	540	430	16,895	15.6	1,939	380	11,398
Thompsonville N	1	3	21	21	632	726	60	6,038	15.3	1,031	0	1,040
Tonti	3	1	15	23	620	930	2,126	28,471	62.4	1,275	2,401	37,080
Trumbull C	6	0	18	42	780	830	383	11,958	20.1	1,058	393	6,413
Valier	1	0	1	1	70	70	110	692	6.3	79	110	692
Walpole	2	3	30	31	2,320	2,380	32	28,035	5.7	3,088	175	16,026
Wamac W	3	0	4	20	150	300	402	9,867	18.4	955	325	7,497
West Frankfort C	4	6	29	57	1,041	1,371	500	13,300	46.4	1,713	274	7,502
Westfield	2	4	80	78	1,160	7,850	315	7,192	16.3	176	200	613
Westfield E	1	0	4	10	60	60	35	631	2.2	60	35	474
Whittington	4	1	20	35	630	905	439	7,749	25.9	580	417	5,875
Wilberton	1	0	8	37	1,180	1,180	61	12,375	15.2	974	61	9,664
Williams C	4	0	7	12	279	332	108	4,287	9.1	751	108	3,505
Woburn C	1	1	2	6	70	180	0	457	6.1	63	0	649
Woodlawn	3	1	8	19	230	270	465	6,608	20.6	882	515	6,294
Zeigler	2	0	7	8	420	420	215	5,045	10.1	2,191	165	2,489

* Acreage data are incomplete in a few fields.

** Projects not reporting in 1981 are included as of last reporting date.

† Not all projects reported produced water.

TABLE 14. Summary of waterflood statistics, 1949-1981

Year	No. of active projects	Water injection (M bbl)		Reported waterflood oil production (M bbl)		Estimated dump flood production (M bbl)		Total oil prod. (M bbl)	Waterflood prod. % of total prod.**	No. wells in flood projects		Productive acreage		% of total acreage under flood	Cumulative	
		Annual	Cumulative*	Annual	Cumulative*	Annual	Cumulative*			Inj.	Prod.	Subjected to inj.	Total		oil recovery per acre subjected to injection (bbl)	Cumulative injected water/produced oil
1949	33	20,612	50,983	2,511	10,313	1,500	5,000	64,501	6.2	946	1,055	8,450	375,985	2.2	1,230	4.9
1950	63	44,053	99,040	3,107	13,826	1,500	6,500	62,028	7.4	1,097	1,197	14,123	397,685	3.6	979	7.2
1951	84	57,147	148,279	6,672	21,890	1,500	8,000	60,244	13.4	1,620	5,230	17,646	412,050	4.3	1,241	6.8
1952	131	72,951	221,078	8,752	29,000	2,000	12,000	60,071	17.9	2,160	5,114	31,330	425,025	7.4	926	7.6
1953	167	118,409	335,727	10,086	39,800	2,250	14,600	59,025	20.9	2,849	5,298	37,854	434,100	8.7	1,051	8.4
1954	232	176,012	512,202	15,985	55,687	2,129	17,900	67,000	27.0	3,597	6,686	59,027	500,130	11.8	943	9.2
1955	284	224,579	745,573	24,585	81,131	1,978	19,800	81,131	32.7	4,407	7,163	72,832	521,200	14.0	1,114	9.2
1956	333	271,270	1,014,900	29,600	111,700	1,700	21,500	82,314	38.0	5,307	7,687	92,350	539,315	17.1	1,210	9.1
1957	382	295,750	1,310,000	35,442	147,142	1,750	23,250	76,649	48.5	5,734	7,814	112,000	550,305	20.4	1,316	8.9
1958	443	317,153	1,606,500	40,833	187,338	2,040	25,290	80,779	53.1	6,647	8,567	122,500	562,535	21.8	1,529	8.6
1959	499	345,098	1,954,200	41,360	238,512	2,436	27,720	76,727	57.1	7,327	9,306	136,976	574,625	23.8	1,741	8.1
1960	559	376,563	2,324,200	44,789	283,862	1,750	29,470	77,341	60.2	8,062	9,855	152,823	585,045	26.1	1,857	8.2
1961	658	390,093	2,753,361	50,412	334,716	1,270	30,740	77,478	66.7	8,560	10,521	171,825	602,665	28.5	1,948	8.2
1962	717	467,318	3,144,893	49,078	379,977	1,245	31,985	78,796	63.9	8,875	10,660	186,785	612,995	30.5	2,034	8.2
1963	779	438,191	3,631,514	50,092	471,345	902	32,887	74,796	66.9	9,048	11,690	194,900	621,735	31.4	2,616	7.7
1964	848	467,691	4,099,133	47,977	520,886	660	33,547	70,168	69.3	9,731	11,497†	240,163†	629,055	45.4	1,825†	8.7
1965	938	479,347	4,526,211	43,729	531,102	500	34,047	63,708	69.4	10,091	13,651†	292,928†	635,455	46.2	1,810†	8.5
1966	929	505,583	5,281,790	43,319	612,692	200	34,247	61,982	68.3	11,194	13,912†	307,200†	641,165	47.9	1,980†	8.6
1967	896	512,808	5,745,583	43,496	666,239	None	34,247	60,115	71.6	12,893	15,427	338,100	724,600	46.7	1,970	8.6
1968†	880	518,581	6,184,083	41,260	668,907	None	34,247	56,391	73.4	13,107	15,572	347,499	729,400	47.7	1,920	9.2
1969†	882	496,763	6,747,362	37,083	699,808	None	34,247	50,724	73.1	13,326	15,953	369,730	732,429	50.5	1,895	9.6
1970†	855	457,527	7,010,480	30,880	733,045	None	34,247	43,747	70.6	13,498	16,004	372,588	751,855	49.6	1,967	9.6
1971†	869	442,543	7,470,871	27,758	754,602	None	34,247	39,084	71.0	13,873	16,842	388,426	756,265	51.4	1,940	9.9
1972†	873	441,963	7,926,055	25,381	793,442	None	34,247	34,874	72.8	13,610	16,657	389,365	760,555	51.2	2,038	10.0
1973†	863	413,456	8,321,161	21,655	815,650	None	34,247	30,669	70.6	13,797	16,854	392,385	763,925	51.4	2,079	10.2
1974†	862	384,015	8,839,803	19,193.2	843,757	None	34,247	27,553	69.7	13,944	17,145	395,634	769,415	51.4	2,133	10.5
1975†	870	370,472	9,184,065	17,579.9	872,405	None	34,247	26,067	67.4	14,364	17,989	399,823	774,945	51.6	2,182	10.5
1976†	854	376,589	9,420,804	16,607.9	873,310	None	34,247	26,272	63.2	14,585	18,243	405,089	783,065	51.7	2,131	10.8
1977†	862	364,645	9,854,794	15,046.8	898,356	None	34,247	25,608	58.7	14,544	18,575	410,439	789,175	52.0	2,189	11.0
1978†	864	342,227	10,343,389	13,163.4	915,699	None	34,247	23,362	56.3	14,490	18,620	411,864	797,835	51.6	2,223	11.3
1979†	853	332,790	10,515,779	12,114.3	928,080	None	34,247	21,793	55.6	11,469	15,709	411,974	807,435	51.0	2,253	11.3
1980†	854	325,205	10,822,865	11,483.1	938,756	None	34,247	22,702	50.6	11,054	15,405	393,571	821,615	47.9	2,385	11.5
1981†	856	309,549	11,130,688	10,928.7	949,555	None	34,247	25,490	42.9	10,816	15,402	396,061	848,925	46.7	2,397	11.7

* Current volume plus previous cumulative does not equal current cumulative because of yearly revisions.

** Waterflood oil includes estimated dump flood production. All other figures exclude dump flood production.

† Includes abandoned acreage with waterfloods and pressure maintenance.

‡ Does not include pressure maintenance data.