

Petroleum Industry in Illinois, 1980

Oil and Gas Developments

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Waterflood Operations

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Petroleum Industry in Illinois, 1980

ABSTRACT

Illinois produced 22,702,000 barrels of crude oil in 1980, an increase of 4.2 percent from 1979. The value of this crude oil is estimated to be \$800 million.

New test holes drilled for oil and gas numbered 1,921—76.7 percent more than in 1979. These tests resulted in 1,043 oil wells, 7 gas wells, and 871 dry holes. In addition, 67 former dry holes were reworked or deepened and completed as producers, and 23 former producing wells were reentered and completed as producers in new pay zones. In oil and gas exploration and development, including service wells and structure tests, total footage drilled in 1980 was 5,446,761, up 79.4 percent from 1979.

Of the 1,921 newly drilled tests for oil and gas, 357 were ½ mile or more from production (wildcats) and 53 were completed as producers, a success rate of 14.8 percent. Of the wildcat tests, 99 were drilled more than 1½ miles from production (wildcat fars). They resulted in 5 producers, a success rate of 5.1 percent.

In 1980, 245 service wells (water input, salt water disposal, etc.) were reported, an increase of 28.9 percent from 1979. Of these, 145 were newly drilled wells, and 100 were old wells converted to service wells.

Only 8 structure tests were reported in connection with oil exploration and development.

Six oil fields, 42 new pay zones in fields, and 55 extensions to fields were discovered in 1980.

Five new waterflood projects were reported by their respective operators, 5 projects were abandoned, and 1 project was reactivated. New projects increased the area subject to fluid injection by 780 pay acres; however, total pay acres under fluid injection declined by 19,721 acres during 1980.

Secondary recovery production was estimated at 11,604,600 barrels of crude oil. Waterfloods accounted for 11,483,100 barrels, or 50.6 percent of the state total, and pressure maintenance projects reported 121,500 barrels, or 0.5 percent of the state total.

ACKNOWLEDGMENTS

The cooperation of many individuals and companies in the oil and gas industry makes this report possible. We appreciate their contributions.

Part I. Oil and Gas Developments

Jacob Van Den Berg

OIL PRODUCTION AND VALUE

Illinois oil fields produced 22,701,817 barrels of crude oil in 1980, an increase of 909,062 barrels, or 4.2 percent, over 1979.

Table 1A lists by counties the number of holes drilled, the footage drilled, and the oil production in 1980. 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, the production figures for the state as a whole from another. The latter source is believed to be more accurate concerning the state's total production. The discrepancy in figures from the two sources is accounted for by the 360,303 barrels of crude oil for which the field and county assignments are not known (tables 1A and 8).

Ten counties had more than 700,000 barrels of oil production in 1980. Their combined production accounted for 73.8 percent of the total production in Illinois:

County	1980 production (bbl)	Percentage of state's total
White	3,143,019	13.8
Wayne	3,109,061	13.7
Lawrence	2,063,892	9.1
Marion	1,968,444	8.7
Fayette	1,636,276	7.2
Crawford	1,405,327	6.2
Clay	980,025	4.3
Wabash	881,396	3.9
Richland	863,888	3.8
Jefferson	708,996	3.1
TOTAL	16,760,324	73.8

Fields in Illinois that produced more than 200,000 barrels of oil each in 1980 accounted for 65 percent of the state's total production:

Field*	1980 production (bbl)	Percentage of state's total
Southeastern Illinois oil field†	3,945,746	17.4
Clay City C	3,127,002	13.8
Salem C	1,812,544	8.0
Louden	1,601,643	7.1
New Harmony C	1,281,585	5.6
Sailor Springs C	544,955	2.4
Phillipstown C	517,910	2.3
Roland C	368,556	1.6
Johnsonville C	304,608	1.3
Dale C	296,962	1.3
Keenville	285,487	1.3
Mill Shoals	232,271	1.0
Storms C	219,842	1.0
Maple Grove C	209,772	0.9
TOTAL	14,748,883	65.0

*C = Consolidated

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

The estimated value of crude oil produced in Illinois in 1980 is \$800 million.

1980 DRILLING

In 1980, 2,264 wells were completed in connection with oil and gas exploration and development (table 1A), 70.5 percent more than in 1979. 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 and old holes converted to service wells, and structure tests.

In testing for oil and gas, 1,921 new holes were drilled in 1980, up 76.7 percent from the 1,087 drilled in 1979. Wells in secondary and tertiary recovery projects are included. These tests resulted in 1,043 oil wells, 7 gas wells, and 871 dry holes. In addition, 67 former dry holes were reworked or deepened and completed as producers, and 23 former producing wells were reentered and completed as producers in new pay zones. A total of 245 service wells (water input, salt water disposal, etc.) was reported in 1980, an increase of 29 percent over 1979; these include 145 new wells drilled and 100 old wells converted to service wells. Only 8 structure tests in connection with oil and gas exploration and development were reported.

Of the 102 counties in Illinois, 54 had new holes drilled in 1980. Eleven counties accounted for 72.7 percent of these new holes: Crawford (256), White (232), Wayne (202), Clay (163), Jefferson (95), Wabash (93), Edwards (91), Jasper (84), Hamilton (68), Richland (57), and Marion (55).

Total footage drilled in 1980 in connection with oil and gas exploration and development, including service wells and structure tests, was 5,446,761, an increase of 79.4 percent from 1979. For the 1,921 new holes drilled as oil and gas tests, the total footage was 5,211,907, an average of 2,713 feet per well compared with an average of 2,673 feet per well in 1979.

The increased drilling activity in Illinois in 1980 resulted from the increase in the price of crude oil.

Discoveries

Six oil fields and 42 new pay zones in fields were discovered in 1980 (fig. 1; tables 2 and 3). There were 55 extensions to fields (table 4). Two of the new fields produce from the Pennsylvanian, 3 from the Mississippian, and 1 from the Silurian. Of the 42 new pay zones, 37 are of Mississippian age and 5 are Devonian.

Nashville North in Washington County, with production from the Devonian, appears to be the best of the new fields. Four producing wells were reported by the end of the year, and more than 20 additional permits to drill had been issued. The other new fields had only one or two wells each and significant further development appears unlikely.

Exploration

Of the 1,921 new tests for oil and gas in 1980, 357 were wildcats (½ mile or more from production). Fifty-three of the wildcats were completed as producers, a success rate of 14.8 percent. Of the 258 wildcats drilled between ½ and 1½ miles from production (wildcat nears), 48 were producers, a success rate of 18.6 percent. The 99 wildcats drilled more than 1½ miles from production resulted in 5 producers, a success rate of 5.1 percent.

Fifty of the 54 counties in which new oil and gas tests were drilled had at least one wildcat test, including wildcat nears and wildcat fars. White County led with 46 wildcats, followed by Wayne (33), Hamilton (23), Jefferson (22), Franklin (19), Marion (16), Edwards (14), Washington (14), Lawrence (13), Clay (12), Macon (12), and Jasper (12).

Deeper production was discovered in 24 oil fields in 1980: Aux Vases production in Friendsville Central; Ohara in Junction East and Sumpter West; Spar Mountain in Oak Point West; McClosky in Black River, Friendsville Central, Hunt City, and Samsville Northwest; St. Louis in Browns, Hildalgo, Lancaster Central, and West Frankfort Consolidated; Salem in Albion Consolidated, Coil North, Kell East, Maunie North Consolidated, Parkersburg West, Passport South, Pixley, and Samsville Northwest; Ullin in Albion Consolidated, Belle Rive, Johnsonville Consolidated, Maunie North Consolidated, and Phillipstown Consolidated; and Devonian in Belle Rive, Iola South, Mill Shoals, and Sailor Springs Consolidated.

Unsuccessful exploratory tests to find deeper production were drilled in 66 fields in 1980. In eight of these fields, the deepest rocks tested were St. Louis or younger. The Salem-Ullin interval was the deepest tested in 43 fields, the Ft. Payne in 2 fields, and the Trenton in 1 field.

Drilling for Salem and Ullin production continued at a good pace in 1980. A total of 558 tests bottomed in the Salem or Ullin. A total of 221 Salem and/or Ullin producers were completed in 45 fields. Twelve of the 42 new pay zones discovered in fields were Salem or Ullin.

The deepest well reported in 1980 was a Devonian test drilled to a total depth of 6,119 feet in Maunie North Consolidated field in White County (#44, table 3, fig. 1).

In Mill Shoals field in White County, a well was completed as a producer from a Dutch Creek

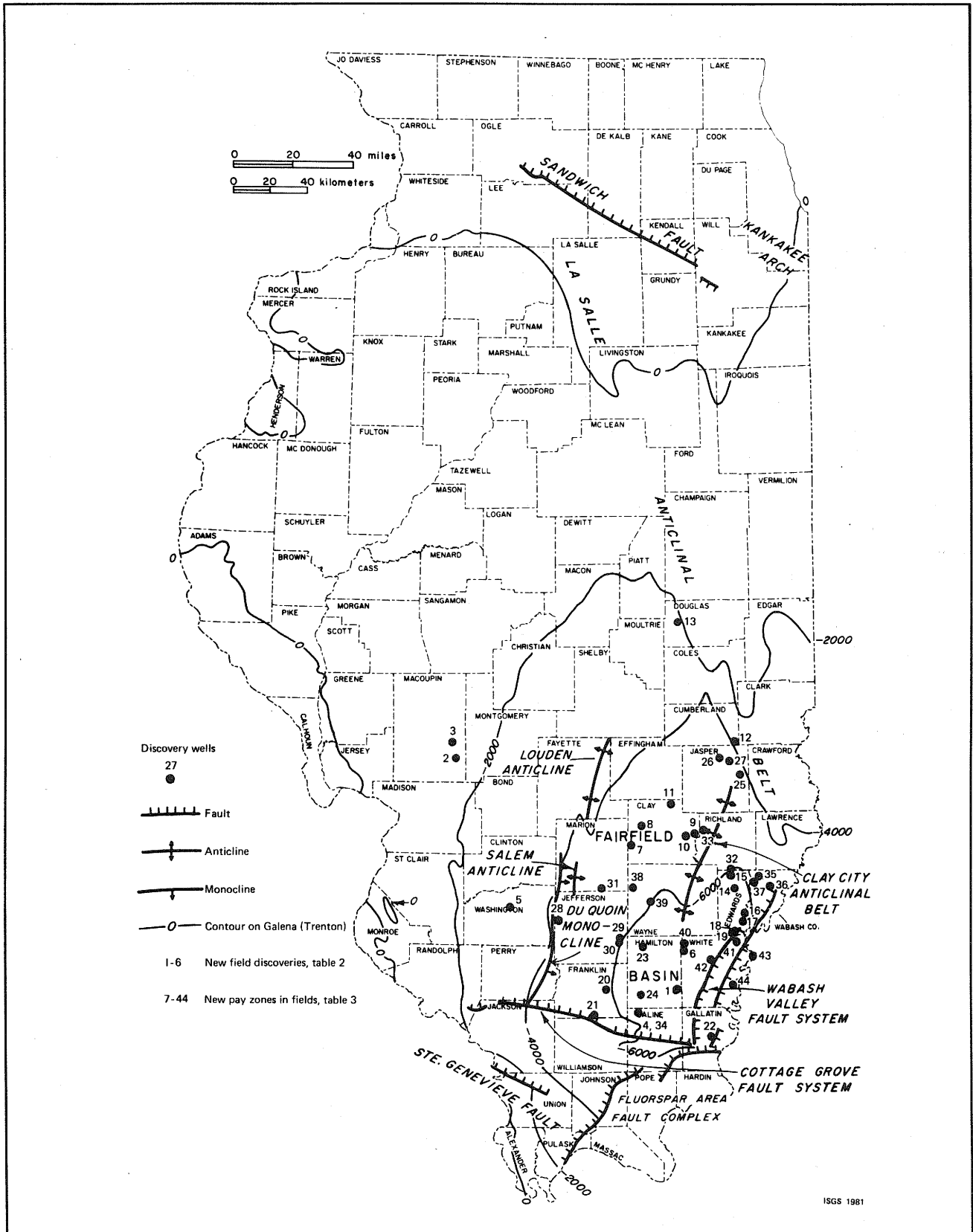


Figure 1. Major tectonic features in Illinois and their relation to the discovery wells of new fields and new pay zones in fields drilled in 1980. Numbered holes are shown in tables 2 and 3.

(Devonian) open hole at 5,380 to 5,405 feet total depth (#40, table 3, fig. 1). This is the deepest producer in Illinois.

Many wells were completed with very good production from formations—especially the Aux Vases Sandstone and Ste. Genevieve Limestone—which have been producing for many years and might have been considered thoroughly explored.

Amity South, a 5-well Ste. Genevieve field in Richland County, was discovered in 1953. In 1980, production in the field was extended with the completion of 4 Ste. Genevieve producers that had a combined initial daily production of more than 1,500 barrels of oil.

Oil was discovered in the Hidalgo area of Jasper County in 1940. Hidalgo, Hidalgo East, and Hidalgo South fields produced from a combined total of 33 Aux Vases and Ste. Genevieve wells. In 1980, production was extended in the 3 fields with the completion of 33 Ste. Genevieve producers. Initial daily production figures ranged from 2 to 114 barrels of oil and averaged 24 barrels. Permits have been issued for more than 50 additional tests in the area.

Maple Grove Consolidated field in Edwards and Wayne Counties was discovered in 1943. Production is mostly from the Aux Vases and Ste. Genevieve. In 1980, production was extended in the Wayne County portion of the field with the completion of 21 producers, all but 2 producing from the Aux Vases and Ste. Genevieve. These latter wells had initial daily production figures that averaged 124 barrels of oil per day and ranged as high as 348 barrels of oil per day for 1 Aux Vases well.

In Clay City Consolidated field, in an area extending several miles northeast from the town of Clay City in Clay County, a number of excellent wells were completed with production mostly from the Ste. Genevieve and Salem. Twenty-one of the wells had initial production rates that ranged from 100 to 400 barrels of oil per day. More significant is the fact that the oil in this area is stratigraphically trapped in a syncline. After years of domination by the anticlinal theory, much future exploration in Illinois probably will be directed toward the discovery of such pure stratigraphic traps.

Indications are that drilling in 1981 will match or exceed the pace set in 1980. Exploratory objectives mainly include deeper production in

existing fields—primarily from the Salem-Ullin interval, but also from Devonian and Silurian rocks—and the extension of old pools.

FIELDS REVIVED AND ABANDONED

Thirteen abandoned fields were revived in 1980: Belle Prairie West, Hamilton County; Beman East, Lawrence County; Calhoun East, Richland County; Dahlgren West, Jefferson County; Elba, Gallatin County; Enfield South, White County; Hunt City, Jasper County; Lancaster Central, Wabash County; Parkersburg West, Richland and Edwards Counties; Pixley, Clay County; Sailor Springs North, Clay County; Samsville Northwest, Edwards County; and Sumner South, Lawrence County.

Five fields were abandoned in 1980: Ferrin, Clinton County; Hickory Hill, Marion County; Oakley, Macon County; Ste. Marie East, Jasper County; and Zenith, Wayne County. These fields had a combined total of 30 wells and total cumulative production of 109,000 barrels of oil.

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 9,270 acres were added to the area productive of oil, and an estimated 130 acres were added to the area productive of natural gas in 1980. The total area in Illinois that has been proven productive of oil is 630,200 acres, and of gas, 36,920.

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.

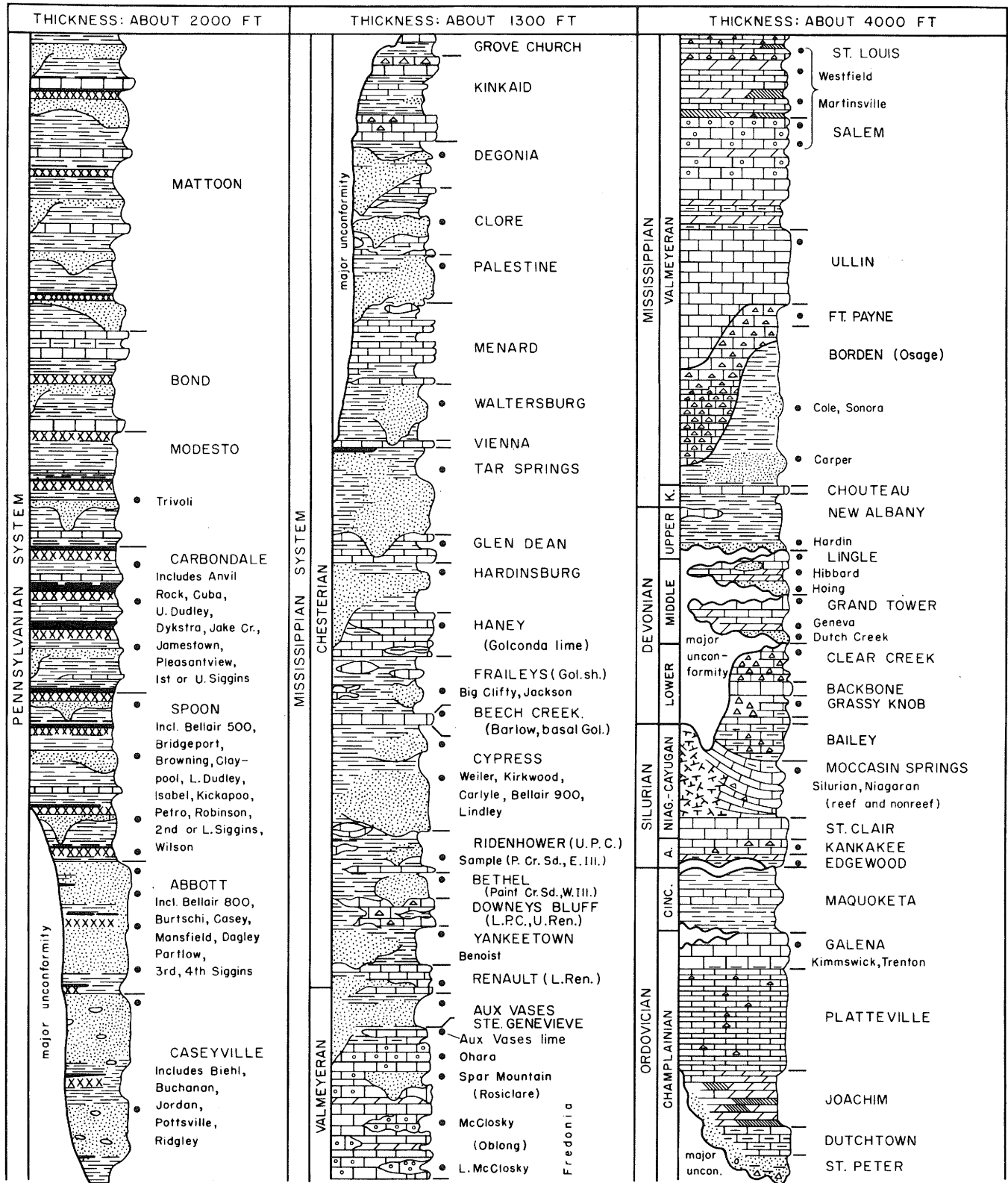


Figure 2. Generalized geologic column of southern Illinois. Solid dots indicate oil and gas pay zones. Formation names are in capitals; other pay zones are not. About 4,000 feet of lower Ordovician and upper Cambrian rocks under the St. Peter are not shown. The names of the Kinderhookian, Niagaran, Alexandrian,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

GAS PRODUCTION

Approximately 1,574 million cubic feet of natural gas was produced and marketed in Illinois in 1980, compared with 1,585 million cubic feet in 1979.

Johnston City East field in Williamson County sold 0.3 million cubic feet of gas to Murphysboro, Carbondale, Benton, and Du Quoin. Raleigh field in Saline County provided 7.5 million cubic feet to cities in Saline County. Harco South field in Saline County furnished 8.0 million cubic feet to Harrisburg and Eldorado. From Mattoon field in Coles County, 450.4 million cubic feet was sold in the Effingham, Mattoon, and Paris areas. Eldorado East field in Gallatin County provided 32.9 million cubic feet to the Equality and Carmi areas. Eldorado Consolidated field in Saline County furnished 35.0 million cubic feet to Eldorado. From Waggoner field in Montgomery County, 1.0 million cubic feet was sold in the Virden area. Gas from abandoned mines in Saline County, in the amount of 97.6 million cubic feet, was sold to United Cities Gas Company in Eldorado.

From Stubblefield South field in Bond County, 18.3 million cubic feet of gas went into the Illinois Power Company system. Illinois Power Company also purchased 95.4 million cubic feet from New Athens field in St. Clair County, 115.4 million cubic feet from St. Libory field in St. Clair County, and 6.9 million cubic feet from Eden field in Randolph County for its transmission line in southwestern Illinois. From St. Jacob East field in Madison County, 5.3 million cubic feet was distributed by Illinois Power Company. Production from Fishook field in Pike County, in the amount of 342.8 million cubic feet, was sold to Central Illinois Public Service. Grandview and Inclose fields in Edgar County provided Central Illinois Public Service with 117.0 cubic feet.

Keenville field, Wayne County, supplied 240.4 million cubic feet of gas from oil wells, which was processed and put into the Trunkline Gas Company 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 1980, 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 1980

County	Production tests							Service wells					Total oil production (bbl)	
	Permits to drill	Total completions	New holes		D&A to prod.*	Prod. to prod. in new pay zones	Footage drilled	New service wells	Conversions		Footage drilled	Structure tests		Total footage drilled
			Prod.*	D&A					Were prod.	Other†				
Adams	6	5	3	2	-	-	3,352	-	-	-	-	-	3,352	5,323
Bond	23	14	2	8	-	-	17,013	-	3	1	-	-	17,013	61,804
Brown	19	8	1	7	-	-	5,306	-	-	-	-	-	5,306	5,692
Calhoun	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Champaign	1	1	-	1	-	-	322	-	-	-	-	-	322	-
Christian	53	30	17	13	-	-	50,976	-	-	-	-	-	50,976	311,110
Clark	156	40	29	6	-	-	27,116	2	-	3	729	-	27,845	387,634‡
Clay	287	184	114	49	6	2	551,751	1	8	4	900	-	552,651	980,025
Clinton	46	28	13	13	-	-	54,667	2	-	-	2,343	-	57,010	399,618
Coles	41	28	14	10	1	2	49,185	-	1	-	-	-	49,185	125,918
Crawford	577	380	199 (1)	56	5	-	308,398	104	6	1	110,502	8	426,914	1,405,327
Cumberland	14	8	1	7	-	-	17,122	-	-	-	-	-	17,122	‡
De Witt	1	1	-	1	-	-	1,350	-	-	-	-	-	1,350	93,228
Douglas	10	4	-	3	1	-	4,200	-	-	-	-	-	4,200	10,153
Edgar	14	10	3 (3)	3	-	-	25,678	1	-	-	200	-	25,878	87,485
Edwards	161	103	41	50	8	1	334,661	-	2	1	-	-	334,661	487,057
Effingham	31	31	17	9	-	-	61,316	2	3	-	3,689	-	65,005	256,619
Fayette	30	19	10	3	1	-	29,790	1	4	-	1,327	-	31,117	1,636,276
Franklin	67	46	13	29	2	-	146,554	-	1	1	374	-	146,928	543,562
Gallatin	54	29	14	14	-	-	82,579	1	-	-	2,885	-	85,464	397,289
Hamilton	145	74	35	33	2	3	273,051	-	1	-	-	-	273,051	500,500
Hancock	2	1	-	1	-	-	500	-	-	-	-	-	500	1,998
Jackson	4	1	1	-	-	-	3,325	-	-	-	-	-	3,325	1,444
Jasper	192	96	56	28	6	1	225,958	2	2	1	5,265	-	231,223	608,019
Jefferson	134	105	43	52	5	3	296,930	-	1	1	-	-	296,930	708,996
Johnson	-	2	-	2	-	-	4,530	-	-	-	-	-	4,530	-
Knox	1	1	-	1	-	-	555	-	-	-	-	-	555	-
La Salle	1	1	-	1	-	-	5,800	-	-	-	-	-	5,800	-
Lawrence	116	58	27	22	2	-	108,406	6	1	-	8,914	-	117,320	2,063,892
Lee	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Livingston	-	1	-	1	-	-	520	-	-	-	-	-	520	-
Logan	1	1	-	1	-	-	1,700	-	-	-	-	-	1,700	-
McDonough	25	4	-	4	-	-	2,409	-	-	-	-	-	2,409	20,747
McLean	1	1	-	1	-	-	1,055	-	-	-	-	-	1,055	-
Macon	93	30	15	15	-	-	63,176	-	-	-	-	-	63,176	117,281
Macoupin	5	5	1	3	1	-	1,636	-	-	-	-	-	1,636	18,673
Madison	28	18	2 (1)	11	1	-	14,647	2	1	-	3,415	-	18,062	108,559
Marion	128	79	21	34	2	-	153,620	6	13	3	14,057	-	167,677	1,968,444
Monroe	29	3	1	1	-	-	1,763	1	-	-	530	-	2,293	25,418
Montgomery	3	1	-	1	-	-	650	-	-	-	-	-	650	2,095
Morgan	1	1	-	1	-	-	860	-	-	-	-	-	860	-
Moultrie	-	-	-	-	-	-	-	-	-	-	-	-	-	2,025
Perry	10	6	-	6	-	-	12,827	-	-	-	-	-	12,827	14,081
Piatt	3	2	-	2	-	-	2,718	-	-	-	-	-	2,718	-
Pike	14	6	-	6	-	-	3,095	-	-	-	-	-	3,095	-
Putnam	-	1	-	1	-	-	1,293	-	-	-	-	-	1,293	-
Randolph	2	2	-	2	-	-	4,391	-	-	-	-	-	4,391	45,827
Richland	129	70	30	27	6	3	195,281	-	3	1	-	-	195,281	863,888
St. Clair	16	8	-	7	-	-	8,237	1	-	-	332	-	8,569	14,117
Saline	54	34	9	24	-	-	104,511	-	-	1	-	-	104,511	181,827
Sangamon	38	40	15	25	-	-	71,537	-	-	-	-	-	71,537	217,592
Schuyler	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Shelby	16	10	2	7	-	-	19,122	-	1	-	-	-	19,122	35,415
Vermilion	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Wabash	153	111	49	44	3	-	239,211	4	9	2	6,109	-	245,320	881,396
Washington	61	33	9	18	-	2	58,576	1	2	1	1,265	-	59,841	427,212
Wayne	331	220	119	83	5	2	735,009	4	6	1	13,328	-	748,337	3,109,061
White	365	260	117	115	10	4	838,986	4	5	5	10,803	-	849,789	3,143,019
Williamson	6	9	- (2)	7	-	-	24,559	-	-	-	-	-	24,559	65,868
Production, location unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	360,303
Total	3,704	2,264	1,043 (7)	871	67	23	5,251,780	145	73	27	183,758	8	5,446,761	22,701,817

* 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 1980*

County	Permits issued	Total completions	Injection and withdrawal wells		Service wells		Footage drilled
			New wells	Conversions	New wells	Conversions	
Champaign	-	6	6	-	-	-	25,503
Morgan	-	4	-	-	3	1	5,573
	-	10	6	-	3	1	31,076

* In addition to the wells tabulated, 4 permits to drill structure tests were issued.

TABLE 2. Discovery wells of 6 new fields in 1980

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	Remarks
1	Hamilton 14-6S-7E	Amalgamated Oil Co. #1 Kenneth Short	Broughton North	32/2	Aux Vases	3,217	4,330	11-4	
2	Macoupin 22-8N-6W	Gas, Oil, & Land Dev. #1 G. T. Gipson	Eagarville East	4/8	Pennsylvanian	628	628	6-18	
3	Macoupin 29-9N-6W	U.S. Water Co., Inc. #1 Wagoner	Hornsby Northwest	7/12	Pennsylvanian	617	617	6-25	OWWO, was D&A
4	Saline 27-7S-5E	Basin Energy Corp. #1 Lewis Heirs	Galatia North	105	Spar Mtn	3,397	3,397	7-1	
5	Washington 34-1S-3W	Elmer Oelze #1 Gaebe	Nashville North	130	Devonian	2,774	2,774	9-11-79	
6	White 8-4S-8E	C. E. Brehm #1 Springer	Springerton	10/80	Aux Vases	3,385	3,560	1-22	

TABLE 3. Discovery wells of 42 new pay zones in fields in 1980 (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)	Pay zone	Prod. depth (ft)	Total depth (ft)	Completion date	Remarks
7	Clay 19-3N-5E	Telex Oil & Gas Co. #1 Horton-Smith Comm.	Oskaloosa S	26	Devonian	4,378	4,390	9-2	OWWO, was D&A, OTD 4,603. Ext. to field.
8	Clay 14-4N-5E	K Oil Co. #6 Gibson	Iola S	16/1	Devonian	4,246	4,309	10-1	
9	Clay 26-4N-8E	Booth Res., Inc. #1 Thomann	Pixley	209	Salem	3,515	3,684	10-27	
10	Clay 32-4N-8E	P.M.C. Oil Co. #1 Frutiger	Sailor Springs E	50/50	St. Louis	3,234	3,575	10-7	Prod. from Salem also.
11	Clay 9-5N-7E	Ladd Petro. Corp. #7 A. J. Lewis	Sailor Springs C	79/375	Devonian	4,592	5,600	9-26	Prod. from Cypress also.
12	Cumberland 30-9N-11E	T & S Drlg. Co. #1 Schiver	Oak Point W	9/7	Spar Mtn	1,263	1,285	8-6	
13	Douglas 1-15N-7E	Thomas J. Logue #1-A Yoder	Bourbon C	5/5	Aux Vases	1,516	1,570	10-12-79	OWWO, was D&A.
14	Edwards 25-1N-10E	Triple C Oil Co. #1 P. Ewald	Samsville NW	35/160	McClosky	3,295 3,908	4,145	9-2	OWDD, was D&A, OTD 3,335. Ext. to field.
15	Edwards 35-2N-10E	McKinney Oil Prod. #1 Densmore	Parkersburg	262/51	Salem	3,794	3,825	6-17	
16	Edwards 4-2S-14W	Ram Oil Co. #1 G. Iles et al.	Browns	13	St. Louis	3,264	3,768	7-22	OWDD, was D&A, OTD 3,073.

TABLE 3--continued

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)	Comple- tion date	Remarks
17	Edwards 20-2S-14W	Kendra Corp. #2 G. Siegle "A"	Albion E	17	Renault	3,009	3,208	1-22	
18	Edwards 1-3S-10E	Superior Oil Co. #A-10 J. C. Blood	Albion C	40/130	Salem Ullin	3,604 3,978	4,511	9-19	Prod. from McClosky also.
19	Edwards 14-3S-10E	Petro-Halogen Corp. #B-1 Schmittler	Albion C	16	Renault	2,996	3,090	11-4	
20	Franklin 13-6S-3E	Fred DeMier #2 U.S. Coal & Coke	Bessie	250	Salem	3,185	3,187	1-28	
21	Franklin 32-7S-3E	Joe A. Dull #1-AC Becker Heirs	West Frankfort C	37/8	St. Louis	3,163	3,925	10-23	OWDD, was D&A, OTD 3,003.
22	Gallatin 2-9S-9E	Crystal Oil Co. #1 Howard Heirs	Junction E	2/4	Ohara	2,838	2,930	11-14	Ext. to field.
23	Hamilton 1-4S-5E	Modern Explor. #1 R. Rubenacker	Belle Prairie W	21/15	Salem	4,130	4,266	2-23	
24	Hamilton 23-6S-5E	Michael Taines #1 Lockwood et al.	Dale C	100/150	Salem	3,997	4,410	1-28	Prod. from Ullin also.
25	Jasper 20-7N-14W	Edward C. Koch #1 Barker	Hunt City S	68/10	Spar Mtn	2,398	4,024	12-17-79	
26	Jasper 20-8N-10E	Glennard Bunton #1 T. Marrs	Hidalgo	18/20	St. Louis	2,645	3,204	8-1	
27	Jasper 35-8N-10E	Kendra Corp. #1 L. Newkirk	Hunt City	8/16	McClosky	2,558	2,565	8-4	Ext. to field.
28	Jefferson 20-2S-1E	Ernest Sherman #1 Boldt	Roaches	55	St. Louis	?	2,279	11-30-79	
29	Jefferson 22-3S-4E	C. E. Brehm Drlg. & Prod. #1 Foster Comm.	Belle Rive	9/75	Ullin	3,985	4,100	2-10-79	OWDD, was D&A, OTD 3,150.
30	Jefferson 27-3S-4E	C. E. Brehm Drlg. & Prod. #1 Irwin Comm.	Belle Rive	20/5	Devonian	4,946	5,200	1-10	OWWO, was D&A.
31	Marion 34-1N-3E	Kevin M. Egley #1 Sager	Kell E	26/80	Salem	3,080	3,295	12-11-79	OWDD, was D&A, OTD 3,207.
32	Richland 26-2N-10E	Steven A. Zanetis #1 Myrtle Jenner	Parkersburg W	20/80	Aux Vases	3,150	3,985	5-13	OWDD, was D&A, OTD 3,326. Prod. from McClosky also.
33	Richland 20-4N-9E	Shelby A. Britton #1 King Heirs	Passport S	2/20	Salem	?	3,625	12-6-79	
34	Saline 27-7S-5E	Basin Energy Corp. #1 Angerole	Galatia N	4/30	Aux Vases	3,221	3,221	11-25	
35	Wabash 6-1N-13W	Francis L. Beard #1 Bob Jones	Lancaster Cen	13/13	St. Louis	3,016	3,040	10-24-79	Ext. to field.
36	Wabash 23-1N-13W	Puntney Engineering #1 Wheatley et al. Unit	Friendsville Cen	5/20	Aux Vases McClosky	2,590 2,659	2,680	9-23	
37	Wabash 13-1N-14W	Melvin G. Hall #1 Carlyle et al. Unit	Gards Point C	70/15	Salem	3,383	3,623	12-23	
38	Wayne 32-1N-5E	S. C. Vaughn Oil Prod. #1 Dagg	Coil N	5	Salem	3,328	3,770	5-22	
39	Wayne 20-1S-6E	Mid-America Petro. #2 Dickey	Johnsville C	15/30	Ullin	3,938	3,938	10-31	
40	White 30-3S-8E	Moore Eng. & Prod. #8 Gray Est.	Mill Shoals	408	Dutch Creek	5,405	5,405	9-8	
41	White 30-3S-11E	Louis A. Pessina #8 E. H. Morris "A"	Phillipstown C	8	Ullin	3,990	4,100	2-12	
42	White 27-4S-9E	C. F. Rebstock #A-2 Schoeman	Sumpter W	6	Ohara	3,248	3,338	11-15	
43	White 19-4S-13W	Gene Michel #9 M. Hagedorn	Black River	125/275	McClosky	3,037	3,075	9-16	
44	White 2-6S-10E	Collins Bros. #1 Grover Hines	Maunie NC	oil well	Salem Ullin	? ?	6,119	4-15	I.P. N/A

TABLE 4. Discovery wells of 55 extensions to fields in 1980 (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)	New pay zones	Prod. depth (ft)	Total depth (ft)	Completion date	Remarks
Brown 33-1S-4W	Energy Sources, Inc. #1 E. McNeff	Buckhorn	1	Silurian	681	681	11-25	
Christian 1-11N-1E	Ronald A. Potsch #1 Warren "B"	Pana Cen	18/5	Benoist	1,499	1,515	12-15-79	
Christian 36-12N-1E	International Prop., Inc. #1 Dale Doty	Pana Cen	6/4	Benoist	1,496	1,514	8-2	
Clay 19-3N-5E	Telex Oil & Gas Co., Inc. #1 Horton-Smith Comm.	Oskaloosa S	26	Devonian	4,355	4,390	9-2	OWWO, was D&A, OTD 4,603. New pay in field.
Crawford 21-5N-12W	L. A. Redman #1 Wilbur Wesley	Main C	2/10	Robinson	947	1,855	6-23	
Edwards 25-1N-10E	Triple C Oil Co. #1 Paul Ewald	Samsville NW	35/160	McClosky Salem	3,299 3,908	4,145	9-2	OWDD, was D&A, OTD 3,335. New pays in field.
Edwards 18-1N-11E	Glen Marks #1 Andrew Krajec	Parkersburg C	18	Salem	3,756	3,793	12-2	
Edwards 4-1S-10E	William Terrell #1 Lloyd Reid et al.	Maple Grove SC	80	Ohara	3,293	4,149	9-9	
Fayette 13-5N-4E	Robert H. Evans #1 Harville	Iola C	75	McClosky	2,499	2,528	7-22	
Franklin 12-5S-3E	C. E. Brehm Drlg. & Prdg. #2 Neal	Ewing E	70	Ullin	4,012	4,090	10-21	
Gallatin 2-9S-9E	Crystal Oil Co. #1 Howard Heirs	Junction E	2/4	Ohara	2,838	2,930	11-14	New pay in field.
Hamilton 36-3S-5E	Modern Explor. #1 Karcher	Belle Prairie	29	Ullin	4,280	4,301	10-28	
Hamilton 36-3S-5E	Modern Explor. #1 Flora Bennett	Belle Prairie	70	Ullin	4,201	4,303	6-25	
Hamilton 11-4S-7E	C. E. Brehm Drlg. & Prdg. #1 Wright "A"	Mill Shoals	80/40	Aux Vases Ohara	3,271 3,358	3,470	1-5	
Hamilton 27-5S-5E	Amalgamated Oil Co. #1 Hargrave	Rural Hill N	7/20	Ullin	4,372	4,489	10-7	
Hamilton 24-5S-7E	Richard W. Beeson #1 B. Mitchell Etux Comm.	Enfield	49	Ullin	4,400	4,550	2-1	
Jasper 29-8N-10E	Mason Oil Co. #1 Jerry Carr	Hidalgo S	19	McClosky	2,658	2,774	9-29	
Jasper 31-8N-10E	Parrish Prod. Co. #1 Fred Carpenter	Hidalgo S	40/50	McClosky	2,746	2,789	11-19	
Jasper 33-8N-10E	Mason Oil Co., Inc. #1 J & B Carr	Hidalgo S	20	McClosky	2,635	2,745	8-17	
Jasper 33-8N-10E	Glennard Bunton #1 Higgins	Hidalgo S	15/50	McClosky	2,690	2,749	12-10	
Jasper 35-8N-10E	Kendra Corp. #1 Lawrence Newkirk	Hunt City	8/16	McClosky	2,558	2,565	8-4	New pay in field.
Jefferson 10-4S-3E	C. E. Brehm Drlg. & Prdg. #1 Noma Comm.	Spring Garden	59	McClosky	3,060	3,120	3-1-79	
Lawrence 19-2N-13W	So. Triangle Oil Co. #1 Marjorie Wolf	Berryville C	8	McClosky	2,932	3,044	6-10	
Lawrence 18-3N-13W	Louis H. Kapp, Jr. #1 Cummins	Sumner S	8	Aux Vases	2,748	2,860	9-30	
Lawrence 35-4N-13W	Jeriel Oil Prod., Inc. #1 Jenner	Lawrence	5/60	Spar Mtn	2,144	2,262	5-9	OWWO, was D&A, OTD 2,552.
Macon 26-17N-2E	Triple "G" Oil Co. #1 Snow	Forsyth	58/2	Silurian	2,129	2,165	4-1	
Macon 36-17N-1E	Comanche Oil Corp. #1 Dingman	Harristown	40	Silurian	1,977	2,040	12-9	
Marion 36-1N-3E	Ernest Sherman #1 Gordon Hill	Divide C	Oil well	St. Louis Salem	3,228 3,276	3,335	4-29	I.P. N/A

TABLE 4--continued

County and location	Operator, well no., and farm	Field	Initial daily prod. oil/water (bbl)	New pay zones	Prod. depth (ft)	Total depth (ft)	Completion date	Remarks
Marion 34-3N-4E	Louis H. Kapp, Jr. #1 Arnold	Iuka	70	Salem	3,141	3,205	12-16	
Richland 1-3N-8E	Hubert W. Rose #1 W. L. Hasler et al.	Clay City C	7/3	Salem	3,472	3,850	2-18	OWWO, was D&A.
Richland 14-4N-14W	M & H Energy Inc. #1 Delbert Baker	Amity S	264	Spar Mtn	2,897	2,920	8-12	
Saline 22-8S-6E	R. W. Beeson #1 Ben Hale et al.	Raleigh S	300	Aux Vases	2,880	2,915	9-16	
Shelby 7-11N-2E	Carl M. Hubbartt #1 Tri-County Farming	Pana Cen	2	Benoist	1,547	1,575	4-15	
Wabash 6-1N-13W	Francis L. Beard #1 Bob Jones	Lancaster Cen	13/13	St. Louis	3,016	3,040	10-24-70	New pay in field.
Wayne 20-1N-9E	Crete Oil Invest. #1-A G. Shannon	Mt. Erie N	5/100	Aux Vases	3,209	3,275	5-30	
Wayne 21-1N-9E	Van Fossan Oil Assoc. #1-A R. Glover	Maple Grove C	52	Salem	3,730	4,000	8-12	
Wayne 28-1N-9E	Van Fossan Oil Assoc. #1 George Smith	Locust Grove	30/10	Ohara	3,324	3,418	11-27	
Wayne 7-1S-5E	Joe A. Dull #1 S. Greathouse	Coil	20/10	Aux Vases	2,890	3,756	4-15	
Wayne 16-1S-6E	K. Leon Hagen #1 Weaver-White Comm.	Johnsonville C	40	McClosky	?	3,295	4-1	
Wayne 30-1S-9E	Richard W. Beeson #1 Claude Mark	Goldengate NC	75	Spar Mtn	3,321	3,378	9-28	
Wayne 13-2S-5E	Texaco Inc. #1 Cora Miller	Wayne City	6/37	Salem	4,044	4,130	10-3-79	
Wayne 14-2S-5E	Joe A. Dull #1 Conrad Edmisson	Wayne City	17/12	Salem	3,994	4,077	8-19	
Wayne 15-3S-9E	Mike Beeler Oil Co. #1 L. E. Williams	Goldengate C	2/15	McClosky	3,363	4,597	7-7-79	OWDD, was D&A, OTD 3,450.
White 21-3S-8E	Black Hawk Res. Corp. #53-21 Black	Barnhill	8/152	Aux Vases	3,324	3,461	8-31	OWWO, was D&A.
White 23-4S-8E	R K Petro. Corp. #1 McKinney et al.	Trumbull N	20	Aux Vases	3,357	3,357	2-12	
White 24-4S-8E	R K Petro. Corp. #B-1 W. R. Roser	Trumbull N	36	Aux Vases	3,362	3,362	3-11	
White 26-4S-8E	R K Petro. Corp. #1 Martin Est.	Trumbull N	16/150	Aux Vases	3,380	3,540	8-19	
White 26-4S-8E	C. E. Brehm Drlg. & Prdg. #1 Hubble	Trumbull N	10	Aux Vases	3,428	3,528	8-8	
White 9-4S-9E	Mike Beeler #1 C. Brown	Goldengate C	6/3	McClosky	3,491	3,515	9-15-79	
White 10-4S-9E	Mike Beeler #1 N. Barbre	Goldengate C	8	Ohara	3,451	4,630	11-5-78	OWDD, was D&A, OTD 3,500.
White 11-4S-9E	Mike Beeler #1 V. Barbre	Goldengate C	1/2/50	Salem	4,065	4,471	5-15-79	
White 12-4S-9E	Mike Beeler #1 Brown	Centerville E	14	McClosky	3,303	3,318	7-1-79	
White 6-6S-8E	Farmers Petro. Coop. #1 W. Healy	Enfield S	74/8	McClosky	3,394	4,336	10-21	
White 5-7S-8E	C. E. Brehm Drlg. & Prdg. #1 Delap "A"	Roland C	10/3	McClosky	3,109	3,156	8-15	
White 7-7S-8E	C. E. Brehm Drlg. & Prdg. #A-1 Morehead	Roland C	200	McClosky	3,231	3,250	10-28	

TABLE 5. Selected unsuccessful deep tests in 1980

County and location	Operator, well no., and farm	Field or wildcat	Deepest strata tested	Depth to top (ft)	Total depth (ft)	Completion date	Remarks
Clay 18-2N-5E	C. E. Brehm Drlg. & Prdg. #1 Dean Smith	Wildcat far*	Hunton	4,554	4,760	4-28	
Clay 9-5N-7E	Ladd Petroleum Corp. #7 A. J. Lewis	Sailor Springs Consolidated	Trenton		5,600	9-26	Comp. as prod. in Cypress and Devonian.
Franklin 24-5S-3E	C. E. Brehm Drlg. & Prdg. #A-1 Bertha Ulrich	Wildcat far	Hunton	4,700	5,160	2-21	
Jasper 5-8N-9E	Charles Howe, Jr. #1 Arlie Reisner	Wildcat far	Geneva	4,277	4,286	4-8	
La Salle 30-29N-2E	Ross Prod. Co. #1 Ralph Goodwin	Wildcat far	Basement	5,775	5,800	7-15	
Wabash 17-2S-13W	Hocking Oil Co. #1 Beatrice Alka	New Harmony Consolidated	Hunton	4,506	4,825	6-3	
Wayne 13-2S-5E	Texaco Inc. #1 John Clark	Wayne City	Hunton	5,000	5,247	12-21-79	
White 1-6S-8E	W. R. & P. Becker #1 Gerald Harper	Roland Consolidated	New Albany	?	4,888	5-6	Comp. as prod. in McClosky, Salem, and Ullin.
White 2-6S-10E	Collins Bros. Oil Co. #1 Grover Hines	Maunie North Consolidated	Hunton	4,975	6,119	1978	Comp. as prod. in Salem and Ullin.
Williamson 12-8S-2E	C. E. Brehm Drlg. & Prdg. #3 Littlefair "B"	Stiritz	Devonian	?	4,669	11-2	

* Drilled more than 1½ miles from production.

TABLE 6. Underground storage facilities for liquefied petroleum gases in Illinois, January 1, 1981

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 29, 30N-2, 3E	1961	1963	1965	112	33	—	Mt. Simon	sand	anti- cline	water
Ashmore	Central Illinois Public Service	Coles & Clark 12N-10, 11E, 14	1960	1963	1963	50	5	—	Spoon Salem	sand lime	dome	gas
Brocton	URS	Douglas & Edgar 14, 15N-13, 14W 10, 11E	(potential air storage)			0	5	—	Lingle Grand Tower	lime dolo- mite	dome	water
Centralia East	Illinois Power Co.	Marion 1N-1E	1960	1964	1966	17	4	—	Pennsylvanian	sand	strati- graphic lens	gas
Cooks Mills	Natural Gas Pipe- line Co.	Coles & Douglas 14N-7, 8E	1956	1959	1959	24	9	—	Cypress Spar Mountain ("Rosiclare")	sand	—	gas
Corinth	Central Illinois Public Service	Williamson 8S-4E	1972	1972	1972	4	—	—	Hardinsburg	sand	—	gas
Crab Orchard	Central Illinois Public Service	Williamson 9S-4E	1972	1972	1972	—	—	—	Hardinsburg	sand	—	gas
Crescent City St. P.	Northern Illinois Gas Co.	Iroquois 26, 27N-13W	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 5S-5W	1970	1971	1971	12	2	—	Cypress	sand	strati- graphic drape	gas
Elbridge	Midwestern Gas Transmission Co.	Edgar 12, 13N-11W	1961	1965	1966	12	7	—	Grand Tower	lime	over reef	water
Freeburg	Illinois Power Co.	St. Clair 1, 2S-7W	1958	1959	1959	87	3	—	Cypress	sand	strati- graphic	gas
Gillespie-Benld	Illinois Power Co.	Macoupin 8N-6W	1958	1958	1959	7	0	—	Pennsylvanian	sand	strati- graphic	gas
Glasford	Central Illinois Light Co.	Peoria 7N-6E	1960	1964	1964	33	14	—	Niagaran	dolo- mite	dome	water
Herscher Gvl.	Natural Gas Pipe- line Co.	Kankakee 30N-10E	1952	1953	1953	60	148	24	Galesville	sand	anti- cline	water
Herscher Mt. S.			1957	1957	1958	55	18	—	Mt. Simon	sand	anti- cline	water
Herscher-Northwest	Natural Gas Pipe- line Co.	Kankakee 30, 31N-9E	1968	1969	1970	20	15	1	Mt. Simon	sand	anti- cline	water
Hillsboro	Illinois Power Co.	Montgomery 9, 10N-3W	1972	1974	1975	4	7	—	St. Peter	sand	dome	water
Hookdale	Illinois Power Co.	Bond 4N-2W	1962	1963	1963	10	4	—	Yankeetown ("Benoist")	sand	strati- graphic & structural	gas
Hudson	Northern Illinois Gas Co.	McLean 24, 25N-2, 3E	1970	1971	1971	32	8	1	Mt. Simon	sand	dome	water
Hume	URS	Edgar 16N-13, 14W	(potential air storage)			0	9	—	Lingle Grand Tower	lime dolomite	dome	water
Lake Bloomington	Northern Illinois Gas Co.	McLean 25, 26N-2, 3E	1971	1971	1972	35	16	1	Mt. Simon	sand	anti- cline	water
Lexington	Northern Illinois Gas Co.	McLean 25N-3, 4E	1971	1971	1972	32	12	1	Mt. Simon	sand	dome	water
Lincoln	Central Illinois Light Co.	Logan 19N-3W	1971	1974	1974	20	14	—	Silurian	dolo- mite	dome	water
Loudon	Natural Gas Pipe- line Co.	Fayette 7, 8, 9N-3E	1967	1967	1969	66	84	—	Grand Tower	lime	anti- cline	oil
Manlove	Peoples Gas Light & Coke Co.	Champaign 21N-7E	1960	1964	1966	137	12	—	Mt. Simon	sand	anti- cline	water
Media Gvl.	Mid-Continent Gas Storage Co.	Henderson 9N-4, 5W	(testing)			3	13	—	Galesville	sand	dome	water
Media Mt. S. Mills	Egyptian Gas Stor- age Co.	Gallatin 7S-9E	1974	1975	1975	2	1	—	Mt. Simon Tar Springs	sand sand	dome lens	water gas
Edwards	Egyptian Gas Stor- age Co.	Gallatin 8S-8E	1974	1975	1975	1	0	—	Palestine	sand	lens	gas
Nevins	Midwestern Gas Transmission Co.	Edgar 12, 13N-11W	1961	1965	1966	13	8	—	Grand Tower	lime	drape over reef	water
Pecatonica	Northern Illinois Gas Co.	Winnebago 27N-10E	1967	1969	1970	14	15	—	Eau Claire	sand	dome	water
Pontiac Gvl.	Northern Illinois Gas Co.	Livingston 27, 28N-6E	1975	1976	1977	10	6	0	Galesville	sand	dome	water
Pontiac Mt. S.	Northern Illinois Gas Co.	Livingston 27, 28N-6E	1966	1968	1969	43	7	1	Mt. Simon	sand	dome	water
Richwoods	Gas Utilities Co.	Crawford 6N-11W	1966	1966	1966	4	2	—	Pennsylvanian	sand	—	gas
St. Jacob	Mississippi River Transmission Corp.	Madison 3N-6W	1963	1963	1965	10	3	1	St. Peter	sand	dome	water
Sciota	Central Illinois Public Service	McDonough 6, 7N-3, 4W	1974	1975	1975	12	9	—	Mt. Simon	sand	dome	water
Shanghai	Illinois Power Co.	Warren & Mercer 12, 13N-1W	1970	1971	1971	9	10	—	Galesville	sand	dome	water
State Line	Midwestern Gas Transmission Co.	Clark, Ill., & Vigo, Ind. 12N-10W	1961	1963	1964	9	6	—	Grand Tower	lime	drape over reef	water
Tilden	Illinois Power Co.	St. Clair & Washington 3S-5, 6W	1957	1961	1961	45	14	—	Cypress	sand	strati- graphic	gas
Troy Grove	Northern Illinois Gas Co.	La Salle 34, 35N-1E	1957	1958	1959	96	31	—	Eau Claire Mt. Simon	sand sand	dome	water
Tuscola	Panhandle Eastern Pipeline Co.	Douglas & Champaign 16, 17N-8E	(testing)			13	11	1	Mt. Simon	sand	dome	water
Waverly	Panhandle Eastern Pipeline Co.	Morgan 13N-8W	1952	1954	1962	59	27	22	St. Peter	sand	dome	water
Waverly Gvl.	Panhandle Eastern Pipeline Co.	Morgan 13N-8W	1969	1969	1970	—	—	—	Galesville	sand	dome	water

projects in Illinois—January 1, 1981

Area in acres		Reservoir data				Capacities (MMcf)*			Withdrawals (MMcf)			Project	
		Storage	Closure	Depth (feet)	Thickness or closure (feet)	Average porosity (%)	Average permeability (millidarcys)	Potential working and cushion	Dec. 31, 1980		Max. vol. in storage 1980 (MMcf)		1980 Peak daily
								Working	Cushion				
—	12,840	2,154	290	12.3	114	170,000†	52,843†	100,313†	167,188†	657	42,670†	Ancona	
—	1,600	400	4-80	15.0	up to 3,000	3,564	1,491	1,981	3,535	25	264	Ashmore	
—	32,000	672	220	12.2	—	70,000	—	—	—	—	—	Brocton	
463	—	812	49	18.2	200	660	223	416	660	13	57	Centralia East	
—	1,500	1,600	40	16.0	67	5,200	3,366	1,567	4,933	70	1,122	Cooks Mills	
20	—	2,125	28	—	—	489	337	138	476	2	75	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	1,404	503	868	1,404	5	58	Eden South	
—	1,691	1,925	145	17.5	18	7,490	1,171	6,295	7,490	23	724	Elbridge	
4,222	—	350	47	21.5	216	7,151	1,699	4,634	6,990	39	1,737	Freeburg	
113	—	510	28	16.0	326	150	31	116	150	3	26	Gillespie-Benld	
—	3,200	800	120	12.0	426	12,586	5,641	6,293	12,585	46	688	Glasford	
6,750	8,000	1,750	100	18.0	467	54,700	10,556	23,283	37,152	806	17,272	Herscher Gvl.	
7,500	8,000	2,450	80	12.0	185	67,000	30,616	32,504	66,898	322	12,376	Herscher Mt. S.	
—	3,000	2,200	58	15.0	82	18,500	6,944	10,134	17,593	36	2,530	Herscher-Northwest	
4,000	—	3,150	100	16.0	250	10,129	2,849	5,912	10,129	41	1,522	Hillsboro	
414	—	1,125	28	20.3	458	1,096	587	285	1,013	27	364	Hookdale	
—	13,200	3,800	160	11.0	45	100,000†	6,463†	26,291†	35,055†	0	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†	101	7,833†	Lake Bloomington	
—	14,300	3,800	100	10.7	37	100,000†	7,914†	31,309†	41,746†	23	5,492†	Lexington	
—	3,000	1,300	85	12.0	250	12,174	3,233	6,696	12,174	52	2,245	Lincoln	
2,610	—	3,050	65	15.0	—	75,000	31,416	31,137	72,164	359	28,541	Loudon	
—	13,370	3,950	116	11.0	15	200,000	40,445	85,087	130,676	405	21,685	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	69	70	139	2	90	Mills	
—	142	1,825	30	—	—	245	51	77	128	1	7	Edwards	
—	1,650	1,975	105	16.5	25	7,220	1,267	5,685	7,220	30	805	Nevins	
—	2,600	800	38	18.6	556	3,500†	896†	1,956†	3,180†	2	992†	Pecatonica	
—	—	2,425	100	18.0	704	50,000†	0†	4,626†	5,050†	0	0	Pontiac Gvl.	
3,500	—	3,000	100	10.0	25	45,000†	12,685†	25,345†	42,242†	150	13,165†	Pontiac Mt. S.	
—	—	700	—	—	—	110	66	40	106	2	12	Richwoods	
550	650	2,860	100	14.0	400+	3,384	140	3,011	3,384	56	1,141	St. Jacob	
—	2,500	2,600	70	12.0	39	5,000	1,224	2,267	3,624	9	256	Sciota	
—	1,850	2,000	95	15.2	246	11,606	3,147	6,007	11,606	60	3,599	Shanghai	
—	496	1,860	91	17.3	47	5,006	1,080	3,920	5,006	14	1,052	State Line	
1,287	—	800	33	20.8	183	3,090	498	1,820	2,959	51	1,825	Tilden	
—	9,600	1,420	100	17.0	150	80,000†	30,412†	33,982†	75,515†	732	36,973†	Troy Grove	
—	—	4,000	—	—	—	15,000	1,369	7,692	9,496	22	1,198	Tuscola	
1,500	7,000	1,800	115	18.0	1,220	55,000	8,112	40,474	51,072	218	11,938	Waverly St. P.	
—	—	3,500	68	—	—	—	—	—	—	—	—	Waverly Gvl.	

*Million cubic feet. † 1977 data; 1978-1980 data not reported.

TABLE 8. Illinois oil field statistics, 1980

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, 1980

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- OF TH DISC- (FT) QUERY	AREA PRQ- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL			DEEPEST TEST		
				OUR- ING 1980	TO END OF 1980	COMP- LETED END OF 1980	CO- MPL- IN 1980	AB- ETED AND- ONED 1980	PROD- UCING END OF YEAR	SUL- FUR- OF API	PAY ZONE KIND OF ROCK	THI- STR- ESS UNE	DEP- TH (FT)		
AB LAKE, GALLATIN, 88, 10E															
	PENNSYLVANIAN	805 1947	80	2,5	130.2	10	0	0	3	35	S	10	M	MIS	2953
	PALESTINE, MIS	1835 1954	40			4	0	0		36	S	5	MF		
	WALTERSBURG, MIS	2000 1957	10			1	0	0		37	S	10	M		
	RENAULT, MIS	2735	20			2	0	0		35	L	8	MF		
	AUX VASES, MIS	2770	10			1	0	0		35	S	9	MF		
AB LAKE SOUTH, GALLATIN, 98, 10E															
	AUX VASES, MIS	2798 1959	10	0,0	3,8	1	0	0	0	36	S	6	M	MIS	2982
			ABU 1963												
*AB LAKE WEST, GALLATIN, 8-98, 9-10E															
	PENNSYLVANIAN	725 1950	450	1,7	542,0	34	1	0	16	35	S	10	M	MIS	4077
	WALTERSBURG, MIS	2020 1956	90			3	0	0		37	S	20	ML		
	TAR SPRINGS, MIS	2075 1958	300			19	0	0		38	S	10	ML		
	CYPRESS, MIS	2425 1954	30			2	0	0		36	S	9	ML		
	AUX VASES, MIS	2735	10			1	0	0		36	S	6	ML		
	MCCLOSKEY, MIS	2830	180			18	1	0		36	S	2	MC		
			10			1	0	0		38	L	2	MC		
*ADEN C, WAYNE, HAMILTON, 2-38, 7E															
	AUX VASES, MIS	3200 1938	2410	36,0	13526,9	128	0	1	54	39	S	10	A	DEV	5434
	OHARA, MIS	3290 1943	1970			64	0	0		35	L	7	A		
	SPAR MTN, MIS	3320 1943	2040			10	0	1		35	L8	5	AC		
	MCCLOSKEY, MIS	3350 1938	#			6	0	0		35	L	4	A		
	SALEM, MIS	3735 1948	60			79	0	0		36	L	16	AC		
	ULLIN, MIS	4132 1959	50			9	0	0		39	L	16	AC		
	LINGLE, DEV	5182 1968	10			4	0	0		39	S	10	A		
	DUTCH CREEK, DEV	5318 1959	30			1	0	0		40	S	10	A		
			30			3	0	0							
ADEN EAST, WAYNE, 28, 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															
	AUX VASES, MIS	3245 1946	350	2,4	857,7	29	0	0	6	39	S	8	A	DEV	5462
	OHARA, MIS	3310	170			9	0	0		37	L	7	AC		
	SPAR MTN, MIS	3330	350			3	0	0		37	L8	8	AC		
	MCCLOSKEY, MIS	3395 1945	#			8	0	0		38	L	9	AC		
			#			17	0	0		38	L	9	AC		
*AKIN, FRANKLIN, 68, 4E															
	CYPRESS, MIS	2840 1942	770	5,7	2452,9	60	0	2	12	35	0,14	8	A	MIS	4106
	AUX VASES, MIS	3100	220			14	0	2		37	0,12	8	AL		
	OHARA, MIS	3100 1956	530			41	0	0		38	L	22	AL		
	MCCLOSKEY, MIS	3270 1943	70			4	0	0		38	L	18	AC		
			#			1	0	0		38	L	9	AC		
AKIN WEST, FRANKLIN, 68, 4E															
	CYPRESS, MIS	2715 1948	120	5,8	250,9	9	0	0	7	35	S	8	A	DEV	5185
	OHARA, MIS	3050 1948	30			2	0	0		37	L	10	AC		
	SPAR MTN, MIS	3080 1948	70			2	0	0		37	L	12	AC		
	MCCLOSKEY, MIS	3130	#			1	0	0		39	L	4	AC		
	SALEM, MIS	3663 1962	10			3	0	0		38	L	10			
	ULLIN, MIS	3994 1962	20			1	0	0		37	L	10			
			20			2	0	0							
ALBION CEN, EDWARDS, 28, 10E															
	OHARA, MIS	3350 1955	110	0,0	136,0	7	0	0	1	37	L	5	MIS	3510	
	MCCLOSKEY, MIS	3395	110			7	0	0			L	4			
			#			1	0	0							
*ALBION C +, EDWARDS, WHITE, 1-38, 10-11E, 14W															
	MANSFIELD, PEN	1650 1940	5780	175,3	30409,2	507	12	1	178	28	S	5	AM	DEV	5185
	BRIDGEPORT, PEN	1900	1960			7	1	1		29	0,10	8	MF		
	BIEHL, PEN	2000 1944	#			30	0	0		37	0,16	8	MF		
	UEGONIA, MIS	2125	10			158	0	0		35	S	9	MF		
	WALTERSBURG, MIS	2365 1949	690			2	0	0		36	S	16	AL		
	TAR SPRINGS, MIS	2460 1944	140			67	0	0		37	S	3	AL		
	HARDINSBURG, MIS	2635	70			10	0	0		36	S	10	A		
	CYPRESS, MIS	2860	530			6	0	0		37	S	15	A		
	BETHEL, MIS	2960	970			46	1	0		36	S	14	AF		
	BENOIST, MIS	3000	240			60	2	0		34	S	13	AF		
			240			18	2	0							

(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- OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE	DEEPEST TEST DEP- TH (FT)
				DUR- ING 1980	TO END OF 1980	COMP- LETED END OF 1980	CO- AS- AND- 1980	PROD- UCING END OF 1980	PERC- ENT API	SUL- FUR KIND OF ROCK		
(CONTINUED FROM PREVIOUS PAGE)												
*ALBION C +, EDWARDS, WHITE, 1-38, 10-11E, 14W												
RENAULT, MIS	2988	1980	10			1	1	0			S	8
AUX VASES, MIS	3045	1942	1770			122	4	0	37		S	18 AF
OHARA, MIS	3110	1943	1840			14	3	0	40		L	5 AC
SPAR MTN, MIS	3130		#			7	0	0	38		L	10 AC
MCCLOSKEY, MIS	3200	1940	#			103	2	0	37		L	12 AC
SALEM, MIS	3596	1980	10			1	1	0			L	8
ULLIN, MIS	3968	1980	10			1	1	0			L	10
*ALBION EAST, EDWARDS, 28, 14W												
		1943	1320	91.8	2376.6	108	8	0	65			A MIS 3800
CYPRESS, MIS	2800		300			25	0	0	32	S	7	A
BETHEL, MIS	2920		170			11	0	0	38	S	6	AL
BENOIST, MIS	2925		150			20	0	0	38	S	10	AC
RENAULT, MIS	3001	1980	40			2	2	0		S	8	
AUX VASES, MIS	3020		330			24	2	0	34	0.14	S	17 AL
OHARA, MIS	3100	1943	750			16	0	0	38		L	7 A
SPAR MTN, MIS	3125	1947	#			22	2	0			L	7 A
MCCLOSKEY, MIS	3155		#			18	3	0			L	7 A
ALBION NORTHWEST, EDWARDS, 18, 10E												
MCCLOSKEY, MIS	3300	1967	30	1.0	38.5	3	0	0	2		L	6 MIS 3400
ALBION WEST, EDWARDS, 38, 10E												
		1953	40	1.5	12.4	3	0	0	2			MIS 3762
OHARA, MIS	3230	1976	40			2	0	0			L	8
MCCLOSKEY, MIS	3375	1953	#			1	0	0			L	5
ABD 1953, REV 1976												
*ALLENDALE, WABASH, LAWRENCE, 1-2N, 11-13W												
		1912	10020	275.1	23625.5	1190	19	9	366			AM ORD 5143
PLEASANTVIEW, PEN	660		6640			0	0	0			S	30 AM
BRIDGEPORT, PEN	1070		#			0	0	0			S	12 AM
BUCHANAN, PEN	1290		#			0	0	0			S	15 AM
BIHEL, PEN	1450		#			734	6	0	33		S	20 AM
JORDAN, PEN	1490		#			28	0	0			S	10 AM
WALTERSBURG, MIS	1540		350			31	2	0	31		S	15 AM
TAR SPRINGS, MIS	1600		260			23	1	0	30		S	20 AM
HARDINGSBURG, MIS	1780		10			2	0	0	34		S	10 AM
CYPRESS, MIS	1920		1840			91	2	3	34		S	10 AM
SAMPLE, MIS	1769		1290			12	0	1	35		S	X AM
BETHEL, MIS	2010		#			103	0	2	35		S	10 AM
AUX VASES, MIS	2280		180			14	0	2	37		S	12 AM
OHARA, MIS	2300		1120			23	3	1			L	10 AM
SPAR MTN, MIS	2300		#			15	2	0			L	5 AM
MCCLOSKEY, MIS	2300		#			33	4	1	36		L	8 AM
ST LOUIS, MIS	2275	1967	30			3	0	1	39		L	15
SALEM, MIS	2774	1966	80			7	0	0	39		L	10
ULLIN, MIS	2806	1966	30			2	0	0	39		L	12
ALMA, MARION, 4N, 2E												
		1941	60	0.0	82.0	6	0	0	0			A DEV 3692
CYPRESS, MIS	1805		10			1	0	0	35		S	7 AL
BENOIST, MIS	1945	1942	50			6	0	0	36		S	8 AL
SPAR MTN, MIS	2085	1941	40			2	0	0	36	0.26	L	10 AC
ABD												
AMITY, RICHLAND, 4N, 14W												
		1942	70	1.3	59.3	5	0	0	2			MIS 3873
AUX VASES, MIS	3060	1977	10			1	0	0			S	10
MCCLOSKEY, MIS	2960	1942	70			5	0	0	36		OL	5 MC
AMITY S, RICHLAND, 4N, 14W												
SPAR MTN, MIS	2890	1953	80	63.8	79.5	6	4	0	5	38	L	4 MIS 3050
ABD 1953, REV 1979												
AMITY W, RICHLAND, 4N, 14W												
AUX VASES, MIS	2925	1953	10	0.0	0.0	1	0	0	0	38	S	12 MIS 3100
ABD 1954												
ASHLEY, WASHINGTON, 2S, 1W												
BENOIST, MIS	1430	1953	210	8.4	494.9	15	0	0	13	30	S	7 DEV 3116
ASHLEY E, WASHINGTON, 2S, 1W												
BENOIST, MIS	1636	1969	60	1.1	63.8	5	0	0	5		S	6 MIS 2030

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			
				DUR- ING	TO END OF	COMP- LEYED TO	CO- MPL- ETED	AB- AND	PROD- UCING	SUL- FUR	PERC- OF			KIND OF	THI- CKN- UCT-	STN- ZONE
ASHMORE E, COLES, 13N, 14W																
PENNSYLVANIAN		415 1956	60	0.1	0.5	6	0	0	4	30		8	14	DEV	1228	
ABD 1957, REV 1962																
ASHMORE S +, COLES, CLARK, 12N, 10-11E, 14W																
UNNAMED, PEN		420 1958	320	1.9	56.4	24	0	1	16					TRN	2260	
MISSISSIPPIAN		475 1963	320			23	0	1	24		8	X	AL			
			20			1	0	0	36		L	17				
ASSUMPTION CEN, CHRISTIAN, 13N, 1E																
DEVONIAN		2433 1961	10	0.0	0.0	1	0	0	0	38		L	4	SIL	2566	
ABD 1961																
*ASSUMPTION C, CHRISTIAN, 13-14N, 1E																
BENOIST, MIS		1050 1948	2480	53.6	10438.9	189	1	0	56					ORD	3070	
SPAR MTN, MIS		1170 1949	590			47	0	0	36		8	13	A			
LINGLE, DEV		2300 1948	220			17	0	0	40		8	4	AL			
			2320			127	1	0	38		L	8	A			
ASSUMPTION S, CHRISTIAN, 12N, 1E																
LINGLE, DEV		2630 1951	50	0.5	24.1	3	0	0	1	39		L	15	SIL	2800	
AVA-CAMPBELL HILL +, JACKSON, 7S, 3-4W																
CYPRESS, MIS		780 1916	140	0.0	25.0	16	0	0	0	36		8	18	A	TRN	3582
ABD 1943, REV 1956, ABD 1957																
BALDWIN, RANDOLPH, 4S, 6W																
SILURIAN		1535 1954	30	0.2	12.0	3	0	0	1	32		L	X	N	TRN	2234
BANNISTER, MARION, 2N, 3E																
AUX VASES, MIS		2570 1973	10	0.0	8.6	1	0	0	0			8	5	DEV	4226	
ABD 1978																
*BARNHILL, WAYNE, WHITE, 2-3S, 8-9E																
AUX VASES, MIS		3325 1939	2210	55.9	6368.5	188	5	0	74					DEV	5500	
OHARA, MIS		3370 1943	1140			89	1	0	39		8	15	AL			
SPAR MTN, MIS		3400	1250			9	0	0			DL	6	AC			
MCCLOSKEY, MIS		3450 1939	#			12	1	0			LS	9	AC			
ST LOUIS, MIS		3520	10			79	1	0	38	0.17	OL	15	AC			
SALEM, MIS		3795	240			1	0	0	38		L	7	AC			
						11	2	0	39		L	8	AC			
*BARTELSD, CLINTON, 1-2N, 3W																
CARLYLE(CYP), MIS		985 1936	600	31.3	4227.8	115	1	0	47					STP	4212	
SILURIAN		2420 1939	420			76	0	0	36	0.20	8	15	U			
			410			40	1	0	42	0.27	L	12	K			
*BARTELSD E, CLINTON, 1N, 3W																
SILURIAN		2550 1950	210	8.8	956.8	21	0	2	16	42		L	7	K	SIL	2788
BARTELSD S, CLINTON, 1N, 3W																
DEVONIAN		2475 1942	60	0.0	23.7	3	0	0	0	40	0.15	L	3	A	DEV	2652
ABD 1962																
BARTELSD W, CLINTON, 1N, 3-4W																
CYPRESS, MIS		960 1945	290	2.8	103.2	21	0	4	10					SIL	2600	
SILURIAN		2439 1961	290			18	0	4	36		8	15	A			
			10			1	0	0	40		L	7	A			
*BEAUCOUP, WASHINGTON, 2S, 2W																
CLEAR CREEK, DEV		3050 1951	280	1.7	383.3	14	0	0	10					TRN	4192	
TRENTON, ORD		4095 1952	280			14	0	0	39		L	12	A			
			10			1	0	0	39		L	5	A			
*BEAUCOUP S, WASHINGTON, 2S, 2W																
BENOIST, MIS		1430 1951	260	5.5	1070.6	22	0	0	12	35		8	9	AL	ORD	4170

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				CHARACTER OF OIL				DEEPEST TEST ZONE (FT)	
				1980	1980	COMP- LETD	CO- MPL	AB- AND	PROD- UCING	GR, API	PERC- ENT	PAY ZONE OF CKN- ESS	STR- UCT- URE		
*BEAVER CREEK, BOND, CLINTON, 3=4N, 2=3W															
BENDIST, MIS		1130 1942	180	4.1	294.7	17	0	1	4	34	0.25	8	6	A	SIL 2558
BEAVER CREEK N, BOND, 4N, 3W															
BENDIST, MIS		1115 1949	80	0.0	0.7	6	0	0	0	24		8	4	A	DEV 2556
ABU 1954, REV 1958, ABD 1964															
*BEAVER CREEK S +, CLINTON, BOND, 3=4N, 2=3W															
		1946	590	9.9	753.0	54	1	1	25					A	SIL 2606
CYPRESS, MIS		1005	20			2	0	1		36		8	20	A	
BETHEL, MIS		1076 1974	10			1	0	0				8	7		
BENDIST, MIS		1140 1946	560			51	1	0		35		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															
		1907	2230	X	X	544	1	1	70					AM	DEV 2732
(500 FT), PEN		560	2140			315	0	0		29		8	30	AM	
(800 FT), PEN		815	#			77	0	1		37		8	X	AM	
(900 FT), MIS		885	#			190	0	0		37		8	X	AM	
CYPRESS, MIS		950	70			5	0	0		36		8	4	AM	
BENDIST, MIS		1000	420			5	0	0		36		8	10	AM	
RENAULT, MIS		830	30			6	0	0		37		8	6	AM	
AUX VASES, MIS		800	220			12	1	0		38		8	X	AM	
OHARA, MIS		860	50			1	0	0		37		L	4	A	
CARPER, MIS		1748 1969	30			4	0	0				8	14		
SEE CLARK COUNTY DIV. FOR PRODUCTION															
BELLE PRAIRIE, HAMILTON, 4S, 6=7E															
MCCLOSKEY, MIS		3420 1940	300	10.4	1103.6	17	0	0	9	38	0.12	L	6	AC	DEV 5483
BELLE PRAIRIE W, HAMILTON, 4S, 5E															
		1959	110	44.4	45.2	10	9	0	9					MIS	4430
SALEM, MIS		4120 1980	70			6	6	0				L	10		
ULLIN, MIS		4206 1959	40			4	3	0		37		L	6		
ABU 1960, REV 1980															
BELLE RIVE, JEFFERSON, 3S, 4E															
		1943	130	5.6	411.4	8	2	0	5					AC	DEV 5200
MCCLOSKEY, MIS		3085 1943	110			6	0	0		37	0.50	L	6	AC	
ULLIN, MIS		3981 1980	10			1	1	0				L	4		
DEVONIAN		4932 1980	10			1	1	0				L	14		
BELLMONT, WABAASH, 1S, 13=14W															
		1951	30	0.0	73.0	4	0	0	0					M	MIS 3006
BETHEL, MIS		2650 1951	10		11.0	1	0	0		38		8	7	ML	
OHARA, MIS		2840 1951	20		62.0	3	0	0		40		L	7	MC	
ABU 1972															
*BEMAN, LAWRENCE, 3N, 11W															
		1942	530	2.5	330.6	34	0	0	8					A	DEV 3410
AUX VASES, MIS		1805	100			8	0	0		38		8	20	AL	
STE. G, MIS		1850 1942	440			30	0	0		38		L	7	AC	
BEMAN E, LAWRENCE, 3N, 10W															
		1947	130	0.0	116.0	9	2	0	2					A	MIS 2519
AUX VASES, MIS		1805 1947	50			5	2	0		38		8	20	AL	
STE. G, MIS		1860 1947	110			6	0	0		36		L	7	AC	
ABU 1960, REV 65, ABD 69, REV 80															
BENNINGTON S, 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, 6S, 2=3E															
		1941	2360	38.9	40067.4	268	0	6	74					A	TRN 6250
PENNSYLVANIAN		1700	20			2	0	0		33		8	9	AL	
TAR SPRINGS, MIS		2100 1941	2360			249	0	4		38		8	10	A	
AUX VASES, MIS		2752 1959	300			21	0	2		38		8	15	A	
OHARA, MIS		2804 1959	190			13	0	0				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	

(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	
				1980	TO END OF 1980	CUM- PLET- ED TO END OF 1980	CO- MP- ETED AND 1980	AB- AND 1980	PROD- UCING END OF YEAR	SUL- FUR PERC- ENT	KIND OF ROCK			THI- STR- UCT- URE
(CONTINUED FROM PREVIOUS PAGE)														
BENTON, FRANKLIN, 68, 2-3E														
ULLIN, MIS		3705 1960	10			1	0	0	38		L	5	A	
BENTON N, FRANKLIN, 5-68, 2E														
		1941	830	23.7	3470.5	82	0	0	5				A	DEV 4750
CYPRESS, MIS		2460 1944	100			14	0	0	38		S	17	A	
PAINT CREEK, MIS		2501 1962	400			15	0	0	38		S	8	A	
BETHEL, MIS		2600 1942	#			21	0	0	38	0.15	S	20	AL	
AUX VASES, MIS		2685	200			16	0	0	39	0.15	S	10	A	
OHARA, MIS		2730	470			13	0	0	38	0.70	L	8	A	
SPAR MTN, MIS		2775 1941	#			8	0	0	36	0.15	S	6	A	
MCCLOSKEY, MIS		2800	#			20	0	0	34		L	10	A	
ST LOUIS, MIS		3062 1979	10			1	0	0			L	10		
BERRY, SANGAMON, 15N, 3W														
		1961	650	7.5	597.8	44	0	0	20					SIL 1964
DEVONIAN		1743 1962	60			2	0	0	38		S	4		
SILURIAN		1736 1961	590			42	0	0	38		L	35		
BERRYVILLE C, WABASH, EDWARDS, RICHLAND, LAWRENCE, 1-2N, 14W														
		1943	570	13.6	1647.5	33	2	1	7				M	MIS 3903
OHARA, MIS		2900 1943	560			6	0	0	39		L	6	MC	
SPAR MTN, MIS		2850 1943	#			13	0	1			L	12	MC	
MCCLOSKEY, MIS		2890 1947	#			14	2	0	36		L	10	MC	
SALEM, MIS		3370 1975	10			1	0	0			L	10		
ULLIN, MIS		3605 1975	10			1	0	0			L	10		
BESSIE, FRANKLIN, 68, 3E														
		1943	70	88.0	242.9	6	4	0	6					MIS 3900
OHARA, MIS		2895 1943	10			1	0	0	39	0.15	L	10	MC	
SALEM, MIS		3159 1980	20			2	2	0			L	26		
ULLIN, MIS		3825 1979	60			4	3	0			L	6		
BLACK BRANCH, SANGAMON, 15N, 4W														
SILURIAN		1600 1967	350	4.9	602.0	24	0	1	16	38	L	10		SIL 1744
BLACK BRANCH E 4, SANGAMON, 15N, 4W														
SILURIAN		1720 1969	10	0.0	2.8	1	0	0	0		L	20		SIL 1755
BLACKLAND, MACON, CHRISTIAN, 15N, 1E-1W														
SILURIAN		1935 1953	390	0.9	495.2	42	0	0	4	39	L	12	MU	ORD 3780
BLACKLAND N, MACON, 16N, 1E														
SILURIAN		1948 1960	280	1.8	250.3	24	2	0	6	39	L	11	M	SIL 2164
BLACK RIVER, WHITE, 48, 13W														
		1952	120	15.0	68.4	11	3	0	10					MIS 3075
CLORE, MIS		1865 1952	110			10	2	0	36		S	6		
MCCLOSKEY, MIS		2973 1980	10			1	1	0			OL	3		
BLAINSVILLE W, HAMILTON, 48, 7E														
		1948	180	0.0	408.3	10	0	0	1				A	MIS 3507
AUX VASES, MIS		3250 1948	30			3	0	0						
SPAR MTN, MIS		3345	160			1	0	0			L	6	AC	
MCCLOSKEY, MIS		3405 1951	#			10	0	0	37		L	8	AC	
BLUFORD, JEFFERSON, 29, 4E														
MCCLOSKEY, MIS		3060 1961	30	1.2	159.8	2	0	0	1	38	OL	6		MIS 3833
BOGOTA, JASPER, 6N, 9E														
		1943	190	1.0	537.0	10	0	0	1				A	MIS 3234
SPAR MTN, MIS		3090	190			1	0	0			L	4	AC	
MCCLOSKEY, MIS		3110 1943	#			9	0	0	39		L	7	A	
BOGOTA N, JASPER, 6N, 9E														
(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- TH DISC- OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST ZONE TH (FT)	
				1980	1980	COMP- LETED 1980	CO- AB- 1980	PROD- UCING 1980	SUL- FUR GR.	PERC- ENT API	OF KIND ROCK			THI- STR- URE
(CONTINUED FROM PREVIOUS PAGE)														
BOGOTA N, JASPER, 6N, 9E														
MCCLOSKEY, MIS		3080 1949	20	0.0	0.0	2	0	0	1	37	L	3	MIS	3647
BOGOTA S, JASPER, 5-6N, 9E														
MCCLOSKEY, MIS		3075 1944	300	1.8	547.9	23	0	0	3	37	L	8 MC	MIS	3712
BOGOTA W, JASPER, 6N, 9E														
MCCLOSKEY, MIS		3080 1966	10	0.0	0.0	1	0	0	0	37	0	6	MIS	3655
*BONE GAP C, EDWARDS, 18, 10-11E, 14W														
		1941	1500	28.0	2674.5	76	3	1	29				A	MIS 4240
PENNSYLVANIAN		2110 1952	10			1	0	0		32	S	8	AL	
WALTERSBURG, MIS		2310 1951	170			17	0	1		35	S	20	A	
CYPRESS, MIS		2710 1947	100			7	0	0		37	S	10	A	
BETHEL, MIS		2880 1952	150			10	2	0		39	S	14	AL	
AUX VASES, MIS		3020 1947	10			1	0	0		36	S	9	AL	
OHARA, MIS		3040 1948	960			10	0	0		34	L	5	AC	
SPAR MTN, MIS		3045 1947	#			7	0	0		35	L	5	AC	
MCCLOSKEY, MIS		3200 1941	#			25	1	0		38	0.33	L	6	AC
BONE GAP E, EDWARDS, 18, 14W														
		1951	190	10.0	106.6	15	0	0	11				M	MIS 4000
OHARA, MIS		2980 1951	70			6	0	0				10	MC	
MCCLOSKEY, MIS		3050	#			1	0	0		36	L	5	MC	
SALEM, MIS		3555 1974	120			9	0	0			L	4		
ABU 1956, REV 1974														
BONE GAP W, EDWARDS, 18, 10E														
STE. GEN, MIS		3290 1954	100	0.0	31.8	5	0	0	3	36	L	5	MIS	3504
ABU 1975, REV 1964														
*BOULDER +, CLINTON, 2-3N, 2W														
		1941	580	0.0	8120.0	55	0	0	0				U	TRN 3813
GENOIST, MIS		1190 1942	500			33	0	0		37	S	20	U	
GENEVA, DEV		2630 1941	470			22	0	0		28	0.33	0	7	H
SILURIAN		2700 1963	40			1	0	0		40	L	4		
ABU 1965														
BOULDER E +, CLINTON, 3N, 1W														
DEVONIAN		2850 1955	60	11.7	244.8	6	1	0	4	39	L	5	DEV	2946
*BOURBON C, DOUGLAS, 15N, 7E														
		1956	1060	6.6	1818.0	94	1	0	27					2709
AUX VASES, MIS		1512 1980	10			1	1	0			S	4		
SPAR MTN, MIS		1600 1956	1050			92	0	0		36	L3	12	NC	
MCCLOSKEY, MIS		1715 1976	#			1	0	0			L	5		
BOURBON S, DOUGLAS, 15N, 7E														
SPAR MTN, MIS		1693 1960	50	0.3	8.4	3	0	0	2	34	S	12	NC	MIS 1780
ABU 1964, REV 1976														
BOWYER, RICHLAND, 5N, 14W														
		1958	20	0.0	11.7	2	0	0	0					MIS 2950
SPAR MTN, MIS		2883 1958	10			1	0	0		36	S	X		
MCCLOSKEY, MIS		2876 1971	10			1	0	0			L	5		
ABU 1967, REV 1971, ABD 1972														
*BOYO, JEFFERSON, 18, 1-2E														
		1944	1490	15.1	14931.1	127	0	0	39				A	TRN 5400
GENOIST, 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	P	AC	
TRENTON, ORD		5000 1967	80			5	0	0				X		
BROUGHTON, HAMILTON, 68, 7E														
		1951	380	57.3	227.3	23	4	0	19					MIS 4446
MCCLOSKEY, MIS		3275 1951	200			11	4	0		37	L	5		
SALEM, MIS		4024 1978	20			3	0	0			L	35		
ULLIN, MIS		4190 1977	160			9	0	0			L	10		
ABU 1954, REV 1977														

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR OF DISC COVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL				DEEPEST TEST		
				1980	TO END OF 1980	COMPL- ETED TO END OF 1980	CO- MPL- ETED IN 1980	AB- AND ONED 1980	PROD- UCING YEAR	GR, API	SUL- FUR PERC- ENT	KIND OF ROCK	THI- CK- NESS	STR- UCT- URE	ZONE
BROUGHTON N, HAMILTON, 68, 7E															
AUX VASES, MIS		1980	10	1.9	1.9	1	1	0	1		S			MIS	4330
BROUGHTON S, SALINE, 75, 7E															
TAR SPRINGS, MIS		1951	20	0.0	0.1	2	0	0	0		S			MIS	3300
MCCLOSKEY, MIS		1974	10			1	0	0			S	7			
		1951	10			1	0	0	36		L	4			
ABD 1952, REV 1974, ABD 1976															
BROWN, MARION, 1N, 1E															
CYPRESS, MIS		1910	120	2.5	160.5	12	0	0	10	36	S	X	N	MIS	2036
BROWNS, EDWARDS, WABASH, 1-28, 14W															
BIEM, PEN		1943	1110	25.6	2640.9	72	3	0	35				A	DEV	5200
TAR SPRINGS, MIS		1962	10			1	0	0			32	S	8		
CYPRESS, MIS		1947	40			1	0	0			36	S	14	AL	
BETHEL, MIS		1943	380			26	0	0			36	0.18	S	13	A
AUX VASES, MIS		1944	80			5	0	0			39	S	12	AL	
OHARA, MIS		1946	10			1	0	0			36	S	7	AL	
SPAR MTN, MIS		1947	810			13	2	0			34	L	4	AC	
MCCLOSKEY, MIS		1944	#			1	0	0			36	L	3	AC	
ST LOUIS, MIS		1980	10			35	0	0			36	L	6	A	
						1	1	0			L	6			
BROWNS E, WABASH, 1-20, 14W															
PENNSYLVANIAN		1946	900	4.7	2969.8	77	1	0	18					MIS	3729
CYPRESS, MIS		1963	10			1	0	0			32	S	X		
SPAR MTN, MIS		1946	790			72	0	0			36	S	13	ML	
SALEM, MIS		1977	70			3	0	0			S	5			
		1976	50			5	1	0			L	20			
BROWNS S, EDWARDS, 28, 14W															
HALTERBURG, MIS		1943	120	5.6	137.4	11	0	0	8				N	MIS	3670
BETHEL, MIS		1976	10			1	0	0			S	10			
AUX VASES, MIS		1943	60			5	0	0			38	S	15	NL	
OHARA, MIS		1947	40			5	0	0			36	S	8	NL	
		1976	20			2	0	0			L	6			
ABD 1968, REV 1970															
BRUBAKER, MARION, 3N, 3E															
SPAR MTN, MIS		1973	180	30.3	376.1	12	1	0	10					SIL	5200
MCCLOSKEY, MIS		1975	50			2	0	0			S	20			
ST LOUIS, MIS		1975	#			1	0	0			OL	5			
SALEM, MIS		1976	40			3	0	0			L	46			
DEVONIAN		1974	20			2	1	0			D	7			
		1973	70			4	0	0			34	L	1		
BUCKHORN, BROWN, 1-25, 4W															
SILURIAN		1961	50	0.0	0.0	6	1	0	5	37	0	3		SIL	705
ABD 1964, REV 1973															
BUCKNER, FRANKLIN, 68, 2E															
AUX VASES, MIS		1963	150	56.1	145.9	10	3	0	8	38	S	12		MIS	3060
BULPITT S, CHRISTIAN, 13N, 3W															
DEV-SIL		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	3310	45.9	14415.9	258	2	0	75				A	DEV	5566
AUX VASES, MIS		1941	550			22	0	0			39	S	10	AL	
OHARA, MIS		1943	2780			197	1	0			39	0.24	S	15	AL
SPAR MTN, MIS		1943	390			5	0	0			L	8	AC		
MCCLOSKEY, MIS		1943	#			3	0	0			L	8	AC		
ULLIN, MIS		1959	10			20	2	0			36	0.24	L	8	AC
						1	0	0			38	L	10	AC	
BURNT PRAIRIE S, WHITE, 48, 9E															
AUX VASES, MIS		1947	60	0.5	31.7	7	2	0	4					MIS	3600
OHARA, MIS		1947	20			2	1	0			37	S	24		
MCCLOSKEY, MIS		1947	50			1	0	0			38	L	6		
			#			4	1	0			L	4			

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 SUL- FUR PERC- ENT	PAY ZONE	DEEPEST TEST TH (FT)				
				1980	TO END OF 1980	COM- PLET- ED 1980	CO- ETED 1980	AB- AND 1980				PROD- UCING END OF YEAR	GR, API	OF ROCK	THI- CK- NESS
BURNT PRAIRIE SW, WHITE, 4S, 8E															
AUX VASES, MIS		1979	360	173.7	300.3	28	7	1	27			MIS	3596		
OHARA, MIS		3336 1979	90			8	3	1		S	6				
SPAR MTN, MIS		3436 1979	270			3	0	0		L	8				
MCCLOSKEY, MIS		3451 1979	#			2	0	0		S	4				
		3513 1979	#			16	4	0		L	6				
CALHOUN GEN, RICHLAND, 2N, 10E															
SPAR MTN, MIS		3245 1950	30	0.0	0.5	3	0	0	0			M	MIS	3533	
MCCLOSKEY, MIS		3280 1950	#			2	0	0		L	6	MC			
						1	0	0	37	L	3	MC			
ABD 1952, REV AND ABD 1959															
*CALHOUN C, RICHLAND, WAYNE, 2-3N, 9-10E															
OHARA, MIS		1944	1990	14.2	4169.4	112	2	1	15			A	SIL	5645	
SPAR MTN, MIS		3140 1944	1980			22	0	0	39	OL	9	A			
MCCLOSKEY, MIS		3160	#			25	0	0	37	OL	6	A			
ST LOUIS, MIS		3180 1944	#			66	2	1	39	0.15	OL	10	A		
SALEM, MIS		3370 1967	10			1	0	0	39	L	9				
		3730 1967	20			2	0	0	39	L	8				
*CALHOUN E, RICHLAND, 2N, 10-11E															
MCCLOSKEY, MIS		3265 1950	160	1.1	331.7	10	1	0	1	39	L	5	MC	MIS	3901
ABD 1977, REV 1980															
CALHOUN N, RICHLAND, 3N, 10E															
SPAR MTN, MIS		1944	60	1.8	86.6	4	0	0	1			A	MIS	3280	
MCCLOSKEY, MIS		3155 1944	60			1	0	0		LS	10	A			
		3170 1944	#			4	0	0	36	OL	11	A			
*CALHOUN S, WAYNE, RICHLAND, EDWARDS, 1-2N, 9E															
AUX VASES, MIS		1953	570	10.8	731.2	34	0	0	12				MIS	4152	
OHARA, MIS		3175 1953	20			2	0	0	38	L	5				
SPAR MTN, MIS		3232 1963	550			4	0	0		L	8				
MCCLOSKEY, MIS		3224 1962	#			17	0	0		L	5				
		3209 1961	#			20	0	0	37	OL	6				
ABD 1953, REV 1961															
CARLINVILLE +, MACOUPIN, 9N, 7W															
UNNAMED, PEN		380 1909	40	0.0		8	0	0	2	28	S	X	A	MIS	1380
ABD 1925, REV 1942															
CARLINVILLE N +, MACOUPIN, 10N, 7W															
POTTSVILLE, PEN		440 1941	100	0.0	1.0	16	0	0	0	20	0.35	S	10	TRN	1970
ABD 1954															
CARLINVILLE S, MACOUPIN, 9N, 7W															
PENNSYLVANIAN		539 1958	10	0.0	0.0	1	0	0	0	26	S	X		PEN	1020
ABD 1964															
*CARLYLE, CLINTON, 2N, 3W															
GOLCONDA, MIS		1911	1310	23.2	4255.7	204	0	0	31			A	STP	4120	
CARLYLE(CYP), MIS		900 1952	10			7	0	0	35	L	10	AC			
		1035 1911	1300			202	0	0	35	0.26	S	20	AL		
CARLYLE E, CLINTON, 2N, 2W															
BENOIST, MIS		1197 1963	30	0.2	0.6	2	0	0	1	34	S	4		MIS	1245
ABD 1972, REV 1976															
*CARLYLE N, CLINTON, 3N, 3W															
BENOIST, MIS		1150 1950	530	11.4	954.8	45	0	0	31	34	S	6	AL	DEV	2558
CARLYLE S, CLINTON, 1N, 3W															
CYPRESS, MIS		1075 1951	20	0.0	2.0	2	0	0	0	35	S	4		MIS	1194
ABD 1953															
*CARM, WHITE, 5S, 9E															
PENNSYLVANIAN		1940	250	2.8	404.5	21	0	0	3			M	MIS	3586	
CYPRESS, MIS		1210	10			1	0	0		S	10	ML			
AUX VASES, MIS		2800	100			8	0	0	38	S	15	ML			
MCCLOSKEY, MIS		3145	50			5	0	0	37	S	8	ML			
		3150 1940	110			8	0	0	35	OL	6	MC			
ABD 1949, REV 1952															

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				DEEPEST TEST	
				1980	TO 1980	COMP- LETED TO 1980	CO- MPL- IN 1980	AB- ONED 1980	PROD- UCING YEAR	SUL- FUR IN PERC- ENT	PAY ZONE	STR- UCT- URE	ZONE	DEP- TH (FT)	
*CARMI N, WHITE, 58, 9E															
CYPRESS, MIS		1942	80	2.1	300.4	6	0	0	3				A	MIS	3452
SAMPLE, MIS		3080	20			1	0	0	36		8	13	AF		
AUX VASES, MIS		3270	10			1	0	0	37		8	12	AF		
			60			5	0	0	36	0.14	8	14	AF		
*CABEY, CLARK, 10-11N, 14W															
UPPER GAS, PEN		1906	3040	X	X	516	1	0	228				AM	TRN	2608
LOWER GAS, PEN		265	2730			43	0	0	32		8	X	AM		
CABEY, PEN		300	#			90	1	0	30		8	X	AM		
CARPER, MIS		445	#			373	0	0	35		8	10	AM		
		1300	250			20	0	0	38		8	50	AM		
SEE CLARK COUNTY DIV FOR PRODUCTION															
*CENTERVILLE, WHITE, 48, 9E															
AUX VASES, MIS		1940	190	0.6	534.1	13	0	0	1				N	MIS	3919
OHARA, MIS		3240	10			1	0	0	37		8	6	NL		
SPAR MTN, MIS		3310	190			6	0	0	38		L	10	NC		
MCCLOSKEY, MIS		3370	#			2	0	0	37	0.17	OL	8	NC		
		3370	1940			6	0	0	37	0.17	OL	8	NC		
*CENTERVILLE E, WHITE, 3-48, 9-10E															
PALESTINE, MIS		1941	1310	35.4	8554.9	140	4	0	64				A	MIS	4442
TAR SPRINGS, MIS		2225	20			2	0	0	35		8	3	ALF		
HARDINSBURG, MIS		2500	820			35	0	0	38	0.20	8	24	ALF		
CYPRESS, MIS		2615	40			1	0	0	36		8	22	ALF		
BETHEL, MIS		2915	650			48	1	0	37		8	6	ALF		
AUX VASES, MIS		2990	220			20	0	0	38		8	20	ALF		
OHARA, MIS		3075	530			39	1	0	37		8	21	ALF		
SPAR MTN, MIS		3175	350			5	1	0	36		OL	5	ACF		
MCCLOSKEY, MIS		3185	#			1	0	0	37		LS	6	ACF		
		3230	#			17	1	0	37		OL	7	ACF		
*CENTERVILLE N, WHITE, 38, 10E															
BETHEL, MIS		1947	10	0.0	0.0	1	0	0	0	36		8	13	NL	MIS
			ABD 1948												
*CENTERVILLE N E, WHITE, 38, 10E															
BETHEL, MIS		1955	10	0.0	5.6	1	0	0	0	36		8	14		MIS
			ABD 1959												
*CENTRAL CITY, MARION, 1N, 1E															
PENNSYLVANIAN		1964	130	3.0	81.1	13	0	0	11	33		8	10		MIS
*CENTRALIA, CLINTON, MARION, 1-2N, 1E, 1W															
PETRO, PEN		1937	2980	126.5	5725.2	1021	0	1	234				A	ORD	4170
CYPRESS, MIS		765	30			4	0	0	32		8	X	A		
BENOIST, MIS		1200	1530			57	0	1	37	0.20	8	12	A		
DEVONIAN		1355	2510			577	0	0	38	0.17	8	20	A		
TRENTON, OND		2870	2610			319	0	0	40	0.38	L	9	A		
		3930	1100			59	0	0	40		L	22	A		
*CENTRALIA N, CLINTON, 1N, 1W															
CYPRESS, MIS		1940	90	0.7	422.1	10	0	0	1				N	DEV	3021
BENOIST, MIS		1308	10			1	0	0	35		8	4	N		
		1440	90			9	0	0	36	0.17	8	9	N		
*CHESTERTON, DOUGLAS, 15N, 7E															
SPAR MTN, MIS		1956	50	0.1	36.5	5	0	0	1	39		LS	8	NL	MIS
*CHESTERTON E, DOUGLAS, 14-15N, 7-8E															
SPAR MTN, MIS		1957	400	0.0	1166.4	41	0	0	0	39		8	10	NC	MIS
			ABD 1974												
*CHRISTOPHER S, FRANKLIN, 7S, 1E															
AUX VASES, MIS		1964	30	0.0	9.9	3	0	0	0					MIS	2820
OHARA, MIS		2620	30			3	0	0	38		8				
		2690	10			1	0	0	37		L	10			
						ABD 1969									
*CLAREMONT, RICHLAND, 3N, 14W															
SPAR MTN, MIS		1950	100	0.0	20.2	8	0	0	0					MIS	4065
		3200	100			5	0	0			8	5			

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR TH DISC- (FT) QVRY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST ZONE TH (FT)			
				1980	1980	COMP- LETED	CO- MPL- AB-	PROD- UCING	SUL- PERC-	FUM KIND	THI- STR-			DEP- URE		
CLAREMONT*, RICHLAND, 3N, 14W (CONTINUED FROM PREVIOUS PAGE)																
MCCLOSKEY, MIS		3218 1969	#			3	0	0				L	4			
CLARK COUNTY DIV, CLARK, COLES, CRAWFORD, CUMBERLAND, JASPER																
				1900	26990	327.5	86934.1	5857	27	2	1643			ORD	4519	
INCL BELLAIR CABBY JOHNSON N,S MARTINSVILLE SIGGINS WESTFLD YONK																
CLARKSBURG, SHELBY, 10N, 4E																
AUX VASES, MIS		1770 1946	50	5.2	100.6	5	0	0	2	36		S	6	A	DEV	3206
*CLAY CITY C, CLAY, WAYNE, RICHLAND, JASPER, 1-7N, 1-28, 6-11E																
				1937	97290	3127.0	320346.9	6678	146	67	2387			A	PC	11614
WALTERSBURG, MIS		2175 1952	10			1	0	0			36	S	6	AL		
TAR SPRINGS, MIS		2560 1949	130			8	0	0			38	S	15	AL		
CYPRESS, MIS		2635 1937	6240			579	2	1			36	S	15	AL		
BETHEL, MIS		2800	310			28	5	0			39	S	15	AL		
AUX VASES, MIS		2940 1942	31740			2159	37	21			36	S	15	AL		
OHARA, MIS		3020	67090			254	4	2			38	OL	5	AC		
SPAR MTN, MIS		3030	#			660	8	9			38	LS	8	AC		
MCCLOSKEY, MIS		3050 1937	#			3181	59	30			39	OL	10	AC		
ST. LOUIS, MIS		3025 1949	2940			246	11	4			38	L	3	A		
SALEM, MIS		3590 1950	6680			402	53	6			39	L	10	A		
ULLIN, MIS		3600 1952	380			29	5	1			40	L	17	A		
CANPER, MIS		3806 1979	50			2	1	0			3	S	6			
LINGLE, DEV		4350 1949	20			1	0	0			39	L	10	A		
CLEAR LAKE E, SANGAMON, 16N, 4W																
SILURIAN		1596 1970	40	0.4	24.4	2	0	0	1	25		L	12	SIL	1653	
CLIFFORD, WILLIAMSON, 8S, 1E																
				1937	40	0.0	15.0	2	0	0	0			MIS	2625	
AUX VASES, MIS		2580 1957	40			2	0	0			38	S	7			
SPAR MTN, MIS		2470 1957	20			1	0	0			38	LS	7			
MCCLOSKEY, MIS		2540 1957	#			1	0	0			38	L	5			
*COIL, WAYNE, 1S, 5E																
				1942	540	61.2	3165.7	38	3	0	26			A	MIS	3756
AUX VASES, MIS		2910 1942	370			25	3	0			39	0.12	S	10	A	
MCCLOSKEY, MIS		3065 1942	10			1	0	0			38	OL	15	AC		
ST LOUIS, MIS		3021 1967	100			8	0	0			38	L	9			
SALEM, MIS		3510 1977	90			8	0	0			38	L	14			
*COIL W, JEFFERSON, 1S, 4E																
				1942	580	38.9	1240.7	53	4	0	23			A	MIS	3666
AUX VASES, MIS		2720 1944	180			15	0	0			39	S	15	AL		
OHARA, MIS		2790 1942	220			11	0	0			38	L	7	AC		
SPAR MTN, MIS		2805	#			2	0	0			38	L	8	AC		
MCCLOSKEY, MIS		2880 1942	#			13	0	0			38	L	8	AC		
ST LOUIS, MIS		3040 1967	160			15	0	0			39	L	7			
SALEM, MIS		3546 1961	220			16	4	0			37	L	10	A		
COLLINSVILLE, MADISON, 3N, 8W																
SILURIAN		1305 1909	40	0.0	1.0	6	0	0	0	37		L	20	HL	STP	2177
*COLMAN=PLYMOUTH, HANCOCK=MCQUONOUGH, 4-5N, 4-5W																
HOING, DEV		450 1914	2520	22.7	5046.5	505	0	0	67	35	0.38	S	14	AL	SHK	1095
*CONCORD C, WHITE, 6S, 10E																
				1942	2060	142.4	8563.2	196	6	0	76			A	DEV	5313
TAR SPRINGS, MIS		2270 1943	350			26	0	0			36	S	11	AL		
HARDINSBURG, MIS		2510 1934	350			30	0	0			36	S	7	A		
CYPRESS, MIS		2625 1944	270			19	0	0			37	S	10	AL		
AUX VASES, MIS		2905 1942	670			49	0	0			36	0.15	S	14	AL	
OHARA, MIS		2930 1943	1080			2	0	0			38	L	8	AC		
SPAR MTN, MIS		3035	#			3	0	0			38	L	8	AC		
MCCLOSKEY, MIS		2990	#			56	0	0			37	L	10	AC		
ST LOUIS, MIS		3370 1976	220			16	0	0			38	L	7			
ULLIN, MIS		3900 1975	360			20	6	0			38	L	7			
CONCORD E C, WHITE, 6-7S, 10E																
				1942	420	2.8	898.9	39	0	0	12			A	MIS	3125

(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			DEEPEST TEST				
				1980	TO 1980	COMP- LETED TO 1980	CO- MPL- ETED 1980	AS- AND- ONED 1980	PROD- UCING YEAR	SUL- FUR PERC- ENT	PAY ZONE KIND OF RUCK	THI- STR- UCT- URE	ZONE	DEP- TH (FT)			
(CONTINUED FROM PREVIOUS PAGE)																	
CONCORD E C, WHITE, 6-78, 10E																	
WALTERSBURG, MIS		2140	40			4	0	0		33	S	10	A				
TAR SPRINGS, MIS		2175	70			5	0	0		36	S	4	A				
CYPRESS, MIS		2540	190			18	0	0		38	S	6	A				
RENAULT, MIS		2800	20			2	0	0		36	L	6	A				
AUX VASES, MIS		2825	70			7	0	0		36	S	12	A				
OHARA, MIS		2895	120			3	0	0			L	6	AC				
SPAR MTN, MIS		2895	#			5	0	0			S	5	AC				
MCCLOSKEY, MIS		2965	#			3	0	0			L	2	AC				
*COOKS MILLS C +, COLES, DOUGLAS, 13-14N, 7-8E																	
		1941	3150	13.3	3095.6	255	7	0		60			A	DEV	3099		
CYPRESS, MIS		1600 1955	10			1	0	0		39	S	20	A				
AUX VASES, MIS		1765 1941	10			2	0	0		37	S	15	A				
SPAR MTN, MIS		1800 1946	3090			240	6	0		37	S	9	A				
MCCLOSKEY, MIS		1840 1955	#			2	1	0			L	4	A				
CARPER, MIS		2700 1963	20			1	0	0		38	S	5					
DEVONIAN		2867 1963	40			5	1	0		37	L	3					
*CORDES, WASHINGTON, 39, 3W																	
BENOIST, MIS		1260 1939	1630	37.7	10306.4	155	0	1		35	36	0.19	S	14	A	TRN	3880
CORINTH, WILLIAMSON, 88, 4E																	
		1957	310	9.6	535.0	20	0	0		18				MIS	3550		
AUX VASES, MIS		2885 1957	290			18	0	0		38	S	10					
OHARA, MIS		2929	50			2	0	0		38	L	X					
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	3113		
			ABD 1960														
CORINTH N, WILLIAMSON, 88, 4E																	
AUX VASES, MIS		2935 1957	10	0.0	3.7	1	0	0		0	36	S	16	MIS	3180		
			ABD 1960														
CORINTH S, WILLIAMSON, 98, 4E																	
CYPRESS, MIS		2350 1972	10	0.5	8.5	1	0	0		1	S	8	MIS	2820			
			ABD 1975														
COTTAGE GROVE, SALINE, 98, 7E																	
OHARA, MIS		2770 1955	10	0.0	12.5	1	0	0		0	38	L	X	MIS	2977		
			ABD 1963														
COULTERVILLE N, WASHINGTON, 38, 5W																	
SILURIAN		2290 1958	50	1.7	40.3	5	0	0		3	42	L		ORD	3204		
*COVINGTON S, WAYNE, 28, 6E																	
		1943	540	8.6	496.5	21	2	0		5			AC	DEV	5300		
MCCLOSKEY, MIS		3310 1943	450			14	1	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	1	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	ORD	3750	
			ABD 1951, REV 1965, ABD 1967														
CRAVAT, JEFFERSON, 18, 1E																	
BENOIST, MIS		2070 1939	120	0.6	385.1	11	0	0		6	34	0.23	S	10	A	DEV	3850
CRAVAT W, JEFFERSON, 18, 1E																	
		1956	140	1.5	139.2	15	0	0		14				MIS	2390		
PENNSYLVANIAN		1045 1956	130	1.9	137.7	14	0	0		32	S	10					
BETHEL, MIS		2070 1960	10	0.0	0.0	1	0	0			S	10					
CROSSVILLE, WHITE, 48, 10E																	
		1946	110	0.0	16.0	11	0	0		0			M	MIS	4100		
BETHEL, MIS		2880 1948	40			3	0	0		38	S	9	ML				
AUX VASES, MIS		3030 1956	30			3	0	0		37	S	20	ML				
OHARA, MIS		3100	80			1	0	0			L	3	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 OIL				DEEPEST TEST	
				1980	1980	COMPL- ETED TO 1980	MPL- ETED IN 1980	AB- AND 1980	PROD- UCING YEAR	SUL- FUR PERC- ENT	PAY ZONE KIND OF ROCK	THI- CK- NESS	STR- UCT- URE	ZONE	DEP- TH (FT)	
(CONTINUED FROM PREVIOUS PAGE)																
CROSSVILLE, WHITE, 48, 10E	MCCLOSKEY, MIS	3120 1946	#	ABD 1952, REV 1956, ABD 1958		4	0	0		38	L	S	MC			
*CROSSVILLE W, WHITE, 48, 10E		1952	240	0.0	375.5	17	0	0		0			M	MIS	3500	
	CYPRESS, MIS	2810 1973	10			1	0	0				S	18			
	AUX VASES, MIS	3030 1952	130			9	0	0		37		S	8	ML		
	OHARA, MIS	3110 1958	150			1	0	0		37		L	X	M		
	SPAR MTN, MIS	3150 1958	#			3	0	0				L	X	M		
	MCCLOSKEY, MIS	3185 1956	#			7	0	0		38		L	X	MC		
				ABD 1953, REV 1956, ABD 1975												
DAHLGREN, HAMILTON, 38, 5E		1941	620	1.0	1216.9	45	0	0		2			A	DEV	5299	
	MCCLOSKEY, MIS	3300 1941	620			44	0	0		37	0.16	L	11	A		
	ULLIN, MIS	4110 1956	10			1	0	0		39		L	15	A		
DAHLGREN W, JEFFERSON, 48, 4E		4019 1960	30	0.7	31.2	3	1	0		1	38	L	6	DEV	5245	
				ABD 1966, REV 1980												
*DALE C, FRANKLIN, HAMILTON, SALINE, 5-78, 4-7E		1940	18560	297.0	100293.7	1635	12	2		205			A	PC	13051	
	TAR SPRINGS, MIS	2430 1943	480			41	0	0		36		S	25	A		
	HARPOINSBURG, MIS	2480	120			12	0	0		38		S	10	A		
	CYPRESS, MIS	2700 1940	1570			126	0	0		39		S	15	A		
	BETHEL, MIS	2975	3460			265	0	0		38	0.19	S	18	A		
	AUX VASES, MIS	3150 1945	16600			1310	0	1		37	0.15	S	20	A		
	OHARA, MIS	3110	3870			109	2	0		38	0.22	L	10	A		
	SPAR MTN, MIS	3130	#			14	0	0		38		LS	7	A		
	MCCLOSKEY, MIS	3150 1940	#			151	2	1		36	0.19	L	7	A		
	ST. LOUIS, MIS	3163 1965	100			11	4	0		39		L	X			
	SALEM, MIS	3991 1980	80			5	5	0				L	6			
	ULLIN, MIS	4168 1978	60			6	2	0				L	10			
DAWSUN, SANGAMON, 16N, 3W	SILURIAN	1636 1971	10	0.0	0.0	1	0	0		0		L	10	SIL	1705	
				ABD 1972												
DECATUR, MACON, 16-17N, 2E	SILURIAN	2000 1953	110	0.0	15.0	6	0	0		0	37	L	7	MU	ORD	2800
				ABD 1959												
DECATUR N, MACON, 17N, 3E	SILURIAN	2200 1954	10	0.0	0.1	1	0	0		0	38	L	10	MU	SIL	2240
				ABD 1955												
*DEERING CITY, FRANKLIN, 78, 3E		1957	110	1.8	325.5	8	0	0		6				MIS	3146	
	AUX VASES, MIS	2810 1957	80			6	0	0		38		S	20			
	MCCLOSKEY, MIS	2913 1963	30			2	0	0		34		OL	4			
DEERING CITY E, FRANKLIN, 78, 3E	MCCLOSKEY, MIS	2965 1974	10	1.1	9.7	1	0	0		1		L	7	MIS	3117	
*DIVIDE C, JEFFERSON, 18, 3-4E		1943	4580	177.3	11555.8	314	24	6		160			A	DEV	4700	
	AUX VASES, MIS	2620 1947	170			11	1	0		38		S	10	AL		
	OHARA, MIS	2700 1944	2630			8	0	0				L	10	AC		
	SPAR MTN, MIS	2700 1945	#			20	0	2		38		LS	6	A		
	MCCLOSKEY, MIS	2750 1943	#			160	2	0		37	0.21	L	6	AC		
	ST. LOUIS, MIS	2840 1955	360			36	3	0		37		L	7	AC		
	SALEM, MIS	3190 1960	2020			133	26	5		37		L	10	AC		
DIVIDE S, JEFFERSON, 28, 3-4E	MCCLOSKEY, MIS	2880 1948	300	0.0	497.2	16	0	0		1	37	L	5	MIS	3580	
DIX S, JEFFERSON, 18, 2E	BENOIST, MIS	1950 1941	20	0.0	13.4	2	0	0		0	35	S	8	N	MIS	2283
				ABD 1946												

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 DEP- TH (FT)	
				1980	END OF 1980	COM- PLET- ED TO END OF 1980	CO- MPL- ETED IN 1980	AS- AND- ONED 1980	PROD- UCING END OF YEAR	BUL- FUR PERC- ENT	KIND OF ROCK			THI- CK- ESS

DOLLVILLE, SHELBY, 12N, 2E														
BETHEL, MIS		1909 1961	100	0,0	34,9	6	0	0	3	37	S	8	MIS	1600
DUBOIS CEN, WASHINGTON, 38, 1W														
BENOIST, MIS		1954	130	7,3	260,4	12	0	0	8				DEV	3100
SPAR MTN, MIS		1335 1955	110			12	0	0	30		S	12		
		1530 1954	70			3	0	0	35		L	8		

DUBOIS C, WASHINGTON, 38, 1=2W														
CYPRESS, MIS		1939	1970	43,0	2398,4	132	2	1	91				A	ORD
BENOIST, MIS		1230 1947	900			44	1	1	37		S	10	AL	4217
		1325 1939	490			43	2	0	30	0,26	S	10	AL	

DUDLEY, EDGAR, 13=14N, 13W														
UPPER DUDLEY, PEN		1948	800	83,1	2468,3	119	0	0	103				N	STP
LOWER DUDLEY, PEN		310	800			24	0	0	25		S	20	ML	2997
		410	8			95	0	0	24		S	50	ML	

DUDLEYVILLE E, BOND, 4=5N, 2=3W														
DEVONIAN		2370 1954	20	0,0	2,8	2	0	0	0	37	L	5	ORD	3397
			ABU 1961											

DUPO, ST, CLAIR, 1N, 18, 10W														
TRENTON, ORD		700 1928	900	5,3	3006,4	323	0	3	25	33	0,70	L	50	A
														CAM
														3111

EAGANVILLE E, MACDOUPIN, 8N, 6W														
PENNSYLVANIAN		621 1960	10	0,0	0,0	1	1	0	1		S	7	PEN	628

EBERLE, EFFINGHAM, 6N, 6E														
CYPRESS, MIS		1947	190	3,2	142,3	14	0	0	5				N	MIS
SPAR MTN, MIS		2475 1947	100			8	0	0	37		S	10	NL	2882
HCCLOSKY, MIS		2680	110			2	0	0			LS	5	NC	
		2820 1947	8			4	0	0	38		L	7	N	
			ABU 1967, REV 1973											

EDINBURG, CHRISTIAN, 14N, 3W														
LINGLE, DEV		1810 1949	10	0,0	2,3	1	0	0	0	38	L	2	A	DEV
			ABU 1951											1853

EDINBURG S, CHRISTIAN, 14N, 3W														
HIBBARD, DEV		1795 1955	20	0,0	4,4	2	0	0	0	39	LS	13	SIL	1902
			ABU 1963											

EDINBURG W, CHRISTIAN, SANGAMON, 14N, 3=4W														
DEVONIAN		1954	1760	25,6	3053,6	128	0	0	66				A	ORD
SILURIAN		1660 1954	60			7	0	0	41		S	6	A	2285
		1690 1954	1730			123	0	0	41		L	8	A	

ELBA, GALLATIN, 88, 8E														
CYPRESS, MIS		1955	250	5,4	30,4	15	2	0	2					MIS
BETHEL, MIS		2617 1958	10			1	0	0	37		S			3000
RENAULT, MIS		2660 1955	80			3	0	0	36		S	10		
AUX VASES, MIS		2770	10			1	0	0	36		L	3		
OHARA, MIS		2780	120			5	0	0	38		S	5		
		2820 1955	80			5	2	0	38		L	11		
			ABU 1960, REV 1980											

ELBRIDGE, EDGAR, 12=13N, 11W														
PENNSYLVANIAN		1949	440	3,8	1525,9	40	0	0	19					TRN
FREDONIA, MIS		760 1950	10			2	0	0	30		S	3	U	3300
DEVONIAN		950 1949	430			37	0	0	35		L	3	U	
		1950 1949	20			2	0	0	37		L	20	U	

ELDORADO C +, SALINE, 88, 6=7E														
DEGONIA, MIS		1941	3560	85,0	12080,4	298	0	0	88				A	MIS
PALESTINE, MIS		1700 1976	20			2	0	0			S	16		3606
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	
HARDINSBURG, MIS		2200 1955	270			19	0	0	37		S	15	AL	
CYPRESS, MIS		2350 1953	300			30	0	0	38		S	8	AL	
		2575 1954	270			19	0	0	37		S	8	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 DISC- OVERY	AREA PRO- IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			DEEPEST TEST			
				1960	1960	COMP- LETTED 1960	CD- TO 1960	AB- PROD- 1960	GR, PERC- API	SUL- FUR ENT	PAY ZONE KIND ROCK	THI- STR- UNE	DEP- TH (FT)		
(CONTINUED FROM PREVIOUS PAGE)															
*ELDORADO C +, SALINE, 88, 6-7E															
SAMPLE, MIS		2680 1954	70			6	0	0		37	S	18	AL		
BENOIST, MIS		2778 1962	#			1	0	0			S	10	AL		
AUX VASES, MIS		2900 1954	910			66	0	0		37	S	12	AL		
OHARA, MIS		2900	90			3	0	0			L	5	AC		
SPAR MTN, MIS		2900	#			2	0	0			L8	4	AC		
MCCLOSKEY, MIS		2975 1941	#			2	0	0		39	0.14	L	5	AC	
*ELDORADO E +, SALINE, 88, 7E															
		1953	440	1.5	431.7	31	0	0		6			A	MIS 3666	
PALESTINE, MIS		1915 1954	30			2	0	0		36	S	10	AL		
TAR SPRINGS, MIS		2190 1954	40			3	0	0		35	S	10	AL		
CYPRESS, MIS		2515 1954	90			6	0	0		37	S	20	AL		
AUX VASES, MIS		2885 1953	340			20	0	0		38	S	6	AL		
SPAR MTN, MIS		2975 1954	10			1	0	0		38	L	4	AC		
ELDONADO H +, SALINE, 88, 6E															
		1955	50	0.0	46.0	6	0	0		1				MIS 3138	
PALESTINE, MIS		1940 1956	40			3	0	0		30	S	18			
RENAULT, MIS		2910 1955	20			2	0	0		37	L	6			
AUX VASES, MIS		2960 1955	20			2	0	0		38	L	6			
ELK PRAIRIE, JEFFERSON, 48, 2E															
		1938	20	0.0	41.1	2	0	0		0				MIS 3470	
MCCLOSKEY, MIS		2735 1938	20			2	0	0		37	L	7			
SALEM, MIS		3076 1960	10			1	0	0		37	L	8			
ABD 1940, REV 1960, ARD 1970															
ELKTON, WASHINGTON, 28, 4W															
BAILEY, DEV		2340 1955	40	0.0	2.6	2	0	0		0	40	L	30	DEV 2485	
ABD 1960															
ELKTON N, WASHINGTON, 28, 4W															
HARDIN, DEV		2320 1971	160	2.7	76.8	9	0	0		9	S	7		ORD 3275	
ELKVILLE, JACKSON, 78, 1N															
BENOIST, MIS		2000 1941	10	0.0	4.0	1	0	0		1	36	0.22	S	10	SIL 3914
*ELLERY E, EDWARDS, 29, 10E															
		1952	430	8.8	1020.6	35	0	1		7			M	MIS 4227	
AUX VASES, MIS		3180 1953	240			23	0	0		36	S	35	ML		
OHARA, MIS		3255 1952	260			11	0	1		37	L	6	MC		
SPAR MTN, MIS		3255	#			3	0	0			L	4	MC		
MCCLOSKEY, MIS		3260 1978	#			1	0	0			L	6			
ULLIN, MIS		4218 1979	10			1	0	1			L	9			
*ELLERY N, EDWARDS, WAYNE, 28, 9-10E															
		1942	120	3.2	81.5	10	0	0		4			M	DEV 5425	
BETHEL, MIS		3100 1954	20			2	0	0			S	35	ML		
AUX VASES, MIS		3230 1954	20			2	0	0			S	12	ML		
OHARA, MIS		3300 1972	90			2	0	0			L	4			
SPAR MTN, MIS		3345	#			4	0	0			S	8	ML		
MCCLOSKEY, MIS		3420 1942	#			2	0	0		37	0.19	L	7	MC	
ST LOUIS, MIS		3438	10			1	0	0			L	6			
ABD 1943, REV AND ABD 1951, REV 1954															
*ELLERY S, EDWARDS, 2-38, 10E															
		1943	140	2.5	178.9	14	3	0		5			M	MIS 4311	
AUX VASES, MIS		3200 1947	90			7	2	0		36	S	15	ML		
MCCLOSKEY, MIS		3300 1943	90			7	2	0		38	L	9	MC		
ULLIN, MIS		4156 1978	10			1	0	0			L	10			
ABD 1952, REV 53, ABD 59, REV 60, REV 78															
*ELLIOTTSTOWN, EFFINGHAM, 7N, 7E															
SPAR MTN, MIS		2730 1947	10	0.0	13.7	1	0	0		0	39	S	8	ML MIS 2884	
ABD 1951															
*ELLIOTTSTOWN E, EFFINGHAM, 7N, 7E															
		1954	90	2.2	132.6	7	0	0		1				MIS 3292	
CYPRESS, MIS		2485 1954	10			1	0	0		35	S	5	ML		
SPAR MTN, MIS		2750 1962	80			3	0	0			L	10			
MCCLOSKEY, MIS		2771 1962	#			3	0	0		37	L	8			
ABD 1956, REV 1962															

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	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST		
				IN	TO	COMPL- ETED	CO- MPL- ETED	AB- AND	PROD- UCING	SUL- FUR	KIND			THI- CKN-	STR- UCT-
(• SECONDARY RECOVERY SEE PART II)	NAME AND AGE	(FT)	ACRES	1980	1980	1980	1980	1980	GR.	PERC-	OF	ESS	URE	(FT)	
*ELLIOTTSTOWN N, EFFINGHAM, 7N, 7E															
		1953	310	0.7	270.7	19	0	0	4	36	S	4	HL	MIS	3350
	CYPRESS, MIS	2430	20			2	0	0			S				
	AUX VASES, MIS	2710	10			1	0	0		37	S	2			
	SPAR MTN, MIS	2666	270			2	0	0			L	3			
	MCCLOSKEY, MIS	2738	#			14	0	0		37	OL	17			
ABU 1958, REV 1964															
*ENERGY, WILLIAMSON, 98, 2E															
	AUX VASES, MIS	2354	110	6.7	193.6	9	0	0	9		S	16		MIS	2696
*ENFIELD, WHITE, 5S, 8E															
	AUX VASES, MIS	3250	520	26.6	1251.6	34	1	2	11		S	10	A	MIS	4637
	OHARA, MIS	3310	320			21	0	1		39	L	4	AL		
	MCCLOSKEY, MIS	3385	170			4	0	0		37	L	8	AC		
	ULLIN, MIS	4320	8			5	0	0			L	8	AC		
			30			4	1	1			L	19			
ABU 1951, REV 1952															
ENFIELD N, WHITE, 5S, 8E															
	AUX VASES, MIS	3320	260	48.9	324.2	20	0	0	12		S	12		MIS	4500
	OHARA, MIS	3400	230			16	0	0			L	6			
	ULLIN, MIS	4385	20			3	0	0			L	6			
			10			1	0	0			L	6			
ENFIELD S, WHITE, 6S, 8E															
	AUX VASES, MIS	3174	40	2.3	2.3	3	1	0	1		S	2		MIS	4336
	MCCLOSKEY, MIS	3277	10			1	0	0		39	S	2			
			40			3	1	0		38	L	6			
ABU 1963, REV 1980															
EVERS, EFFINGHAM, 8N, 7E															
	SPAR MTN, MIS	2610	80	0.8	129.3	6	0	0	2		L	7	A	ORD	5370
	MCCLOSKEY, MIS	2660	70			3	0	0		39	L	4	AL		
	SALEM, MIS	3126	#			2	0	0			L	4	AC		
			10			1	0	0			L	4			
ABU 1949, REV 1953															
EVERS S, EFFINGHAM, 7N, 7E															
	SPAR MTN, MIS	2650	10	0.0	2.4	1	0	0	0	38	L8	8	AC	MIS	2783
ABU 1951															
EWING, FRANKLIN, 5S, 3E															
	AUX VASES, MIS	2835	200	2.0	535.7	10	0	0	2		S	8	A	MIS	3951
	MCCLOSKEY, MIS	2970	40			3	0	0		38	L	7	AL		
			160			7	0	0		36	L	7	A		
ABU 1971, REV 1976															
EWING E, FRANKLIN, 5S, 3E															
	OHARA, MIS	3010	210	40.5	165.5	16	1	0	14		L	10		ORD	9511
	ST LOUIS, MIS	3263	10			1	0	0		38	L	8			
	SALEM, MIS	3546	20			2	0	0			L	14			
	ULLIN, MIS	3880	190			13	1	0			L	6			
REV 1976															
EXCHANGE, MARION, 1N, 3E															
	OHARA, MIS	2695	50	6.2	77.4	5	1	0	3		L	10	M	SIL	4908
	MCCLOSKEY, MIS	2730	30			1	0	0		37	L	8	MC		
	ST LOUIS, MIS	2951	#			2	0	0		37	L	5	MC		
	SALEM, MIS	3171	10			1	0	0			L	5			
			30			3	1	0			L	15			
ABU 1967, REV 1975															
*EXCHANGE E, MARION, 1N, 4E															
	OHARA, MIS	2775	230	1.7	544.4	17	0	0	2		L	14		MIS	3531
	SPAR MTN, MIS	2780	220			1	0	0			L	11			
	MCCLOSKEY, MIS	2840	#			8	0	0		37	L	4			
	ST. LOUIS, MIS	2940	10			6	0	0		38	L	8			
			10			1	0	0			L	8			
*EXCHANGE N C, MARION, 1N, 3-4E															
	SPAR MTN, MIS	2682	230	12.2	829.2	24	0	0	15		L	3	MC	MIS	3390
	MCCLOSKEY, MIS	2763	200			1	0	0			L	6	MC		
	ST LOUIS, MIS	2946	#			21	0	0		37	L	6			
	SALEM	3080	20			1	0	0			L	6			
			30			2	0	0		37	L	11	MC		
ABU 1952, REV 1955, ABD 1959, REV 1965															

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR DEP- OF TH DISC- (PT) OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST			
				1980	TO ING END OF 1980	COMP- LETED TO END OF 1980	CO- MPL- IN 1980	AB- ONED 1980	PROD- UCING YEAR	SUL- FUR PERC- API ENT	KINU OF ROCK			THI- STR- UCT- URE	ZONE	DEP- TH (FT)
*EXCHANGE W, MARION, 1N, 3E																
OHARA, MIS		1957	310	5.4	276.0	25	0	0	7				MIS	3008		
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	9.6	2130.8	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	
			ABD 1962													
FEHRER LAKE, GALLATIN, 9S, 10E																
AUX VASES, MIS		2672 1963	10	0.0	4.7	1	0	0	0	36		L	8	MIS	2862	
			ABD 1966													
FERRIN, CLINTON, 2N, 1W																
DEVONIAN		1976	10	0.0	0.0	1	0	1	0					ORD	3956	
TRENTON, ORD		2840 1976	10			1	0	1				L	7			
		3930 1976	10			1	0	0				L	18			
			ABD 1980													
FICKLIN, DOUGLAS, 16N, 8E																
SPAR MTN, MIS		1470 1969	70	2.0	34.5	5	0	0	5			S	8	CAN	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				
			ABD 1952													
*FLORA S, CLAY, 2N, 6E																
MCCLOSKEY, MIS		2985 1946	60	0.0	168.0	4	0	0	0	39		L		AC	DEV	4770
			ABD 1961													
FLORA SE, CLAY, 2N, 6E																
MCCLOSKEY, MIS		3073 1972	100	5.3	54.9	8	0	0	7			L	5	MIS	3700	
FORSYTH, MACON, 17N, 2E																
SILURIAN		2118 1963	440	72.5	155.3	31	8	0	26	38		L	14	SIL	2220	
FRANCIS HILLS, SALINE, 7S, 7E																
CYPRESS, MIS		2675 1952	10	0.2	97.5	1	0	0	1	36		S	5	MIS	3238	
FRANCIS HILLS S, SALINE, 7S, 7E																
OHARA, MIS		1955	20	0.0	5.6	2	0	0	0					MIS	3180	
SPAR MTN, MIS		3010 1955	20			2	0	0				L	11			
		3042 1962	#			1	0	0		37		L	6			
			ABD 1957, REV AND ABD 1962													
FREEBURG +, ST. CLAIR, 1-28, 7W (NOW FREEBURG GAS STORAGE PROJECT)																
CYPRESS, MIS		380 1955	20	0.0		X	2	0	0	30		S	30	ORD	2008	
FREEMANSPUR, 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		1946	200	7.6	153.9	15	2	1	5					MIS	2797	
AUX VASES, MIS		2330 1946	50			5	0	0		35		S	15	HC		
		2585 1980	10			1	1	0				S	5			
OHARA, MIS		2597 1972	150			6	1	0				L	8			
SPAR MTN, MIS		2629 1972	#			3	0	1				S	4			
MCCLOSKEY, MIS		2656 1980	#			1	1	0				OL	3			
			ABD 1956, REV 1972													

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (a SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR DEP- TH OF DISC- VERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST			
				1980	1980	COMP- LETED 1980	CO- MPL- IN 1980	AB- AND 1980	PROD- UCING YEAR	SUL- FUR PERC- ENT	KIND OF ROCK			THI- STR- URE	ZONE	DEP- TH (FT)
*FRIENDSVILLE N, WABASH, 1N, 12-13N																
		1946	220	1.5	278.5	20	0	0	2			MC	MIS	2676		
	BIEHL, PEN	1620 1946	220			19	0	0	34			12	MC			
	BETHEL, MIS	2308 1959	10			1	0	0	35			11	M			
FROGTOWN, CLINTON, 2N, 3-4W																
	CARLYLE (CYP), MIS	950 1918	90	0.0	X	14	0	0	0	32		ML	TRN	3290		
ABD 1933, REV 1949, AND 1956																
*FROGTOWN N, CLINTON, 2-3N, 3-4W																
		1951	440	10.6	2136.1	37	0	0	22			U	SIL	2456		
	ST, LOUIS, MIS	1200 1951	60			5	0	0	35			L	10	0		
	DEVONIAN	2250 1951	410			32	0	0	35			L	8	R		
GALATIA N, SALINE, 7S, 9E																
	AUX VASES, MIS	1980	20	2.8	2.8	2	2	0	2					MIS	4544	
	SPAR MTN, MIS	3216 1980	10			1	1	0				8	5			
		3391 1980	10			1	1	0				8	6			
*GARUS POINT C, WABASH, 1N, 14W																
		1951	700	14.7	1075.9	40	1	2	22					MIS	4205	
	OHARA, MIS	2870 1951	680			38	0	2	40			L	6	MC		
	MCCLOSKEY, MIS	2905 1976	8			1	0	0				OL	4			
	SALEM, MIS	3375 1980	10			1	1	0				L	8			
	ULLIN, MIS	3698 1975	10			1	0	0				L	8			
GAYS, MOULTRIE, 12N, 6E																
	AUX VASES, MIS	1946	90	2.0	108.9	6	0	0	1					M	DEV	3305
	CARPER, MIS	1970	80			5	0	0	36			8	5	ML		
	DEVONIAN	2963 1963	10			1	0	0	37			8	16			
		3205 1955	10			1	0	0	38			L	3	MC		
ABD 1950, REV 1955																
*GERMANTOWN E, CLINTON, 1-2N, 4W																
	SILURIAN	2350 1956	380	12.2	1995.6	27	0	0	24	40		L	30	R	TRN	3310
*GILA, JASPER, 7-8N, 9E																
	MCCLOSKEY, MIS	2850 1957	490	0.3	1048.4	34	0	0	2	39		OL	3	MC	MIS	2971
GILLESPIE-WYEN, MACOUPIN, 8N, 6W																
	UNNAMED, PEN	650 1919	70	1.4	X	23	0	0	2	28		8	X	T	ORD	2560
GLENARM, SANGAMON, 14N, 5W																
	SILURIAN	1680 1955	130	0.5	60.2	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																
		1939	7740	176.3	18222.6	559	15	5	217					A	DEV	5522
	CYPRESS, MIS	2942 1960	90			4	0	0	36			8	8	A		
	BETHEL, MIS	3110 1951	350			22	0	0	37			8	11	ML		
	AUX VASES, MIS	3180 1944	3790			202	0	2	40	0.14		8	15	AL		
	OHARA, MIS	3250 1943	4680			59	3	0	39			OL	6	AC		
	SPAR MTN, MIS	3275	8			88	3	2	38			OL	7	AC		
	MCCLOSKEY, MIS	3310 1939	8			183	8	3	36	0.19		OL	7	AC		
	ST, LOUIS, MIS	3430 1982	30			4	0	0	40			L	10	HL		
	SALEM, MIS	4130 1975	190			15	3	0				L	30			
	ULLIN, MIS	4185 1961	200			12	2	0	39			L	9	A		
	DUTCH CREEK, DEV	5346 1961	350			16	0	0	39			8	10			
GOLDENGATE E, WAYNE, 3S, 9E																
		1951	30	0.9	22.4	2	0	0	1					MIS	3420	
	OHARA, MIS	3290 1951	20			1	0	0	37			L	3			
	SPAR MTN, MIS	3340 1976	10			1	0	0				8	4			
ABD 1957, REV 1968																
*GOLDENGATE N C, WAYNE, 1-2S, 8-9E																
		1945	780	17.1	681.6	58	2	0	41					M	MIS	4383
	BETHEL, MIS	3095 1952	10			2	0	0	38			8	3	ML		
	AUX VASES, MIS	3235 1948	400			34	1	0	39			8	25	ML		
	OHARA, MIS	3300 1945	530			10	0	0	37			L	4	MC		
	SPAR MTN, MIS	3325 1945	8			19	1	0	37			L	5	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) OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL			DEEPEST TEST	
				OUR- ING 1980	TO END OF 1980	COMP- LETED 1980	CD- MPL 1980	AB- AND- 1980	PROD- UCING YEAR	SUL- FUR API	PAY ZONE KIND ROCK	THI- STR- URE	UCT- ZONE	DEP- TH (FT)
(CONTINUED FROM PREVIOUS PAGE)														
*GOLDENGATE N C, WAYNE, 1228, 8-9E	MCCLOSKEY, MIS	3350	#			21	0	0		39	L	6	MC	
GRANDVIEW +, EDGAR, 12-13N, 13W	PENNSYLVANIAN	560 1945	70	0.3	7.3	7	0	0		5 30	S	10	M	DRD 2694
GRAYSON, SALINE, 88, 7E														
	CYPRESS, MIS	2515 1957	30	0.0	22.9	3	0	0		0	S	6		MIS 3045
	AUX VASES, MIS	2913 1961	10			1	0	0		38	L	4		
	MCCLOSKEY, MIS	2920 1957	20			1	0	0		37	L	6		
			ABD 1972											
GREENVILLE GAS +, BOND, 5N, 3W	LINGLE, DEV	2240 1957	10	0.0	0.0	1	0	0		0 38	L	5	A	TRN 3184
			ABD 1958											
HADLEY, RICHLAND, 4N, 14W	SPAR MTN, MIS	2970 1976	230	2.4	14.5	13	1	0		12	S	10		MIS 3750
*HALF MOON, WAYNE, 13, 9E														
	AUX VASES, MIS	3190 1951	1260	5.5	3279.6	68	0	2		17			M	DEV 5369
	OHARA, MIS	3280	20			1	0	0		38	S	18	ML	
	SPAR MTN, MIS	3280 1947	1240			39	0	1		40	L	11	MC	
	MCCLOSKEY, MIS	3300 1947	#			11	0	0			L	4	MC	
	SALEM, MIS	3985 1977	10			22	0	1		37	L	10	MC	
						1	0	0			L	6		
*MARGO +, SALINE, 88, 5E														
	MARONSBURG, MIS	2330 1956	1140	22.2	1903.1	94	0	2		35				MIS 3424
	CYPRESS, MIS	2618 1959	30			1	0	0		36	S	6		
	SAMPLE, MIS	2675 1954	50			4	0	0		38	S	8		
	AUX VASES, MIS	2860 1955	990			4	0	1		39	S	8		
	OHARA, MIS	2965 1956	220			75	0	1		41	S	15		
	SPAR MTN, MIS	2970 1956	#			6	0	0			L	10		
						8	0	0		39	LS	10		
*MARGO E +, SALINE, 88, 5E														
	CYPRESS, MIS	2575 1955	330	3.2	358.3	30	0	0		8				MIS 3421
	AUX VASES, MIS	2865 1956	120			12	0	0		38	S	20		
	OHARA, MIS	2880 1958	220			13	0	0		38	S	8		
			40			4	0	0		39	L	14		
*HARRISBURG +, SALINE, 88, 6E														
	WALTERSBURG, MIS	2020 1955	100	0.0	252.3	10	0	0		0				MIS 2430
	TAR SPRINGS, MIS	2115 1952	90			9	0	0		38	S	14		
			10			1	0	0		37	S	6		
			ABD 1971											
HARRISBURG S, SALINE, 98, 6E	CYPRESS, MIS	2300 1955	10	0.0	0.0	1	0	0		0 37	S			MIS 2352
			ABD 1956											
HARRISBURG W, SALINE, 98, 6E	TAR SPRINGS, MIS	1944 1974	30	0.0	7.3	3	0	0		1	S	18		MIS 2903
HARRISTOWN, MACON, 16N, 1E	SILURIAN	2050 1954	300	23.2	216.4	21	5	0		11 39	L	3	MU	SIL 2117
HARRISTOWN S, MACON, 16N, 1E	SILURIAN	2140 1975	90	18.9	110.5	7	0	0		6	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
			ABD 1973											

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) QVRY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE	DEEPEST TEST DEPTH (FT)			
				1980	1980	COMP- LETED 1980	CO- TO 1980	AB- ETED 1980	PROD- UCING YEAR	SUL- FUR API			KIND OF ROCK	THI- STR- URE	
*EMERALD C, WHITE, GALLATIN, 6-8S, 9-10E															
PENNSYLVANIAN		1940	6500	195,3	17405,4	568	9	1	218		A	DEV 5285			
			390			1	0	0		29	8	10 AL			
PENNSYLVANIAN		1940	#			23	0	0		36	8	15 AL			
PENNSYLVANIAN			1750			5	0	0		29	8	18 AL			
DEGONIA, MIS		1947	60			3	0	0		36	8	12 AL			
CLORE, MIS			60			2	0	0		36	8	10 AL			
PALESTINE, MIS			10			2	0	0		34	8	20 AL			
WALTERSBURG, MIS		1947	530			46	0	0		33	8	10 A			
TAR SPRINGS, MIS		1944	740			60	0	1		38	0,24	8 13 A			
CYPRESS, MIS		1947	2020			169	9	0		35	0,22	8 14 A			
BETHEL, MIS			190			20	0	0		37	8	11 AL			
AUX VASES, MIS		1943	3090			232	3	1		38	8	6 AL			
UMARA, MIS			540			8	0	0		37	L	6 AC			
SPAR MTN, MIS			3005			7	0	0			L	4 AC			
MCCLOSKEY, MIS		1945	#			26	0	0		35	L	10 AC			
SALEM, MIS		1976	10			1	0	0			L	5			
ULLIN, MIS		1977	10			1	0	0			L	12			
HERRIN, WILLIAMSON, 6S, 2E															
CYPRESS, MIS		1965	10	0,0	2,0	1	0	0		0	38	8	9	MIS 2682	
ABO 1972															
*MICKORY HILL, MARION, 1N, 4E															
CYPRESS, MIS		1964	80	0,2	25,5	6	0	1		0				MIS 3500	
BENDIST, MIS		1964	10			1	0	0		36	8	10			
SPAR MTN, MIS		1964	20			2	0	0		37	8	7			
		1964	30			3	0	1		37	8	6			
ABO 1972, REV 78, ABO 80															
HIDALGO, JASPER, 8N, 10E															
MCCLOSKEY, MIS		1940	150	5,0	32,0	14	9	0		10				DEV 4246	
ST LOUIS, MIS		1940	140			13	8	0		37	0,20	L	4	MC	
		1980	10			1	1	0				L	4		
ABO 1952, REV 1965															
HIDALGO E, JASPER, 8N, 10E															
AUX VASES, MIS		1966	650	72,3	123,3	43	20	0		43				MIS 3048	
SPAR MTN, MIS		1979	40			3	0	0			8	4			
MCCLOSKEY, MIS		1979	610			1	0	0			8	4			
		1966	8			41	20	0		37	0	6			
HIDALGO N, CUMBERLAND, 9N, 9E															
SPAR MTN, MIS		1946	220	1,1	87,4	16	0	0		10				MIS 2607	
MCCLOSKEY, MIS		1946	220			11	0	0		37	8	12			
		1959	#			8	0	0		37	OL	9			
HIDALGO S, JASPER, 8N, 10E															
MCCLOSKEY, MIS		1964	160	37,8	40,4	11	6	0		7	37	0	4	MIS 3040	
ABO 1973, REV 1978															
HIGHLAND, MADISON, 4N, 5W															
HARDIN, DEV		1960	10	0,0	0,0	1	0	0		0	37	8	7	U	DEV 1983
ABO 1962															
MILL, EFFINGHAM, 6N, 6E															
AUX VASES, MIS		1943	80	3,5	55,7	7	0	0		3				MIS 2963	
SPAR MTN, MIS		1978	20			2	0	0			8	8			
MCCLOSKEY, MIS		1977	70			1	0	0			8	4			
		1943	#			4	0	0		39	L	5	N		
ABO 1950, REV 1970, ABO 1972, REV 1977															
*MILL E, EFFINGHAM, 6N, 6E															
CYPRESS, MIS		1954	500	3,4	1304,5	39	1	0		4				MIS 3293	
AUX VASES, MIS		1955	290			26	0	0		37	8	8			
SPAR MTN, MIS		1957	10			1	0	0		37	8	10			
MCCLOSKEY, MIS		1954	260			2	0	0			L	5			
ST, LOUIS, MIS		1954	8			10	1	0		40	L	7			
		1966	10			1	0	0			D	14			
HILLSBORO, MONTGOMERY, 9N, 3W															
LINGLE, DEV		1962	30	0,0	0,2	3	0	0		0	36	8	4	DEV 2153	
ABO 1967															
HOFFMAN, CLINTON, 1N, 2W															
CYPRESS, MIS		1939	360	6,7	648,6	54	0	0		31				DEV 2914	
			190			16	0	0		36	8	11	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- TH OF DISC- (PT) OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST	
				DUR- ING 1980	TO END OF 1980	COMP- LETED TO END OF 1980	CO- MPL- IN 1980	AB- AND 1980	PROD- UCING YEAR	SUL- FUR PERC- API	KIND OF ROCK			THI- CK- ESS
(CONTINUED FROM PREVIOUS PAGE)														
HOFFMAN, CLINTON, 1N, 2W	BENDIST, MIS	1320 1939	240			39	0	0		33	0.21	S	7	A
HOLLIDAY, FAYETTE, 9N, 3E	DEVONIAN	3150 1977	10 ABU 1978	0.0	0.0	1	0	0		0		S	6	DEV 3237
HOODVILLE E, HAMILTON, 58, 7E	MCCLOSKEY, MIS	3365 1944	40 ARD 1944	0.0	0.6	2	0	0		0	37	L	3	N MIS 4461
*MORD, CLAY, 5N, 6E	AUX VASES, MIS STE. GEN, MIS	1950 2702 1959 2800 1950	270 70 270	2.0	593.3	19 6 13	0 0 0	0 0 0		2 36 37		S L	M 10 5	MIS 2954
MORD N, EFFINGHAM, 6N, 6E	CYPRESS, MIS AUX VASES, MIS	1958 2430 1958 2633 1959	60 40 30	3.3	189.0	6 3 3	0 0 0	0 0 0		4 33 38		S S		MIS 2660
*MORD S C, CLAY, 5N, 6E	AUX VASES, MIS STE. GEN, MIS	1942 2735 1955 2790 1942	380 20 380	1.2	1801.8	28 2 26	0 0 0	3 0 3		5 37 36		S L	N 8 7	MIS 3104
ABU 1945, REV 1951														
HORNBY NW, MACOUPIN, 9N, 6W	PENNSYLVANIAN	587 1980	10	0.0	0.0	1	1	0		1		S	30	PEN 617
HORNBY S, MACOUPIN, 8N, 6W	PENNSYLVANIAN	640 1956	50 ABU 1957, REV 1959, ABD 1960	0.0	0.0	4	0	0		0	28	S	1	PEN 715
HOYLETON W, WASHINGTON, 19, 2W	CLEAR CREEK, DEV	2895 1955	10 ABU 1964	0.0	3.7	1	0	0		0	39	L	12	SIL 2969
HUEY, CLINTON, 2N, 2W	BENDIST, MIS	1260 1945	80 ABU 1974	0.0	5.4	7	0	0		0	34	S	6	AL DEV 2770
HUEY S, CLINTON, 1=2N, 2=3W	CYPRESS, MIS SILURIAN	1953 1080 1953 2585 1956	310 190 110	3.2	281.9	23 17 6	0 0 0	0 0 0		15 34 40		S L	5 10	SIL 2675
HUNT CITY, JASPER, 7N, 10E	SPAR MTN, MIS MCCLOSKEY, MIS	1945 2540 1945 2525 1980	20 20 #	0.4	1.2	2 1 1	1 0 1	0 0 0		1 37 1		S OL	10 33	MIS 3020
ABU 1950, REV 1980														
HUNT CITY E, JASPER, 7N, 14W	FREDONIA, MIS ST. LOUIS, MIS	1952 2000 1952 2187 1966	90 90 10	0.0	20.9	8 8 1	0 0 0	0 0 0		1 40 39		L D	6 20	SIL 3660
ABU 1954, REV 1965														
HUNT CITY S, JASPER, 7N, 14W	SPAR MTN, MIS MCCLOSKEY, MIS	1966 2392 1980 2341 1966	110 30 #	1.4	16.5	7 1 6	4 1 3	0 0 0		6 1 38		S L	6 4	DEV 4024
HUTTON, COLES, 11N, 10E	PENNSYLVANIAN	530 1939	20 ABU 1966	0.0	15.0	2	0	0		0	30	S	15	MIS 969
ILLIOPOLIS, SANGAMON, 16N, 2W	SILURIAN	1765 1977	60	4.6	9.2	2	1	0		2		L	3	SIL 1803

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (A SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH OF (FT) UVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL			PAY ZONE	DEEPEST TEST ZONE TH (FT)	
				TO 1980	TO 1980	COMP- LETED TO 1980	CO- MPL- ETED 1980	AB- AND- 1980	PROD- UCING END OF YEAR	SUL- FUR PERC- ENT	KIND OF RUCK	THI- STR- ESS			
*INA, JEFFERSON, 48, 2-3E															
RENAULT, MIS		1938	430	0.0	747.7	28	0	0	0				A	MIS	3521
AUX VASES, MIS		1954	130			7	0	0	0	36	S	14	AL		
SPAR MTN, MIS		1958	30			3	0	0	0	36	S	26	A		
MCCLOSKY, MIS		1957	110			3	0	0	0		S	10	A		
ST. LOUIS, MIS		1938	90			4	0	0	0	35	L	10	A		
SALEM, MIS		1957	40			4	0	0	0	37	0.20	L	4	AC	
ABD 1946, REV 1954, ABD 1977															
*INA N, JEFFERSON, 48, 3E															
MCCLOSKY, MIS		1949	10	0.0	0.7	1	0	0	0	35	L	4		MIS	3689
ABD 1950															
*INCLOSE +, EDGAR, CLARK, 12N, 13-14W															
ISABEL, PEN		1941	110	0.2	X	15	0	0	4	30	S		AL	MIS	1600
*INGRAHAM, CLAY, 4N, 8E															
TAR SPRINGS, MIS		1942	680	4.0	1009.6	47	0	1	4				M	MIS	3702
AUX VASES, MIS		1969	10			1	0	0			S	8			
SPAR MTN, MIS		1915	80			6	0	0	36	S	8	15	NL		
MCCLOSKY, MIS		1942	620			34	0	1	37	0.21	L	7	NC		
ABD 1942, REV 1943, ABD 1944, REV 1950, ABD 1968, REV 1969															
*INMAN E C, GALLATIN, 7-8S, 10E															
PENNSYLVANIAN		1940	4770	73.4	22317.4	453	6	1	158				A	DEV	5100
PENNSYLVANIAN		1940	80			5	1	0	38	S	10	AF			
UEGONIA, MIS		1940	90			2	0	0		S	4	AF			
CLORE, MIS		1942	50			4	0	0	37	S	10	AF			
PALESTINE, MIS		1942	90			6	0	0	36	S	8	AF			
WALTERSBURG, MIS		1942	1230			4	0	0	35	S	13	AF			
TAR SPRINGS, MIS		1940	1870			83	2	0	37	S	18	AF			
HARDINSBURG, MIS		1943	280			160	0	1	37	0.24	S	13	AF		
CYPRESS, MIS		1942	2410			17	0	0	34	S	10	AF			
RENAULT, MIS		1942	20			166	0	0	37	0.23	S	14	AF		
AUX VASES, MIS		1942	20			2	0	0	36	S	5	AF			
OHARA, MIS		1947	160			50	3	0	37	S	8	AF			
SPAR MTN, MIS		1947	160			2	0	0		L	5	AF			
MCCLOSKY, MIS		1947	160			1	0	0		L	7	AF			
ST. LOUIS, MIS		1957	40			8	0	0	39	L	8	AF			
*INMAN W C, GALLATIN, 7-8S, 9-10E															
PENNSYLVANIAN		1940	3920	92.7	9277.9	353	3	3	175				T	MIS	4134
PENNSYLVANIAN		1940	190			5	0	0		S	8	NL			
BIHEL, PEN		1940	1630			4	0	0		S	5	NL			
PALESTINE, MIS		1947	1750			7	0	0	35	S	12	NL			
WALTERSBURG, MIS		1947	40			4	0	0	35	S	13	NL			
TAR SPRINGS, MIS		1943	130			8	0	0	37	S	10	TL			
HARDINSBURG, MIS		1943	1340			93	0	1	36	S	8	TL			
CYPRESS, MIS		1942	300			22	0	0	32	S	10	TL			
SAMPLE, MIS		1942	2210			170	0	2	37	S	10	T			
RENAULT, MIS		1949	50			1	0	0	36	S	30	T			
AUX VASES, MIS		1949	30			3	0	0	37	L	7	T			
OHARA, MIS		1949	930			75	2	0	37	S	15	TL			
SPAR MTN, MIS		1940	290			6	0	0		L	12	TC			
MCCLOSKY, MIS		1941	8			4	0	0	38	L	8	TC			
ST LOUIS, MIS		1967	10			18	2	1	36	0.19	L	6	TC		
*IOLA C&N, CLAY, 5N, 5E															
CYPRESS, MIS		1954	220	7.1	84.6	19	1	0	10					MIS	2800
BENOIST, MIS		1972	130			12	1	0		S	15				
ABD 1957, REV 1965															
*IOLA C, CLAY, EFFINGHAM, 5-6N, 5-6E															
TAR SPRINGS, MIS		1939	3470	129.7	16404.5	309	2	3	207				A	DEV	4227
CYPRESS, MIS		1943	20			1	0	0	35	S	9	AL			
BETHEL, MIS		1942	780			52	0	0	35	S	15	A			
BENOIST, MIS		1942	60			5	0	1	36	S	10	AL			
RENAULT, MIS		1939	1260			87	0	0	36	0.14	S	12	A		
AUX VASES, MIS		1939	10			1	0	0		L	X	AC			
OHARA, MIS		1963	2420			195	0	2	36	0.25	S	10	A		
SPAR MTN, MIS		1940	1490			1	0	0		L	6	A			
MCCLOSKY, MIS		1940	8			69	1	1	37	L8	7	A			
ABD 1942, REV 1943, ABD 1944, REV 1950, ABD 1968, REV 1969															

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR	AREA	PRODUCTION		NUMBER OF WELLS				CHARACTER		PAY ZONE	DEEPEST		
				M BBLs	IN	COMP- LETED	CO- MPL- AB-	PROD- UCING	SUL- FUR	PAY ZONE	TH		STR- UCT- ZONE	DEP- TH	
(# SECONDARY RECOVERY SEE PART II)	NAME AND AGE	DEP- TH (FT)	VEU IN ACRES	DUR- ING 1980	TO END OF 1980	TO END OF 1980	ETED IN 1980	AND- ONED 1980	YEAR	GR, PERC- API	ENT	KIND OF RUCK	TH- CKN- ESS	URE	TH (FT)
IOLA S, CLAY, 4N, SE															
BENOIST, MIS	2490 1948	380	4,7	538,2	30	3	0	12	36	S	10	A	SIL	5075	
SPAR MTN, MIS	2590	100			12	1	0			L	6	AC			
MCCLOSKY, MIS	2650 1947	240			8	0	0			L	3	AC			
CARPER, MIS	3900 1967	#			9	1	0		37	L	7				
DEVONIAN	4238 1980	10			1	0	0		38	S	7				
		20			1	1	0			S	8				
IOLA W, CLAY, 5N, SE															
MCCLOSKY, MIS	2495 1945	10	0,0	0,5	1	0	0	0	37	L	11	MC	MIS	2613	
ABD 1945															
IRVINGTON, WASHINGTON, 1S, 1W															
BEECH CREEK, MIS	1525 1940	1420	87,2	9604,3	143	2	0	94	38	L	3	A	ORD	4440	
CYPRESS, MIS	1380 1943	10			1	0	0		36	S	12	A			
BENOIST, MIS	1535 1940	420			36	1	0		37	0,16	8	12	A		
CLEAR CREEK, DEV	3090	1040			65	0	0		39	0,27	L	12	A		
TRENTON, ORD	4275 1956	390			22	3	0		39	L	12	A			
		110			6	0	0			L	90	A			
IRVINGTON E, JEFFERSON, 1S, 1E															
PENNSYLVANIAN	1030 1951	340	16,2	1130,6	27	0	0	25	32	S	15		MIS	2222	
CYPRESS, MIS	1750 1955	40			5	0	0		37	S	15				
BENOIST, MIS	1950 1955	120			7	0	0		37	S	15				
		200			18	0	0		37	S					
IRVINGTON N, WASHINGTON, 1N, 1S, 1W															
CYPRESS, MIS	1340 1953	310	14,3	1435,0	28	0	0	26	37	S	16	A	ORD	4334	
BENOIST, MIS	1470 1953	60			5	0	0		39	S	6	AL			
		250			22	0	0			S	6	AL			
IRVINGTON W, WASHINGTON, 1S, 1W															
CYPRESS, MIS	1460 1963	50	1,2	12,9	3	0	0	1	36	S	20		MIS	1909	
IUKA, MARION, 2N, 4E															
AUX VASES, MIS	2528 1947	800	31,5	1129,3	56	7	0	28	37	S	11	M	DEV	4375	
OHARA, MIS	2650	40			3	0	0			L	5	MC			
SPAR MTN, MIS	2660	600			7	0	0			L	15	MC			
MCCLOSKY, MIS	2750 1947	#			6	0	0		39	L	10	MC			
ST. LOUIS, MIS	2775 1952	230			29	1	0		37	L	5	MC			
SALEM, MIS	2999 1979	100			11	2	0			L	7				
					7	6	0								
IUKA S, MARION, 2N, 4E															
MCCLOSKY, MIS	2680 1971	230	18,9	414,0	13	1	0	10		L	5		MIS	3160	
IUKA W, MARION, 2N, 3+4E															
MCCLOSKY, MIS	2700 1955	60	0,9	67,2	5	0	0	2	37	L	5		MIS	3309	
JACKSONVILLE GAS +, MORGAN, 15N, 9W															
GAS, PEN, MIS	330 1910	90	0,0	2,0	11	0	0	1	37	L8	5	HL	ORD	1390	
MCCLOSKY, MIS	272 1972	80			9	0	0			L	29				
SALEM, MIS	294 1972	10			1	0	0			L	19				
		20			2	0	0			L					
ABD 1937, REV 1967, ABD 1969, REV 1972															
JOHNSON N, CLARK, 9+10N, 14W															
KICKAPOO, PEN	315 1907	2490	X	X	646	5	1	280		S		AM	ORD	4519	
CLAYPOOL, PEN	415	2390			34	0	0			S	X	AM			
CABEY, PEN	465	#			305	0	0			S	X	AM			
UPPER PARTLOW, PEN	535	#			202	5	0	32		S	X	AM			
MCCLOSKY, MIS	556	#			51	0	0			S	X	AM			
CARPER, MIS	1325	60			X	0	1	35		QL	6	AM			
DEVONIAN	1720 1973	290			11	0	0	37		S	X	AM			
TRENTON, ORD	2900 1977	10			1	0	0			L	45				
		180			4	0	0			L	60				
SEE CLARK COUNTY DIVISION FOR PRODUCTION															
JOHNSON S, CLARK, 9N, 14W															
CLAYPOOL, PEN	390 1907	2060	X	X	668	6	0	170		S		AM	DEV	2030	
CABEY, PEN	450	2060			39	0	0			S	X	AM			
UPPER PARTLOW, PEN	490	#			61	1	0	30		S	X	AM			
		#			435	2	0	31		S	48	AM			

(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	TO END OF	COM- PLETED	CO- MPL- ETED	AB- AND	PROD- UCING	SUL- FUR			PAY ZONE	DEP- TH		
(# SECONDARY RECOVERY SEE PART II)	NAME AND AGE	DEP- TH (FT)	DISC- OVERY	ACREB	1980	1980	1980	1980	1980	YEAR	GR, API	PERC- ENT	KIND OF ROCK	THI- CK- NESS	STR- UCT- URE	DEP- TH (FT)	
*JOHNSON S, CLARK, 9N, 14W																	
(CONTINUED FROM PREVIOUS PAGE)																	
	LOWER PARTON, PEN	600	#	#			185	3	0		29		S	X	AM		
	AUX VASES, MIS	717	1961	40			1	0	0		35		S	21	A		
	CARPER, MIS	1740	1971	20			1	0	0				S	22			
	DEVONIAN	1920	1975	20			1	0	0				L	Y			
SEE CLARK COUNTY DIVISION FOR PRODUCTION																	
*JOHNSONVILLE C, WAYNE, 1N, 1S, b-7E																	
	BETHEL, MIS	2950	1940	9330	304.6	53852.6	501	13	7		194		S	12	AL	TRN 6460	
	AUX VASES, MIS	3020		3070			171	1	3			38	0.14	S	20	AL	
	OHARA, MIS	3120	1943	8280			30	0	1			38		OL	10	AC	
	SPAR MTN, MIS	3150		#			10	1	0			38		OL	8	AC	
	MCCLOSKEY, MIS	3170	1940	#			451	7	3			38	0.17	OL	15	AC	
	ST. LOUIS, MIS	3256	1961	110			10	0	0			38		L	14	A	
	SALEM, MIS	3852	1960	190			9	3	1			39		L	14	AC	
	ULLIN, MIS	3933	1980	20			2	2	0					L	5		
JOHNSONVILLE N, WAYNE, 1N, 6E																	
	OHARA, MIS	3190	1943	180	1.7	93.5	10	2	0		2					A	MIS 3858
	SPAR MTN, MIS	3220		180			1	0	0			38	0.17	OL	3	AC	
	MCCLOSKEY, MIS	3250	1943	#			9	2	0					L	8	AC	
				#			1	0	0			38	0.17	OL	3	AC	
ABU 1966, REV 68, ABU 69, REV 80																	
*JOHNSONVILLE S, WAYNE, 1S, 6E																	
	AUX VASES, MIS	3060	1942	1170	113.2	1683.7	96	7	0		58		S	15	A	MIS 4160	
	OHARA, MIS	3160	1942	370			29	0	0			38		S	5	A	
	SPAR MTN, MIS	3160	1977	450			4	1	0					L	5		
	MCCLOSKEY, MIS	3200	1942	#			5	0	0					L	4	AC	
	ST LOUIS, MIS	3290	1977	20			20	1	0			38		L	5	AC	
	SALEM, MIS	3772	1975	690			2	0	0					L	6		
							45	7	0					L	30		
*JOHNSONVILLE W, WAYNE, 1N, 1S, 5-6E																	
	BETHEL, MIS	2925	1952	880	6.3	2314.5	71	0	2		21		S		M	MIS 3900	
	AUX VASES, MIS	2900	1943	440			1	0	0			37		S	7	ML	
	OHARA, MIS	2930		390			37	0	1			37		S	6	ML	
	SPAR MTN, MIS	3015		#			5	0	0					L	6	MC	
	MCCLOSKEY, MIS	3100	1942	#			10	0	0					L	4	MC	
	ULLIN, MIS	3823	1978	10			19	0	0			40		L	7	MC	
							1	0	1					L	19		
*JOHNSTON CITY E, WILLIAMSON, 8S, 3E																	
	CYPRESS, MIS	2290	1959	290	30.1	1139.4	20	0	0		13		S	20		MIS 2997	
	BETHEL, MIS	2500	1975	130			9	0	0			37		S	5		
	AUX VASES, MIS	2620	1962	10			1	0	0					S	5		
	OHARA, MIS	2660	1975	260			12	0	0			36		S	10		
	SPAR MTN, MIS	2660	1963	20			1	0	0					L	5		
	MCCLOSKEY, MIS	2680	1963	#			2	0	0					L	7		
				#			1	0	0			38		OL	12		
JOHNSTON CITY N E, WILLIAMSON, 6S, 3E																	
	AUX VASES, MIS	2818	1969	50	3.7	231.1	4	0	0		4		S	16		MIS 3014	
*JUNCTION, GALLATIN, 9S, 9E																	
	PENNSYLVANIAN	1150	1939	380	2.1	698.7	32	0	0		7		S		M	MIS 3600	
	WALTERSBURG, MIS	1750	1939	30			4	0	0			35		S	7	ML	
	HARDINSBURG, MIS	2120	1949	300			26	0	0			37		S	14	ML	
	CYPRESS, MIS	2275	1954	30			1	0	0			34		S	5	ML	
	MCCLOSKEY, MIS	2730	1955	20			2	0	0			37		S	12	ML	
				10			1	0	0			37		L	9	MC	
*JUNCTION E, GALLATIN, 8-9S, 9E																	
	WALTERSBURG, MIS	2000	1953	170	5.1	137.2	10	1	0		7		S		M	MIS 2970	
	TAR SPRINGS, MIS	2119	1973	140			8	0	0			37		S	14		
	OHARA, MIS	2630	1980	10			1	0	0					S	25		
				20			1	1	0					L	8		
*JUNCTION N, GALLATIN, 8-9S, 9E																	
	PENNSYLVANIAN	1565	1946	270	1.6	255.4	24	0	0		10		S		M	MIS 2983	
	WALTERSBURG, MIS	1990	1973	100			10	0	0			36		S	16	ML	
	CYPRESS, MIS	2450	1954	80			5	0	0					S	20		
	AUX VASES, MIS	2725	1946	30			3	0	0			37		S	10	ML	
				40			3	0	0			36		S	4	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	YEAR DEP- TH DISC- OF UVERY (FT)	AREA PRO- VED ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			DEEPEST TEST TH (FT)	
				1980	1980	COMP- LETED 1980	CO- MPL- 1980	AB- AND- 1980	PROD- UCING YEAR	SUL- FUR PERC- API	PAY ZONE KIND OF ROCK		STR- UCT- URE
(CONTINUED FROM PREVIOUS PAGE)													
*JUNCTION N, GALLATIN, 8-98, 9E													
SPAR MTN, MIS		2860 1955	40			3	0	0	37	L	6	MC	
JUNCTION CITY C, MARION, 2N, 1E													
DYKSTRA (CUBA), PEN		1910 510 1910	170	0.8	34.1	17	0	0	11			NL	DEV 3346
WILSON, PEN		680 1952	#			11	0	0	32	S	X	NL	
						6	0	0		S	8	NL	
KEENSBURG E, WABASH, 28, 13W													
OHARA, MIS		1939 2705 1945	40	0.0	9.0	3	0	0	0			M	MIS 2802
MCCLOSKEY, MIS		2710 1939	#			1	0	0		L	10	MC	
						2	0	0	38	0.26	L	6	MC
			ABD 1947										
*KEENSBURG S, WABASH, 2-38, 13W													
PENNSYLVANIAN		1944 1145 1944	330	19.0	1105.2	31	0	0	17			A	MIS 3475
CYPRESS, MIS		2385 1951	150			16	0	0	33	S	15	AL	
OHARA, MIS		2715 1944	130			11	0	0	36	S	9	AL	
SALEM, MIS		3200 1973	30			2	0	0	38	L	10	AC	
			20			2	0	0		L	8		
*KEENVILLE, WAYNE, 18, 9E													
AUX VASES, MIS		1945 2960 1945	1320	285.5	4341.9	109	2	U	56			A	MIS 4050
OHARA, MIS		3050 1946	360			27	0	0	37	S	20	AL	
SPAR MTN, MIS		3060 #	450			5	0	0		L	8	AC	
MCCLOSKEY, MIS		3100 #	#			2	1	U		L	10	AC	
SALEM, MIS		3620 1977	830			29	0	0	37	L	7	AC	
						49	1	0	37	L	8		
KEENVILLE E, WAYNE, 18, 5E													
SPAR MTN, MIS		1951 3075 1967	140	5.7	115.5	10	0	0	6				MIS 3982
MCCLOSKEY, MIS		3120 1951	90			1	0	0		L	4		
ST LOUIS, MIS		3190 1967	#			6	0	0	37	L	10		
SALEM, MIS		3709 1977	10			2	0	0	39	L	10		
			60			6	0	0		L	10		
KELL, JEFFERSON, 19, 3E													
MCCLOSKEY, MIS		2625 1942	50	0.0	14.0	5	0	0	0	37	0.26	L	A MIS 2921
			ARD 1944, REV 1958, ABD 1962										
KELL E, JEFFERSON, MARION, 1N-18, 3E													
ST LOUIS, MIS		1979 2841 1979	150	46.3	94.1	14	7	0	14				MIS 3511
SALEM, MIS		3072 1980	140			12	5	0		L	8		
			50			5	5	U		L	8		
KELL N, MARION, 1N, 3E													
ST LOUIS, MIS		1976 2695 1976	70	2.7	3.9	6	0	0	6				MIS 3118
SALEM, MIS		2770 1976	20			2	0	0		L	4		
			70			6	0	0		L	4		
KELL W, MARION, 1N, 2E													
MCCLOSKEY, MIS		2354 1962	10	0.0	0.8	1	0	0	0	38	OL	6	MIS 2475
			ABD 1964										
KELLERVILLE, ADAMS, BROWN, 1-28, 5W													
SILURIAN		637 1959	660	5.3	233.8	61	3	0	19	37	D	7	AC STP 1075
*KENNER, CLAY, 3N, 5-6E													
TAR SPRINGS, MIS		1942 2200 1945	1290	14.0	2496.9	109	0	1	24			A	SIL 4970
GENOIST, MIS		2690 1942	10			1	0	0	37	37	0.22	S	7 AL
RENAULT, MIS		2761 1958	710			57	0	0	37	0		10	A
AUX VASES, MIS		2835 1943	240			17	0	0	37	8		9	A
SPAR MTN, MIS		2875 1947	850			49	0	0	38	S	9	AL	
MCCLOSKEY, MIS		2930 1945	160			6	0	0		LS	5	AC	
ST, LOUIS, MIS		2978 1964	#			6	0	0	37	L	7	AC	
CARPER, MIS		4221 1959	10			1	0	0	37	L	4		
DEVONIAN		4424 1959	10			1	0	0	39	8	10	A	
			40			2	0	1	36	L	55	A	
*KENNER N, CLAY, 3N, 6E													
		1947	390	0.0	888.6	36	0	0	1			A	ORD 6032

(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	
				1960	1960	COMP- LETED TO	CO- MPL- ETED IN	AB- AND ONED 1980	PROD- UCING YEAR	SUL- FUR PERC- ENT	KIND OF ROCK	THI- CK- ESS	STR- UCT- URE	ZONE	DEP- TH (FT)	
(CONTINUED FROM PREVIOUS PAGE)																
*KENNER N, CLAY, 3N, 6E	BENOIST, MIS	2755 1947	390			31	0	0		37	S	8	A			
	MCCLOSKEY, MIS	2970 1947	80			5	0	0		37	L	6	AC			
KENNER S, CLAY, 2N, 9E																
	BENOIST, MIS	1950	40	0,0	20,6	4	0	0	0	0			A	MIS	3602	
	AUX VASES, MIS	2730 1967	20			2	0	0		37	S	5	A			
	MCCLOSKEY, MIS	2768 1971	10			1	0	0		37	S	6				
		2870 1950	30			4	0	0		37	L	10	AC			
	ABU 1952, REV 1967, ABU 1978															
*KENNER W, CLAY, 3N, 5E																
	CYPRESS, MIS	1947	410	3,7	2116,9	35	0	0	0	8			A	DEV	4800	
	BENOIST, MIS	2600 1947	350			27	0	0		37	S	26	A			
	RENAULT, MIS	2705 1947	230			16	0	0		38	S	9	A			
	AUX VASES, MIS	2802 1960	10			1	0	0		37	S	10	A			
	MCCLOSKEY, MIS	2837 1960	110			8	0	0		38	S	24	A			
		2870 1947	20			2	0	0		38	L	4	A			
KEYESPORT, CLINTON, 3N, 2W	BENOIST, MIS	1180 1949	180	0,6	178,7	20	0	0		13 35	S	8	AL	MIS	1358	
*KINGAID C, CHRISTIAN, 13-14N, 3W																
	CEDAR VALLEY, DEV	1955	2620	109,8	5499,9	148	0	0	0	200			MU	SIL	1971	
	SILURIAN	1800 1955	2620			147	0	0		38	08	19	MU			
		1874 1959	10			1	0	0		38	0	7				
*KING, JEFFERSON, 3-4S, 3E																
	RENAULT, MIS	1942	1430	7,2	3736,3	112	0	0	0	32			A	ORD	6015	
	AUX VASES, MIS	2718 1959	10			1	0	0		39	S	4	A			
	OHARA, MIS	2723 1942	1380			104	0	0		39	0,17	S	15	AL		
	SPAR MTN, MIS	2765 1942	320			11	0	0		40	0,16	L	10	AC		
	MCCLOSKEY, MIS	2815	8			7	0	0		40	0,16	LS	10	AC		
		2840 1942	8			4	0	0				L	5	AC		
KINMUNDY, MARION, 4N, 2-3E																
	BENOIST, MIS	1950	80	1,3	94,4	7	0	0	0	3			A	DEV	3650	
	SALEM, MIS	1915 1950	20			2	0	0		34	S	3	A			
	CARPER, MIS	2430	10			1	0	0		36	L	7	A			
		3384 1962	50			4	0	0		37	S	17				
	ABU 1960, REV 1962															
KINMUNDY N, MARION, 4N, 3E	BENOIST, MIS	2050 1953	10	0,0	2,9	2	0	0	0	0 34	S	6		MIS	2301	
	ABU 1954, REV 1951, ABU 1974															
LACLEDE, FAYETTE, 5N, 4E	BENOIST, MIS	2335 1943	50	0,6	34,0	6	0	0		1 36	0,18	S	15	A	MIS	2608
LAKENOOD, SHELBY, 10N, 2-3E																
	BENOIST, MIS	1941	120	2,1	279,9	12	0	0	0	5			A	SIL	3127	
	AUX VASES, MIS	1690	70			7	0	0		30	S	7	AL			
		1720 1941	50			5	0	0		32	0,23	S	8	AL		
*LANCASTER, WABASH, LAWRENCE, 1-2N, 13W																
	TAR SPRINGS, MIS	1940	1970	31,9	5305,1	148	0	0	0	54			A	DEV	4595	
	BETHEL, MIS	2050 1959	10			0	0	0		31	S	3	A			
	OHARA, MIS	2540	980			0	0	0		36	S	14	AL			
	SPAR MTN, MIS	2670 1944	1000			0	0	0			L	10	AC			
	MCCLOSKEY, MIS	2649 1964	8			9	0	0		40	0,28	L	6			
		2690 1940	8			51	0	0				L	7	AC		
LANCASTER GEN, WABASH, 1N, 13W																
	OHARA, MIS	1946	230	2,3	379,1	17	1	0	0	1			M	MIS	3607	
	SPAR MTN, MIS	2750 1947	240			5	0	0			L	7	MC			
	MCCLOSKEY, MIS	2810 1946	8			10	0	0		37	L	7	MC			
	ST LOUIS, MIS	2815 1947	8			3	0	0			L	8	MC			
		3010 1980	10			1	1	0			L	6				
	ABU 1961, REV 72, ABU 76, REV 80															
LANCASTER E, WABASH, 2N, 13W																
		1944	70	0,0	76,3	6	0	0	0	1			M	MIS	2750	

(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- (PT) OVERY	AREA PRO- VED ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE	DEEPEST TEST ZONE TH (FT)				
				1980	TO END OF 1980	COM- PLET- ED TO END OF 1980	CO- AB- AND PROD- UCING	GR.	SUL- FUR PERC- ENT	KIND OF ROCK			THI- STR- UCT- URE			
(CONTINUED FROM PREVIOUS PAGE)																
LANCASTER E, WABASH, 2N, 13W																
BRIDGEPORT, PEN		1310 1976	60			1	0	0			S	13				
BUCHANAN, PEN		1410 1976	#			1	0	0			S	5				
BIHEL, PEN		1745 1944	#			4	0	0			S	10 ML				
SPAR MTN, MIS		2660 1947	10			1	0	0			L	6 MC				
				ABU 1975, REV 1976												
LANCASTER S, WABASH, 1N, 13W																
BETHEL, MIS		1946	330	12.0	500.5	24	2	0		18		M	MIS	3489		
OHARA, MIS		2520 1949	280			19	1	0		36		L	6 ML			
MCCLOSKEY, MIS		2670	80			4	1	0				L	6 MC			
		2720 1946	#			1	0	0		39		L	12 MC			
LANGENSCHWAEGER, MARION, 1N, 1E																
UNNAMED, PEN		1910	120	1.5	39.4	16	0	0		1		S	X	N	DEV	3509
CYPRESS, MIS		795 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																
1906																
TRIVOLI, PEN		290	36270	X	X	7030	19	23		2666		S	X	A	CAM	9261
CUBA, PEN		450	11010			19	0	0		26		S	X	A		
BRIDGEPORT, PEN		800	#			5	0	0				S	X	A		
PENNSYLVANIAN		950	#			1371	1	3		36		S	40	A		
BUCHANAN, PEN		1250	#			23	0	0				S	15	A		
RIDGLEY		1300	#			579	0	5		33		S	15	A		
TAR SPRINGS, MIS		1410	70			X	0	0				S	X			
HARDINSBURG, MIS		1570	110			8	0	0		34		S	10	A		
JACKSON, MIS		1370	1510			12	0	0		33		S	10	A		
CYP (KIRKWOOD), M		1400	22270			325	0	2		33		S	15	A		
SAMPLE, MIS		1600	9650			4530	7	5		40		S	30	A		
BETH (TRACEY), MIS		1650	#			180	0	2		35		S	8	A		
BENOIST, MIS		1695	#			1015	1	1		38		S	20	A		
AUX VASES, MIS		1775	770			99	0	1		37		S	7	A		
OHARA, MIS		1750	12560			58	1	0		38		S	8	A		
SPAR MTN, MIS		1860	#			15	0	0				L	8	A		
MCCLOSKEY, MIS		1860	#			81	5	0		33		L	8	A		
ST. LOUIS, MIS		1660	310			1158	5	5		40		L	10	A		
SALEM, MIS		1955	150			14	0	0		35		L	10	A		
DEVONIAN		2934 1975	60			9	2	1		36		L	2	A		
TRENTON, ORD		4492 1978	80			14	0	2		39		L	12	A		
			80			1	0	0				L	40			
SEE LAWRENCE COUNTY DIVISION FOR PRODUCTION																
LAWRENCE COUNTY DIVISION, LAWRENCE, CRAWFORD																
1900																
			37220	1937.4	383285.5	7119	19	23		2698					CAM	9261
TOTALS FOR LAWRENCE AND ST. FRANCISVILLE POOLS																
LAWRENCE W, LAWRENCE, 3N, 13W																
1952																
PAINT CREEK, MIS		1978 1962	960	12.4	536.9	79	0	1		42		S	13		MIS	3059
BETHEL, MIS		2050 1952	700			9	0	1		35		S	13			
AUX VASES, MIS		2110 1953	70			42	0	0		33		S	15			
OHARA, MIS		2214 1968	260			7	0	0		36		S	8			
SPAR MTN, MIS		2193 1963	#			1	0	0				L	16			
MCCLOSKEY, MIS		2225 1953	#			6	0	0				L	2			
						16	0	0		40		L	11			
LEXINGTON, WABASH, 18, 14W																
1947																
CYPRESS, MIS		2585 1933	160	0.0	477.9	15	0	0		3		S	10	A	DEV	5020
BENOIST, MIS		2733 1972	10			1	0	0		32		S	4	AL		
OHARA, MIS		2912 1968	20			2	0	0				S	4			
MCCLOSKEY, MIS		2970 1947	130			1	0	0				L	3			
			#			12	0	0		38		L	8	AC		
LEXINGTON N, WABASH, 13, 14W																
1951																
STE. GEN, MIS		2915 1951	20	0.0	6.4	2	0	0		0		L	4	MC	MIS	3045
				ABU 1958												
LILLYVILLE, CUMBERLAND, EFFINGHAM, 8-9N, 6-7E																
1946																
SPAR MTN, MIS		2433 1968	190	9.7	645.7	15	0	0		9		S	6		DEV	4000
MCCLOSKEY, MIS		2425 1946	200			1	0	0				L	10	A		
			#			13	0	0		36		L	10	A		
LILLYVILLE N, CUMBERLAND, 9N, 7E																
1974																
SPAR MTN, MIS		2405 1974	80	27.6	503.9	5	0	0		5		S	7		ORD	6500
MCCLOSKEY, MIS		2440 1974	80			3	0	0				S	7			
SALEM, MIS		2840 1974	#			5	0	0				L	20			
			60			4	0	0				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 DEP OF TH DISC- OVERY	AREA PRO- VED IN ING ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST	
				1980	TO 1980	COMP- LETED TO 1980	CO- MPL- ETED AND 1980	AB- PROD- UCING END OF YEAR	PERC- FUN API	GR. ENT	PERC- OF ROCK			THI- STR- UCT- URE
(CONTINUED FROM PREVIOUS PAGE)														
LILLYVILLE N, CUMBERLAND, 9N, 7E ----- GENEVA, DEV		3825 1974	30			3	0	0				D	10	
LIS, JASPER, 7N, 9E ----- SPAR MTN, MIS		3022 1964	10 ABD 1967	0,0	0,5	1	0	0	0	37	S	S	MIS	3050
LITCHFIELD, MONTGOMERY, 8-9N, 5W ----- UNNAMED, PEN		660 1886	150 ABU 1904, REV 1962, ABU	0,0	24,0	18	0	0	0	23	0,24	S	U	STP 3000
LITCHFIELD S, MONTGOMERY, 8N, 5W ----- PENNSYLVANIAN		610 1967	80	0,0	0,0	7	0	0	5	23	S	3	DEV	1920
*LIVINGSTON, MADISON, 6N, 6W ----- PENNSYLVANIAN		535 1948	490	8,7	732,6	66	0	1	24	35	S	15	ML	OND 2378
*LIVINGSTON S +, MADISON, 5-6N, 6W ----- PENNSYLVANIAN		530 1950	660	17,9	597,6	80	2	0	57	35	S	7	ML	SIL 1735
*LOCUST GROVE, WAYNE, 1N, 9E ----- AUX VASES, MIS OHARA, MIS MCCLOSKEY, MIS		1951 3215 1951 3240 1951 3280 1951	160 110 50 #	0,2	252,5	14 8 5 1	1 0 0 0	0 0 0 0	2 36 37		S L L	10 4 6		MIS 4190
LOCUST GROVE S, WAYNE, 1S, 9E ----- OHARA, MIS SPAR MTN, MIS MCCLOSKEY, MIS		1953 3248 1958 3300 1953 3286 1958	180 180 # #	0,0	114,9	11 2 6 4	0 0 0 0	0 0 0 0	0 39 37 39		L L L	6 10 4		MIS 3413
ABU 1971, REV 72, ABU 74, REV 78, ABU 79														
LOGAN, FRANKLIN, 7S, 3E ----- AUX VASES, MIS SPAR MTN, MIS MCCLOSKEY, MIS		1966 2920 1968 3028 1966 3082 1966	30 10 20 #	0,4	85,9	3 1 1 1	0 0 0 0	0 0 0 0	2 34		S L L	8 4 8		MIS 3176
LONG BRANCH, SALINE, HAMILTON, 7S, 6E ----- PALESTINE, MIS CYPRESS, MIS AUX VASES, MIS MCCLOSKEY, MIS		1950 2070 1950 2745 1951 3095 3220 1950	70 20 20 40 20	0,5	333,5	12 2 3 6 2	0 0 0 0 0	0 0 0 0 0	3 37 37 37		S S S L	8 13 9 5	A AL AL AC	MIS 4373
LONG BRANCH S, SALINE, 8S, 6E ----- CYPRESS, MIS		2660 1955	10	0,0	8,9	1	0	0	0		S	8		MIS 3210
ABU 1971														
*LOUDEN +, FAYETTE, EFFINGHAM, 6-9N, 2-4E ----- CYPRESS, MIS BETHEL, MIS BENOIST, MIS AUX VASES, MIS MCCLOSKEY, MIS CARPER, MIS GENEVA, DEV TRENTON, ORD		1957 1500 1540 1550 1937 1600 1785 1955 2830 1952 3000 1937 3905 1955	25690 21660 9200 7120 610 30 30 3550 20	1601,6	370621,8	2468 1620 389 737 16 2 4 151 2	24 17 4 1 3 0 0 6 0	18 14 4 0 0 0 0 1 0	1277 36 36 38 37 37 36 28	0,25 0,24 0,20 0,17 0,17 0,48	S S S S L S S L	30 15 10 6 4 9 15 12	A A A A AL AL A A	PC 8616
LOUISVILLE, CLAY, 4N, 6E ----- AUX VASES, MIS RENAULT, MIS SPAR MTN, MIS MCCLOSKEY, MIS SALEM, MIS ULLIN, MIS		1974 2800 1974 2735 1978 2860 1974 2872 1974 3386 1974 3930 1974	520 40 10 520 # 20 10	50,9	237,6	41 4 1 9 29 2 1	5 0 0 1 4 0 0	3 0 0 0 3 0 0	25		S S S OL L L	6 6 10 6 6 4		DEV 4665

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH OF UI8C- OVERY (FT)	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE		DEEPEST TEST		
				1980	1980	COMP- LETED 1980	CU- MPL- 1980	AB- AND- 1980	PROD- UCING YEAR	SUL- FUR- PERC- ENT	KIND OF ROCK	THI- CKN- ESS	STR- UCT- UNE	ZONE	DEP- TH (FT)	
*LOUISVILLE N, CLAY, 4N, 6E																
	AUX VASES, MIS	1953	110	0,0	56,3	8	0	0	1				M	SIL	4650	
	SPAR MTN, MIS	2755 1953	40			2	0	0	37			S	10	ML		
		2812 1961	70			6	0	0	37			L	9	ML		
			ABD 1956, REV 1962, ABD 1973, REV 1974													
LOUISVILLE S, CLAY, 3N, 6E																
	AUX VASES, MIS	1960	20	0,0	1,5	2	0	0	0					DEV	4740	
	OHARA, MIS	2823 1960	10			1	0	0	38			S	6			
		2893 1960	10			1	0	0	36			L	2			
			ABD 1967, REV 1976, ABD 1979													
LYNCHBURG, JEFFERSON, 3S, 4E																
	MCCLOSKEY, MIS	3045 1951	60	1,1	327,2	3	0	0	1	38		L	8	AC	MIS	3579
*MCKINLEY, WASHINGTON, 3S, 4W																
	BENOIST, MIS	1940	250	0,0	767,2	30	0	0	5					ORD	3983	
	SILURIAN	1050 1940	180			17	0	0	41	0,18		S	5	D		
		2240	190			12	0	0	40			L	40	R		
MACEDONIA, FRANKLIN, 5S, 4E																
	SALEM, MIS	1961	30	0,7	8,5	2	0	0	1					DEV	5249	
	ULLIN, MIS	4124 1978	20			1	0	0				L	10			
		4097 1961	10			1	0	0	37			L	12			
			ABD 1965, REV 1978													
*MAIN C +, CHANFORD, LAWRENCE, JASPER, 5-8N, 10-14W																
	CUBA, PEN	1906	62830	1405,3	232385,0	12097	202	46	3489					STP	5317	
	UNNAMED, PEN	510	60820			75	0	0				S	X	ML		
	ROBINSON, PEN	750	#			4	0	0				S	5	ML		
	PENNSYLVANIAN	950	#			10497	177	44	35			S	25	ML		
	BARLOW, MIS	1250	#			51	5	0				S	X	ML		
	CYPRESS, MIS	1201 1968	10			1	0	0				OL	10			
	PAINT CREEK, MIS	1480 1954	660			43	0	1	34			S	15	ML		
	BETHEL, MIS	1280	5110			X	0	0	36			S	30	ML		
	RENAULT, MIS	1400	#			181	4	0	36			S	18	ML		
	AUX VASES, MIS	1564 1979	20			2	1	1				S	10			
	SPAR MTN, MIS	1430	3480			173	22	1	35			S	15	ML		
	MCCLO(OBLONG), MIS	1515	710			2	0	0				S	6	MC		
	SALEM, MIS	1400	#			152	2	0	35			L	X	MC		
	DEVONIAN	1815 1947	290			14	0	0	37			L	5	MC		
	TRENTON, ORD	2795 1941	510			17	1	1	40			L	11	MC		
		3900 1976	430			25	0	1				L	75	MC		
*MAPLE GROVE C, EDWARDS, WAYNE, 1-2N, 9-10E																
	AUX VASES, MIS	1943	2680	209,8	4857,9	164	22	1	67					DEV	5220	
	OHARA, MIS	3145 1943	860			60	11	1	38			S	15	A		
	SPAR MTN, MIS	3230 1945	1930			10	4	0	27			L	3	AC		
	MCCLOSKEY, MIS	3250	#			8	2	0				L	1	AC		
	ST LOUIS, MIS	3260 1943	#			93	4	0	41			L	6	A		
	SALEM, MIS	3500 1977	10			1	0	0				L	6			
	ULLIN, MIS	3660 1967	110			8	1	0	39			L	4			
		4057 1976	30			3	1	0				L	7			
MAPLE GROVE S C, EDWARDS, IN, 10E																
	OHARA, MIS	1945	240	30,5	274,5	19	2	0	11					MIS	4200	
	SPAR MTN, MIS	3260 1951	190			4	1	0	40			L	6			
	MCCLOSKEY, MIS	3275	#			2	0	0				L	6			
	SALEM, MIS	3275	#			10	1	0	38			L	6			
	ULLIN, MIS	3650 1976	40			3	0	0				L	85			
		4170 1977	10			1	0	0				L	28			
MARCUE, JEFFERSON, 3S, 2E																
	SPAR MTN, MIS	1938	20	2,3	18,6	2	0	0	2					MIS	3520	
	MCCLOSKEY, MIS	2700 1976	10			1	0	0				S	18			
		2745 1938	20			2	0	0	25	0,54		L	15	MC		
*MARINE, MADISON, 4N, 6W																
	DEV-SIL	1700 1943	2470	55,3	12074,2	148	0	1	113	35	0,28	L	20	K	ORD	2619
MARINE W, MADISON, 5N, 7W																
	DEVONIAN	1653 1965	100	0,0	25,2	6	0	0	0	35		L	3	ORD	2355	
			ABD 1978													

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 DEPTH (FT)	
				PRO- VED IN ACRES	DUR- ING 1980	TO END OF 1980	COM- PLETED TO END OF 1980	CO- MPL- ETED IN 1980	AR- AND- ONED 1980	PROD- UCING YEAR	SUL- FUR- GR. API	PERC- ENT	KIND OF ROCK	THI- CK- NESS		STR- UCT- URE
MARION, WILLIAMSON, 98, 3E																
AUX VASES, MIS		1950	20	0.2	0.6	2	0	0	1	40	S	5	MIS	2560		
OHARA, MIS		2385 1990	10			1	0	0			S	5				
		2470 1975	10			1	0	0			L	8				
ABO 1951, REV 1975																
MARION E, WILLIAMSON, 98, 3E																
BETHEL, MIS		2295 1959	10	0.0	1.1	2	0	0	0	37	S	8	MIS	2642		
ABO 1963																
MARISSA W +, ST. CLAIR, RANDOLPH, 3-46, 7W																
CYPRESS, MIS		215 1960	70	0.0	0.0	3	0	0	0	25	S	3	OND	2413		
ABO 1966																
*MARKHAM CITY, JEFFERSON, 2-38, 4E																
STE, GEN, MIS		3070 1942	340	3.0	1611.5	19	0	0	4	38	0.08	L	10	A	MIS	4050
*MARKHAM CITY N, JEFFERSON, WAYNE, 28, 4-5E																
AUX VASES, MIS		1943	310	6.4	1464.3	23	0	0	8				A	MIS	3950	
MCCLOSKEY, MIS		2950 1944	120			9	0	0	38			6	AL			
		3075 1943	310			16	0	0	37	0.24	L	8	AC			
*MARKHAM CITY W, JEFFERSON, 2-38, 4E																
AUX VASES, MIS		1945	500	0.7	2387.8	40	0	0	2				A	MIS	3906	
MCCLOSKEY, MIS		2905 1945	310			19	0	0	39			15	AL			
SALEM, MIS		3035 1946	310			23	0	0	37			7	AC			
		3774 1969	10			1	0	0				4				
*MARTINSVILLE, CLARK, 9-10N, 13-14W																
SMALLOW, PEN		255	2600	X	X	392	4	0	164				U	STP	3411	
CASEY, PEN		500	2290			10	0	0				S	X	U		
MARTINSVILLE, MIS		480	#			99	0	0				S	X	U		
CARPER, MIS		1340	530			29	1	0				L	X	U		
DEVONIAN		1550	1040			86	2	0	37			S	40	U		
TRENTON, OND		2700	700			45	0	0	38			L	X	U		
			520			36	1	0	40			L	X	U		
SEE CLARK COUNTY DIVISION FOR PRODUCTION																
*MASON N, EFFINGHAM, 6N, 5E																
BENOIST, MIS		1951	240	3.2	415.3	16	0	0	9				A	MIS	2553	
AUX VASES, MIS		2290 1951	180			11	0	0	38			S	13	AL		
SPAR MTN, MIS		2390 1951	90			4	0	0	36			S	5	AL		
MCCLOSKEY, MIS		2475	#			3	0	0	37			L	18	AC		
												L	5	AC		
MASSILON, WAYNE, EDWARDS, 18, 9-10E																
OHARA, MIS		3255 1946	70	0.0	91.2	3	0	0	0	37		L	6	MC	MIS	3472
ABO 1953																
MASSILON S, EDWARDS, 18, 10E																
OHARA, MIS		3315 1947	10	0.0	0.3	1	0	0	0	37		L	9	MC	MIS	3441
ABO 1947																
*MATTOON, COLES, 11-12N, 7-8E																
CYPRESS, MIS		1939	6250	110.3	20433.0	577	9	7	233				A	STP	4915	
AUX VASES, MIS		1750 1939	3400			264	3	3	39	0.16	S	13	A			
SPAR MTN, MIS		1900	980			29	0	0	32			S	15	AL		
MCCLOSKEY, MIS		1950 1944	4870			396	2	2	38	0.21	S	12	A			
SALEM, MIS		2010	#			9	1	1	37			L	5	AC		
CARPER, MIS		2236 1977	60			4	0	0				L	6			
DEVONIAN		2950 1955	480			27	3	1	39			S	10	A		
		3162 1970	30			4	0	2	34			L	9			
*MATTOON N, COLES, 13N, 7E																
SPAR MTN, MIS		1902 1960	160	1.5	370.5	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
ABO 1966																
MAUNIE E, WHITE, 68, 11E																
TAR SPRINGS, MIS		1951	60	0.3	64.9	6	0	0	1	35		S	8	AF	MIS	3088
		2280 1962	10			1	0	0								

(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 (FT)	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE	DEEPEST TEST	
				1980	END OF 1980	LETED TO END OF 1980	AB- ETED 1980	PROD- UCING END OF YEAR	SUL- FUR PERC- API	BUL- KIND OF ROCK			THI- STR- URE
(CONTINUED FROM PREVIOUS PAGE)													
MAUNIE E, WHITE, 6S, 11E	AUX VASES, MIS	2670 1951	70			5	0	0	35	S	20	AF	
*MAUNIE N C, WHITE, 5-6S, 10-11E, 14W													
		1941	2130	14.9	5038.0	178	1	0	46		A	DEV 6119	
	PENNSYLVANIAN	1320	10			1	0	0	34	S	20	AL	
	WALTERSBURG, MIS	2305 1952	130			10	0	0	37	S	12	AL	
	TAR SPRINGS, MIS	2350	160			10	0	0	35	S	10	AL	
	HARDINSBURG, MIS	2565	10			1	0	0	36	S	10	A	
	SAMPLE, MIS	2630	480			2	0	0	35	S	13	AL	
	BETHEL, MIS	2620 1941	#			30	0	0	35	S	13	AL	
	RENAULT, MIS	2935	10			1	0	0	36	L	2	AC	
	AUX VASES, MIS	2930 1943	870			93	0	0	35	S	13	AL	
	OHARA, MIS	2995 1944	890			8	0	0	37	L	4	AC	
	SPAR MTN, MIS	3025 1947	#			24	0	0	36	L	6	AC	
	MCCLOSKEY, MIS	3035 1945	#			24	0	0	33	L	10	AC	
	SALEM, MIS	3674 1980	40			1	1	0		L			
	ULLIN, MIS	3950 1980	40			1	1	0		L			
*MAUNIE SOUTH C, WHITE, 6S, 10-11E													
		1941	1750	33.9	7452.6	175	0	0	54		A	DEV 4908	
	BRIDGEPORT, PEN	1400	180			11	0	0	24	S	7	AL	
	BIEHL, PEN	1649 1959	#			3	0	0	31	S	A	AL	
	DEGDONIA, MIS	1900 1942	120			13	0	0	35	S	10	AL	
	PALESTINE, MIS	2010 1941	640			54	0	0	35	S	17	AL	
	WALTERSBURG, MIS	2210	20			2	0	0	37	S	19	AL	
	TAR SPRINGS, MIS	2270 1942	830			53	0	0	35	S	16	AF	
	CYPRESS, MIS	2590	390			30	0	0	36	S	10	AL	
	BETHEL, MIS	2735	10			1	0	0	37	S	X	AL	
	AUX VASES, MIS	2645 1941	180			14	0	0	37	S	12	AL	
	SPAR MTN, MIS	2900	40			1	0	0		L	8	AC	
	MCCLOSKEY, MIS	2920	#			4	0	0	35	L	6	AC	
	ST LOUIS, MIS	3293 1975	10			1	0	0		L	9		
	SALEM, MIS	3674 1973	10			1	0	0		L			
	ULLIN, MIS	3964 1975	10			1	0	0		L	6		
MAYBERRY, WAYNE, 2-3S, 6E													
		1941	280	27.6	483.2	23	4	1	16		A	DEV 5377	
	MCCLOSKEY, MIS	3350 1941	210			15	3	1	39	0.16	L	8	AC
	SALEM, MIS	3840 1977	50			3	1	0		L	8		
	ULLIN, MIS	4300 1977	70			7	0	0		L	25		
MAYBERRY N, WAYNE, 2S, 6E													
	MCCLOSKEY, MIS	3330 1948	10	0.0	1.4	1	0	0	0	39	L	2	MIS 3463
MECHANICSBURG, SANGAMON, 16N, 3W													
	SILURIAN	1734 1972	150	14.8	206.8	11	0	0	9		L	16	SIL 1600
*MELROSE, CLARK, 9N, 13W													
	ISABEL, PEN	840 1953	180	3.8	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
*MILETUS, MARION, 4N, 4E													
		1947	220	1.6	370.3	16	0	0	4		A	DEV 3950	
	BENOIST, MIS	2140 1947	130			8	0	0	35	S	7	A	
	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	
MILLERSBURG, BOND, 4N, 4W													
	DEVONIAN	2130 1967	20	0.0	10.3	2	0	0	0	38	S	2	DEV 2160
*MILL SHOALS, WHITE, HAMILTON, WAYNE, 2-4S, 7-8E													
		1939	3340	232.3	12158.5	274	22	1	94		A	DEV 5500	
	AUX VASES, MIS	3245	2750			204	4	0	36	0.14	S	11	A
	OHARA, MIS	3320	1100			9	0	0		OL	11	AC	
	SPAR MTN, MIS	3345	#			15	1	0		LS	8	AC	
	MCCLOSKEY, MIS	3375 1939	#			42	2	0	36	OL	5	AC	
	ST. LOUIS, MIS	3546 1960	10			1	0	0	39	L	10	AC	
	SALEM, MIS	3970 1961	310			20	17	1	38	L	4	A	
	ULLIN, MIS	4110 1959	30			3	2	0	38	L	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- OF TH DISC- (FT) QVERY	AREA PRU- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF DIL			PAY ZONE			DEEPEST TEST DEP- TH (FT)
				1980	TO END OF 1980	COMPL- ETED TO 1980	CD- MPL- AND- 1980	AB- 1980	PRD- UCING END OF YEAR	GR, API	PERC- ENT	KIND OF RUCKA	THI- CKN- ESS	STR- UCT- UNE		
															1980	
(CONTINUED FROM PREVIOUS PAGE)																
MILL SHOALS, WHITE, HAMILTON, WAYNE, 2-48, 7-8E	DUTCH CREEK, DEV	9360 1980	20			2	2	0				8	25			
MILLS PRAIRIE, EDWARDS, 1N, 14W	OHARA, MIS	2925 1948	10 ABD 1952	0.0	1.9	1	0	0	0	37	L	5	MC	MIS	3010	
MILLS PRAIRIE N, EDWARDS, 1N, 14W	OHARA, MIS	2925 1953	30 ABD 1956	0.0	4.9	2	0	0	0	37	L	5	MC	MIS	3003	
MITCHELLSVILLE, SALINE, 10S, 6E	UEGONIA, MIS	1330 1955	30	0.3	25.7	3	0	0	1	35	S	6		MIS	2452	
	WALTERSBURG, MIS	1505 1955	10			1	0	0		38	S	9				
	CYPRESS, MIS	2107 1973	10			1	0	0			S	20				
MUDE, SHELBY, 10N, 4E	BETHEL, MIS	1682 1961	360	9.1	347.3	19	0	0	14	35	S	12		DEV	3265	
	BENOIST, MIS	1742 1961	140			9	0	0		34	S	8				
	AUX VASES, MIS	1772 1961	360			13	0	0		37	S	8				
MONTROSE, EFFINGHAM, 8N, 7E	MCCLOSKEY, MIS	2523 1968	80	2.6	135.7	6	0	0	3		L	7		MIS	3005	
MONTROSE N, CUMBERLAND, 9N, 7E	MCCLOSKEY, MIS	2500 1969	20	0.1	20.1	2	0	0	2		OL	10		DEV	3980	
MT, AUBURN C, CHRISTIAN, 15N, 1-2W	SILURIAN	1920 1943	7300	49.4	6760.5	437	4	0	121	37	0.28	L	15	MU	THN	2577
MT, CARMEL ++, WABASH, 1N, 1S, 12W	BRIDGEPORT, PEN	1370 1939	4760	167.7	18808.4	556	9	12	184	34	S	20	A	DEV	4237	
	BIEML, PEN	1470	1190			70	0	0		36	0.28	S	20	AL		
	JORDAN, PEN	1520	#			6	0	0			S	15	AL			
	PALESTINE, MIS	1580	60			5	0	1		35	S	10	AL			
	WALTERSBURG, MIS	1690	30			3	0	0		36	S	10	AL			
	TAR SPRINGS, MIS	1790 1939	430			35	0	1		36	S	13	AL			
	JACKSON, MIS	2020 1945	10			1	0	1			S	25	AL			
	CYPRESS, MIS	2025 1940	3720			342	6	10		38	0.17	S	15	AL		
	SAMPLE, MIS	2095	180			4	0	0		37	S	7	AL			
	BETHEL, MIS	2110	#			13	0	0		35	S	16	AL			
	OHARA, MIS	2320	1360			23	0	1		35	OL	5	AC			
	SPAR MTN, MIS	2350	#			14	0	0		39	0.28	S	5	AL		
	MCCLOSKEY, MIS	2360	#			67	1	0		37	0.42	OL	6	AC		
	SALEM, MIS	2696 1966	90			6	0	0			L	14				
	ULLIN, MIS	3097 1978	10			1	0	0			L	10				
	FT PAYNE, MIS	3561 1979	10			1	0	0			L	61				
MT, ERIE N, WAYNE, 1N, 9E	AUX VASES, MIS	3110 1944	210	0.0	390.7	15	1	0	2	40	S	8	M	MIS	4100	
	OHARA, MIS	3170 1949	120			6	1	0			L	6	MC			
	MCCLOSKEY, MIS	3240 1944	130			2	0	0		37	L	5	MC			
	ABD 1966, REV 1967															
MT, OLIVE +, MONTGOMERY, 8N, 5W	POTTSVILLE, PEN	609 1942	80	0.5	X	7	0	0	5	33	0.16	S	6	A	SIL	1878
MT, VERNON, JEFFERSON, 3S, 3E	AUX VASES, MIS	2665 1943	250	5.2	398.4	18	0	1	6	36	S	8	A	MIS	3262	
	OHARA, MIS	2750 1943	70			5	0	0			L	6	AC			
	MCCLOSKEY, MIS	2800 1943	180			2	0	0			L	6	AC			
			#			13	0	1		39	0.18	L	7	AC		
MT, VERNON N, JEFFERSON, 2S, 3E	MCCLOSKEY, MIS	2675 1956	20	0.0	65.6	2	0	0	2	38	L	6		MIS	2751	

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 ZONE TH (FT)
				1980	TO END OF 1980	COM- PLET- ED TO 1980	CO- MPL- ETED AND 1980	AB- AND 1980	PROD- UCING END OF YEAR	GR, API	SUL- FUR PERC- ENT	KIND OF ROCK	THI- CK- NESS		
MURDOCK, DOUGLAS, 16N, 10E															
PENNSYLVANIAN		370 1955	10	0,0	0,0	3	0	0	0	36	S	16	PEN	424	
ABD 1957, REV 1961, ABD 1968															
NASHVILLE, WASHINGTON, 2S, 3W															
DEVONIAN		1973 490	74,0	950,0	36	0	0	28					ORD	3776	
SILURIAN		2625 1973 40			4	0	0				D	20			
		2650 1973 480			34	0	0			41	L	40 R			
NASHVILLE N, WASHINGTON, 1-28, 3W															
DEVONIAN		2750 1979	60	88,5	99,6	4	4	0	4		L	X	DEV	2776	
NASON, JEFFERSON, 3-48, 2E															
OHARA, MIS		1943 30	0,9	54,8	3	0	0	1					ML	MIS	
SPAR MTN, MIS		2758 1962 30			1	0	0	37			L	4			
		2790 1943 8			2	0	0	37			S	12 ML			
NEW BADEN E, CLINTON, 1N, 5W															
SILURIAN		1935 1958	290	7,3	274,4	23	0	0	12	39	L	15 H	SIL	2200	
NEW BELLAIR, CHAMFORD, 8N, 13W															
ISABEL, PEN		1942 140	0,0	10,1	10	0	0	2					H	DEV	
CYPRESS		650 1952 20			2	0	0	32			S	3	ML		
AUX VASES, MIS		1165 1942 70			5	0	0	29	0,30		S	10 ML			
		1280 1956 80			3	0	0				S	20 H			
ABD 1948, REV 1952, ABD 1954, REV 1956															
NEW CITY, SANGAMON, 14N, 4W															
SILURIAN		1730 1954	440	3,3	223,6	39	0	0	8	39	L	11 MU	SIL	1855	
NEW CITY S, CHRISTIAN, 14N, 4W															
SILURIAN		2008 1963	20	0,0	63,4	2	0	0	0	39	L	17	SIL	1918	
ABD 1974															
NEW DOUGLAS S, BOND, 6N, 5W															
PENNSYLVANIAN		640 1957	20	0,0	3,4	2	0	0	0	32	S	7	PEN	705	
ABD 1960															
*NEW HARMONY C **, WHITE, WABASH, EDWARDS, 1N, 1-58, 13-14W															
JAMESTOWN, PEN		1939 26370	1281,6	163180,2	2740	35	8	1063					A	SHK	
BRIDGEPORT, PEN		720 1910			4	0	0	32			S	13	AL	7682	
HANSFIELD, PEN		1340 #			11	2	2				S	7	AL		
BIEHL, PEN		X #			0	0	0				S	X	AL		
JORDAN, PEN		1850 #			135	2	2	33			S	20	AL		
DEGONIA, MIS		1760 #			0	0	0				S	X	AL		
CLORE, MIS		1925 140			11	0	0	34			S	10	AL		
PALESTINE, MIS		1980 100			11	0	0	36			S	10	AL		
WALTERSBURG, MIS		2000 270			23	0	0	25			S	10	AL		
TAR SPRINGS, MIS		2155 1360			134	1	0	36	0,40		S	20	AL		
HARDINSBURG, MIS		2215 2590			221	2	2	35	0,19		S	26	ALF		
CYPRESS, MIS		2290 1958 20			1	0	0	35			L	10	ALF		
SAMPLE, MIS		2570 11120			1085	3	1	35			S	20	ALF		
BETHEL, MIS		2660 11260			61	1	1	36			S	20	ALF		
RENAULT, MIS		2700 #			898	7	3	37	0,24		S	27	ALF		
AUX VASES, MIS		2761 10			1	0	0	34				8			
OHARA, MIS		2800 8440			628	0	0	37	0,19		S	15	ALF		
SPAR MTN, MIS		2900 5430			60	4	0	39			OL	6	AC		
MCCLUSKY, MIS		2910 #			50	0	0	38			L6	10	AC		
ST. LOUIS, MIS		2925 #			296	4	1	37	0,33		OL	8	AC		
SALEM, MIS		3153 1953 680			45	8	1	36			L	X			
ULLIN, MIS		3364 1959 430			30	5	0	37			L	16	AC		
FORT PAYNE, MIS		3753 180			14	4	0	36			L	6	AC		
		4500 1978 710			28	1	0				L				
NEW HARMONY S (ILL), WHITE, 58, 14W															
WALTERSBURG, MIS		1941 90	0,0	113,3	8	0	0	1			S	18	AF	MIS	
TAR SPRINGS, MIS		2250 1941 30			3	0	0	35			S	16	AF	3207	
CYPRESS, MIS		2350 10			1	0	0	36			S	8	AF		
BETHEL, MIS		2670 1951 10			1	0	0	35			S	8	AF		
AUX VASES, MIS		2813 20			2	0	0	36			S	10	AF		
MCCLUSKY, MIS		3005 1949 10			1	0	0	37			S	7	AF		
		3010 20			1	0	0	37			L	5	AF		

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (+ SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- OF TH OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL			PAY ZONE	DEEPEST TEST ZONE TH (FT)		
				1960	TO 1980	COMP- LETD TO	CO- MPL- ETED	AB- AND 1980	PROD- UCING YEAR	SUL- PERC- ENT	FUN- KIND OF	THI- STR- UCT- URE				
*NEW HARMONY S (IND) ++, WHITE, 58, 14W																
		1946	50	0,0	446,4	6	0	0		1					MIS	3068
	UEGONIA, MIS	1850	20			2	0	0		35		8	8	TF		
	PALESTINE, MIS	1955	50			1	0	0		24		8	10	TF		
	WALTERSBURG, MIS	2120	50			3	0	0		37		8	30	TF		
*NEW MAVEN C ++, WHITE, 78, 10-11E																
		1941	780	56,4	2747,5	68	1	0		41				A	MIS	3900
	UEGONIA, MIS	1789	10			1	0	0				8	6			
	TAR SPRINGS, MIS	2105	330			25	0	0		38	0,27	8	12	AF		
	HARDINSBURG, MIS	2245	10			1	0	0		36		8	8	AF		
	CYPRESS, MIS	2445	480			25	1	0		39		8	12	AF		
	AUX VASES, MIS	2720	130			11	0	0		37		8	15	AF		
	UHARA, MIS	2799	140			2	0	0				L	12	A		
	SPAR MTN, MIS	2828	#			2	0	0				L	15	A		
	MCCLOSKEY, MIS	2820	#			6	0	0		35		QL	6	AC		
NEW HEBRON E +, CRAWFORD, 6N, 12W																
	AUX VASES, MIS	1555	50	0,0	0,3	4	0	0		0	35	8	4		MIS	1571
			ABD 1965													
*NEW MEMPHIS, CLINTON, 1N, 16, 5W																
	SILURIAN	1980	860	58,8	2692,1	51	6	0		49	41	L		H	TRN	2900
NEW MEMPHIS N, CLINTON, 1N, 5W																
	DEV=8IL	2050	120	27,0	146,4	9	2	1		8	40	L	15		ORD	2915
NEW MEMPHIS S, CLINTON, WASHINGTON, 18, 5W																
	SILURIAN	2000	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	50	1,1	112,2	6	0	0		1	37	L	6	MC	MIS	3040
			ABD 1962, REV 1969													
NEWTON N, JASPER, 7N, 10E																
	MCCLOSKEY, MIS	2855	100	0,2	9,0	7	0	0		1	37	L	5	MC	MIS	2968
			ABD 1948, REV 1960, ABD 1966, REV 1976													
NEWTON W, JASPER, 6=7N, 9E																
		1947	560	3,8	318,8	38	3	0		13					MIS	3425
	SPAR MTN, MIS	2912	560			18	2	0				L	5			
	MCCLOSKEY, MIS	3000	#			30	1	0		38		L	7	MC		
			ABD 1947, REV 1952, ABD 1953, REV 1961													
NOBLE W, CLAY, 3N, 8E																
			50	4,7	15,5	9	3	0		4					MIS	3712
	MCCLOSKEY, MIS	3035	30			3	1	0		36		L	8			
	SALEM, MIS	3646	30			3	2	0				L	13			
	ULLIN, MIS	3695	10			1	0	0				L	5			
			ABD 1959													
NORRIS CITY W, WHITE, 6S, 8E																
	ULLIN, MIS	4204	10	0,6	2,0	1	0	0		1		L	14		MIS	4460
*OAKDALE, JEFFERSON, 2S, 4E																
		1956	490	3,3	878,7	34	0	0		4					MIS	3800
	AUX VASES, MIS	2860	370			26	0	0		38		8	35			
	MCCLOSKEY, MIS	2985	90			9	0	0		37		L	5			
*OAKDALE N, JEFFERSON, 2S, 4E																
	MCCLOSKEY, MIS	2932	170	2,8	686,8	13	0	0		6	37	QL	5		MIS	3630
OAKLEY, MACON, 16N, 3E																
	GEAR VALLEY, DEV	2285	170	0,0	22,9	10	0	1		0	37	L	5		DEV	2335
			ABD 1965, REV 74, ABD 80													
*OAK POINT, CLARK, JASPER, 8=9N, 14W																
		1952	790	3,5	576,4	64	1	0		30				M	DEV	2691
	ISABEL, PEN	560	10			1	0	0				8	10	ML		
	AUX VASES, MIS	1185	690			56	1	0		37		8	17			

(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- OVERY	AREA PRU- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST
				DUR- ING 1980	TO END OF 1980	COM- PLET- ED TO END OF 1980	CO- HPL- AS- PROD- UCING END OF YEAR	GR.	SUL- FUR- PERC- ENT	KIND OF ROCK	THI- STR- UCT- URE		
(CONTINUED FROM PREVIOUS PAGE)													
*OAK POINT, CLARK, JASPER, 8-9N, 14W	CANPER, MIS	2220 1952	90			7	0	0				S X ML	
OAK POINT W, CLARK, CUMBERLAND, 9N, 11E, 14W	AUX VASES, MIS	1955 1190 1955	130 120	0,3	18,4	11	1	0	7			S R	MIS 1560
	SPAR MTN, MIS	X 1980	10			1	1	0				S X	
OCONEE, SHELBY, 10N, 1E	LINGLE, DEV	2850 1975	70	1,4	23,8	4	0	0	3			S 6	DEV 3139
*ODIN, MARION, 2N, 1-2E	CYPRESS, MIS	1945 1750 1945	350 340	3,3	1877,4	34	0	2	23			S 13 A	DEV 3597
	BENOIST, MIS	1912 1963	10			30	0	2	37			S 3	
	MCCLOSKEY, MIS	2085 1957	30			1	0	0	37			L 12 A	
OKAWVILLE, WASHINGTON, 18, 4W	SILURIAN	2325 1951	50 AND 1969	0,0	63,3	4	0	0	0	40		L 3 H	SIL 2603
OKAWVILLE NC, WASHINGTON, 18, 4W	DEV-SIL	2200 1955	220	5,6	143,8	17	0	0	11	40		L	ORD 3070
*OLD RIPLEY, BOND, 5N, 4W	PENNSYLVANIAN	1954 600 1954	490 880	9,6	563,2	87	0	0	65			S 17 A	DEV 2221
	AUX VASES, MIS	941 1964	10			86	0	0	34			S 19	
OLD RIPLEY N, BOND, 5N, 4W	HARDIN, DEV	1991 1962	20 AND 1966	0,0	3,0	1	0	0	0	35		S 1	DEV 2040
*OLNEY C, RICHLAND, JASPER, 4-5N, 10	AUX VASES, MIS	1938 2918 1960	3940 90	29,0	8431,2	230	0	1	28			S X A	MIS 4030
	OHARA, MIS	3005 1943	3870			6	0	0	37			L 6 A	
	SPAR MTN, MIS	3050 1946	#			15	0	0	37	0,19		L 5 A	
	MCCLOSKEY, MIS	3100 1938	#			77	0	1	37	0,19		L 6 A	
*OLNEY B, RICHLAND, 3N, 10E	OHARA, MIS	1937 3142 1962	1040 1040	6,6	1092,4	63	2	0	19			L 4 H	DEV 4910
	SPAR MTN, MIS	3100	#			1	0	0				L 4 MC	
	MCCLOSKEY, MIS	3115	#			39	1	0	36			L 3 MC	
*OMAHA +, GALLATIN, 7-8S, 8E	JAKE CREEK, PEN	1940 385	1760 350	89,6	6352,0	161	0	3	82			S 20 U	DEV 5320
	PENNSYLVANIAN	580	#			15	0	1	26			S 10 U	
	BIEHL, PEN	1335 1948	#			5	0	0	19			S 10 U	
	PALESTINE, MIS	1700 1940	410			6	0	0	22			S 15 U	
	TAR SPRINGS, MIS	1900	170			27	0	0	26	0,24		S 15 U	
	HARDINSBURG, MIS	2179 1961	80			9	0	0	27			S 15 U	
	CYPRESS, MIS	2402 1959	150			6	0	0	29			S 18 U	
	PAINT CREEK, MIS	2450 1961	40			12	0	0	35			S 12 U	
	BETHEL, MIS	2570 1955	#			1	0	0	37			S 10 U	
	AUX VASES, MIS	2730 1955	890			3	0	1	8			S 14 U	
	OHARA, MIS	2734 1958	350			67	0	2	40			S 20 U	
	SPAR MTN, MIS	2722 1958	#			18	0	0	39			L 14 U	
	MCCLOSKEY, MIS	2800 1961	#			5	0	0				S 8 U	
						6	0	0				L X U	
OMAHA E, GALLATIN, 6S, 8E	CYPRESS, MIS	1946 2530 1957	130 30	0,0	61,2	11	0	0	1			S 6 M	MIS 3007
	AUX VASES, MIS	2790	10			3	0	0	41			S X M	
	OHARA, MIS	2855 1946	90			1	0	0	38			S 8 MCF	
	SPAR MTN, MIS	2942 1960	#			3	0	0	37			L 9 MCF	
	MCCLOSKEY, MIS	2886 1958	#			1	0	0				L 10 MCF	
						3	0	0	38			L 10 MCF	

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (= SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR DEP- TH OF DISC- VERY	AREA PRO- VED IN ACRES	PRODUCTION H BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST	
				1980	1980	COM- LETED END OF	CO- MPL- ETED IN	AB- AND- ONED END OF	PROD- UCING YEAR	SUL- FUR GR, PERC- ENT	KIND OF ROCK			THI- CK- NES
*OHAMA S, GALLATIN, SALINE, 88, 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	2870 1955	40			3	0	0	38	S	11	N		
	SPAR MTN, MIS	2865 1951	10			1	0	0	37	L	1	NC		
ABU 1965, REV 1969														
*OHAMA W, SALINE, GALLATIN, 7-88, 7-8E														
		1950	160	8.2	441.3	14	0	0	12			A	MIS	3025
	CYPRESS, MIS	2600 1950	70			6	0	0	38	S	14	AL		
	SAMPLE, MIS	2600 1967	80			6	0	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	80	0.9	27.4	7	0	0	1				MIS	3200
	BENOIST, MIS	2280 1963	10			1	0	0	38	S	3			
	MCCLOSKEY, MIS	2490 1946	70			5	0	0	38	L	10	U		
	SALEM, MIS	2742 1979	10			1	0	0		L	4			
ABU 1949, REV 1963, ABU 1968, REV 1977														
OPDYKE, JEFFERSON, 38, 4E														
		1961	60	1.0	9.0	4	1	0	2				MIS	3976
	UHARA, MIS	3016 1962	60			1	0	0		L	8			
	MCCLOSKEY, MIS	3074 1961	#			4	1	0	37	OL	20			
ABU 1967, REV 1979														
*ORCHARDVILLE C, WAYNE, 1N, 5E														
		1950	390	49.5	703.4	32	5	2	20			A	MIS	4000
	SAMPLE, MIS	2655 1958	10			1	0	0	36	S		A		
	AUX VASES, MIS	2800 1951	310			24	1	2	36	S	16	AL		
	UHARA, MIS	2880	120			5	2	0	37	L	3	AC		
	MCCLOSKEY, MIS	2905 1950	#			6	1	0		L	5	AC		
	SALEM, MIS	3320 1980	10			1	1	0		L	8			
ORCHARDVILLE N, WAYNE, 1N, 5E														
		1956	20	0.1	24.8	2	0	0	1				DEV	4684
	PAINT CREEK, MIS	2655 1956	10			1	0	0		S	6			
	AUX VASES, MIS	2780 1971	10			1	0	0		S	4			
ABU 1964, REV 1971														
*ORIENT, FRANKLIN, 78, 2E														
		1965	40	2.0	198.8	4	0	0	4	36	S	24	MIS	2850
	AUX VASES, MIS	2660 1965												
ORIENT N, FRANKLIN, 78, 2E														
		1967	10	0.0	0.3	1	0	0	0	38	S	4	MIS	3049
	AUX VASES	2680 1967												
ABU 1972														
*OSKALOOSA, CLAY, 3-4N, 5E														
		1950	500	5.1	2629.0	45	1	0	10			A	DEV	4510
	BENOIST, MIS	2595 1950	450			40	0	0	37	S	15	A		
	AUX VASES, MIS	2643 1958	150			11	0	0	37	S	X	A		
	MCCLOSKEY, MIS	2755 1957	290			15	1	0	36	L	5	A		
*OSKALOOSA E, CLAY, 3N, 5-6E														
		1947	30	0.0	35.2	2	0	0	0			A	MIS	3397
	AUX VASES, MIS	2820 1947	20		7.0	1	0	0	37	S	5	AL		
	MCCLOSKEY, MIS	2895 1951	10		28.0	1	0	0	33	L	4	AC		
ABU 1954														
OSKALOOSA S, CLAY, 3N, 5E														
		1951	140	1.0	90.9	12	1	3	3					
	8TE GENEVIEVE, MIS	2770 1951	130			11	0	3	35	L	4	AC	ORD	5848
	DEVONIAN	4356 1980	10			1	1	0		L	16			
*PANA, CHRISTIAN, 11-12N, 1E														
		1951	140	32.9	185.7	12	0	0	10	37	S	8	DEV	2847
	BENOIST, MIS	1470 1951												
PANA CEN, CHRISTIAN, 11N, 1E														
		1978	240	24.3	31.1	17	13	0	17				MIS	1661
	BENOIST, MIS	1526 1978												

TABLE 8--continued

WELL LOCATION AND RANGE (2 SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR	AREA	PRODUCTION		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST	
				DEP. OF TH OVERY	PRO. VED IN ACRES	DUR. ING 1980	TO END OF 1980	COMP. LETED TO END OF 1980	CO. MPL. IN 1980	AB. ANU. ONED 1980	PRD. UCING END OF YEAR			SUL. FUR PERC. ENT

PANAMA S, CHRISTIAN, 11N, 1E														
DEVONIAN		2881 1974	130	0.0	0.1	6	0	0	3		L	S	DEV	2929

PANAMA S, BOND, MONTGOMERY, 7N, 3-4W														
GOLCONDA, MIS		705 1940	60	0.3	23.5	6	0	0	1	31	L	A	ORD	8950
BENDIST, MIS		865	40			4	0	0		28	S	A		
			30			3	0	0			S	A		

PANKEYVILLE, SALINE, 9S, 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	22		
			10			1	0	0			S			
ABU 1957, REV 1961, ABD 1961														

PANKEYVILLE E, SALINE, 9S, 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		
			10			1	0	0			S			
ABU 1957														

*PARKERSBURG C, RICHLAND, EDWARDS, 1-3N, 10-11E, 14W														
PENNSYLVANIAN		2100 1941	5590	65.3	11223.3	350	18	2	87	36	S	A	DEV	5128
WALTERSBURG, MIS		2430 1950	1000			1	0	0		39	S	10	A	
TAR SPRINGS, MIS		2440 1967	150			12	0	0		36	S	2	A	
CYPRESS, MIS		2830 1942	10			1	0	0		36	S	12	A	
BETHEL, MIS		2930 1942	200			12	0	0		35	S	12	A	
AUX VASES, MIS		3070	350			24	3	0		37	S	12	A	
OHARA, MIS		3100	20			2	0	0		37	S	20	A	
SPAR MTN, MIS		3150 1945	4870			7	0	0		36	L	10	A	
MCCLOSKEY, MIS		3175 1941	#			57	0	1		36	0.34	L	10	A
SALEM, MIS		3796 1978	#			211	5	1		36	0.31	OL	10	A
ULLIN, MIS		3966 1978	210			17	12	1			L	4		
			10			1	0	0			L	4		

PARKERSBURG S, EDWARDS, 1N, 14W														
PENNSYLVANIAN		1400 1948	100	0.7	104.7	9	0	0	3	35	S	10	MIS	3895
CYPRESS		2750 1954	70			6	0	0		36	S	X		
BETHEL, MIS		2815 1948	10			1	0	0		35	S	5		
			20			3	0	0			S			

PARKERSBURG W, RICHLAND, EDWARDS, 2N, 10E														
AUX VASES, MIS		3142 1943	360	3.1	240.1	22	3	0	3		S	A	MIS	4132
OHARA, MIS		3220 1945	10			1	1	0			L	8		
MCCLOSKEY, MIS		3260 1943	350			2	0	0		36	L	5	AC	
SALEM, MIS		3789 1980	#			18	1	0		37	L	6	AC	
			30			2	2	0			L	5		
ABU 1962, REV 64, ABD 65, REV 76, ABD 78, REV 80														

PARNELL, DEWITT, 21N, 4E														
SONORA, MIS		671 1963	610	13.7	224.6	39	0	0	38	32	S	12	TRN	1971
DEVONIAN		1100 1964	590			36	0	0		37	S	12		
			20			3	0	0			S			

*PASSPORT, CLAY, 4-SN, 8E														
AUX VASES, MIS		2924 1945	990	22.3	3432.8	66	1	0	17	36	S	A	MIS	3831
SPAR MTN, MIS		3005 1945	20			5	0	0		38	L	6		
MCCLOSKEY, MIS		3020	970			2	0	0		37	L	5	AC	
			#			60	1	0			L	10	A	

PASSPORT N, RICHLAND, 5N, 9E														
AUX VASES, MIS		2940 1959	60	1.4	75.2	5	0	0	2	36	S	10	MIS	3564

*PASSPORT S, RICHLAND, CLAY, 4N, 8-9E														
TAR SPRINGS, MIS		2368 1948	140	0.1	172.0	12	1	0	2	37	S	A	MIS	3692
CYPRESS, MIS		2665 1948	10			1	0	0		38	S	9		
AUX VASES, MIS		2957 1960	80			7	0	0		36	S	15	AL	
SPAR MTN, MIS		3025 1948	10			1	0	0		36	S	8	A	
MCCLOSKEY, MIS		3030	40			1	0	0		38	L	6	AC	
SALEM, MIS		1980	#			2	0	0			L	8	AC	
			10			1	1	0			L			

PASSPORT W, CLAY, 4N, 8E														

(CONTINUED ON NEXT PAGE)

TABLE 8—continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR DEP- OF TH DISC- OVERY	AREA PRU- VEU IN	PRODUCTION M BBLs		NUMBER OF WELLS					CHARACTER OF OIL			PAY ZONE		DEEPEST TEST TH (FT)
				DUR- ING 1980	TO END OF 1980	COMP- LETD TO 1980	CO- MPL- ETED 1980	AS- AND 1980	PROD- UCING YEAR	SUL- FUR API	PERC- OF ENT	KIND OF ROCK	THI- CKN- ESS	STR- UCT- URE		
(CONTINUED FROM PREVIOUS PAGE)																
PASSPORT W, CLAY, 4N, 8E	STE, GEN, MIS	3030 1954	150	0.0	69.4	11	0	0	0	37	L	5	AC	MIS	3570	
			ABD 1967, REV 1971, ABD 1974													
*PATOKA, MARION, CLINTON, 3-4N, 1E, 1W		1937	1560	27.3	14751.1	242	0	1	104						ORD	4056
CYPRESS, MIS		1280	60			8	0	0		39	S	10	U			
BENOIST, MIS		1410 1937	1000			180	0	0		37	0.16	S	27	U		
AUX VASES, MIS		1459 1970	40			3	0	0				S	13			
SPAR MTN, MIS		1550	510			15	0	0		39	0.31	S	9	U		
GENEVA, DEV		2835 1943	30			3	0	0		40	0.28	0	10	0		
TRENTON, ORD		3950 1956	630			34	0	1		42	L	25	U			
*PATOKA E, MARION, 4N, 1E		1941	570	54.6	5830.6	65	0	0	35					ORD	4178	
CYPRESS, MIS		1340 1941	570			55	0	0		36	0.18	S	16	U		
BENOIST, MIS		1465	50			5	0	0		36	0.23	S	10	U		
MCCLOSKEY, MIS		1635 1953	40			3	0	0		34	L	8	U			
GENEVA, DEV		2950 1952	20			2	0	0		35	0	30	R			
*PATOKA S, MARION, 3N, 1E		1953	1060	36.3	2540.0	88	0	1	67					ORD	4041	
CYPRESS, MIS		1350 1953	830			63	0	1		36	S	10	A			
BENOIST, MIS		1461 1959	230			20	0	0		37	S	15	A			
SPAR MTN, MIS		1624 1959	50			2	0	0			S	5	A			
DEVONIAN		2978 1979	40			1	0	0			L	10				
TRENTON, ORD		3990 1973	200			6	0	0		43	L	18				
PATOKA W, FAYETTE, 4N, 1W		1950	200	0.0	303.6	20	0	0	0	32	S	6	A	MIS	1735	
			ABD 1965													
*PHILLIPSTOWN C, WHITE, EDWARDS, 3-5S, 10-11E, 14W		1939	7410	517.9	51648.3	694	10	0	347					DEV	5350	
ANVIL ROCK, PEN		795 1943	1840			1	0	0		36	S	10	AF			
CLARK-BROGPT, 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			
BIEHL, PEN		1875	#			86	0	0		33	0.22	S	15	AF		
KINKAID, 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			
TAN SPRINGS, MIS		2295 1943	1440			116	2	0		35	S	15	AF			
CYPRESS, MIS		2720 1943	630			54	1	0		36	S	12	AF			
PAINT CREEK, MIS		2780 1944	1580			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	2	0		37	S	15	AF			
OHARA, MIS		3010 1943	2260			34	2	0		36	L	10	ACF			
SPAR MTN, MIS		2960	#			40	3	0		38	0.21	LS	10	ACF		
MCCLOSKEY, MIS		3000 1939	#			81	3	0		34	0.21	L	6	ACF		
ST LOUIS, MIS		3120 1976	20			2	0	0			L	20				
SALEM, MIS		3798 1978	10			1	0	0			L	8				
ULLIN, MIS		3982 1980	20			2	2	0			L	8				
PINKSTAFF, LAWRENCE, 4N, 11W		1951	10	0.0	0.1	1	0	0	0	37	L	4	MIS	2290		
			ABD 1951													
PINKSTAFF E, LAWRENCE, 4N, 11W		1955	130	1.0	X	9	0	2	5	35	L	6	MIS	2250		
			ABD 1961, REV 1975													
PITTSBURG N W, WILLIAMSON, 8S, 3E		1964	40	3.7	78.6	4	0	0	3					MIS	3070	
BETHEL, MIS		2459 1972	10			1	0	0			S	8				
AUX VASES, MIS		2578 1964	30			3	0	0			S	8				
PIXLEY, CLAY, 4N, 8E		1959	30	0.0	0.0	3	1	0	1	35	S	9	MIS	3686		
CYPRESS, MIS		2680 1959	20			2	0	0			L	3				
SALEM, MIS		3538 1960	10			1	1	0			L	3				
			ABD 1960, REV 1980													
PLAINVIEW W, MACOUPIN, 9N, 8W																
(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 (FT) DISC- VERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST ZONE TH (FT)	
				1980	TO 1980	LET- ED TO END OF 1980	CO- MPL- AB- PROD- UCING	GR. PERC- OF	SUL- FUR KIND OF	API ENT ROCK	MI- TI- GKN- UCT- ESS URE			
(CONTINUED FROM PREVIOUS PAGE)														
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 ABU 1962	0,0	X	1	0	0	0	34	S	8	PEN	642
POSEN, WASHINGTON, 38, 2W TRENTON, ORD		3900 1952	50	2,1	119,7	4	0	0	1	37	L	25	A	ORD 3954
POSEN N, WASHINGTON, 38, 2W TRENTON, ORD		4015 1953	10 ABU 1959	0,0	3,9	1	0	0	0	37	L	15	AC	ORD 4112
POSEN S, WASHINGTON, 38, 2W BENOIST, MIS		1255 1955	50 ABU 1959	0,0	X	4	0	0	0	34	S	7	MIS	1300
POSEY, CLINTON, 1N, 2W CYPRESS, MIS DEVONIAN		1105 1941 2675 1959	330 320 10	16,5	539,6	30 29 1	0 0 0	0	26 36 38	0,18	S L	5 5	H H	SIL 2798
POSEY E, CLINTON, 1N, 2W DEV=SIL		2740 1952	480	14,8	683,9	29	2	0	25	38	L	8	DEV	2805
POSEY W, CLINTON, 1N, 3W DEVONIAN		2585 1954	20 ABU 1954, REV 1977	0,5	2,8	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, 2S, 1W DEVONIAN		3109 1962	100 ABU	0,0	44,1	6	0	0	0	36	S	6	DEV	3255
*RACCOON LAKE, MARION, 1N, 1E CYPRESS, MIS BENOIST, MIS OHARA, MIS SPAR MTN, MIS MCCLOSKEY, MIS DEV=SIL		1625 1949 1715 1957 1885 1949 1930 1949 1950 1949 3330 1951	380 240 20 190 # # 270	7,3	3439,4	47 18 2 1 11 13 15	0 0 0 0 0 0 0	0	13 34 37 L S L 40		S S L S L D	10 15 5 12 10 10	U U UL UC UC UC R	SIL 3530
*RALEIGH, SALINE, 7-88, 6E TAR SPRINGS, MIS CYPRESS, MIS PAINT CREEK, MIS AUX VAGES, MIS OHARA, MIS SPAR MTN, MIS MCCLOSKEY, MIS		2235 1953 2550 1953 2738 1958 2905 1953 3054 1959 3025 1957 3045 1974	630 20 450 10 100 50 # #	3,6	2259,6	55 2 39 1 11 1 2 1	0 0 0 0 0 0 0 0	0	11 35 34 34 38 L 38 DL		S S S S L LS DL	20 12 5 5 3 10 4	A A A A A A A	DEV 5511
*RALEIGH S +, SALINE, 8S, 5-6E WALTERSBURG, MIS BETHEL, MIS AUX VAGES, MIS MCCLOSKEY, MIS		2046 1955 2739 1958 2860 1955 2960 1974	480 60 10 390 20	52,1	1479,8	42 4 1 38 2	7 0 0 6 1	0	19 39 37 40 40		S S S S DL	10 8 16 13	MIS	3455
RAYMOND, MONTGOMERY, 10N, 4-5W POTTSVILLE, PEN		590 1940	60	0,6	32,2	10	0	0	3	35	S	10	HL	DEV 2049
*RAYMOND E, MONTGOMERY, 10N, 4W PENNSYLVANIAN		595 1951	60	0,7	33,2	5	0	0	2	34	S	10	MIS	1008

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) QVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs			NUMBER OF WELLS				CHARACTER OF OIL			DEEPEST TEST	
				1980	TO 1980	END OF 1980	COM- PLET- ED TO END OF 1980	CO- MPL- ETED IN 1980	AB- AND ONED 1980	PROD- UCING END OF YEAR	GR, API	SUL- FUR PERC- ENT	PAY ZONE KIND OF ROCK	THI- STR- UCT- URE	ZONE
RAYMUND S, MONTGOMERY, 10N, 4W UNNAMED, PEN		603 1959	10 ABD 1959	0.0	0.0	0.0	1	0	0	0	34	S	6	PEN	680
*RESERVOIR, JEFFERSON, 1S, 3E SPAR MTN, MIS MCCLOSKEY, MIS SALEM, MIS		1950 2443 1959 2700 1950 3034 1961	350 330 # 20	6.0	606.7		22	2	0	9		S	7	MC	MIS 3211
*RICHVIEW, WASHINGTON, 2S, 1W CYPRESS, MIS		1500 1946	780	35.6	3027.3		85	1	3	59	39	S	12	AL	MIS 3291
RIDGWAY, GALLATIN, 8S, 8E PALESTINE, MIS MCCLOSKEY, MIS		1946 1730 1955 2840 1946	20 10 10	0.0	0.1		2	0	0	0		S	18	MC	MIS 2938
					0.1		1	0	0			L	6	MC	
							1	0	0			L	6	MC	
							1	0	0			L	6	MC	
							2	0	1			L	25		
RIFLE, CLAY, 4N, 6E SPAR MTN, MIS		2735 1948	80 ABD 1961	0.0	80.9		5	0	0	0	36	L	7	MC	MIS 2848
RINARD C, WAYNE, 2N, 7E DHARA, MIS SPAR MTN, MIS MCCLOSKEY, MIS SALEM, MIS		1957 3132 1977 3135 # 3140 1937 3561 1976	310 300 # # 10	1.7	378.0		24	0	1	5		L	6	M	MIS 3950
							1	0	0			L	6	MC	
							1	0	0			L	6	MC	
							21	0	0	39		L	5	MC	
							2	0	1			L	25		
RINARD S, WAYNE, 1N, 6E SPAR MTN, MIS		3268 1965	10 ABD 1966	0.0	0.8		1	0	0	0	39	L	4		MIS 3863
RITTER, RICHLAND, 3N, 10-11E STE. GEN, MTS		3215 1950	110 ABD 1960, REV 1961	1.5	265.9		6	0	0	1	38	L	5		MIS 3925
*RITTER N, RICHLAND, 3N, 11E DHARA, MIS SPAR MTN, MIS MCCLOSKEY, MIS		1951 3203 1960 3215 1952 3205 1951	180 180 # #	0.0	161.3		11	0	0	0		L	6		MIS 3288
							1	0	0	39		L	6		
							8	0	0			L	6		
							3	0	0			L	5		
RIVERTON S, SANGAMON, 15N, 4W SILURIAN		1590 1965	40	0.7	93.1		3	0	0	3	38	D	8		SIL 1670
ROACHES, JEFFERSON, 2S, 1E BENDIST, MIS DHARA, MIS SPAR MTN, MIS MCCLOSKEY, MIS ST LOUIS, MIS		1938 2000 2170 1942 2190 1938 2250 1938 1980	310 40 260 # # 10	24.1	651.9		22	5	0	9		S	X	A	DEV 3840
							6	3	0			L	5	AL	
							4	0	0			L	12	AC	
							11	0	0			L	4	AC	
							6	0	0			L	4	AC	
							2	2	0			L	X		
*ROACHES N, JEFFERSON, 2S, 1E BENDIST, MIS SPAR MTN, MIS TRENTON		1944 1925 1944 2115 1944 4852 1962	420 420 100 10	4.2	1133.6		37	2	0	4		S	7	A	TRN 4996
							32	0	0	37		L	8	AC	
							6	2	0	34		L	8	AC	
							1	0	0	42		L	44		
ROBY, SANGAMON, 15N, 3W SILURIAN		1775 1949	370 ABD 1951, REV 1954	11.1	408.4		26	0	0	14	38	L	5	MU	SIL 1905
ROBY E, CHRISTIAN, SANGAMON, 15N, 2-3W DEVONIAN SILURIAN		1970 1757 1971 1840 1970	1660 20 1970	179.6	1489.1		106	15	1	71		S	2		SIL 1923
							2	0	0			L	20		
							105	15	1			L	20		

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (* SECONDARY RECOVERY SEE PART II)	PAY ZONE NAME AND AGE	YEAR DEP- TH (PT) OVERY	AREA ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL			PAY ZONE	DEEPEST TEST ZONE TH (FT)	
				PRO- VED IN	OUR- ING 1980	TO END OF 1980	LETED END OF 1980	CO- TO 1980	AB- ETED 1980	PROD- UCING END OF YEAR	SUL- FUR PERC- API	KIND OF ROCK			THI- STR- UCT- URE
ROBY N, SANGAMON, 16N, 3W	SILURIAN	1699 1962	60	0.1	19.1	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	0.2	6.5	4	0	0	3	37	8	5	MU	TRN 2259	
			ABD 1963, REV 1967												
*ROCHESTER ++, WABASH, 28, 13W	PENNSYLVANIAN	1300 1948	390	1.7	2559.1	53	0	0	21				M	MIS 3450	
	WATERSBURG, MIS	1940 1948	230			23	0	0		32	8	16	MCF		
	SALEM, MIS	3210 1977	20			29	0	0			8	20	ML		
			20			2	0	0			L	30			
*ROLAND C +, WHITE, GALLATIN, 5-7S, 8-9E	PENNSYLVANIAN	1410 1939	11490	368.6	58799.1	1010	24	0	318				A	DEV 5266	
	DEGONIA, MIS	2065	30			6	0	0		36	8	10	A		
	CLORE, MIS	1993 1947	40			4	0	0		35	8	7	A		
	PALESTINE, MIS	2085 1946	90			6	0	0		36	8	4	A		
	WALTERSBURG, MIS	2200	1870			4	0	0		34	8	2	A		
	TAR SPRINGS, MIS	2300 1940	740			121	0	0		31	0.25	8	15	AL	
	HARDINBURG, MIS	2550 1940	2030			50	0	0		35	8	15	AL		
	GOLCONDA, MIS	2505 1955	10			161	8	0		37	0.30	8	20	AL	
	CYPRESS, MIS	2700 1943	2510			1	0	0		35	8	5	A		
	PAINT CREEK, MIS	2800 1945	2330			161	1	0		36	0.12	8	15	AL	
	BETHEL, MIS	2800	#			40	0	0		37	8	12	AL		
	AUX VASES, MIS	2880 1945	4360			88	0	0		37	0.20	8	12	AL	
	OHARA, MIS	3020 1943	2680			271	0	0		39	0.12	8	13	AL	
	SPAR MTN, MIS	3050 1945	#			32	1	0		38		DL	6	AC	
	MCCLOSKEY, MIS	3070 1939	#			34	1	0		38		L	6	AC	
	ST. LOUIS, MIS	3250	100			121	10	0		38	0.20	L	6	AC	
	SALEM, MIS	4089 1966	150			7	2	0		37		L	6	AC	
	ULLIN	4050 1967	280			10	4	0		38		L	19	AC	
						9	4	0		38		L	4		
ROLAND W, SALINE, 7S, 7E	AUX VASES, MIS	2935 1950	10	0.0	22.3	1	0	0	0	40	8	15	ML	MIS 3161	
			ABD 1959												
ROSE HILL, JASPER, 8N, 9E	MCCLOSKEY, MIS	2695 1966	10	0.0	7.3	1	0	0	0	39	L	10	MIS	3052	
			ABD 1976												
*RUARK, LAWRENCE, 2N, 12-13W	PENNSYLVANIAN	1600 1941	480	5.0	2655.6	54	0	0	19				A	MIS 2442	
	BETHEL, MIS	2075	380			42	0	0		33	8	10	AL		
	AUX VASES, MIS	2145	90			8	0	0		36	8	11	AL		
	OHARA, MIS	2275 1954	10			3	0	0		37	8	7	AL		
						1	0	0		37	L	5	AC		
*RUARK W C, LAWRENCE, 2N, 13W	WALTERSBURG, MIS	1780 1947	740	10.8	1533.9	66	0	3	27				M	MIS 3112	
	CYPRESS, MIS	2165 1952	50			7	0	0		38	8	10	ML		
	BETHEL, MIS	2220 1948	10			1	0	0		35	8	9	ML		
	OHARA, MIS	2350 1952	580			45	0	1		36	8	20	ML		
	SPAR MTN, MIS	2390	300			4	0	0			L	5	MC		
	MCCLOSKEY, MIS	2400 1950	#			2	0	0			L	5	MC		
						19	0	2		38	L	3	MC		
*RURAL HILL N, HAMILTON, 58, 5E	CYPRESS, MIS	2930 1956	150	8.2	250.5	12	1	0	4				M	MIS 4489	
	OHARA, MIS	3330 1977	110			8	0	0		35	8	10	ML		
	SPAR MTN, MIS	3325 1949	20			1	0	0			L	6			
	ST LOUIS, MIS	3640 1977	#			1	0	0		37	L	8	MC		
	SALEM, MIS	3660 1976	10			1	0	0			L	7			
	ULLIN, MIS	4220 1977	20			1	0	0			L	35			
			30			3	1	0			L	7			
			ABD 1950, REV 1956, ABD 1969, REV 1976												
RUSHVILLE, SCHUYLER, 2N, 1W	DEV=8IL	743 1966	10	0.0	0.0	1	0	0	0	37	L	22	TRN	975	
			ABD 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												

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		
				1980	TO 1980	COMPL- ETED TO 1980	CO- MPL- IN 1980	AB- AND- ONED 1980	PROD- UCING YEAR	SUL- FUR PERC- ENT			KIND OF ROCK	THI- CK- ESS
RUSSELLVILLE GAS +, LAWRENCE, 4-5N, 10-11W														
MCCLOSKEY, MIS		1560 1937	40	0.1	12.9	4	0	0	2	35	L	7 AC	DEV 3133	
ABU 1958, REV 1977														
RUSSELLVILLE W, LAWRENCE, 4N, 11W														
SPAR MTN, MIS		1565 1955	10	0.0	2.0	1	0	0	0	37	L	22	MIS 1646	
ABU 1957														
*ST, FRANCISVILLE, LAWRENCE, 2N, 11W														
BETHEL, MIS		1845 1900	950			49	0	0	32	32	S	6 ML	MIS 2465	
SEE LAWRENCE COUNTY DIVISION FOR PRODUCTION														
*ST, FRANCISVILLE E, LAWRENCE, 2N, 11W														
PENNSYLVANIAN		1260 1941	450	0.5	726.5	39	0	0	17			A	MIS 1960	
WALTERSBURG, MIS		1300	60			6	0	0		30	S	8 AL		
HARDINSBURG, MIS		1460 1950	10			1	0	0		37	S	6 AL		
CYPRESS, MIS		1605	40			3	0	0		35	S	6 AL		
BETHEL, MIS		1750 1941	60			3	0	0		36	S	15 AL		
SPAR MTN, MIS		1822 1963	320			25	0	0		40	0.21	S	20 A	
			10			1	0	0		36	L	5		
*ST, JACOB, MADISON, 3N, 6W														
TRENTON, ORD		2260 1942	1050	24.4	4199.9	55	0	0	28	40	0.23	L	17 A	PC 5019
ST, JACOB E, MADISON, 3N, 6W														
HARDIN, DEV		1840 1955	50	2.3	5.8	4	1	0	3				ORD 2600	
TRENTON, ORD		2558 1979	20			1	0	0		23	S	X U		
			30			3	1	0				L	4	
ABU 1957, REV 1979														
*ST, JAMES, FAYETTE, 5-6N, 2-3E														
GOLCONDA, MIS		1555 1938	2280	110.8	20891.2	263	0	1	138			A	DEV 3470	
CYPRESS, MIS		1580 1938	10			1	0	0		34	L	15 A		
BENDIST, MIS		1746 1959	1900			200	0	1		37	0.31	S	16 A	
SPAR MTN, MIS		1860 1954	10			1	0	0		36	S	8 A		
CARPER, MIS		3070 1961	100			10	0	0		38	L	16 A		
			670			52	0	0		37	S	35 A		
ST, PAUL, FAYETTE, 5N, 3E														
BENDIST, MIS		1900 1941	380	7.4	1051.3	36	0	0	19			A	DEV 3575	
SPAR MTN, MIS		2080	240			18	0	0		34	0.23	S	9 A	
CARPER, MIS		3288 1963	10			1	0	0		38	L	6 A		
			290			19	0	0		36	S	28		
*STE, MARIE, JASPER, 5N, 10-11E, 14W														
STE, GEN, MIS		2900 1941	1210	7.8	2097.4	72	0	4	4	37	0.14	L	8 AC	MIS 3470
STE, MARIE E, JASPER, 6N, 14W														
STE, GEN, MIS		2685 1949	70	0.6	35.6	8	0	1	0	38		L	10 MC	MIS 3191
ABU 1951, REV 66, ABU 80														
STE, MARIE W, JASPER, 5-6N, 10E														
AUX VASES, MIS		2720 1949	410	5.4	473.7	21	0	0	12			S	M	MIS 3225
STE GEN, MIS		2815 1949	10			1	0	0		37		L	25 ML	
			410			21	0	0		40	L	6 MC		
*SAILOR SPRINGS C, CLAY, EFFINGHAM, JASPER, 3-6N, 6-8E														
TAR SPRINGS, MIS		2340 1938	20050	545.0	59556.4	1510	33	14	636			A	DEV 5600	
GLEN DEAN, MIS		2390 1941	810			58	0	0		37	0.17	S	12 A	
JACKSON, MIS		2550 1943	10			1	0	0		38	L	8 A		
CYPRESS, MIS		2550 1976	10			1	0	0			S	10		
BETHEL, MIS		2740 1942	10410			767	18	6		38	0.28	S	12 A	
AUX VASES, MIS		2740 1946	710			42	0	1		37	S	20 A		
OHARA, MIS		2825 1942	2830			210	9	2		37	S	13 A		
SPAR MTN, MIS		2900 1947	8110			17	0	0		37	OL	6 A		
MCCLOSKEY, MIS		2900 1945	#			197	2	4		33	LS	8 A		
ST LOUIS, MIS		2925 1938	#			342	2	5		40	OL	8 A		
SALEM, MIS		3310 1967	70			10	2	1		39	L	11 A		
DEVONIAN		4586 1978	20			6	2	0			L	12		
			20			2	2	0				6		
SAILOR SPRINGS E, CLAY, 4N, 8E														
		1944	210	3.5	86.7	18	3	0	4			U	MIS 3776	

(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- OVERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST TH (FT)	
				1980	END OF 1980	COMP- LETED TO 1980	CO- MPL- IN 1980	AB- AND- 1980	PROD- UCING YEAR	SUL- PUR PERC- ENT	KIND OF ROCK			THI- CKN- ESS
(CONTINUED FROM PREVIOUS PAGE)														
SAILOR SPRINGS E, CLAY, 4N, 8E	CYPRESS, MIS	2695 1944	110			10	0	0		36	S	8	D	
	MCCLOSKEY, MIS	3020 1955	60			6	1	0		37	L	7	U	
	ST LOUIS, MIS	3228 1980	10			1	1	U			L	6		
	SALEM, MIS	3550 1967	40			3	2	0		38	L	6		
ABU 1952, REV 1955, ABD 1956, REV 1960, ABD 1961, REV 1966														
SAILOR SPRINGS N, CLAY, 4N, 8E	SPAR MTN, MIS	2985 1948	80	0.1	4.9	6	1	0	1		L	2	M	MIS 3126
	MCCLOSKEY, MIS	3030	40			4	1	U			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	BENDIST, MIS	1780 1938	13670	1812.5	372011.8	2876	9	10	1277		S	40	A	PC 9210
	AUX VASES, MIS	1825	10830			628	5	9		37	S	40	A	
	OHARA, MIS	2075	7590			822	0	0		37	0.21	S	40	A
	SPAR MTN, MIS	2100	9580			2	0	0		37	L	3	A	
	MCCLOSKEY, MIS	2050	#			151	0	0		37	L8	15	A	
	ST. LOUIS, MIS	2100	#			896	4	0		35	L	17	A	
	SALEM, MIS	2160 1939	2100			19	0	0		37	L	X	A	
	DEVONIAN	3440 1939	1400			279	0	0		37	L	17	A	
	TRENTON, ORD	4500 1941	6000			662	0	1		42	0.28	L	40	A
			1920			151	0	0		37	L	50	A	
SAMSVILLE, EDWARDS, 1N, 11E	WALTERSBURG, MIS	2420 1942	70	0.0	1.0	5	0	0		0 38	S	7	A	MIS 3303
ABU 1952, REV 1974, ABD 1977														
*SAMSVILLE N, EDWARDS, 1N, 14W	BETHEL, MIS	2900 1945	200	1.3	260.5	16	0	0		0 38	S	6	A	MIS 4040
ABU 1976														
SAMSVILLE NW, EDWARDS, 1N, 10E	OHARA, MIS	3190 1955	30	0.3	4.5	3	1	0	1		L	4		MIS 4145
	SPAR MTN, MIS	3301 1970	20			1	0	U		38	L	10		
	MCCLOSKEY, MIS	3290 1980	#			1	0	0			L	5		
	SALEM, MIS	3872 1980	10			1	1	U			OL	5		
ABU 1956, REV 70, ABD 72, REV 80														
SANDOVAL, MARION, 2N, 1E	CYPRESS, MIS	1400 1909	500	25.4	6303.1	155	1	U	11		S	10	U	STP 5023
	BENDIST, MIS	1540 1909	20			1	0	U		37	S	10	U	
	GENEVA, DEV	2920	480			124	0	U		35	S	20	U	
			240			29	1	0		38	0.38	0	9	R
REV 1975														
SANDOVAL W, CLINTON, 2N, 1W	CYPRESS, MIS	1420 1946	10	0.0	26.3	1	0	U		0 37	S	4	A	MIS 1604
ABU 1960														
SANTA FE, CLINTON, 1N, 3W	CYPRESS, MIS	955 1944	10	0.0	1.5	1	0	0		0 34	S	10	A	DEV 2542
ABU 1947														
*SCHNELL, RICHLAND, 2N, 9E	AUX VASES, MIS	2956 1938	190	4.3	377.5	15	0	0	9		S	10		MIS 3690
	SPAR MTN, MIS	3090 1974	130			8	0	U			S	15		
	MCCLOSKEY, MIS	3000 1938	10			1	0	U			S	15		
			80			7	0	0		39	0.19	OL	5	AC
SCHNELL E, RICHLAND, 2N, 9E	SPAR MTN, MIS	3101 1954	170	19.8	36.3	12	3	2	9		S	5		MIS 3776
	MCCLOSKEY, MIS	3115 1954	170			6	1	1			L	4	AC	
			#			7	2	1		38	L	4	AC	
ABU 1954, REV 1978														
SCIOTA, MCCONOUGH, 7N, 3W	DEVONIAN	519 1960	10	0.0	0.0	1	0	0		0 28	L	16		SIL 760
ABD 1960														
*SEMINARY, RICHLAND, 2N, 10E	MCCLOSKEY, MIS	3195 1945	120	0.0	228.4	8	0	0		0 38	L	MC	MIS	3475
ABU 1966														

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 ZONE TH (FT)	
				1980	TO END OF 1980	COMP- LETED TO 1980	CO- MPL- ETED 1980	AB- AND 1980	PROD- UCING END OF YEAR	SUL- FUR PERC- API	KIND OF ROCK	THI- SS ESS			STR- UCT- URE
*SESSER C, FRANKLIN, 3-6S, 1-2E															
CYPRESS, MIS	2455	1942	1690	67.9	3690.0	111	1	0	70				A	DEV	4688
RENAULT, MIS	2690	1953	50			3	0	0		38	S	5	AL		
AUX VASES, MIS	2700	1942	340			26	0	0		37	0,17	S	10	AC	
GHARA, MIS	2675	1951	1270			75	1	0		38	0,17	S	10	AL	
SPAR MTN, MIS	2810	1944	#			2	0	0				L	8	A	
MCCLOSKEY, MIS	2640		#			5	0	0		39		L	5	AC	
ST. LOUIS, MIS	3002	1957	10			1	0	0		37		L	20	AC	
CLEAR CREEK, DEV	4360	1949	140			9	0	0		40		L	X	AC	
SHARPSBURG, CHRISTIAN, 14N, 2W															
DEVONIAN	1972	1975	40	0,0	0,1	3	0	1	2					SIL	2062
SILURIAN	1990	1974	30			2	0	1				L	3		
			10			1	0	0				L	3		
*SHATTUC, CLINTON, 2N, 1W															
CYPRESS, MIS	1280	1945	280	10,6	819,2	36	0	0	16				A	ORD	4078
BENOIST, MIS	1420	1947	150			15	0	0		36	S	7	AL		
TRENTON, ORD	4020	1948	80			7	0	0		35	S	13	AL		
			180			15	0	0		40	L	13	A		
SHATTUC N, CLINTON, 2N, 1W															
BENOIST, MIS	1445	1961	10	0,0	2,4	1	0	0	0	36	S	7	THN	4134	
			ABD 1964												
SHAWNEETOWN, GALLATIN, 9S, 9E															
PALESTINE, MIS	1720	1945	80	0,0	16,9	6	0	0	0				M	MIS	2837
WALTERSBURG, MIS	1900	1955	40			2	0	0		35	S	28	M		
FAR SPRINGS, MIS	1960	1955	10			1	0	0		37	S	12	M		
CYPRESS, MIS	2375	1956	60			3	0	0		37	S	X	M		
BETHEL, MIS	2400	1968	10			1	0	0		38	S	14	M		
AUX VASES, MIS	2650	1945	10			1	0	0		38	S	X	M		
			10			1	0	0		38	S	10	MF		
			ABD 1950, REV 1955, ABD 1960, REV 196A, ABD 1969												
SHAWNEETOWN E, GALLATIN, 9S, 10E															
WALTERSBURG, MIS	1855	1952	30	0,0	18,3	4	0	0	2				MIS	2830	
BETHEL, MIS	2480	1955	10			2	0	0		37	S	10			
AUX VASES, MIS	2660	1952	10			1	0	0		37	S	X			
			10			1	0	0		38	S	9			
*SHAWNEETOWN N, GALLATIN, 9S, 10E															
AUX VASES, MIS	2750	1948	50	0,0	104,9	4	0	0	0				MF	MIS	3131
MCCLOSKEY, MIS	3045	1955	40			3	0	0		38	S	20	MF		
			10			1	0	0		36	L	6	MF		
			ABD 1953, REV 1955, ABD 1966												
*SHELBYVILLE C, SHELBY, 11N, 4E															
AUX VASES, MIS	1860	1946	110	1,1	47,9	9	0	0	1	34	S	15	A	MIS	3301
SHUMWAY, EFFINGHAM, 9N, 5E															
MCCLOSKEY, MIS	2223	1965	10	0,0	3,4	1	0	0	0	37	L	3	MIS	2273	
			ABD 1969												
SICILY, CHRISTIAN, 13N, 4W															
SILURIAN	1860	1956	70	0,0	69,4	6	0	0	0	39	L	16	SIL	1884	
			ABD 1967												
*SIGGINS, CUMBERLAND, CLARK, 10-11N, 10-11E, 14W															
1ST (UP) SIGGINS, PEN	400	1906	4430	X	X	1127	0	0	437				U	TRN	3341
2ND (LO) SIGGINS, PEN	460		4430			898	0	0		36	S	25	U		
3RD, 4TH SIGGINS, PEN	580		#			95	0	0		36	S	X	U		
TRENTON, ORD	3013	1972	#			209	0	0		37	S	40	U		
			10			1	0	0		40	L	67			
			SEE CLARK COUNTY DIVISION FOR PRODUCTION												
SILDAM, BROWN, 2S, 4W															
SILURIAN	605	1959	280	5,7	249,3	26	0	1	10	37	0	4	AC	SIP	1115
*SURENTO C, BOND, 6N, 4W															
PENNSYLVANIAN	570	1938	700	2,6	1935,1	58	0	0	5				A	TRN	2684
			80			6	0	0		31	S	20	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 (FT)	YEAR OF DISC- VERY	AREA PRO- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS				CHARACTER OF OIL				DEEPEST TEST	
					1980	1980	LETED TO 1980	MPL IN 1980	AB- AND- 1980	PROD- UCING YEAR	SUL- GR, API	FUR PERC ENT	KIND OF ROCK	THI- CKN- ESS	STR- UCT- URE	ZONE
(CONTINUED FROM PREVIOUS PAGE)																
*SORENTO C, BOND, 6N, 4W	LINGLE, DEV	1875	1938	640			52	0	0		35	8	8	A		
SORENTO W, BOND, 6N, 4W	DEVONIAN	1880	1956	10 ABU 1956	0,0	0,0	1	0	0	0	37	L	X	ORD	2706	
SPARTA +, RANDOLPH, 4=58, 5=6W	CYPRESS, MIS	850	1888	20 ABU 1900	0,0	X	2	0	0	0	35	8	7	D	TRN	3130
SPARTA 8, RANDOLPH, 58, 5W	CYPRESS, MIS	880	1949	10 ABU 1950	0,0	0,0	1	0	0	0	35	8	A	A	MIS	909
SPRINGERTON, WHITE, 48, 8E	AUX VASES, MIS	3376	1960	10	1,0	1,0	1	1	0	1		8	X	MIS	3560	
SPRINGERTON 8, WHITE, 48, 8E	AUX VASES, MIS	3325	1976	820	114,2	788,4	63	4	2	55					MIS	4500
	OHARA, MIS	3424	1978	710			54	2	1			S	8			
	SPAR MTN, MIS	3440	1976	130			1	0	0			L	4			
	MCCLOSKEY, MIS	3494	1978	#			4	0	0			S	9			
	SALEM, MIS	4290	1977	#			4	2	0			L	6			
	ULLIN, MIS	4385	1977	10			1	0	0			L	5			
				20			2	0	1			L	6			
SPRINGFIELD E, SANGAMON, 15N, 4W	HIBBARD, DEV	1625	1960	250	4,8	335,5	22	0	0	5					SIL	1705
	SILURIAN	1600	1960	10			1	0	0		37	S	4	U		
				220			22	0	0		39	D	12	H		
SPRING GARDEN, JEFFERSON, 48, 3E	MCCLOSKEY, MIS	3090	1977	240	84,0	328,1	15	2	2	13		OL	10	MIS	3942	
*STAUNTON +, MACOUPIN, 7N, 7W	PENNSYLVANIAN	515	1952	50	0,0	4,1	2	0	0	1	35	8	11	A	ORD	2371
*STAUNTON W, MACOUPIN, 7N, 7W	PENNSYLVANIAN	505	1954	260	5,9	134,3	27	0	0	16	35	8	10	SIL	1512	
*STEWARSON, SHELBY, 10N, 5E	AUX VASES, MIS	1945	1939	330	16,0	962,1	28	0	1	22					DEV	3414
	SPAR MTN, MIS	2021	1958	330			27	0	1		38	0,18	8	9	A	
				70			5	0	0		37	8	4	A		
STEWARSON E, SHELBY, 9=10N, 6E	AUX VASES, MIS	2177	1963	30	0,6	20,7	3	0	0	2					MIS	2280
	SPAR MTN, MIS	2197	1963	10			1	0	0		38	S	6			
				30			3	0	0		37	S	6			
STEWARSON W, SHELBY, 10N=5E	BENIGST, MIS	1920	1970	10 ABO 1971	0,0	0,0	1	0	0	0		8	5	MIS	2102	
STIRITZ, WILLIAMSON, 8S, 2E	BETHEL, MIS	2470	1976	110	9,7	194,3	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 +, WHITE, 5=68, 9=10E	PENNSYLVANIAN	1324	1954	4700	219,8	21326,0	437	0	2	165					DEV	5308
	BIEHL, PEN	1840	1951	340			10	0	0		29	S	10	A		
	DEGONIA, MIS	2090	1954	#			16	0	1		35	S	4	AF		
	CLORE, MIS	2100	1954	160			13	0	0		35	S	7	AL		
	PALESTINE, MIS	2150	1941	250			30	0	0		35	S	10	AL		
	WALTERSBURG, MIS	2230	1939	70			6	0	0		35	S	12	AL		
				2720			248	0	0		32	0,28	S	15	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- TH OF (FT) QVER	AREA PRU- VED IN ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			DEEPEST TEST					
				DUR- ING 1980	TO END OF 1980	COMP- LETED TO 1980	CO- MPL- ETED IN 1980	AB- AND ONEO 1980	PROD- UCING END OF YEAR	SUL- FUR PERC- ENT	PAY ZONE KIND OF ROCK	THI- CK- ESS	STR- UCT- URE	DEP- TH ZONE (FT)			
(CONTINUED FROM PREVIOUS PAGE)																	
*STORMS C +, WHITE, 5-6S, 9-10E																	
TAR SPRINGS, MIS		2340 1946	300			28	0	0		37	S	10	MF				
HARDINSBURG, MIS		2476 1959	20			2	0	0		37	S	9	MF				
CYPRESS, MIS		2700 1946	330			22	0	1		34	S	10	MF				
BETHEL, MIS		2810	40			4	0	0		37	S	X	MF				
RENAULT, MIS		2990	20			2	0	0		39	L	5	A				
AUX VASES, MIS		3000 1946	1020			76	0	1		35	S	13	AF				
OHARA, MIS		3095	290			9	0	0		35	L	10	AC				
SPAR MTN, MIS		3115 1950	#			9	0	0		34	L	2	AC				
MCCLOSKEY, MIS		3055	#			9	0	0			L	5	MC				
SALEM, MIS		3738 1966	10			1	0	0			L	6					
*STRINGTOWN, RICHLAND, 4-5N, 11E, 14W																	
STE, GEN, MIS		3025 1941	550	0,0	1608,6	37	0	0		0 40	0,24	DL	8	AC	MIS	3651	
			ARD	1975													
STRINGTOWN E, RICHLAND, 4N, 14W																	
MCCLOSKEY, MIS		3010 1948	10	0,0	2,0	1	0	0		0 37		L	4		MIS	3175	
			ARD	1950													
STRINGTOWN S, RICHLAND, 4N=14W																	
SPAR MTN, MIS		3117 1970	30	0,0	0,2	3	0	0		0		S	8		MIS	3186	
			ABD	1976													
STUBBLEFIELD S +, BOND, 4N, 3W																	
		1955	130	19,2	70,8	11	1	0		9					DEV	2455	
PENNSYLVANIAN		540 1974	40			3	0	0			S	15					
CYPRESS, MIS		985 1955	10			1	0	0		35	S	4					
DEVONIAN		2185 1963	100			7	1	0		37	L	8					
			ARD	1956,REV	1963,ABD	1965,REV	1974										
SUMNER, LAWRENCE, 4N, 13W																	
MCCLOSKEY, MIS		2260 1944	20	0,7	16,6	2	0	0		1 39		L	4	MC	MIS	2365	
			ARD	1953,REV	1979												
SUMNER CEN, LAWRENCE, 4N, 13W																	
SPAR MTN, MIS		2544 1966	10	0,0	0,0	1	0	0		0 37		L	5		MIS	3100	
			ARD	1968													
SUMNER S +, LAWRENCE, 3N, 13W																	
AUX VASES, MIS		2620 1964	70	0,0	0,0	5	1	0		1 36		S	8		MIS	2990	
			ARD	1969,REV	1980												
SUMPTER, WHITE, 4S, 9E																	
		1945	370	12,1	433,8	26	1	0		14					ORD	7852	
DEGONIA, MIS		2140 1975	10			1	0	0			S	5					
CLORE, MIS		2195 1975	20			2	1	0			S	5					
TAR SPRINGS, MIS		2575 1945	290			20	1	0		37	S	14	AF				
HARDINSBURG, MIS		2655 1951	10			1	0	0		36	S	14	AF				
CYPRESS, MIS		2860 1948	70			5	0	0		37	S	15	AF				
OHARA, MIS		3222 1960	10			1	0	0		36	L	6	A				
*SUMPTER E, WHITE, 4-5S, 10E																	
		1951	1610	56,4	2876,5	101	3	0		38					A	MIS	4204
CYPRESS, MIS		2795	220			18	0	0		37	S	16	AL				
BETHEL, MIS		2922 1960	20			2	0	0		35	S	12	A				
AUX VASES, MIS		3020 1952	420			28	1	0		39	S	15	AL				
OHARA, MIS		3115 1951	1110			46	2	0		36	L	12	AC				
SPAR MTN, MIS		3140 1952	#			18	0	0		36	L	4	AC				
MCCLOSKEY, MIS		3150	#			3	0	0		33	L	5	AC				
*SUMPTER N, WHITE, 4S, 9E																	
		1952	280	4,9	689,7	20	0	0		9					DEV	5500	
AUX VASES, MIS		3185 1952	240			16	0	0		37	S	3	NL				
MCCLOSKEY, MIS		3312 1974	10			1	0	0			DL	4					
ULLIN, MIS		4230 1975	30			3	0	0			L	30					
*SUMPTER S, WHITE, 4-5S, 9E																	
		1948	250	17,2	940,3	29	0	0		8					A	MIS	3430
TAR SPRINGS, MIS		2580 1948	120			13	0	0		34	S	8	AF				
BETHEL, MIS		3025	10			1	0	0		35	S	15	AF				
AUX VASES, MIS		3260	210			16	0	0		37	S	10	AF				
SUMPTER W, WHITE, 4S, 9E																	
		1952	30	2,0	26,7	3	1	0		2					MIS	4050	

(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 (FT) OVERY	AREA PRO- VED ACRES	PRODUCTION M BBLs		NUMBER OF WELLS			CHARACTER OF OIL			PAY ZONE	DEEPEST TEST TH (FT)	
				DUR- IN 1980	TO ING 1980	COMP- LETD END OF 1980	CO- MPL IN 1980	AB- AND 1980	PROD- UCING YEAR	SUL- FUR PERC- API	OF GR.			KIND OF ROCK
(CONTINUED FROM PREVIOUS PAGE)														
SUMPTER W, WHITE, 4S, 9E	AUX VASES, MIS OHARA, MIS	3165 1952 3244 1980	20 10			2 1	0 1	0 0		37	S	5	NL	
ABU 1964, REV 1969														
TAMARCA, PERRY, 4S, 1W	CYPRESS, MIS TRENTON, ORD	1942 1120 1942 4135 1964	340 230 110	3.9	453.0	22 17 6	0 0 0	1 0 1	8	30 38	0.12	S L	13 40	AL AL
*TAMARCA S, PERRY, 4S, 1W	CYPRESS, MIS	1155 1957	250	6.9	334.3	20	0	0	12	28		S	7	MIS
TAMARCA W, PERRY, 4S, 2W	CYPRESS, MIS	1100 1956	20	0.0	2.5	3	0	0	1	34		S	5	DEV
TAYLOR HILL, FRANKLIN, 5S, 4E	OHARA, MIS SALEM, MIS ULLIN, MIS	1949 3055 1949 3635 1979 3940 1961	180 80 10 160	16.5	157.0	16 6 1 9	1 1 0 0	0 0 0 0	10	37 38		L L L	4 6 15	MIS
ABU 1968, REV 1977														
TEUTUPOLIS, EFFINGHAM, 8N, 6E	SPAR MTN, MIS MCCLOSKEY, MIS ST LOUIS, MIS	1966 2402 1966 2530 1967 2570 1967	170 170 # 40	10.0	153.1	12 11 2 3	1 0 1 0	2 2 0 0	8			L OL L	5 4 4	MIS
TEUTUPOLIS S, EFFINGHAM, 8N, 6E	SPAR MTN, MIS MCCLOSKEY, MIS	1968 2477 1968 2535 1968	50 50 #	0.1	19.9	3 2 2	0 0 0	0 0 0	2			S OL	4 5	MIS
*THACKERAY, HAMILTON, 5S, 7E	CYPRESS, MIS AUX VASES, MIS OHARA, MIS MCCLOSKEY, MIS	1944 3030 3360 1944 3435 1946 3500 1946	840 30 760 120 #	22.9	4420.3	76 3 68 1 6	1 1 0 0 0	0 0 0 0 0	30	36 37		S S L L	24 15 5 10	AL AL AC AC
THOMPSONVILLE, FRANKLIN, 7S, 4E	OHARA, MIS SPAR MTN, MIS MCCLOSKEY, MIS ST LOUIS, MIS	1940 3110 1967 3190 1967 3200 1940 3450 1967	400 330 # # 80	7.3	402.4	38 8 1 19 10	1 1 0 0 0	3 1 0 0 2	10			L L L L	4 4 10 10	DEV
ABU 1947, REV 1967														
*THOMPSONVILLE E, FRANKLIN, 7S, 4E	AUX VASES, MIS	3150 1949	180	4.7	629.0	14	0	0	1	38		S	8	ML
*THOMPSONVILLE N, FRANKLIN, 7S, 4E	CYPRESS, MIS AUX VASES, MIS	1944 2750 1948 3100 1944	870 20 860	18.8	3820.8	87 1 86	0 0 0	0 0 0	12	37 35		S S	10 20	AL AL
TILDEN, RANDOLPH, 4S, 5W	SILURIAN	2160 1952	610	37.3	4539.2	35	0	0	30	40		L	60	N
TILDEN N, ST CLAIR, WASHINGTON, RANDOLPH, 3-4S, 5-6W	SILURIAN	2014 1968	500	26.6	872.9	31	0	0	32	42		L	70	N
TOLIVER E, CLAY, 5N, 6-7E	CYPRESS, MIS AUX VASES, MIS SPAR MTN, MIS	1943 2510 1955 2740 1967 2815	180 10 50 110	9.2	281.1	14 1 4 4	0 0 0 0	0 0 0 0	6	36 36 36		S S L	14 4 6	M M 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 UISC- (PT) QVRY	AREA PRO- VEU IN ACRES	PRODUCTION M BBLB DUR= TO ING END OF 1980 1980	NUMBER OF WELLS			CHARACTER OF OIL SUL- FUR PERC- ENT	PAY ZONE	DEEPEST TEST ZONE TH (FT)
					COMP- LETED	CO- MPL- AB-	PROD- UCING GR, YEAR			
(CONTINUED FROM PREVIOUS PAGE)										
TOLIVER E, CLAY, 3N, 6-7E	MCCLOSKEY, MIS	2840 1943	0			5	0	0	35	OL 8 MC
TOLIVER S, CLAY, 4N, 6E	AUX VASES, MIS	1953 70	0,0	57,6	4	0	0	0		H MIS 2915
	MCCLOSKEY, MIS	2765 1953	10	21,0	1	0	0	36	S	MC
		2875 1956	60	37,0	3	0	0	34	L	5 MC
			ABD 1964							
*TONTI, MARION, 2-3N, 2E	BENOIST, MIS	1939 570	86,2	14235,4	107	0	0	63		U ORD 4900
	AUX VASES, MIS	1930 140			18	0	0	36	S	20 U
	SPAR MTN, MIS	2005 180			26	0	0	37	S	30 U
	MCCLOSKEY, MIS	2125 630			16	0	0	38	LS	12 U
	DEVONIAN	2130 1939	#		73	0	0	37	OL	15 U
		3500	80		7	0	0	37	U	7 H
TOVEY, CHRISTIAN, 13N, 3W	SILURIAN	1850 1955	10	0,0	28,0	1	0	0	0 38	L 10 SIL 1881
			ABD 1973							
*TRUMBULL C, WHITE, 5S, 8-9E	PENNSYLVANIAN	1944 1520	43,8	3825,0	115	0	0	56		A MIS 4285
	TAR SPRINGS, MIS	830 1974	10		1	0	0		S	12 A
	CYPRESS, MIS	2528 1962	30		2	0	0	35	S	5 A
	BETHEL, MIS	2845 1944	420		32	0	0	36	S	10 A
	AUX VASES, MIS	2955 1959	50		2	0	0	37	S	9 A
	OHARA, MIS	3170 1946	520		42	0	0	36	S	9 A
	MCCLOSKEY, MIS	3230	690		19	0	0	36	L	15 AC
	ULLIN, MIS	3270 1946	#		13	0	0		L	6 AC
		3290 1947	#		20	0	0		L	5 AC
		4110 1978	10		1	0	0		L	20
*TRUMBULL N, WHITE, 4S, 8E	AUX VASES, MIS	1961 230	69,1	77,3	17	13	0	14		MIS 3630
	OHARA, MIS	3325 1961	180		12	11	0	36	S	6
	MCCLOSKEY, MIS	3420 1979	50		1	0	0	37	L	4
		3466 1961	#		4	2	0		OL	16
			ABD 1966, REV 1979							
TURKEY BEND, PERKY, 4S, 2W	TRENTON, ORD	3940 1957	30	3,3	57,4	2	0	0	2 39	L 1 ORD 4044
*VALIER, FRANKLIN, 6S, 2E	AUX VASES, MIS	1942 110	7,2	121,6	6	0	0	2		MIS 2900
	MCCLOSKEY, MIS	2685 1963	100		5	0	0	39	S	7
		2715 1942	10		1	0	0	39	L	12 ML
			ABD 1945, REV 1963							
VERGENNES, JACKSON, 7S, 2W	DEVONIAN	3300 1975	80	1,4	12,3	5	1	0	5 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
			ABD 1971							
WAGGONER +, MONTGOMERY, 11N, 5W	POTTSVILLE, PEN	610 1940	40	0,0	12,0	7	0	0	1 28 0,21	S 10 SIL 1945
			ABD 1940, REV 59, ABD 60, REV 63, ABD 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
			ABD 1947, REV 1953, ABD 1954							
WAKEFIELD N, JASPER, 5N, 9E	MCCLOSKEY, MIS	3000 1953	10	0,0	23,2	1	0	0	0 37	L 6 MIS 3204
			ABD 1958							
WAKEFIELD S, RICHLAND, 5N, 9E	MCCLOSKEY, MIS	3040 1955	80	0,0	7,2	5	0	0	0 37	L 4 MIS 3650
			ABD 1955, REV 1969, ABD 1974							

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			PROD- UCING YEAR	CHARACTER OF OIL			PAY ZONE	DEEPEST TEST		
				PRO- VED IN ACRES	DUR- ING END OF 1980	COMP- ETED END OF 1980	CO- MPL- IN 1980	AB- AND- 1980		GR, API	SUL- FUR ENT	KIND OF ROCK			THI- = LBS	STR- UCT- URE
*WALPOLE, HAMILTON, 6-78, 6E																
TAR SPRINGS, MIS		1941	2180	14,7	10542,7	134	0	0	59				A	DEV	5325	
BENOIST, MIS		2465	110			7	0	0		37	8	15	AL			
AUX VASES, MIS		2962 1979	10			1	0	0			8	8				
OHARA, MIS		3070 1941	2060			121	0	0	37	0,13	8	20	A			
SPAR MTN, MIS		3152 1979	200			1	0	0	37		L	4	A			
MCCLOSKEY, MIS		3195 1954	#			3	0	0			L	7	AC			
ST. LOUIS, MIS		3162 1960	#			11	0	0	37		OL	7	AC			
SALEM, MIS		3544 1960	20			2	0	0	38		L	8	AC			
		4058 1979	10			1	0	0			L	14				
WALPOLE S, HAMILTON, 78, 6E																
AUX VASES, MIS		3120 1951	40	0,0	123,3	2	0	0	0	37	8	6	AL	MIS	3362	
ADD 1975																
WALTONVILLE, JEFFERSON, 38, 2E																
BENOIST, MIS		1943	60	1,3	142,6	5	0	0	3				A	MIS	3375	
ST. LOUIS, MIS		2460 1943	50			4	0	0	38	0,14	8	9	A			
		2767 1962	10			1	0	0	37		L	14				
*WAMAC, MARION, CLINTON, WASHINGTON, 1N, 1E, 1W																
PETRO, PEN		1921	310	0,0	692,3	119	0	0	1				DP	ORD	4160	
DEVONIAN		720 1921	300			117	0	0	36		S	20	DP			
		3015 1959	10			1	0	0	38		L	9	DP			
WAMAC E +, MARION, 1N, 1E																
ISABEL, PEN		645 1952	140	1,3	53,3	11	0	1	3	30	8	15	HL	DEV	3405	
PAY ZONE IS ISABEL (WILSON SAND), PEN																
*WAMAC W, CLINTON, 1N, 1W																
CYPRESS, MIS		1962	260	18,3	1019,7	28	0	0	22					DEV	3050	
BENOIST, MIS		1312 1962	130			15	0	0	35		S	8				
		1466 1962	130			13	0	0	36		S	12				
WAPPELLA E, DEWITT, 21N, 3E																
DEVONIAN		1962	350	79,5	3098,2	36	0	0	36					STP	2216	
SILURIAN		1108 1963	30			3	0	0	31		L	5				
		1112 1962	350			36	0	0	31		D	6	H			
*WARRANTON-BORTON, EDGAR, COLES, 13-14N, 13-14W																
UNNAMED, PEN		200 1906	510	0,0	32,1	50	3	0	4	31	8	20	HL	TRN	2212	
WATERLOO, MONROE, 1-2S, 10W																
TRENTON, ORD		410 1920	390	25,4	294,5	60	1	0	21	30	0,97	L	50	A	PC	2768
ABU, GAS STORAGE IN ST PETER AND GALESVILLE 1951																
WATSON, EFFINGHAM, 7N, 5-6E																
SPAR MTN, MIS		1957	30	0,8	61,6	3	0	0	1					MIS	2647	
MCCLOSKEY, MIS		2415 1957	30			2	0	0			8	5				
		2434 1958	9			1	0	0	38		L	11				
WATSON W, EFFINGHAM, 7N, 5E																
AUX VASES, MIS		2206 1965	10	0,5	13,9	1	0	0	1	39	8	12		MIS	2316	
WAYERLY +, MORGAN, 13N, 8W																
DEV-SIL		1020 1946	20	0,0	0,0	1	0	0	0		L	10	A	ORD	2070	
ABU, GAS STORAGE IN ST PETER AND GALESVILLE																
WAYNE CITY, WAYNE, 28, 6E																
SALEM, MIS		3974 1978	30	2,1	3,4	3	2	0	3		L	2A		DEV	5247	
WEAVER, CLARK, 11N, 10W																
COLE, MIS		1949	570	15,1	2412,1	46	1	0	28					DEV	2160	
DEVONTAN		1565 1953	30			1	0	0	30		8	5	U			
		2030 1949	540			44	1	0	37		L	10	R			
*WEST FRANKFORT C, FRANKLIN, 78, 2-3E																
		1941	1710	69,3	7559,9	152	1	1	53				A	DEV	4869	

(CONTINUED ON NEXT PAGE)

TABLE 8--continued

POOL, COUNTY, LOCATION BY TOWNSHIP AND RANGE (# SECONDARY RECOVERY SEE PART II)	PAY ZONE	YEAR OF DISCOVERY	AREA PRODUCED IN ACRES	PRODUCTION M BBL		NUMBER OF WELLS			CHARACTER OF OIL		PAY ZONE	DEEPEST TEST
				1980	1980	COMPLETED TO END OF 1980	CO-MPL. IN 1980	AS-PRODUCING END OF 1980	SULFUR CONTENT	PERCENTAGE OF ROCK		
*WEST FRANKFORT C, FRANKLIN, 78, 2-3E (CONTINUED FROM PREVIOUS PAGE)												
TAR SPRINGS, MIS		2060 1941	680			70	0	0	39	0.13	S	20 A
AUX VASES, MIS		2710 1947	420			37	0	1	38		S	20 AL
OHARA, MIS		2760 1943	850			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	1	0			L	2
*WEST SEMINARY, CLAY, 2N, 7E												
		1959	320	0.0	819.9	29	0	0	2			MC MIS 3198
AUX VASES, MIS		2972 1959	230			18	0	0	37		S	10 MC
SPAR MTN, MIS		3059 1959	290			3	0	0			L	6 MC
MCCLOSKEY, MIS		3066 1959	#			14	0	0	38		OL	12 MC
*WESTFIELD, CLARK, COLES, 11-12N, 11E-14W												
		1904	9710	X	X	1885	10	0	286			SIP 3009
GAS, PEN		280	1610			258	0	0			S	25 U
WESTFIELD, MIS		335	9060			57	10	0	32		L	14 U
CARPER, MIS		675	580			29	0	0	38		S	14 U
TRENTON, ORD		2300	1710			67	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	12.8	45	1	0	32	26	S	11 ML MIS 795
WESTFIELD N, COLES, 12N, 14W												
		1949	20	0.0	0.4	2	0	0	0			PEN 011
PLEASANTVIEW, PEN		275 1949	20		0.4	1	0	0	28		S	5
PENNSYLVANIAN		490 1949	#			1	0	0			S	10
AND 1957												
*WHITEASH, WILLIAMSON, 8S, 2E												
		1972	70	1.6	26.5	5	0	0	4			MIS 2651
AUX VASES, MIS		2464 1973	60			4	0	0			S	12
OHARA, MIS		2532 1972	20			2	0	0			L	8
*WHITTINGTON, FRANKLIN, 5S, 3E												
		1939	1120	58.0	2908.7	84	3	0	53			DEV 4810
HARDINSBURG, MIS		2310 1948	430			28	0	0			S	10 A
CYPRESS, MIS		2535	250			17	1	0	35		S	10 A
BETHEL, MIS		2612 1961	60			3	0	0	38		S	8 A
AUX VASES, MIS		2735	120			11	0	0	38		S	15 A
OHARA, MIS		2835	420			13	0	0	37		L	10 AC
SPAR MTN, MIS		2880	#			8	0	0			L	10 AC
MCCLOSKEY, MIS		2870 1939	#			8	1	0	38	0.24	L	9 AC
ST. LOUIS, MIS		3080 1939	80			9	0	0	30	0.24	L	6 AC
SALEM, MIS		3300 1977	60			5	1	0			L	10
ULLIN, MIS		3560 1977	20			1	0	0			L	7
*WHITTINGTON S, FRANKLIN, 5-6S, 3E												
CYPRESS, MIS		2580 1950	120	2.0	480.9	10	0	0	10	35	S	10 A MIS 3904
*WHITTINGTON W, FRANKLIN, 5S, 2-3E												
		1943	670	0.0	1571.2	38	0	0	2			MIS 3535
BENOIST, MIS		2615 1949	10			1	0	0			S	10 AL
RENAULT, MIS		2700 1956	480			21	0	0	37		L	4 A
AUX VASES, MIS		2700 1944	180			13	0	0	38		S	15 AL
OHARA, MIS		2800 1943	110			5	0	0			L	5 AC
SPAR MTN, MIS		2780 1947	#			2	0	0			L	4 AC
MCCLOSKEY, MIS		2900	#			3	0	0	38		L	6 AC
*WILBERTON, FAYETTE, 5N, 2-3E												
		1959	1070	15.1	1839.8	58	0	0	36			ORD 4528
BORDEN, MIS		2628 1963	10			1	0	0			S	38
CARPER, MIS		3203 1961	1060			46	0	0	37		S	39
LINGLE, DEV		3466 1959	60			5	0	0	28		S	4
*WILLIAMS C, JEFFERSON, 2-3S, 2E												
		1948	490	11.1	1416.4	45	0	0	31			DEV 4578
BENOIST, MIS		2490 1949	230			17	0	0			S	10 AL
AUX VASES, MIS		2550 1949	400			29	0	0	37		S	5 AL
MCCLOSKEY, MIS		2600	10			1	0	0	37		L	AC

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 ZONE TH (FT)			
				1980	1980	COMP- LETED TO END OF 1980	CO- TO ETED AND 1980	AB- ONED 1980	PROD- UCING YEAR	SUL- FUR PER- CENT	KIND OF ROCK			THI- CKNESS IN FEET	STR- UCTURE URE	
*MOBURN C, BOND, 6-7N, 2W																
		1940	1440	25.8	4598.2	141	1	2	50			A	ORD	3290		
CYPRESS, MIS		865 1950	310			20	0	0		35	S	8	AL			
BENOIST, MIS		1020 1940	340			38	0	0		36	0.20	S	10	AL		
RENAULT, MIS		1047 1958	10			1	0	0		36		L	X	AL		
AUX VASES, MIS		1055 1956	140			5	0	0		36		S	10	AL		
LINGLE, DEV		2275 1949	720			56	0	1		35		S	8	AC		
TRENTON, OND		3170 1947	380			24	1	1		39	0.27	L	12	A		
*WOODLAWN, JEFFERSON, 2-3S, 1-2E																
		1940	1900	47.9	18345.9	194	0	0	66			A	ORD	5101		
TAR SPRINGS, MIS		1440	30			3	0	0		35	S	X	AL			
CYPRESS, MIS		1800 1943	180			3	0	0		37		S	10	AL		
BENOIST, MIS		1960 1940	1860			175	0	0		37	0.16	S	25	A		
AUX VASES, MIS		1975 1945	270			24	0	0		38		S	10	A		
SPAR MTN, MIS		2205 1947	240			15	0	0		38		LS	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, 2S, 2E																
MCCLOSKEY, MIS		2304 1979	10	X	X	1	0	0	1			L	5	MIS	2444	
XENIA, CLAY, 2N, 5E																
		1941	120	0.0	46.7	8	0	0	3			A	DEV	4745		
AUX VASES, MIS		2785 1941	10			1	0	0		35	0.19	S	13	A		
CARPER, MIS		4230 1962	110			7	0	0		38		S	12			
XENIA E, CLAY, 2N, 5E																
		1951	300	5.2	932.2	29	0	0	10			A	MIS	4620		
CYPRESS, MIS		2500 1951	260			18	0	0		37		S	6	AL		
BENOIST, MIS		2710	110			9	0	0		35		S	6	AL		
RENAULT, MIS		2755 1959	20			2	0	0		35		S	15	AL		
AUX VASES, MIS		2741 1960	30			3	0	0		35		S	10	A		
YALE, JASPER, 8N, 11E																
		1966	230	41.7	97.3	16	3	0	14				SIL	3637		
SPAR MTN, MIS		2070 1966	230			9	3	0				L	10			
MCCLOSKEY, MIS		2140 1966	#			8	1	0		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, ABU 1945, REV 1950																
*ZEIGLER, FRANKLIN, 7S, 2E																
AUX VASES, MIS		2614 1963	350	15.5	2134.1	34	0	1	32	37		S	19	MIS	3030	
ZENITH, WAYNE, 2N, 5E																
		1948	50	0.0	24.6	5	0	1	0				MIS	3601		
MCCLOSKEY, MIS		2970 1948	40			4	0	1		38		L	7	AC		
ST LOUIS, MIS		3088 1969	10			1	0	0				L	6			
ABU 1956, REV 69, ABU 70, REV 73, ABU 80																
*ZENITH E, WAYNE, 1N, 6E																
SPAR MTN, MIS		3170 1965	250	2.6	540.6	14	0	0	11	37		L	10	MIS	3850	
*ZENITH N, WAYNE, 2N, 6E																
		1951	440	24.1	1478.4	33	0	0	20			N	MIS	3935		
SPAR MTN, MIS		3080 1951	280			15	0	0		38		L	6	NC		
MCCLOSKEY, MIS		3140 1951	#			6	0	0				L	4	NC		
SALEM, MIS		3634 1972	250			16	0	0				L	6	NC		
ZENITH S, WAYNE, 1N, 5E																
		1949	300	0.0	765.9	15	0	0	0				M	MIS	3827	
UMARA, MIS		2920	300			2	0	0				L	6	MC		
MCCLOSKEY, MIS		2985 1949	#			13	0	0		37		L	7	MC		
ABU 1966, REV 1967, ABU 1970																
TOTAL			630,200		3,146,328	1,107		24,869								
				22,702		69,587		291								

TABLE 9. Illinois gas field statistics, 1980

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 1980	To end of 1980	Completed to end of 1980	Completed in 1980	Abandoned 1980	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	S 6 MF	Dev	5,185	
Alhambra; Madison; 5N; 6W														
		Pennsylvanian	600	1974	20	0	0	1	0	0	S 6 X	Sil	2,005	
Ashmore E*; Edgar; 13N; 14W														
		Pennsylvanian	367	1973	20	0	0	2	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		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	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	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	S x X	Dev	2,556	
Beaver Creek NE Gas††; Bond; 4N; 2W														
		Benoist, Mis	1,126	1961	70	0	x	7	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	S 20 A	Sil	2,606	
Beckemeyer Gas*; Clinton; 2N; 3W														
		Cypress, Mis	1,070	1956	90	0	0	2	0	0			Sil	2,730
		Benoist, Mis	1,155	1975	80			1			S 23			
					10			1			S 13			
Abd 1958; rev 1975														
Bellair*; Crawford; 8N; 14W														
		Carper, Mis	1,772	1970	10	0	0	1	0	0	S 45	Dev	2,732	
Beverly Gas; Adams; 3S; 5W														
		Silurian	450	1957	80	0	0	2	0	0	L 6 X	St. P	840	
Black Branch E*; Sangamon; 15N; 4W														
		Silurian	1,695	1969	20	0	0	1	0	0	L 23	Sil	1,755	
Boulder*; Clinton; 2-3N; 2W														
		Geneva, Dev	2,630	1941	320	0	0	4	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 Depth (ft)		
	Name and age	Depth (ft)			During 1980	To end of 1980	Completed to end of 1980	Com- pleted in 1980	Aban- doned 1980	Pro- ducing end of year	Kind of rock, average thickness in feet, structure			Zone	
Boulder E*; Clinton; 3N; 1W															
	Devonian	2,840	1957	80	0	0	2	0	0	0	L 12	X	S11	2,946	
					Abd 1957										
Carlinville*; Macoupin; 9N; 7W															
	Unnamed, Pen	365		60	0	0	6	0	0	0	S x	A	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	20	0	0	2	0	0	0	L 6	X	S11	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	1	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	6.9	366.2	15	0	0	3	S		Mis	2,377	
Eldorado C*; Saline; 8S; 7E															
			1941	300	89.1	3,782.9	18	0	0	4			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	32.9	1,045.2	10	0	0	1			A	Mis	3,666
	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	43.5	32.6	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				Pay zone			Deepest test	
	Name and age	Depth (ft)			During 1980	To end of 1980	Completed to end of 1980	Com- pleted in 1980	Aban- doned 1980	Pro- ducing end of year	Kind of rock, average thickness			Zone	Depth (ft)
												in feet, structure			
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	342.8	240.4	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															
			1941	1,230	117.0	x	57	3	0	20			M	Ord	2,694
	Gas, Pen	400		1,190			56	3			S	x	ML		
	Salem, Mis	570		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	8.0	2,398.9	x	0	0	1				Mis	3,455
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	0.3	931.3	4	0	0	3	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	240.4	307.3 [†]					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		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 1980	To end of 1980	Completed to end of 1980	Com- pleted in 1980	Aban- doned 1980	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	Sil	1,735
Louden*††; Fayette; 7N; 3E															
	Burtschi, Pen	1,000	1937	1,760	0	×	14	0	0	×			A	Pc	8,616
	Tar Springs, Mis	1,170		320			5				S	20	AL		
				1,440			9				S	2	AL		
Main C*; Crawford, Lawrence; 5-8N; 10-14W															
	Robinson, Pen	1,000	1906	×	0	×	×	1	0	0			M	St. P	5,317
	Hardinsburg, Mis	1,075		×			×	0	0		S	×	ML		
	Cypress, Mis	1,425		160			1	0	0		S	40	ML		
	Aux Vases, Mis	1,527	1959	320			2	0	0		S	6	ML		
	Renault	1,570	1980	70			7	0	0		S	8	ML		
				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
Marissa W(Gas)*; St. Clair; 3S; 7W															
	Cypress, Mis	241	1960	60	0	×	7	0	0	0	S	25		Ord	2,413
Mattoon*; Coles; 12N; 7E															
	Devonian	3,124	1948	1,100	450.4	7,997.7	36	1	1	14	L	4		St. P	4,915
Mt. Olive*; Montgomery; 8N; 5W															
	Pottsville, Pen	605	1942	100	0	×	4	0	0	0	S	6	A	Sil	1,878
New Athens Gas; St. Clair; 2S; 7W															
	Cypress, Mis	250	1961	250	95.4	222.8	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	Mis	1,571
Omaha*; Gallatin; 7-8S; 8E															
	Palestine, Mis	1,865	1940	130	0	221.4	4	0	0	0			D	Dev	5,320
	Tar Springs, Mis	1,900	1973	10			1	0	0		S		D		
			1940	120			3	0	0		S	15	D		
Panama*; Bond, Montgomery; 7N; 3-4W															
	Pennsylvanian	575	1940	280	0	×	7	0	0	0			A	Ord	2,950
	Benoist, Mis	865		160			4				S	30	A		
				120			3				S	12	A		
Pittsburg, Williamson; 8S; 3E															
	Tar Springs	1,920	1962	40	0	0	4	2	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, Sil	265	1886	8,960	0	×	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 Name and age	Depth (ft)	Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pay zone			Deepest test		
					During 1980	To end of 1980	Completed to end of 1980	Com- pleted in 1980	Aban- doned 1980	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	7.5	570.3	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)††; 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	S	15	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	5.3	1	1	0	1	S	8		Ord	2,600
St. Libory; St. Clair; 1S; 6W															
			1964	280	115.4	152.8	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	x	9	0	0	0	S	40	A	Dev	5,308
	Gas, Pen	1,090		170			2				S	15	AL		
	Waltersburg, Mis	2,230		280			7				S	15	AL		
Stubblefield S*; Bond; 4N; 4W															
			1962	240	18.3	370.5	11	0	0	11	S	x	X	Dev	2,455
	Pennsylvanian	590	1971	20			0				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 1980	To end of 1980	Completed to end of 1980	Com- pleted in 1980	Aban- doned 1980	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
Waggoner*; Montgomery; 11N; 5W															
	Pottsville, Pen	523	1959	10	1.0	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)				33,920	1,574.2	32,000.6	827	8	1	72					

Part II. Waterflood Operations

Jaclyn Rendall Elyn

SUMMARY OF SECONDARY RECOVERY OPERATIONS

In 1980, 5 waterflood projects were reported for the first time by their respective operators, and 1 project was reactivated. 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 780 pay acres. However, total pay acres under fluid injection declined by 19,721 pay acres to a total of 397,631 acres at the end of 1980.

Secondary recovery oil production in 1980 was 11,604,600 barrels, a decline of 5.3 percent from 1979. Waterfloods accounted for 11,483,100 barrels or 50.6 percent of the total oil produced during 1980 in Illinois; pressure maintenance projects reported 121,500 barrels or 0.5 percent of the total oil produced during 1980.

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 1980," 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, 1980," 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. Oil production figures are obtained from the Petroleum Information Corporation's production reports.

Table 12, "Illinois Waterfloods for 1980 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 1980," is a tabulation of statistics for those fields in which secondary recovery oil is being produced.

Table 14, "Summary of Waterflood Statistics 1949-1980," is a tabulation of waterflood data, compiled on an annual basis for the past 32 years.

CONCLUSIONS

In spite of the fact that waterflood operations appear to have been applied to almost all of the productive acreage in Illinois in which waterflooding is feasible, the total secondary recovery acreage is about 48 percent of the total productive acreage.

ABBREVIATIONS

The following abbreviations are used in tables 10 through 14:

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

TABLE 10. Project numbers by county and summary of waterflood projects in 1980

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	50	0	42	92
400-420	Clinton	14	1	6	21
500-525	Coles	11	0	15	26
589-698	Crawford	46	0	48	94
700-708	Cumberland	5	0	3	8
800-802	Douglas	0	0	3	3
900-907	Edgar	7	0	1	8
1000-1040	Edwards	23	1	17	41
1100-1121	Effingham	18	0	4	22
1200-1255	Fayette	45	0	10	55
1300-1344	Franklin	25	0	19	44
1400-1458	Gallatin	27	0	32	59
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	16	0	11	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	91	0	61	152
4200-4458	White	148	0	111	259
4501-4505	Williamson	5	0	0	5
	Total	851	3	635	1,489

TABLE 11. Waterflood operations

GENERAL INFORMATION				PRODUCTION AND INJECTION STATISTICS (M BBL)			
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER	OIL	WATER	
PROJECT NO., OPERATOR	U = UNIT		S = T = R	INJECTION	PRODUCTION	PRODUCTION	
* * * ADD				TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	
* * * P.M.				1980 * 12/80	1980 * 12/80	1980 * 12/80	
AB LAKE W, GALLATIN							
1417 COY OIL CO	AB LAKE WEST UNIT	WALTERSBURG	30,31-88-10E	1091	184	526*	
*1421 COY OIL CO	AB LAKE WEST UNIT	AUX VASES	30,31-88-10E	219	"	"	
1452 PAUL S, KNIGHT	GOLDEN=CONN	WALTERSBURG	29,31,32-88-10E	400	70*	400*	
ADEN C, HAMILTON, WAYNE							
4150 FAIRFIELD OIL CO	SW FAIRFIELD UNIT	AUX VASES	22-28-7E	8	1652	138	806
4181 THE MC COUN CO,	NORTH ADEN UNIT	AUX VASES	20,38,33-29-7E	600*	2295*	14,9*	600** 2295*
		MCCLOSKEY	4,5,8-38-7E		18660**		
4101 TEXACO, INC.	ADEN SOUTH	AUX VASES	8,9,16,17,20-38-7E	6138		1050	8418
*4102 TEXACO, INC.	ADEN SOUTH	MCCLOSKEY	8,9,16,17,20-38-7E	6506		660	"
ADEN S, HAMILTON							
*1921 M. WEINERT EST.	SOUTH ADEN UNIT	AUX VASES	29,30-38-7E	2477		176	
		SPAR HTN					
		MCCLOSKEY					
AKIN, FRANKLIN							
*1310 C. E. BREHM	LARIO TRUSTEE A U	AUX VASES	36-68-4E	109		"	
1311 C. E. BREHM	AKIN SE U	AUX VASES	25-68-4E	6	2347*	0,5	261
1317 C. E. BREHM	U S COAL & COKE	CYPRESS	23-68-4E	129		42	6 2347
1321 C. E. BREHM	U S STEEL	AUX VASES	26-68-4E	5	609*	0,7	139
1327 FARRAR OIL CO,	AKIN UNIT	AUX VASES	35-68-4E	360		68	5 304*
							148
ALBION C, EDWARDS, WHITE							
1001 ACHE CABING	SOUTH ALBION U BIEHL	BIEHL	1,2-38-10E	70*	3690*	5,4	529
*1011 ACHE CABING	S ALBION L BIEHL U	BIEHL	1-38-10E,39,36-28-10E		3226		704
1002 NICK BABARE	H,WICK	BRIDGEPORT	24-28-10E	70*	2620*	2,4	163
		WALTERSBURG					70* 2307*
		OHARA					
1020 C. E. BREHM	MICHAELS	BIEHL	11-38-10E	"	"	5,0	148
*4201 CONCHO PET. CO.	NORTH CROSSVILLE UNIT	CYPRESS	27,34,39-38-10E		3620		313
*4202 CONCHO PET. CO.	N CROSSVILLE U	TAR SPRINGS	34,35-38-10E		864		58
*1014 CONTINENTAL OIL	STAFFORD	MCCLOSKEY	13-28-10E		625		43
1038 DELTA OIL CORP.	HORTON=WORKS	MCCLOSKEY	13-28-10E		2000		126**
1015 FIRST NATL PET	BROWN	AUX VASES	6-28-11E		120		14**
1006 GETTY OIL CO	SW ALBION BIEHL SD U	BIEHL	2,11,14-38-10E	483	22631	17,1	1761
*1026 JAM OIL CO	MAXWELL=HOSSBARGER	BETHEL	15-38-10E		569		40
4200 MOBIL OIL CORP.	BIEHL U 1	BIEHL	22,23-38-10E	93	10050	3,4	1363
4308 MOBIL OIL CORP.	W GRAYVILLE U	BETHEL	23-38-10E	101	3089	4,9	423
		AUX VASES					
1005 BERNARD PODOLSKY	ALBION E U	AUX VASES	1-28-10E,6-28-11E	25	2284	1,0	201
1035 RK PET. CORP.	RK EAST ALBION UNIT	AUX VASES	6-28-11E, 1-28-10E	20*	1659*	2,0	119
1000 REBSTOCK OIL CO.	BIEHL U 2	BIEHL	14-38-10E		4194		610*
*1018 REBSTOCK OIL CO.	EAST ALBION UNIT	AUX VASES	36,18-10E, 31-19-11E		1756		198
4321 J. W. RUDY DRLG.	ROBINSON	TAR SPRINGS	23-38-10E	20*	239*	1,8	17
		BETHEL					20* 193*
4434 J. W. RUDY DRLG.	GRIEBBAUM	CYPRESS	26-38-10E	70*	442*	4,1	35
		BETHEL					70* 438*
		AUX VASES					
1012 SABER OIL CO	BUNTING LSE	OHARA	12-28-10E	80*	1415*	4,7	162*
1033 SABER OIL CO	ALBION U	AUX VASES	12-28-10E,17,18-28-11E	100*	3418*	7,2	372
		OHARA					80* 1415*
1037 SO, TRIANGLE CO.	SOUTH ALBION WF	BETHEL	24,25-28-10E	40	1376*	6,4	109
1003 SUPERIOR OIL CO.	30,31-28-11E SRPU 1	BIEHL	25,36-28-10E	434	14800	9,8	2437
		WALTERSBURG	30,31-28-11E				363
1004 SUPERIOR OIL CO.	SOUTH ALBION UNIT 2	MANFIELD	1,2,11,12-38-10E	154	4874	20,4*	2104*
		BRIDGEPORT		513	9290		641*
		BIEHL		103	6957		19267*
		WALTERSBURG			2305		
		AUX VASES			1328		
1032 SUPERIOR OIL CO.	WORKS UNIT	WALTERSBURG	10,19-28-11E	72	1105	8,6*	153*
		BETHEL		72	332*		245*
		AUX VASES			39		1302*
1036 SUPERIOR OIL CO.	WILLET	MCCLOSKEY		213	794*		
*1030 TEXACO, INC.	BARNES EAST	WALTERSBURG	30-28-11E	2	180	4,3	587
1039 TEXACO, INC.	G.WORKS	WALTERSBURG	24-28-10E		544*		33
		BETHEL	13-28-10E	80	1835	4,9	126
		AUX VASES					80 1835
		MCCLOSKEY					
4353 P. D. WALL	GRAYVILLE WEST U	CYPRESS	22-38-10E	7	219		61*
1031 WARRIOR OIL CO.	E,ALBION WALT,SAND U.	WALTERSBURG	31-18-14W, 6-28-14W	7	9883	0,8	759
							3 2585
ALBION EAST, EDWARDS							
1040 ZANETIS OIL PROP	ALBION EAST	CYPRESS	28-28-14W	168	1339	40,8	390
		BETHEL					168* 1300*
		OHARA					
ALLENDALE, LAWRENCE, WABAOSH							
3969 ASHLAND O AND R	FRIENDSVILLE CUOP	BIEHL	30-1N-12W	"	4970*	2,6	325
3902 BEULIGHMANN ET AL	PRICE=ROBINSON	BIEHL	14-1N-12W	84	597*	1,8	41
3865 JOHN BLEDSOE, JR	HOVERHALE	BETHEL	36-2N-12W		64		39*
*3848 CHARLES E. CARR	NAYLOR=ROBSON=PAYNE	BIEHL	8-1N-12W		1000**		2*
*3847 G. S. ENGLE	PATTON COOP	CYPRESS	28-1N-12W		1000**		200**
3971 T. W. GEORGE EST.	YOUNG WF	BETHEL	1-1N-12W		208		180**
*3990 H AND H OIL CO	BUCHANAN	CYPRESS	33-1N-12W		367		44
*3900 CECIL A. HAMMAN	GILLIATT=ALKA	BIEHL	13-1N-12W		2735		244
3836 HOCKING OIL	JOHN SCHAFER	ST,LOUIS	15-1N-12W	10	11	3,4	4
*3869 ILLINOIS OIL CO.	FRENCH ET AL	BIEHL	32-2N-12W		39		10
3899 ILLINOIS OIL CO.	PRICE HEIRS	BRIDGEPORT	2-1N-12W	"	228**		18*
3906 ILLINOIS OIL CO.	YOUNG	BIEHL	1-1N-12W		4547		205**
*3944 IND. FARM BUR.	WOODS 'C'	BIEHL	20-1N-12W		633		45
*3992 IND. FARM BUR.	KEYSER 'B'	BIEHL	13-1N-12W		303		20
3898 JACK KENEIPP	HERSHEY=COGAN	BIEHL	35-2N-12W		9*		"
		CYPRESS		20*	740*	1,2	79*
3966 JACK KENEIPP	COGAN	BIEHL	35-2N-12W	19*	1117*	1,4*	203*
3999 JACK KENEIPP	WALSER	CYPRESS		10	309*		25**
		TAR SPRINGS	2-1N-12W		26		9
							6

in Illinois, 1980

RESERVOIR STATISTICS (AV. VALUE) DEVELOPMENT AS OF 12-31-80 INJECTION WATER												

FIELD, COUNTY	NO. OF WELLS	ACRES	SOURCE	TYPE								
PROJ. NO.	DEPTH (FT)	NET PAY (PT)	POR (%)	PERMA (MD)	OIL GRAV (API)	DATE FIRST INJ.	DATE ADD. INJ.	NO. PROD. INJ.	ACRES UNDER PROD.	SD=SHALLOW	REMARKS	

AS LAKE W, GALLATIN												
*1417	2085	17.0	16.3	20	36.9	07-59	06-64	6	9	100	SH GRAY, PENN SD (F)	*INCL 1421
*1421	2790	10.0	16.3	27	37.1	07-59	06-64	1	2	30	SH GRAY, PENN SD (F)	*INCL WITH 1417
*1452	2000	15.0				05-64	12-71	2	5	90	PRODUCED (B)	*ESTIMATED
ADEN C, HAMILTON, HAYNE												
4150	3250	9.0	21.0	156	40.0	02-62		1	2	100	PENN SD, PROD (B)	
4181	3190	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
*4101	3200	10.0	22.0	150	37.0	08-46	03-66	12	12	640	PRODUCED (B)	*INCL 4102
*4102	3350	3.6			37.0	08-46	03-66	11	5	640	PRODUCED (B)	*INCL WITH 4101
ADEN B, HAMILTON												
*1521	3245	21.0				03-64	04-70	4	10	150	PENN SD, PROD (B)	
	3335	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.F.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	15.0	13.0	90	34.0	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;RESUMED 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												
1001	2075	18.0	20.0	200	33.4	12-55		2	7	110	PRODUCED (B)	*ESTIMATED SINCE 1967
*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		
	2055	8.0				6-56		1	3	30		*EST.+ADJ.TU PROJ 1006 SINCE 56
*4201	2850	12.0	18.0		37.0	10-52	12-58	8	21	250	RIVER, PROD (M)	
*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	HARDINBURG (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	06-48		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)	
1035	3010	18.3				10-66		4	3	70	CITY WATER (F)	*ESTIMATED SINCE 1977
*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	15.0	17.3	35	39.0	02-66		7	10	200	PENN SD, PROD (B)	*ESTIMATED SINCE 1973
	3060	13.0						3	9	120		
1037	3000	8.0	15.0	13	36.0	02-72		4	3	240	PENN SAND (B)	*ESTIMATED 1972-1979
1003	2085	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	4	90	GRAVEL BED, PROD (M)	*INCL ALL PAYS
	1870	12.2	20.2			08-56		1	4	20		
	2050	15.8	18.2	338		08-56		1	4	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	3	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				1	5	20		
	3040	5.0	15.8	53			01-68	1	3	50		
	3068	8.0	14.2	3003				3	6	20	PRODUCED (B)	
1036	2400	8.5	19.2	209	38.0	10-65		1	10	222	SH SD (F)	
*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		1	2	40	PRODUCED (B)	
	3041	18.0	16.7	193								
	3110	33.0	15.0	208								
*4393	2850	12.0	17.0	50	38.0	05-62	01-71	4	5	225	BIHL, PROD (B)	*ESTIMATED SINCE 1968
1031	2250	11.2	20.6	167	36.0	10-65		1	3	132	GRAV, 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, HANBAM												
3969	1600	15.0	14.2	335	33.0	10-60		2	2	100	PRODUCED (B)	*INJ DISC 12-78;SHD ONLY
3902	1472	10.0	17.0		35.0	12-65		2	2	40	SH SD, PROD (M)	*ESTIMATED 76 THRU 79
*3865	1948	30.0	18.7	77	36.4	02-65	01-72	1	1	20	SH SD, PROD (M)	*NO DATA 1966-69; INACTIVE 70-71
*3848	1520	7.0				7-64	12-76	4	6	100	PRODUCED (B)	*EST.+NO DATA RECEIVED
*3847	2020	13.0				7-53	6-59	4	5	90	FRESH PROD (M)	*EST.+NO DATA RECEIVED
*3971	2020	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	1375	8.0	17.0	40	36.0	05-65	01-70	1	1	10	SH SD (F)	
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	1520	15.0			28.4	11-83	06-57	5	7	147	PRODUCED (B)	
*3992	1450	9.0			37.0	07-59	10-66	1	2	60	SH SD, PROD (M)	*INCL WITH 3968
3898	1388	12.0				10-61	01-72	1	1	10	SH SD, PROD (M)	*ESTIMATE; *INCL BOTH PAYS
	1920	18.0				07-62		1	1	20		
3966	1360	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 BBL)					
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.
* # ADD							1980 * 12/80	1980 * 12/80	1980 * 12/80
* # P.H.									
ALLENDALE, LAWRENCE, WABASH									
CONTINUED									
*3992 L AND M DRILLING	STANLEY PRICE	BIEHL	19=1N=12W		887			167	
3905 HERMAN LOEB	ALLENDALE(FLOOD 19)	BIEHL	3,4,9,10=1N=12W	300*	39359*	18.4	2154		348
		JORDAN							
3671 D. LOEFFLER ESTATE,	FRIENDSVILLE EAST U.	BIEHL	10,19=1N=12W	250*	2539*	7.4	507	290*	2088*
		BIEHL	13,24=1N=13W						
3883 D. LOEFFLER ESTATE,	G.D.ADAMS COOP	CYPRESS	16=1N=12W	15*	719*	0.8	71	15*	597*
		BETHEL							
3901 D. LOEFFLER ESTATE,	CLARK, BARTH, PINNICK	YAR SPRINGS	23,36=2N=12W	10*	328*	0.4	29	10*	213*
3951 D. LOEFFLER ESTATE,	ALLENDALE WEST U	BIEHL	8=1N=12W	15*	5245*	0.6	530	13*	3554*
3996 D. LOEFFLER ESTATE,	SPARKS=PETER UNIT	BIEHL	36=2N=12W	50*	1352*	0.7	80	50*	1390*
3909 R & G CORP.	ALLENDALE U	BIEHL	3=1N=12W	*	5273*	*	285*	*	4204*
		JORDAN							
3911 C.A.ROBINSON	MADDEN	BIEHL	6,7=1N=11W		588**		14*		300**
3964 ROYALCO, INC.	ALLENDALE U	BETHEL	13=1N=12W		4764		313		1544
*3993 ROYALCO, INC.	STILLWELL COURTER U	WALTERSBURG	21,22=1N=12W		1625		341		653
		CYPRESS							
*3920 SKILES OIL CORP.	YELTON=KERZAN	BIEHL	5=1N=12W		*		53		73
2231 WAYNE SMITH, OP.	SAND BARREN UNIT 1	BIEHL	26=2N=12W	39	3864	1.7	399	37	3465
		JORDAN							
2232 WAYNE SMITH, OP.	SAND BARREN UNIT 2	BIEHL	23,26=2N=12W	1	798	7.8	205	5	347
*3903 WAYNE SMITH, OP.	TAYLOR=WHEATLEY	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 SO. TRIANGLE CO.	STOLTZ U	BIEHL	25=1N=12W	65*	718*	6.1	97	65*	535*
3904 TANARACK PET.	PATTON C	CYPRESS	28=1N=12W		644		90*		147*
2201 TRIPLE B OIL CO	MENSHY U	BETHEL	27,34,35=2N=12W		1325		94*		537*
3888 UNIVERSAL OPRYNG	LITHELAND=SMITH UNIT	BIEHL	5=1N=12W	4	1677	0.8	135	4*	1133*
3973 UNIVERSAL OPRYNG	SOUTH ALLENDALE	BIEHL	19=1N=12W		845		38		247*
		JORDAN							
3860 ZANETIS OIL PROP	HAHF	CYPRESS	13=1N=12W		151		25*		151*
		JORDAN							
ASHLEY, WASHINGTON									
4023 N. A. BALDRIDGE	ASHLEY	BENOIST	32,33=28=1W	145*	4250*	8.4	272	145*	4250*
		BENOIST							
ASHLEY E, WASHINGTON									
4022 N. A. BALDRIDGE	ASHLEY EAST	BENOIST	25,26=28=1W	25*	930*	1.1	57	25*	930*
		BENOIST							
ASSUMPTION C, CHRISTIAN									
104 FEAR AND DUNCAN	ASSUMPTION WFU	LINGLE	17,20=13N=1E	200*	2189*	9.2	165	200*	1911*
100 JUNIPER PETROLEUM C	BENOIST	LINGLE	3,4,9,10=13N=1E	146	8727	6.7	1476	188	3651
101 JUNIPER PETROLEUM C	DEVONIAN	LINGLE	3,4,9,10,13,16=13N=1E	769	29869	21.4	2124	554	10162
102 JUNIPER PETROLEUM C	ROBICLARE	SPAR MTN	9,10=13N=1E	132	5415	2.6	1106	76	5062
105 J. W. RUDY DRG.	PEABODY=RIDGE	LINGLE	16=13N=1E	80*	1590*	6.2	181	80*	1087*
		LINGLE							
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*	1.4	134	9	522
4171 BERNARD PODOLSKY	CALDWELL UNIT	AUX VASES	34=28=8E	*	1883*	0.5	96	1	1058
*4199 SAM TIPPS	BOZE U	AUX VASES	28,33,34=28=8E		319		38		
4129 WAYNE DEV	WALTER	MCCLOSKEY	26=28=8E		144		21		119
*4104 WILLETS AND PAUL	BARNHILL UNIT	AUX VASES	27,28=28=8E		4090		491		1880
*4105 WILLETS AND PAUL	BARNHILL UNIT	OHARA	27=28=8E		53		7		2
		OHARA							
BARTELSO, CLINTON									
402 ED KAPES	M.S. WOODARD, TRUSTEE	CYPRESS	5,8=1N=3W	100*	2871*	5.2	484	100*	3120*
* 400 T. R. KERWIN	BELLE OIL	CYPRESS	4=1N=3W		978		135*		187
* 401 ROBSEN OIL CO.	ROBSEN OIL UNIT	CYPRESS	4=1N=3W		3100		639*		1621
		CYPRESS							
BEAUCOUP, WASHINGTON									
4013 COLLINS BROS.	BEAUCOUP UNIT	CLEAR CREEK	9,10=28=2W	230*	1661	2.6	21	45*	762
		CLEAR CREEK							
BEAUCOUP S, WASHINGTON									
4005 SHELL OIL CO.	BEAUCOUP S. UNIT	BENOIST	33,34=28=2W	152	10540	5.1	446	270	9297
4008 GEORGE THOMPSON	GILBERT	BENOIST	34=28=2W	8*	171*	0.4*	41*	8*	171*
		BENOIST							
BEAVER CREEK, BOND, CLINTON									
* 1 T. M. CONREY, JR	WRONE C	BENOIST	36=4N=3W		106		23		
2 K W B OIL PROP, MGMT JACOBS		BENOIST	31=4N=2W	31	409	1.4	20	31	398
		BENOIST							
BEAVER CREEK S, BOND, CLINTON									
415 NICK BABARE	MORD	BENOIST	5=3N=2W	*	*	0.1	20		
405 T. M. CONREY, JR	R=K=R=8	BENOIST	12,13,14=3N=3W	150*	2627*	9.2	302	150*	2591*
		BENOIST							
BELLAIR, CRAWFORD, JASPER									
600 BELLAIR OIL	BELLAIR	PENNSYLVNIN	2,11,12=8N=14W	50*	32123*	2.0	906	50*	7805**
601 BELLAIR OIL	FULTON (BELLAIR)	PENNSYLVNIN	1,2,11,12=8N=14W	275*	62945*	11.3	1653	275*	35227*
* 666 WAUSAU PET. CORP	GRANT	CYPRESS	13=8N=14W		1343		161		380
		CYPRESS							
BELLE PRAIRIE, HAMILTON									
1377 CARL BUSBY	HLBK, SHPRD, LEACH, BONA	MCCLOSKEY	1,2,11=48=6E	*	620	7.0*	140*	*	560
		MCCLOSKEY							
BEHAN, LAWRENCE									
*2245 E. L. WHITHER	DECATUR INVESTMENT	STE GEN	23,24=3N=11W		683		40		400
2287 ZANETIS OIL PROP	ALEXANDER	STE GEN	23=3N=11W	61	674	2.2	25	61*	641*
		STE GEN							
BENTON, FRANKLIN									
1300 SHELL OIL CO.	BENTON U	YAR SPRINGS	23,24,25,26,35,36=68=2E	780	220826	23.5	19707	1010	169770
		YAR SPRINGS	27, 18,30,31=68=3E						
1314 SHELL OIL CO.	SHELL=BENTON DEEP	AUX VASES	25,36=68=2E	548	10660	13.3	1673	295	6316
		OHARA							
		MCCLOSKEY							
BENTON N, FRANKLIN									
*1328 FARRAR OIL CO.	BENTON NORTH UNIT	BETHEL	25,35,36=58=2E		3458		740		1855
		AUX VASES							
		OHARA							

in Illinois, 1980—continued

***** RESERVOIR STATISTICS (AV. VALUE) ***** DEVELOPMENT AS OF 12-31-80 ***** INJECTION WATER *****												
***** FIELD, COUNTY *****												
PROJ.	DEPTH	NET	POR	PERM	OIL	DATE	DATE	NO. OF	ACRES	SOURCE	TYPE	REMARKS
NO.	(FT)	PAY	(%)	(MD)	(API)	FIRST	ADD.	WELLS	UNDER	SD=SAND	(F)FRESH	
		(FT)				INJ.		INJ.	INJ.	GR=GRAVEL	(B)BRINE	
								INJ.	PROD.	PROD=PRODUCED	(M)MIXED	
										SH=SHALLOW		
ALLEDALE, LAWRENCE, WABASH												
CONTINUED												
*3952	1520	20.0	18.0	450	33.0	11-54	01-60	1	3	40	SH WELL (F)	
3905	1465	15.0	17.7	390	35.7	06-55		21	18	307	GRAVEL BED (F)	*ESTIMATED SINCE 1971
	1495	15.0	14.9	100								
3871	1520	20.0	19.0	200	35.0	06-64		3	8	100	SH SD (F)	*ESTIMATED SINCE 1972
3883	1996	10.0			37.0	09-64		1	3	40	SH SD, PROD (M)	*ESTIMATED SINCE 1972
	2110	10.0						1	3	40		
3901	1900	10.0	16.0	40	33.0	08-66		1	2	30	SH WELL (F)	*ESTIMATED SINCE 1972
3951	1900	20.0	17.8	490	35.0	03-58		4	3	80	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
3909	1500	18.0	19.0	1400	34.0	09-53		3	3	40	TAR SPGS, PROD (B)	*INJ IN LINE WELLS SINCE 1969; *NO DATA SINCE 78
	1938	14.0										*EST. +OP. SUSP. 1970, NO DATA
3911	1450	20.0	18.0			10-66		3	6	153	SH SD (F)	*INCL 3992
*3964	2120	20.0	20.1	115	36.5	07-59	12-69	10	14	180	PRODUCED (B)	
*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	2	20		*ADJ TO ACTIVE WF
2231	1300	18.0			34.0	09-57		10	7	75	SURFACE, PROD (M)	
	1340	8.0										
2232	1280	20.0			33.0	06-56		3	10	65	SURFACE, PROD (M)	
*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	130	32.5	01-69		2	2	60	SH GRAVEL (F)	*ESTIMATED
*3964	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 (B)	*ESTIMATED SINCE 1968
3868	1500	15.0			37.0	04-65		1	3	60	PENN SD, PROD (B)	*ESTIMATED
*3973	1460	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
*3860	2039	7.0			36.2	06-68	12-77	2	2	30	PRODUCED (B)	*ESTIMATED SINCE 1976
ASHLEY, WASHINGTON												
4023	1440	7.0				11-56		4	14	180	PRODUCED (B)	*ESTIMATED
ASHLEY E, WASHINGTON												
4022	1650	8.0				07-69		2	4	60	PRODUCED (B)	*ESTIMATED
ASSUMPTION C, CHRISTIAN												
104	2329	20.0			40.0	06-66		2	8	200	PRODUCED (B)	*ESTIMATED SINCE 1970
100	1050	13.0	19.0	100	38.0	07-50		2	9	350	PRODUCED (B)	
101	2300	13.0	12.0	50	40.0	09-55		14	21	1000	PRODUCED (B)	
102	1150	12.0	22.0	561	39.5	06-55		2	4	240	PRODUCED (B)	
105	2290	15.0			42.3	11-67		6	8	280	PRODUCED (B)	*ESTIMATED SINCE 1976
BARNHILL, WAYNE, WHITE												
*4103	3350	9.0			39.0	01-51	03-63	10	22	260	CYPRESS (B)	*TEMP SHUT-DOWN 3-72
4170	3300	14.0			38.2	10-63		4	4	120	PENN SD (B)	*INJ. CURTAILED 10-75
4171	3560	15.0			36.9	10-63		5	4	200	PENN SD (B)	
*4199	3328	25.0				11-63	12-70	2	4	70	PENN SD, PROD (B)	
*4129	3450	18.0				12-50	01-55	1	2	40	CYPRESS (B)	*INCL PRIM PROD
*4164	3250	14.0	18.7	42	38.0	10-56	12-66	12	10	230	PENN SD, PROD (B)	
*4105	3323	8.0	20.1	108	39.0	10-56	12-59	2	6	40	PENN SD, PROD (B)	
BARTELSO, CLINTON												
402	970	18.0	21.0	210	38.0	01-54		5	3	80	PRODUCED (B)	*ESTIMATED
* 400	970	15.0	22.2	165	37.0	04-52	01-63*	5	5	40	TAR SPRINGS (B)	*ESTIMATED
* 401	980	12.0	20.0	110	36.9	11-53	01-63*	12	19	200	BETHEL, PROD (B)	*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	6.0	19.0	240	36.0	11-60		7	10	230	PENN SD, PROD (B)	*EST SINCE 1970 +INCL PRIM PROD
4008	1445	6.0	17.5	111	36.0	01-55		1	1	27	PRODUCED (B)	
BEAVER CREEK, BOND, CLINTON												
* 1	1140	8.0	20.7	208	37.4	07-53	12-61	1	4	40	PROD (B)	
2	1100	10.0	20.0	110		06-68		1	1	10	PRODUCED (B)	
BEAVER CREEK S, BOND, CLINTON												
415	1180	12.0			33.0	08-69		1	4	40	CYPRESS, PENN (B)	*DUMP FLOOD
405	1110	8.0			34.0	01-56		3	11	140	PRODUCED (B)	*ESTIMATED
BELLAIR, CRAWFORD, JASPER												
600	600	38.0	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 (B)	*INJ. DISC. +INCL. PRIM SINCE 70
BEHAN, LAWRENCE												
*2248	1850	10.0				09-63	10-67	4	7	200	PRODUCED (B)	
2287	1850	5.0				10-68		2	2	80	PRODUCED (B)	*ESTIMATED
BENTON, FRANKLIN												
1300	2100	35.0	19.0	165	37.5	11-49		24	20	2200	LAKE, PROD (M)	
1314	2760	17.0	18.2		39.0	05-62		9	6	550	CYPRESS, PROD (M)	
	2810	7.0								7		
	2890	12.0								6		
BENTON N, FRANKLIN												
*1328	2550	8.0				02-66	04-71	6	9	140	DEGONIA, PROD (B)	
	2660	12.0						6	9	140		
	2730	5.0						4	4	90		

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				
* * * A B D				* TOTAL * CUM,	* TOTAL * CUM,	* TOTAL * CUM,	
* * * P. M.				* 1980 * 12/80 *	* 1980 * 12/80 *	* 1980 * 12/80 *	
BENTON N, FRANKLIN CONTINUED							
*1328 FARRAR OIL CO.	BENTON NORTH	MCCLOSKEY	PAINT CREEK 36-58-2E	+	1241**	+	113*
1332 H & H OIL CO							700**
1326 SHAKESPEARE OIL	NORTH BENTON UNIT		PAINT CREEK 1-66-2E		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
1024 RK PET. CORP.	H SALEM WPU	SPAR MTN	9-1N-14W	51	1717	3.3	412
							51
							724
BLACKLAND, CHRISTIAN, MACON							
*2300 FEAR AND DUNCAN	DAMERY C	SILURIAN	5-13N-1E		6		4
BONE GAP C, EDWARDS							
1013 R. B. CANTRELL	BONE GAP UNIT	WALTERSBURG	18-18-14W	70	3093*	4.0	591
1034 BERNARD PODOLSKY	BONE GAP SOUTH U	CYPRESS	19-18-14W	43	575	2.5	38
							70*
							3093*
							242
BOULDER, CLINTON							
* 411 TEXACO, INC.	BOULDER BENOIST 3D U	BENOIST	2-2N-2W, 35, 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*	58949**	7.2	4343
		AUX VASES	13, 24, 25-18-1E		18628*		200*
							47399*
BROWN, MARION							
2615 DONALD G. GEARY	LEONARD-LANCASTER	CYPRESS	16-1N-1E	22	487	2.5	31
							11
							244
BROWNS, EDWARDS, WABASH							
3050 GALLAGHER DRILLING	SCHONAHAN WF	OHARA	3, 10-28-14W	39*	679*	12.1	374*
1021 SUPERIOR OIL CO.	BROWNS U CYP-BETHEL	CYPRESS	28, 33-18-14W	16	2608	6.9	439
		BETHEL			1141*		154
		TAR SPRINGS	33-18-14W	50*	1512*	2.4	86
		CYPRESS					50*
							1131*
BROWNS E, WABASH							
3912 T. W. GEORGE EST.	BELLMONT WF ASSOC	CYPRESS	1, 2, 11, 12-28-14W		3009		905
*3914 T. W. GEORGE EST.	SOUTH BELLMONT	CYPRESS	11, 14-28-14W		276		18
3950 T. W. GEORGE EST.	MORRIS-BELLMONT	CYPRESS	11-28-14W	100	1307	1.5	144
3913 MOBIL OIL CORP.	BELLMONT	CYPRESS	2, 11-28-14W		822		582
							10
							536*
							268
BUNGAY C, HAMILTON							
*1354 ALENE BLADES	HAYES	AUX VASES	13-48-7E		488		41
1374 C. E. BREHM	BUNGAY	AUX VASES	13, 16-48-7E	100*	6385*	6.8	710
1350 COLLINS BROS.	SOUTH BUNGAY UNIT	RENAULT	34, 35-48-7E	100*	5669*	2.3	343
1358 COLLINS BROS.	NORTH BUNGAY	RENAULT	13, 14, 23, 24-48-7E	40*	6020*	1.0	510
		AUX VASES					40*
		AUX VASES					180
		AUX VASES					6385*
		AUX VASES					3803*
		AUX VASES					3448*
		AUX VASES					1940*
		AUX VASES					1404
		AUX VASES					426
		AUX VASES					986*
		AUX VASES					198*
		AUX VASES					8487**
		AUX VASES					2457
		AUX VASES					707
CALHOUN C, RICHLAND, WAYNE							
*3400 ASHLAND O AND R	CALHOUN	MCCLOSKEY	7, 18-2N-10E, 13-2N-9E		3032		157
3401 SAM TIPPS	BOHLANDER UNIT	MCCLOSKEY	6, 7-2N-10E		2175		235*
3447 UNION OIL CALIF.	CALHOUN	MCCLOSKEY	12, 13, 24-2N-9E		6000		405*
							1681*
							6000*
CALHOUN E, RICHLAND							
3423 ALVA C. DAVIS	BLUNAKER	MCCLOSKEY	7-28-11E		93		1*
							4*
CALHOUN S, EDWARDS, RICHLAND, WAYNE							
4086 ZANETIS OIL PROP	RUTGER	MCCLOSKEY	1, 2-1N-9E	50	377	8.0	172
							50*
							376*
CARLYLE N, CLINTON							
407 T. M. CONREY, JR	KREITMEYER	BENOIST	23-3N-3W	50	1180*	3.1	106
							50*
							603*
CARMI, WHITE							
4402 ROYAL U AND G	NIEKAMP	MCCLOSKEY	26-58-9E	50*	308	2.8	87
							50*
							508
CARMI N, WHITE							
4443 NICK BABARE	GATES-REBSTOCK	AUX VASES	3, 4-58-9E	20*	1045*	2.1	79*
							20*
							809*
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	15*	459*	0.6	16
4267 D. B. LEON	CENTERVILLE E	SPAR MTN	12-48-9E				4
							4
CENTERVILLE E, WHITE							
4203 ABSHER OIL CO	E. CENTERVILLE UNIT	TAR SPRINGS	18-48-10E	50*	10368*	2.8	1029
		CYPRESS					50*
		BETHEL					8335*
		AUX VASES					
		TAR SPRINGS	7, 8, 17-48-10E	400*	26100*	18.3	2299
		HARDINSBURG					400*
		CYPRESS					19275*

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. *
* * * * * *	* * * * * *	* * * * * *	* * * * * *	* * * * * *	* * * * * *	* * * * * *	* 1980 * 12/80 *	* 1980 * 12/80 *	* 1980 * 12/80 *
CENTERVILLE E, WHITE CONTINUED									
4379 ADBHER OIL CO									
		BETHEL							
		AUX VASES							
		MCCLOSKEY							
4394 ADBHER OIL CO	JONES-BAIRD	CYPRESS	7-48-10E	20*	1319*	0.9	138	20*	1194*
4376 NICK BABARE	JONES ESTATE	YAR SPRINGS	7-48-10E	25*	1249*	1.1	182	25*	377*
4246 SUN OIL CO.	E. CENTERVILLE	YAR SPRINGS	7-48-10E		269		39		132
CENTRAL CITY, MARION									
2823 WILLIAM PFEPPER									
	PFEPPER U	PENNSYLVNIN	8-1N-1E	25*	402*	1.3	29	25*	402*
CENTRALIA, CLINTON, MARION									
419 KARCHMER PIPE									
	KARCHMER-TRENTON	TRENTON	1,2-1N-1W,26,27,34,35	20*	3785	20.4	555	20*	1786*
			38-2N-1W						
			35-2N-1W		880*		98*		880*
403 W. O. MORGAN	CENTRALIA FIELD	BENOIST	1-1N-1W	425*	1908*	14.5	265	425*	1508*
420 HUBERT ROBE	BUENLER COMM	DEVONIAN		20*	1187*	0.6	74	20*	1350*
412 FRED SEIP	ROTHMEYER, BUENLER, COE	CYPRESS	13-1N-1W	90*	988*	4.0	82	90*	1871*
416 FRED SEIP	HEFTER HR8	BENOIST	1,2,12-1N-1W,		930	29.6	11275	1145	108654
404 SHELL OIL CO.	CENTRALIA U	CYPRESS							
		BENOIST	35,36-2N-1W						
		TRENTON	35-2N-1W		236		34		21
408 SOHIO PETROLEUM	COPPLE TRENTON								
CHESTERTVILLE E, DOUGLAS									
801 ROYALCO, INC.									
	ARCOLA UNIT	SPAR MTN	5,6-14N-8E, 31-15N-8E		6471		1130		1977
CLARKSBURG, SHELBY									
3803 SCHAEFER OIL CO.									
	CLARKSBURG	BENOIST	8,17-10N-4E		10*		4*		10*
CLAY CITY C, CLAY, JASPER,									
1900 ASHLAND O AND R									
	ASHLAND O AND R	MCCLOSKEY	2,3,10-6N-10E		333		16		
3402 ASHLAND O AND R	NOBLE NORTH	MCCLOSKEY	35-4N-9E		318		8		
1928 ATHENE DEVEL	ROBERTS&BOWERS	MCCLOSKEY	5-5N-10E		*		91		450
3419 W. & P. BECKER	WAKEFIELD-HARRELL U	CYPRESS	28-4N-9E	50*	2783*	2.7	424	50*	2300*
362 C. E. BOOTH	STANFORD	AUX VASES	4-2N-7E		175		35		70
381 C. E. BOOTH	HURD & PETTIJOHN	AUX VASES	15,16-2N-7E		545*		32		540*
1915 C. E. BOOTH	DELLA HARVEY	SPAR MTN	12-5N-9E	30*	1028*	1.0	95	30*	484*
3405 C. E. BOOTH	S. NOBLE CONSUD	MCCLOSKEY	30,31-3N-9E,	10*	4027*	0.6	168	10*	1657*
			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	GBTN, SHS, MNHS, FSL, MCN	AUX VASES	24,25-18-6E	240	1785*	16.6	137	150	1643*
4107 CONTINENTAL OIL	WILSON "B"	SPAR MTN	15-18-8E		212		13		53
4073 COY OIL CO	EAST GEFF	AUX VASES	8,17-18-8E		581		32		18
4147 CULLUM OIL CO.	ROBERTSON-BING-CREWS	AUX VASES	27,28-18-8E	125*	3771*	7.1	257	125*	2200*
1913 DORAN OIL PROP.	BENGSDOWER	MCCLOSKEY	4-6N-10E		141		17		
4109 F AND W OIL CO.	HILLER-LAMBRICH U	OHARA	29-1N-8E		*		144		
		SPAR MTN							
		MCCLOSKEY							
4146 F AND W OIL CO.	MT. ERIE UNIT	AUX VASES	33,34,35-1N-8E	*	8541*	4.3	1096	40*	5134*
4174 FARRAR OIL CO.	MOLT	AUX VASES	29-1N-8E	80*	1519**	2.3	160*	70*	616**
		MCCLOSKEY							
4156 FRMERS PETH COOP	BEARD, BORAH, WILSON U	AUX VASES	10-18-8E	5	815*	1.1	384	5	232*
1927 FINKS OIL CO.	ROUTE 33	MCCLOSKEY	27,28,34-7N-10E	120*	2230*	7.7	137	120*	2230*
4111 GALLAGHER DRILLING	M.OSTERMAN	AUX VASES	14,23-18-8E	350*	1294*	7.4*	64*	175*	838*
		OHARA							
		MCCLOSKEY							
4175 DONALD W. GESELL	NE GEFF UNIT	AUX VASES	7-18-8E	13	297*	3.6	57*	13	133*
4173 J. D. GORDON	BOTHWELL	MCCLOSKEY	24-2N-7E	35*	844*	1.6*	103*	35*	835*
1906 GLEN GRIFFITH	WILLOW HILL COUP	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	WINONA	MCCLOSKEY	12-18-8E		25		300		
4094 ILL. L&E, OP.	BLACKBURN	AUX VASES	3-18-8E		47		6		10
4141 ILL. L&E, OP.	HILL, THOMPSON, GRAN,	AUX VASES	27-2N-7E		610		36		235
4197 ILL. L&E, OP.	BORAH	AUX VASES	4-18-8E		15*		61		99
4198 ILL. L&E, OP.	J. D. VURDULAS	OHARA	2-18-7E		205*		41*		230*
4184 ILL. MIDCONT.	CREWS-SHORT COOP	AUX VASES	33,34-18-8E		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;3-6N-10E	+	1140*	+	80*	+	882*
		ST LOUIS							
4057 E. K. LEWIS	OLLIE GROVE	MCCLOSKEY	27-1N-8E	10*	277*	0.9	51*	10*	277*
4056 DAE V LOVE	AYRES	SPAR MTN	8-18-7E	+	+	6.3	95	30*	460*
4140 DAE V LOVE	BARNARD-HOLMAN-LISTON	AUX VASES	10-18-7E	30*	700*	2.1	95	30*	608*
3416 MARATHON OIL CO.	NOBLE COOP U	MCCLOSKEY	8-3N-9E		*		*		*
3421 MURVIN OIL CO.	WAKEFIELD POOL U	CYPRESS	24-4N-9E		2966**	1.5	487	30*	3389*
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				53*		250*
4060 MURVIN OIL CO.	PIKE	AUX VASES	14-18-7E	70*	1157*	3.3*	56*	70*	1157*
4092 NOAH PET	CREWS MIDDLE UNIT	AUX VASES	33-18-8E	150*	4050	2.9	173		
300 O'H AND F OIL CO	N CLAY CITY U	MCCLOSKEY	5,8-3N-8E		319*		154*		836*
372 PARTLOW, COCHNOR	HENDERSON & SKELTON	CYPRESS	17-2N-8E	100*	1645*	6.4	255	100*	1670*
		AUX VASES							
		SPAR MTN							
4069 PARTLOW, COCHNOR	HOSSELTON & GILL	CYPRESS	20-2N-8E	80*	1390*	3.5	169	80*	1440*
		SPAR MTN							
301 PHILLIPS PET, CO	MINNIE	SPAR MTN	24-3N-7E		181		79		460
3427 BERNARD PODOLSKY	COEN U	AUX VASES	36-5N-9E	21	274	1.5	43	*	*
3449 BERNARD PODOLSKY	CLARK-GRUBB-EVANS	CYPRESS	18-3N-9E	65*	905*	6.6	169*	63*	905*
4087 BERNARD PODOLSKY	W JEFFERSONVILLE	AUX VASES	15,16-18-7E	11	669	0.8	45	11	204
4149 BERNARD PODOLSKY	MARSHALL	AUX VASES	16-18-8E		640*	0.5	289		472
4159 BERNARD PODOLSKY	NW FAIRFIELD U	OHARA	26,35-18-7E	36	2790	6.8	366	15	479
4194 BERNARD PODOLSKY	GRAY	AUX VASES	16,21-18-8E	21	1553	1.9	103	6	662
4082 RAYMAC PETROLEUM CO.	CREWS-SHORT COUP	AUX VASES	33-18-8E	33	1379	1.9	176		
384 E & B REYNOLDS EST.	WEILER, EDENS, MOBLEY, DENART	CYPRESS	33,34-3N-8E		1005**	7.8	297		1005**
		AUX VASES							
		MCCLOSKEY							
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
4066 ROBINSON PROD.	GILL-BISSEY-SMITH	AUX VASES	24-2N-7E	90	400	6.1	92	90	400

in Illinois, 1980—continued

RESERVOIR STATISTICS (AV. VALUE)													DEVELOPMENT AS OF 12-31-80			INJECTION WATER		
FIELD, COUNTY	PERM OIL	DATE	DATE	NO. OF	SOURCE	TYPE	PROJ.	DEPTH	NET	POR	(MD) GRAV	FIRST	ABD.	UNDER	GR=GRAVEL	(B) BRINE	REMARKS	
* NO.	(FT)	(%)	(API)	INJ.	INJ.	PROD.	INJ.	PROD.	PRODUCED	(M) MIXED	SH=SHALLOW							
CENTERVILLE E, WHITE																		
CONTINUED																		
4379	2980	18.0	14.1				15	16	330									
	3080	19.6	19.6	109			15	15	350									
	3225	6.0					1	2	60									
4394	2910	19.0	14.4	109	36.6	10-63			100					PRODUCED (B)		*ESTIMATED		
4376	2500	16.0	15.7	21	35.4	09-63			40					PURCHASED (B)		*ESTIMATED		
*4246	2530	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	5	60				PRODUCED (B)		*ESTIMATED		
CENTRALIA, CLINTON, MARION																		
419	3950	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		90	50	1450				PENN. A V. DEV SOURCE?				
	1350	19.6	19.6	186						1560				CYP. BEN. PROD (B)				
* 408	3950	22.0	10.0		39.8	11-51	03-53	2	12	160				DEVONIAN (B)				
CHESTERTONVILLE E, DOUGLAS																		
* 801	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				06-66	01-79			80						*ADJ TO PROJ. 1922 SINCE 66?		
3419	2540	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		3	5	80				PRODUCED (B)		*DATA NOT AVAILABLE		
1915	2960	10.0	13.6		35.1	03-62		3	5	50				PENN SD, PROD (B)		*ESTIMATED SINCE 1968		
3405	2975	5.0	15.0	24		07-57		1	2	448				PRODUCED (B)		*ESTIMATED SINCE 1970		
*3403	2950	11.0			38.0	05-55	12-71	5	18	260				PRODUCED (B)		*NOT OPERATED 1968-1971		
* 380	2630	15.0				06-58	03-67	3	13	160				SH. SD. PROD. (M)		*ESTIMATED		
4064	3090	10.0				1-72		5	9	400				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 1965-68? +EST. SINCE 1976		
								1	3	40								
4156	3100	14.0			40.0	07-62		2	4	200				PENN SD (B)		*SHD SINCE 12-69		
1927	2950	23.0				06-69		1	8	110				PRODUCED (B)		*ESTIMATED		
4111	3050	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	19.0	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	08-66	1	3	40				PENN SD (B)		*NO DATA BEFORE 1965		
*4184	3150	15.0	14.0	40		12-63	05-74	3	3	60				PENN SD (B)		*ESTIMATED		
*4119	2900	5.0	19.0		38.0	01-55	05-62	4	15	400				PENN SD, PROD (B)				
	2650	15.0				08-70		4	12	280				CYP. SURFACE (M)		*INACT. 72-73? +NO DATA 1980		
	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*				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 SPRGS (B)		*INJ. TERMINATED 1973; +EST		
*4055	3025	15.0				8-63	8-69	5	8	150				PRODUCED (B)		*EST. +NO DATA		
*4058	3000	24.0				10-60	12-72			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	05-56	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)				
4149	3120	20.0			38.0	11-65		3	8	100				PURCHASED (F)		*INJECTION CURTAILED 10-73		
4159	3200	7.2	13.0	200	40.1	10-62		3	4	480				PENN SD (B)				
4194	3150	12.0			39.0	11-65		4	9	100				CYPRESS (B)				
4082	3100	21.0				04-67		1	4	70				PRODUCED (B)				
384	2600	20.0				06-61		1	11	120				PRODUCED (B)		*ESTIMATED +ADJ. TO PROJECTS 335 & 358 SINCE 1961; INCL SOME SALEM OIL		
	2910	11.0								20								
	2975	4.0								20								
*1901	2530	6.2	14.0		38.0	05-51	01-70	2	6	235				PRODUCED (B)				
*1902	2580	8.2	14.0		40.0	05-53	01-70	3	5	415	</							

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							
* ADD				TOTAL * CUM,	TOTAL * CUM,	TOTAL * CUM,				
* P.M.				1980 * 12/80	1980 * 12/80	1980 * 12/80				
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY										
CONTINUED										
4048	ROBINSON PROD.	RINKEL	AUX VASES	33,34=1N=8E	26	73	13.0	50	24	73
4067	ROBINSON PROD.	NE GEFF=MURPHY	AUX VASES	5,6=1S=8E	80	1013	7.9	131	28	238
				OHARA						
4068	ROBINSON PROD.	CARTER U	AUX VASES	28,29,32,33=1N=8E	44	286	16.4	68	27	51
*4084	ROBINSON PROD.	WESLEY FELLER	AUX VASES	7=1N=8E		368		83		408
4179	ROBINSON PROD.	MILLER & THACKER	AUX VASES	19=1S=8E	94	583	6.6	82*	50	301*
*4115	ROBINSON, PUCK.	N PUCKETT U	AUX VASES	9=2S=8E		966		122		
*4116	ROBINSON, PUCK.	S PUCKETT U 1	AUX VASES	16=2S=8E		4337		458		1798
1918	HUBERT ROBE	LIBERTY W UNIT	MCCLOSKEY	16,21=5N=10E		319		24*		28*
1930	HUBERT ROBE	MCCLANE=HAY	MCCLOSKEY	8,17=6N=10E	60*	983*	2.8	179*	60*	985*
1931	HUBERT ROBE	HATTINGLY	AUX VASES	5=3N=10E			2.0	60	20*	380*
				SALEM						
*3433	HUBERT ROBE	DUNDAS WEST UNIT	MCCLOSKEY	28,33=5N=10E		1384**		65**		170**
3436	HUBERT ROBE	SOUTH NOBLE UNIT	MCCLOSKEY	29,32=3N=9E	40*	2033*	0.7	140	40*	2032*
4188	HUBERT ROBE	SYCAMORE CONSOL	AUX VASES	22,23,24=2N=7E	140*	4173*	7.1	290	140*	2718*
				MCCLOSKEY						
* 347	J. W. RUDY DRLG.	ED WILSON	AUX VASES	32=3N=8E		235		44		41
* 363	J. W. RUDY DRLG.	CLARK LEASE	CYPRESS	20=3N=8E		62		7		32
4088	J. W. RUDY DRLG.	FLEXTER	AUX VASES	3=1N=7E	8*	554*	0.4	145	8*	381*
3444	FRED BEIP	R. S. SHATTO	MCCLOSKEY	20=3N=9E	85*	1614*	3.9	162	85*	1654*
3445	SHAKESPEARE OIL	RUNYON=TOTTEN U	SPAR MTN	25=3N=9E	53	644	2.7	36	28	364
*4117	SHAKESPEARE OIL	E. BANKER SCHOOL U	CYPRESS	22=2N=8E		801		219		587
*4118	SHAKESPEARE OIL	E. GEFF UNIT	AUX VASES	12,13=1S=7E, 17,18=1S=8E		9553		966		3900
4166	SHULMAN BROTHERS	W GEFF U	AUX VASES	28,33=1N=7E/3,4=1S=7E	75+	3686+	3.7	212*	75+	2367**
				OHARA		467				
				MCCLOSKEY		2900				
4177	SHULMAN BROTHERS	NE GEFF U	AUX VASES	1,11,12,13=1S=7E	50*	9929*	1.5	1316	50*	4690*
4196	JOE SIMPKINS OIL	HEISNER UNIT	AUX VASES	3=2S=8E,33,34=1S=8E		2344		239*		1033*
*3428	WAYNE SMITH, OP.	ONTON HILL U	AUX VASES	1,12=4N=9E, 36=5N=9E		5929		158		3127
				SPAR MTN		427**		22*		240*
4190	S. ILL. OIL PROD	SOUTH CISNE U	AUX VASES	27=1N=7E	20*	820*	0.9	94	20*	623*
*1907	H. M. SPICKLER	WILLOW HILL	MCCLOSKEY	36=7N=10E				2		
4047	TAMARACK PET.	ANDSN=FRMN=JRDN=WILSN	AUX VASES	23=2N=8E	25*	1070*	0.5	112*	25*	1070*
4079	TAMARACK PET.	BLACK OAK SCHOOL U	AUX VASES	22,23,26,27=1S=8E	746	9403	17.8	331	140	1590
4081	TAMARACK PET.	CLAY UNIT	AUX VASES	9,10,15,16=1S=8E	235	3412	0.6	105	4*	468
*4095	TAMARACK PET.	EAST CLAY	AUX VASES	10=1S=8E		284		19		36
4108	TAMARACK PET.	PIERCE	SPAR MTN	22=2N=8E		1013		86		922
4157	TAMARACK PET.	S.W. MT. ERIE U	AUX VASES	4=1S=8E	40	2247	1.5	100	30	538*
4191	TAMARACK PET.	CISNE UNIT	AUX VASES	3,9,10=1S=7E	72	3130	1.3	393	70	885*
4193	TAMARACK PET.	WILSON U	AUX VASES	23,26=2N=8E		2875*	2.6	350		1384*
*4132	TEXACO, INC.	E. GALLIGHER	MCCLOSKEY	2=2S=7E		32				
*4144	SAM TIPPS	W GEFF U	AUX VASES	16,17,21=1S=7E		1690		105		1137
302	UNION OIL CALIF.	T M & S UNIT	CYPRESS	9,10=2N=8E	109	899	2.3	75	49	537
304	UNION OIL CALIF.	NE WOODSIDE SCHOOL	CYPRESS	16,17=2N=8E	40*	1734*	24.1	217	53	826
				MCCLOSKEY						
335	UNION OIL CALIF.	WEILER SCHOOL CONSOL	CYPRESS	33,34=3N=8E,3,4=2N=8E	552	9551	62.2	1174	252	4473
				MCCLOSKEY						
341	UNION OIL CALIF.	W. CLAY CITY	AUX VASES	10=2N=7E	678	7033	14.9	316	278	3025
				MCCLOSKEY						
349	UNION OIL CALIF.	THOMAS SCHOOL U	CYPRESS	5,6,7,8,17,18=2N=8E; 12=2N=7E	650	26002	39.7	2365	722	13261
				MCCLOSKEY						
358	UNION OIL CALIF.	BUNNYVILLE C *	CYPRESS	27,28,29,32,33=3N=8E/	912	18473	78.3	1950	1112	14516
				BETHEL						
				AUX VASES						
				MCCLOSKEY						
1910	UNION OIL CALIF.	E NEWTON CONSOL	MCCLOSKEY	27,34=7N=10E	219	6730	4.1	452	54	2590
1911	UNION OIL CALIF.	MT. GILEAD CONSOL	MCCLOSKEY	19,20,29,30=5N=10E	1229	16655	25.0	645	1718	9281
1919	UNION OIL CALIF.	N. DUNDAS U	AUX VASES	7,8,9,16=5N=10E	864	25322	36.7	1041	911	11959
				MCCLOSKEY						
1922	UNION OIL CALIF.	S BOOS U	AUX VASES	33=6N=10E/	1029	26204	39.2	1840	1222	14001
				MCCLOSKEY						
				SALEM						
1924	UNION OIL CALIF.	HONEY CONSOL	AUX VASES	16,17=5N=10E	213	5701	18.0	366	529	5895
				MCCLOSKEY						
				SALEM						
3404	UNION OIL CALIF.	OLD NOBLE	CYPRESS	3,4,5,8,9=3N=9E/	6592	157695	116.2	6446	6496	157059
				MCCLOSKEY						
3406	UNION OIL CALIF.	SW NOBLE U	SPAR MTN	32,33=4N=9E		3810		181		1056
3418	UNION OIL CALIF.	WAKEFIELD CONS	CYPRESS	11,12=2N=8E	65	40367	11.7	3899	512	29577
				MCCLOSKEY						
3425	UNION OIL CALIF.	GUYOT CONSOL	CYPRESS	35,36=3N=8E,1,2=2N=8E	59	6331	3.9	482	33	1956
				MCCLOSKEY						
3429	UNION OIL CALIF.	NE WAKEFIELD CONSOL	CYPRESS	13,14=4N=9E	*	442	0.7	46	6	126
3431	UNION OIL CALIF.	HOG RUN CONSOL	AUX VASES	17=3N=9E	81	2263	2.6	106	73	944
				MCCLOSKEY						
3434	UNION OIL CALIF.	SUGAR CREEK UNIT	SPAR MTN	26,27=4N=9E	*	1083*	1.2	66	6	84
				MCCLOSKEY						
3437	UNION OIL CALIF.	S DUNDAS CONSOL	AUX VASES	30,31=5N=10E	226	3732	3.7	136	226	1655
				MCCLOSKEY						
3438	UNION OIL CALIF.	S=8 CONSOL	MCCLOSKEY	27,28=4N=9E	*	564*	0.7	43	1	260*
3440	UNION OIL CALIF.	H A M CONSOL	AUX VASES	13,14,23,24,26=4N=9E	68	2915	7.8	123	60	741
				SPAR MTN						
3441	UNION OIL CALIF.	R M & P CONSOL	MCCLOSKEY	24,25=3N=8E	323	3137	1.4	40	84	768
3442	UNION OIL CALIF.	OUTER WAKEFIELD C	CYPRESS	14,23=4N=9E	*	954*	2.3	97	13	246
				AUX VASES						
3443	UNION OIL CALIF.	LU=BERG AREA	CYPRESS	25=4N=9E	151	1751	4.8	203	11	84
3446	UNION OIL CALIF.	COLBORN CONSOL.	AUX VASES	4,5=3N=9E	432	2054	55.7	301*	524	2741
				MCCLOSKEY						
				ST. LOUIS						
				SALEM						
3448	UNION OIL CALIF.	EAST W.A.M CONS.	MCCLOSKEY	24,25,26=4N=9E	37	37	1.9	2	2	2
4065	UNION OIL CALIF.	BANKER SCHOOL CONSOL	CYPRESS	19,21,22,28=2N=8E	50	2387	2.5	860	42	1337
4070	UNION OIL CALIF.	E BANKER SCHL	CYPRESS	21,28=2N=8E	107	1011	12.2	158	84	641
				AUX VASES						
*4074	UNION OIL CALIF.	SE WOODSIDE SCHOOL	MCCLOSKEY	20,29=2N=8E		370		8		28

in Illinois, 1980—continued

RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER *												

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

CLAY CITY C, CLAY, JASPER, RICHLAND, WAY												
CONTINUED												
4048	3015	15.0	18.5	30	40.0	11-77			1	4	100	PRODUCED (B)
4067	3075	7.5	19.0	35		08-71			6	5	236	PRODUCED (B)
	3130	4.5									215	
4068	3019	6.5	18.5	30	37.0	09-71			1	7	165	WELL & PROD (M)
*4088	2935	11.0	18.0	35	39.5	03-67	01-74		1	1	50	PRODUCED (B)
4179	3146	7.8	18.0	75	37.5	08-58			3	3	100	POND, PROD (M)
*4115	3150	8.0	19.0	115	39.0	01-56	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 (B)
1930	2800	12.0				7-63			2	4	100	CYPRESS&PROD(B)
1931	2690	14.0				6-66+			+	1	10	
	3280	29.0								1	20	
*3433	2870	5.0	13.0	120		01-65	10-78		2	5	180	PRODUCED (B)
3434	3005	9.0				09-66			3	5	170	PRODUCED (B)
4166	2930	20.0	19.0	75		11-64			2	6	440	PENN SD, PROD (B)
	3010	20.0							2	2	100	
* 347	2933	15.0			39.2	02-59	01-72		1	2	40	CYPRESS (B)
* 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			1	2	120	CYPRESS, PROD (B)
3444	3000	5.0	16.0	1307	39.0	01-61			1	1	40	PRODUCED (B)
3445	3080	7.0			38.0	12-75			3	9	150	PENN SD (F)
*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	988	SH SD, PROD (M)
	3080	8.0				12-63			6	13	250	PENN SD (B)
	3170	5.4				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 (B)
*4196	3170	18.0			39.0	08-65	12-72		20	19	480	PENN SD, PROD (B)
*3428	2800	10.0	18.0	50	39.0	04-64	6-74		30	25	900	PENN SD, PROD (B)
	2900	10.0				4-77			1	2	40	
4190	3004	16.0			38.0	10-65			1	4	40	PENN SD, PROD (B)
*1907	2615	10.0				06-52	12-54		1	1	20	PRODUCED (B)
4047	2960	13.0				4-65			4	5	110	PRODUCED (B)
4079	3100	14.0	20.1	8	39.0	09-68			7	16	680	PENN SD (B)
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 (B)
4137	3040	10.1	15.9	24	39.0	10-62			2	3	100	PURCHASED (B)
4191	3100	10.0	18.0	50	34.5	11-65			1	1	180	PENN SD, PROD (B)
4193	2960	14.0	19.0	30	39.0	01-65			11	10	220	SH GRAVEL (F)
*4132	3255	6.0			38.0	01-58	07-59		1	1	40	CYPRESS, PROD (B)
*4144	3150	13.0	19.0	85		11-60	01-64		9	10	150	PENN SD (B)
302	2610	15.0	18.0	65	37.2	05-72			1	4	200	PRODUCED (B)
304	2620	16.0	18.0		37.6	04-68			1	5	369	PENN SD, PROD (B)
	3000	25.0	15.0									
335	2596	17.0	68.0	24		07-61			8	11	570	PENN SD, PROD (B)
	2957	15.0	15.0									
341	2960	15.0			38.0	8-71			2	6	340	PRODUCED (B)
	3070	10.0	16.0			9-70					240	
349	2650	20.0	13.0	200		07-65			12	26	2411	PENN SD, PROD (B)
	2900	20.0										
	3000	27.0										
358	2620	16.0	18.0	24	38.5	05-65			19	41	2069	PRODUCED (B)
	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 (B)
1911	2750	10.0				01-66			6	12	926	PRODUCED (B)
1919	2720	37.0	18.0	87		07-65			11	18	1679	PENN SD, PROD (B)
	2791	31.0										
1922	2720	12.0				11-66			13	22	998	PRODUCED (B)
	2900	11.0										
	3400	32.0										
1924	2720	11.0	18.5			08-68			2	9	710	PRODUCED (B)
	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 (B)
	2930	10.0							11	32		
*3406	2984	6.0	15.0	75		05-57	03-66		2	3	340	CYPRESS, PROD (B)
3418	2545	32.0	17.0	120		05-59			2	18	1640	PENN SD, PROD (B)
	3425	20.0	15.0	75		12-63			1	9	837	PENN SD, PROD (B)
	3000	20.0										
3429	2579	15.0	18.0	65		11-64			1	1	100	PENN SD, PROD (B)
3431	2883	25.0	15.0	75		10-65			1	3	200	CYPRESS, PROD (B)
	2967	7.0									229	
3434	2925	5.0				05-66			1	1	300	PENN SD, PROD (B)
	2950	5.0									300	
3437	2776	11.0			38.5	06-68			2	2	195	SUB-SURFACE (B)
	2838	25.0									80	
3438	2983	25.0	15.0	39.6	10-88				1	1	240	PRODUCED (B)
3440	2878	27.0	15.0	38.1	09-69				3	3	830	WATER SOURCE WELL (B)
	2905	19.0	14.0									
3441	2940	11.0	18.0		38.5	04-70			2	1	240	PRODUCED (B)
3442	2619	12.0				12-69			4	4	270	PENN SD (B)
	2876	14.0									50	
3443	2550	10.0	17.0	50	38.8	09-71			5	4	160	PRODUCED (B)
3446	2860	18.0				12-76			10	14	1121	PRODUCED (B)
	2970	10.0										
	3090	20.0										
	3450	20.0										
3448		8.0				8-79			1	2	630	PRODUCED
4065	2639	15.0	18.0	65		09-56			5	4	620	PENN SD, PROD (B)
4070	2640	15.0	18.0	65	38.6	10-71			2	6	160	WELL (B)
	2945	15.0	16.0	77								
*4074	3025	14.0	16.0		38.6	05-69	11-73		3	1	80	PRODUCED (B)

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.			
* * ADD							1980 * 12/80	1980 * 12/80	1980 * 12/80			
* * P.M.												
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY												
CONTINUED												
4075	UNION OIL CALIF.	S WOODSIDE SCHL	AUX VASES	19,20,30=2N=8E;			122	2951	5.4	234	69	1345
			MCCLOSKEY	25=2N=7E								
4076	UNION OIL CALIF.	E DRY FORK	AUX VASES	25=18=6E			34	1161	1.3	89	32	324
4080	UNION OIL CALIF.	WOODSIDE SCHL C	CYPRESS	24=2N=7E;19,20=2N=8E			587	18924	13.3	903	363	6918
			AUX VASES	13=2N=7E;18=2N=8E								
4091	UNION OIL CALIF.	CENT JORDAN SCHOOL	MCCLOSKEY	1=1N=7E			336	7167	7.9	542	326	4967
4097	UNION OIL CALIF.	DEER CREEK S	MCCLOSKEY									
			CYPRESS	11,12=18=8E			*	3720*	0.2	124*	80	1095*
*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			316	6767	10.8	425	295	3289
			OHARA									
			MCCLOSKEY									
4112	UNION OIL CALIF.	JORDAN SCHOOL U	AUX VASES	27,34,35=2N=7E,			*	25655*	4.8	2381	95	14894
				3=1N=7E								
*4113	UNION OIL CALIF.	NE JORDAN SCHOOL U	AUX VASES	25,26,35,36=2N=7E				13813		1516		8468
4114	UNION OIL CALIF.	VAN FOSSAN U	MCCLOSKEY	10,14,15,22,23,26,27=			47	16719	2.9	730	142	16914
				1N=8E								
4131	UNION OIL CALIF.	SE JORDAN SCHOOL U	AUX VASES	2,11=1N=7E			731	26332	14.1	1816	890	17785
4135	UNION OIL CALIF.	DEER CREEK UNIT	AUX VASES	1,2,10,11=18=8E			218	10009	7.3	741	218	5561
			MCCLOSKEY									
4142	UNION OIL CALIF.	ELM RIVER U	AUX VASES	30,31=2N=8E			169	7402	4.7	575	125	3846
			MCCLOSKEY									
4143	UNION OIL CALIF.	FELLER FLOOD CONBLD	AUX VASES	5,6,7,8=1N=8E			331	15571	10.6	1793	393	11515
*4152	UNION OIL CALIF.	OREGON SCHOOL U	AUX VASES	20,21,28,29=18=8E				2839		185		1579
4153	UNION OIL CALIF.	SE ENTERPRISE U	AUX VASES	24=1N=8E				1115	2.0	72		223
4164	UNION OIL CALIF.	E. JORDAN SCHOOL C	AUX VASES	1=1N=7E,6=1N=8E,			1334	42961	29.2	3218	1587	28412
			MCCLOSKEY	35,36=2N=7E								
4176	UNION OIL CALIF.	S JORDAN SCHOOL U	AUX VASES	11,12=1N=7E,7=1N=8E			714	16935	21.6	1637	726	8759
4185	UNION OIL CALIF.	ZIF CONBLD	CYPRESS	4=1N=8E; 33,34=2N=8E			755	16869	22.8	1811	594	10482
			AUX VASES									
			MCCLOSKEY									
4187	UNION OIL CALIF.	SOUTH CISNE CONBLD	AUX VASES	27,34=1N=7E			15	4940	2.3	138	63	1253
			MCCLOSKEY									
4188	UNION OIL CALIF.	N CISNE U	AUX VASES	22,27=1N=7E			282	4521	6.5	269	264	4576
			MCCLOSKEY									
4192	UNION OIL CALIF.	J. P. MOLT=A	AUX VASES	30=1N=8E			2	264	1.2	24	2	57
			OHARA									
*4136	VERNE M. VAUGHN	BLESSING=CHRISMAN U	AUX VASES	31,32=1N=8E				623		180		270
4098	NEW HELL SERV.	DAVIS, JONES=WHITLOCK	AUX VASES	9=18=7E				645		157*		530*
*4160	WATKINS DRILLING	WATKINS=WHITLOCK	AUX VASES	9=18=7E				152		45		143
4151	H. WEINERT EST.	SOUTH BOYLESTON UNIT	AUX VASES	3,4,9,10=28=7E			361	8866	10.2	382		
4182	H. WEINERT EST.	NORTH BOYLESTON UNIT	AUX VASES	33,34=18=7E;3,4=28=7E			1007	19679*	2.1	775		
			MCCLOSKEY									
1926	WICHITA INDUSTRIES	EAST NEWTON WF	MCCLOSKEY	22,23,26,27=7N=10E			1060	6894*	77.9	831	338	3485*
4054	M. J. WILLIAMS	FRED BEST	AUX VASES	27=1N=8E					1.2*	42*		
4110	M. J. WILLIAMS	COVINGTON UNIT	OHARA	25=18=6E;19,20,29,30,				26912		1889*		14374*
			MCCLOSKEY	31,32,33=18=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 HTN	1=5N=9E				184		88		312
*1909	ZANETIS OIL PROP	C. HARVEY 2	SPAR HTN	12=5N=9E				457		2		
*1917	ZANETIS OIL PROP	HINES=OCHS "A" ETAL	SPAR HTN	4,9=5N=10E				77		14		27
1921	ZANETIS OIL PROP	KELLER "A"=PAYNE HRB.	AUX VASES	5,6=5N=10E			33	2754	22.4	695	33*	2754*
			SPAR HTN									
			SALEM									
*4096	ZANETIS OIL PROP	SHAW	AUX VASES	34=18=8E				142		12		24
COIL, WAYNE												
4077	FRMENS PETR COOP	COIL U	AUX VASES	17,18,19=18=5E			128	4934	17.1	819	158	2266
4100	K W B OIL PROP, HENRY	YOUNGBLOOD U	AUX VASES	19=18=5E			64	2067	11.1	424	23	1293
4092	STONE OIL CO	BYARS=GARRISON	ST LOUIS	19=18=5E					7.0	169*		
COIL N, WAYNE												
4053	M. D. BURKETT	KEEN=WILSON	AUX VASES	31=1N=5E				600		124**		600*
COIL W, JEFFERSON												
2011	GULF OIL CO	COIL W U	AUX VASES	14,15,22,23=18=4E				1319		82		749*
*2012	GULF OIL CO	COIL W U	MCCLOSKEY	22=18=4E				81		*		*
2026	STONE OIL CO	FARRINGTON	ST LOUIS	24=18=4E			91	1409	7.9	224	55	586
CONCORD C, WHITE												
4281	ABSMER OIL CO	CONCORD UNIT	TAR SPRINGS	27,28=68=10E				1169		251**		339*
*4208	C. E. BREHM	CONCORD N UNIT	AUX VASES	10=68=10E				637		66		
*4238	ST LAKES CARBON	MCCLOSKEY	SPAR HTN	28=68=10E				233		5		44
4439	JIM HALEY	TULEY	MCCLOSKEY									
			CYPRESS	21=68=10E			*	115*	*	24	*	115*
			AUX VASES									
*4309	HUMBLE O AND R	CONCORD CO=OP	TAR SPRINGS	28=68=10E				1179		143		379
			AUX VASES									
*4205	BARRON KIDD	KERWIN=CONCORD	MCCLOSKEY	21=68=10E				342		12		77
*4299	D. R. LEAVELL	CONCORD	TAR SPRINGS	21,22,28=68=10E				3964		402		1910
*4331	D. R. LEAVELL	CONCORD	AUX VASES	28=68=10E				370		55		289
*4332	D. R. LEAVELL	TULEY	CYPRESS	21,22=68=10E				1276		37		455
4358	D. R. LEAVELL	TULEY	AUX VASES	21=68=10E				141		24*		66*
4206	PHILLIPS PET. CO	KERWIN	CYPRESS	21=68=10E			96	3471	3.5	319	112	2272
			AUX VASES									
			SPAR HTN									
			MCCLOSKEY									
*4229	PHILLIPS PET. CO	DALLAS	SPAR HTN	28=68=10E				247		3		42
4207	REBSTOCK OIL CO.	TULEY	MCCLOSKEY									
			CYPRESS	21=68=10E			35*	2729*	3.0	207	35*	1685*
			AUX VASES									
			MCCLOSKEY									
4444	SLAGTER PRODUCING	BROWN=SPILLMAN U	CYPRESS	16=68=10E				850		117**		850*
*4325	THUNDERBIRD OIL	N CONCORD U	HARDINBURG	9,10=68=10E				8492		903		5632

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.
ABO							1980 * 12/80	1980 * 12/80	1980 * 12/80
P.M.							1980 * 12/80	1980 * 12/80	1980 * 12/80
CONCORD E C, WHITE									
4445 ABSHER OIL CO	POHEROY	CYPRESS	26-68-10E	30*	975*	1.6	69*	30*	975*
4446 FAIRWAY PETROLEUM	PEARCE	CYPRESS	35-68-10E		205*		39**		205*
		AUX VASES							
46233 H. E. GARRETT	PEARCE U	CYPRESS	35-68-10E, 2-78-10E		310*		12*		117*
COOKS HILLS C, COLES, DOUGLAS									
* 822 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		96		875
* 513 KUYKENDALL DRLG.	EASTON WF	SPAR MTN	27-14N-7E		556		12		243
* 503 S AND M OIL CO.	COOKS HILLS UNIT	SPAR MTN	9, 18, 16-13N-7E		3620		262		2800
* 508 SCHAEFER OIL CO.	COOKS HILLS 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	BENDIST	26-38-3W	130	4697	8.0	1001*	214	4196
4000 SHELL OIL CO.	CORDES COOP	BENDIST	14, 15, 22, 23-38-3W	125	29061	14.4	5077	383	33360
CORINTH, WILLIAMSON									
4904 C. E. BREHM	CORINTH UNIT	AUX VASES	29-68-4E	40	304	6.1	90	22*	22*
COVINGTON S, WAYNE									
4120 DONALD G. BEARY	HEIDINGER-VOGEL	MCCLOSKEY	13-28-6E		51				
CROSSVILLE W, WHITE									
4404 CONTINENTAL OIL	CROSSVILLE WEST U	AUX VASES	15, 16-48-10E		1199		46		245
		SPAR MTN							
		MCCLOSKEY							
DALE C, FRANKLIN, HAMILTON, SALINE									
* 1309 C. E. BREHM	WESTBROOK	AUX VASES	1-78-4E, 6-78-5E		1015		110		
* 1313 C. E. BREHM	CANTRELL U	AUX VASES	4, 5-78-5E, 33-68-5E		3007		340		244*
* 1334 C. E. BREHM	HOGAN U	AUX VASES	9, 16-78-5E		2427		73		276*
* 1344 C. E. BREHM	P.M. SMITH	AUX VASES	33-68-5E, 4-78-5E		1588		275		637*
* 1345 C. E. BREHM	RURAL HILL S	AUX VASES	33, 34-68-5E, 3, 4-73-5E		1371		10		93*
* 1352 C. E. BREHM	MOORE U	AUX VASES	29, 30, 32-68-5E		737		13		104*
* 1353 C. E. BREHM	CROW U	AUX VASES	30, 31-68-5E		1282		155		101*
3622 C. E. BREHM	WEST END	AUX VASES	19, 20, 30-78-5E, 25-78-4E	91	8029	3.4	722	91	2405*
1556 JOE A. DULL	DALE W WF	AUX VASES	6-78-5E	20*	653*	0.6	59	20*	321*
* 1364 DUNCAN LSE-ROY	KNIGHT	AUX VASES	9-68-6E		935		28		
* 1320 FARRAR OIL CO.	TEDFORD	AUX VASES	26-58-6E		436		138*		256*
* 1325 FARRAR OIL CO.	TEDFORD	BETHEL	26-58-6E		62				
1566 FARRAR OIL CO.	NW RURAL HILL U	AUX VASES	21-68-5E	180*	2184*	5.9	362	150*	1189*
1375 FARRAR OIL CO.	URIAH FOSTER	AUX VASES	22-68-5E	20*	500*	1.1	51	20*	500*
* 1347 T. W. GEORGE EST.	CANTRELL S, UNIT	AUX VASES	7, 18-78-5E		3259		512		1640
1526 HERMAN GRAHAM	J.M. STELLE	AUX VASES	27-58-6E	25*	1838	1.8	131	25*	1789*
1528 HERMAN GRAHAM	DALE-HOODVILL COOP	BETHEL	27-58-6E		319				
* 1337 HERMAN GRAHAM	NELLIE PORTER	AUX VASES	34-58-6E	60*	5677*	3.2	246*	60*	2652**
		CYPRESS			447*		17*		256*
		BETHEL			2495*		255*		1820*
* 1310 GULF OIL CO	W RURAL HILL U	AUX VASES	11, 14, 15, 22, 23-68-5E		10312		1405*		5499*
* 1311 GULF OIL CO	W RURAL HILL U	OHARA	11-68-5E		695				
* 1359 GULF OIL CO	M.E. PARKS 'B'	OHARA	34-68-5E		179		4		48
* 1336 DAVID F. HERLEY	WEST END	AUX VASES	8-78-5E		2262		283		680*
* 1301 INLAND PRODUCERS	N RURAL HILL U	AUX VASES	5, 6, 7, 8-68-6E		3372		293		1536
3620 LOUIS KAPP	RALEY	AUX VASES	29-78-5E	40*	696*	2.9	79	40*	686*
* 1323 E. H. KAUFMAN	N. RURAL HILL U	AUX VASES	11, 12-68-5E		1900		119*		1018
* 1324 E. H. KAUFMAN	S.E. RURAL HILL U	AUX VASES	18, 19-68-6E		2312		247*		1492
1349 E. H. KAUFMAN	SW RURAL HILL UNIT	AUX VASES	23-68-5E	30*	2038*	1.7	171	30*	1759*
1363 LADD PETROLEUM	ODD-WILSON U	CYPRESS	6-68-7E	166	17145	7.6	1415	519	9671
		BETHEL							
1378 LAUD PETROLEUM	CULLUM-SUTTLE U	AUX VASES	4, 5-68-6E	35	994	1.1	40	39	603
1597 MAC OIL COMPANY	BURNETT WF UNIT	AUX VASES	1-78-5E	26	1022	0.4	71	26	531
* 1333 MARATHON OIL CO.	UGLESSBY-GRISHOLD	AUX VASES	17-68-6E		211		2		16
1361 MARATHON OIL CO.	BRILL UNIT	HARINSBURG	6-68-7E	204	9914	4.4	700	311	6912
		CYPRESS							
		BETHEL							
1365 MARATHON OIL CO.	M.C. MOORE	AUX VASES	26, 34, 35-68-5E	51	5804	6.2	294	93	2101
* 1343 MARION CORP	FRIEL	OHARA							
		BETHEL	34-58-6E		3064		255		1592
* 1302 PHILLIPS PET. CO	CANTRELL U	AUX VASES	5, 6, 7-78-5E		1814		161		1116
1368 POLLACK DRG.	ADA DIAL #2	OHARA	8-68-6E	40*	714*	1.6	63	40*	540*
1314 SHELL OIL CO.	RURAL HILL UNIT	AUX VASES	11, 12, 13, 14, 23, 24-68-5E, 7, 18-68-6E	2*	64251	5.8	4908	155	44451
		OHARA							
		MCCLOSKEY							
* 1312 SHERMAN DRG	RURAL HILL	AUX VASES	13, 23, 24-68-5E		9700*		674*		4124*
1348 SHERMAN DRG	BENEFIELD-ARNOLD	OHARA							
		AUX VASES	16, 21-68-7E	50*	3961*	2.0*	247*	50*	2430*
		MCCLOSKEY							
* 1335 JOE SIMPKINS OIL	BARKER	AUX VASES	24-68-5E		543		74		261
* 1367 JOE SIMPKINS OIL	DALE COOP	AUX VASES	10, 15, 16-68-5E		200*		13*		135*
* 1307 STEWART PRODUCERS	BILL JONES	AUX VASES	8-68-6E		171		17		4
* 1316 STEWART PRODUCERS	CRADDOCK-ARMES	AUX VASES	19-68-6E		203*		15*		96*
* 1331 STEWART PRODUCERS	WILLIAMS HEIRS COOP	AUX VASES	9, 10-68-6E		272		4		130
* 1339 STEWART PRODUCERS	FLANNIGAN U	AUX VASES	28, 29-68-5E		722		14		142
* 1340 STEWART PRODUCERS	HUNGATE U	AUX VASES	28-68-5E		506		27		116
* 1341 STEWART PRODUCERS	BRUMBY U	AUX VASES	6, 7-68-6E		266		190		151
* 1362 STEWART PRODUCERS	JONES 2	AUX VASES	18-68-6E		291*		93*		105*
* 1304 TEXACO, INC.	WEST DALE UNIT	AUX VASES	11-68-6E		6476		614		3336
* 1308 TEXACO, INC.	HOOD-CAREY UNIT	AUX VASES	3-68-6E		867				
* 1309 TEXACO, INC.	HOOD-CAREY UNIT	AUX VASES	3-68-6E		1109		250*		1910*
* 1338 TEXACO, INC.	VAUGHAN-BROCKETT COOP	BETHEL	17, 18-68-6E		1237		82		728

in Illinois, 1980—continued

RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER *												
FIELD, COUNTY	PERM OIL	DATE	DATE	NO. OF	SOURCE	TYPE						
PROJ. * DEPTH * NET * POR * (HD) GRAV * FIRST * ABD. * UNDER * GRG GRAVEL * (B) * BRINE *	(API) INJ. *	INJ. * PROD. *	INJ. *	INJ. *	PRODUCED (M) * MIXED *	REMARKS						
NO. * (FT) * (FT) *	(%) *	(%) *	(%) *	(%) *	(%) *	(%) *						
CONCORD E C, WHITE												
*4445 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			
2830 12.0					1	1	20					
*4233 2550 11.0	14.3	92	36.0	12-66	12-74	4	4	90	SH GRAY, PROD (M)	*ESTIMATED SINCE 1970		
COOKS HILLS C, COLES, DOUGLAS												
* 522 1778 5.0	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 (R)			
CORDES, WASHINGTON												
4010 1270 12.0	20.0	250	37.0	09-65		2	10	180	PRODUCED (B)	*INCL PRIM PROD SINCE 9-65		
4000 1230 14.0	20.0	250	37.2	08-50		16	21	935	PENN SD, PROD (B)			
CORINTH, WILLIAMSON												
4504 12.0			38.0	11-75		1	3	130	PENN SD (R)	*ESTIMATED BY OPERATOR 1980 ONLY		
COVINGTON S, 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)			
*1513 3150 15.0	17.0	150	39.0	01-59	01-70	11	14	250	CYPRESS, PROD (B)	*1966-67 DATA ONLY		
*1534 3300 11.3	19.0	150	38.0	06-62	05-71	2	10	130	PENN SD, PROD (B)	*1965-67 DATA ONLY		
*1544 3150 22.0	17.0	200	38.0	03-63	09-73	3	14	170	PENN SD, PROD (B)	*ESTIMATEU		
*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		
3422 3140 20.0	17.0	150	38.0	08-63		3	7	200	PENN SD, PROD (B)	*EST. THRU 79		
1556 3260 10.0	18.0	85	38.0	12-65		1	3	80	PENN SD, PROD (B)	*ESTIMATEU		
*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 2957 19.0				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)	*ESTIMATEU		
1575 3190 18.0				09-71		1	2	30	PRODUCED (B)	*ESTIMATEU		
*1547 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)	*ESTIMATEU		
1528 2950 11.0	14.8	117	37.0	07-61	07-64	6	9	150	PALESTINE, PROD (B)	*ESTIMATEU + INCL BOTH PAYS		
3050 13.0	20.0	116	37.0	07-61		7	8	150				
*1537 2730 12.0	18.0			5-68	06-76	4	4	80	PRODUCED (B)	*EST + BETHEL AND AUX VASES DATA		
2900 20.0	16.0			8-62	9-68	4	4	80				
3050 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		
*1501 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)	*ESTIMATEU		
*1523 3150 13.0			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		5	4	110	PENN SD, PROD (B)	*ESTIMATEU 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				10-69		1	2	240	PENN SD, PROD (B)			
1557 3215 20.0	16.0	65	38.0	03-62		1	1	40	PENN SD, PROD (B)			
*1533 3250 16.0	18.0	80		06-62	12-66	1	1	20	PENN SD, PROD (B)			
1561 2750 4.0				01-65		3	5	130	CYPRESS, PROD (B)			
3000 20.0								130				
3130 20.0								130				
3210 15.0								130				
1565 3315 15.0	18.0	100		06-65		4	4	200	CYPRESS WSW, PROD (B)			
3350 10.0	14.0	40						40				
*1543 2940 23.0	15.0	150	39.5	09-62	05-69	1	3	130	PALESTINE, PROD (B)			
3050 16.0	17.0	100				2	3	130				
*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		8	11	1890	HARD, CYP, PROD (B)	DISC. INJ. FEB. 1980		
3195 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	PURCHASEU, 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)	*ESTIMATEU 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	15	40	640	PENN SD (R)	*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	MCCLORKY (B)			
*1539 3240 20.0	12.0	90	37.0	09-62	06-67	4	6	100	PENN SD, PROD (B)			
*1540 3244 20.0	12.0	90	37.0	12-62	06-67	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	125	38.0	07-51	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	08-58	12-68	5	8	130	HARDINSBURG, PROD (B)	*INCL 1508		
*1538 3150 18.0	21.4	149	38.8	03-62	11-68	5	10	180	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.
* * ADD				* 1980 * 12/80	* 1980 * 12/80	* 1980 * 12/80	* 1980 * 12/80	* 1980 * 12/80	* 1980 * 12/80
* * P.M.									
DALE C, FRANKLIN, HAMILTON, SALINE									
CONTINUED									
1560 TEXACO, INC.	DALE UNIT	TAR SPRINGS	1,2,11,12,13-68-6E,9,	376*	18997	63.6*	1000*	2350*	137571*
		HARDINSBURG	6,7,8,17,18,19-68-7E		1268				
		CYPRESS		250*	26014				
		BETHEL		423*	39830				
		AUX VASES		1292*	103950				
1542 UNION OIL CALIF.	DALE COOP	TAR SPRINGS	36-58-6E,31-58-7E,	717	28959	22.4	2120	580	14643
		HARDINSBURG	6,7-68-7E						
		CYPRESS							
		BETHEL							
		AUX VASES							
3625 PAUL ZIEGLER	WEST END UNIT	AUX VASES	17,19,20-78-5E	90*	2991*	8.3	250	90*	1799*
DEERING CITY, FRANKLIN									
1319 FARRAR OIL CO.	PEABODY COAL	AUX VASES	9-78-3E	25*	562*	1.1	122*	25*	482*
DIVIDE C, JEFFERSON									
2015 W. & P. BECKER	DELLA MCELRAVY	AUX VASES	17-18-4E	9*	279	0.2	30	9*	183
2007 DEVON CORP.	PRITCHARD HRS	AUX VASES	20-18-4E	23	378	2.6	87	23	228
2022 JOHN DUNNILL	ELLER-PIERCE-WILLIS	MCCLOSKEY	16-18-4E	20*	390*	4.5	73*	20*	390*
*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				1.1	233	20*
2021 TEXACO, INC.	WEST DIVIDE U	SPAR MTN	13,14,15,22,23,	1276	35059	18.9	1447	987	224174
		MCCLOSKEY	26-18-3E						
DUBOIS C, WASHINGTON									
4007 N. A. BALDRIDGE	KAMINSKI	CYPRESS	7,8,17-38-1W	50*	1555*	4.4	158	50*	1175*
4024 N. A. BALDRIDGE	MUSIAL WATERFLOOD	CYPRESS	19-38-1W/24-38-2W	15*	105*	0.5	6	15*	105*
*4003 HARRY HARRY	PEK	CYPRESS	20-38-1W		68		16		5
4001 ELMER OELZE	O D PECK	CYPRESS	20-38-1W	20*	385*	1.4	16	20*	206*
4006 ELMER OELZE	KLAYBOR	CYPRESS	17-38-1W	65*	1082*	3.3	118	65*	1045*
4025 E. M. SELF	RUDOLPH	CYPRESS	17-38-1W	40*	1225*	4.3	117*	40*	1225*
DUDLEY, EDGAR									
900 BARR-HUMAN-ROBSN	BABER LSE	L DUDLEY	9-13N-13W	190*	1880*	23.0	439	190*	1880*
903 BARR-HUMAN-ROBSN	BABER LSE #2	L DUDLEY	9-13N-13W	50*	693*	5.6	58	50*	493*
906 G. T. DOBIE	BRINKERHOFF	L DUDLEY	10-13N-13W	120*	955*	19.0	177*	120*	955*
905 W HENIGHAN EST	WALLER		3-13N-13W		634*		136*		634*
904 JUDITH NEUMAN	STEIDL	L DUDLEY	3-13N-13W	30*	579*	3.1	44*	30*	579*
901 ODIS PATTILLO EST	ZITA MUKILL	L DUDLEY	3-13N-13W	35*	449*	6.6	82	35*	449*
902 ODIS PATTILLO EST	A STAUB LSE	L DUDLEY	4-13N-13W	75*	521*	17.4	148	75*	521*
EDINBURG W, CHRISTIAN, SANGAMON									
103 DON HANKS	EDINBURG W U	SILURIAN	8,16,17-14N-3W		1061		157*		693
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	1163	24397	26.2	1995	990	12389
3621 HAR-KEN OIL CO.	WEST UNIT	PALESTINE	20-88-7E	432	4405	12.0	132	181	786
		BETHEL							
		AUX VASES							
3624 LOUIS KAPP	ELDORADO NW	WALTERSBURG	9,16,17-88-7E	65*	918*	1.2	29	35*	212*
		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	190*	1687*	9.5	103	50*	401*
		HARDINSBURG							
		AUX VASES							
3612 MISTY OIL CO	VICTOR BUTTNER C	AUX VASES	7-88-7E	80*	1208*	4.4	83	80*	724*
3608 THE NELSON CO.	WALT, ELDORADO NE U	WALTERSBURG	10,11,15-88-7E	400*	18895*	20.3	1610*	400*	9125*
ELDORADO E, SALINE									
*3607 G. L. REABOR 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				
ELLIOTTSTOWN N, EFFINGHAM									
1101 VIRGIL STREETER	N ELLIOTTSTOWN	MCCLOSKEY	17,20-7N-7E		529		99*		263*
ENERGY, WILLIAMSON									
4502 A. B. VAUGHN	ENERGY WF	AUX VASES	3,4-98-2E	32	1429*	7.3	98		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									
2635 EGO OIL CO	SLAPOUT WF	MCCLOSKEY	7-1N-4E/12,13-1N-3E	238	3424	3.6	478	89	1213
EXCHANGE W, MARION									
2628 STONE OIL CO	WYATT A & WYATT B *	SPAR MTN	3,4,9-1N-3E	52	1131	9.2	188*	52	477

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 * RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER *
 * FIELD, COUNTY * * * * * NO. OF * * * * * SOURCE * TYPE *
 * * * * * PERM OIL * DATE * DATE * WELLS * ACRE * SD=SAND (F)=FRESH *
 * PROJ. * DEPTH * NET * POR * (MD)*GRAV * FIRST * ASD, * * * * * UNDER * GR=GRAVEL (B)=BRINE *
 * NO. * (FT) * PAY * (%) * (API)* INJ. * * * * * INJ. * PROD=PRODUCED (M)=MIXED * REMARKS *
 * * * * * (FT) * * * * * * * * * * * * * * * * SH=SHALLOW *

DALE C, FRANKLIN, HAMILTON, SALINE

CONTINUED
 1560 2400 18.5 18.0 52 36.0 07-65 32 39 4020 PENN SU, PROD (B) *ESTIMATED FROM TOTAL INJECTION
 2475 8.5 01-65 07-71 3 4 328 *INCL ALL PAYS
 2680 13.3 15.3 109 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 SU, 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 2800 13.0 36.2 07-61 1 4 50 PRODUCED (B) *INCL PRIM *ESTIMATED

DIVIDE C, JEFFERSON

2015 2658 20.0 37.8 08-69 1 3 50 CYPRESS (B) *ESTIMATED 1979
 2007 2612 8.0 08-69 1 2 30 CYPRESS (B)
 2022 2800 6.0 74-72 2 5 80 PRODUCED (B) *EST. +INCL. PRIM. SINCE 72
 *2002 2805 6.9 18.0 36.6 05-53 09-65 1 5 60 PRODUCED (B) *EST. +ADJACENT TO ACTIVE WF
 2027 2680 12.0 10-65 * 6 60
 2021 2710 6.0 13.0 67 37.0 11-64 15 15 1245 PENN SU, PROD (B)

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 TAN 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) *NO DATA N/A +INCL. PRIM. FROM 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 10 230 PRODUCED (B) *INCL. PRIM SINCE 54; +DATA N/A 80

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 SU, PROD (B)
 3611 2150 20.0 17.0 225 38.0 05-63 5 7 220 PENN SU, PROD (B)
 3621 1900 15.0 17.0 2-72 5 8 200 PENN SU, PROD (B)
 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 SU (B)
 *3609 2560 12.0 18.0 80 38.0 12-62 08-68 2 3 90 PENN SU, PROD (B)
 3600 2200 10.0 05-70 1 1 30 PRODUCED (B) *ESTIMATED
 2314 8.0 2 2 40
 2900 7.0 3 4 80
 3612 2922 8.0 35.4 09-63 1 2 40 PENN SD (B) S.D. 4-65, REACTIVATED 7-66 *EST
 3608 2200 22.0 19.0 200 36.0 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 TAN SPR, PROD (B) *ESTIMATED 1968-72

ENERGY, WILLIAMSON

4502 2354 20.0 40.0 10-71 2 4 100 PRODUCED (B) *EST. 76 THRU 79

ENFIELD, WHITE

*4441 3245 15.0 7-60 12-64 * 1 20 PRODUCED (B) *EST. +ADJ. TO 4264 & 4292
 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 10-65 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
 2650 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)

EXCHANGE W, MARION

2628 2572 12.0 11-66 2 7 511 PRODUCED (B) *INCL. PRIM +FORM. NAMED CHARLETON

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.
ADD				1980	12/80	1980	12/80	1980	12/80
U P, M									
FAIRMEN, CLINTON, MARION									
* 413 PAUL WAITE	DUCOMB-KREITLER	BENOIST	13,24-3N-1W	1494**		252**		1494**	
FLORA S, CLAY									
* 331 DONALD G. GEARY	GIVEN-MCGREW U	MCCLOSKEY	4-2N-6E	70		4*		7	
FRIENDSVILLE N, WABASH									
*3998 D. LOEFFLER ESTATE,	FRIENDSVILLE NORTH U	BIEHL	12-1N-13W	379		99		99	
3949 MOBIL OIL CORP.	LITHELAND	BIEHL	1,2-1N-13W	623		142		282	
*3953 J. W. SANDERS	FRIENDSVILLE N U	BIEHL	1-1N-13W			7			
FROBETOWN N, CLINTON									
409 ELMER OELZE	SCHROEDER	SILURIAN	31-3N-3W			9.1		97	
GARD'S POINT, WABASH									
3853 BELL BROTHERS	TALLEY	OHARA	23-1N-14W			3.1		48	
3892 WALKER DRUG CO.	GARD'S POINT UNIT	OHARA	23,26-1N-14W	70*	1605*	3.2		79	70* 1370*
GERMANTOWN E, CLINTON									
* 406 NAT. GAS PIPELINE	GERMANTOWN	SILURIAN	36-2N-4W, 1-1N-4W	154	4878	10.7	1240	154	4878*
GILA, JASPER									
*1916 SCHAEFER OIL CO.	GILA	MCCLOSKEY	28,32,33-8N-9E	3194		418		1760	
GOLDENGATE C, EDWARDS, WAYNE, WHITE									
*4412 AMERICAN PUMP	POLLARO UNIT	AUX VASES	21,22,27,28-38-9E	2174		109		1085	
*4124 CITIES SERVICE	KLETZKER U	AUX VASES	4-38-9E	102		1		10	
*4128 CITIES SERVICE	GOLDENGATE U	MCCLOSKEY	28,32,33-28-9E	926		7		281	
4155 CULLUM OIL CO.	PETTIGREW-PIERCY UNIT	AUX VASES	24-28-9E	262		14*		122*	
*4154 ALVA C. DAVIS	SUNNAGE-WOODS U	AUX VASES	13,24-28-9E	631		95		130	
*4143 DUNCAN L&S-ROY	SCOTTSDALE	BETHEL	23,26-28-9E	751		254			
4139 FAIRFIELD OIL CO	POND CREEK WF UNIT	AUX VASES	29,30,31,32-28-9E	8482	5.5	614		25	250*
*4374 GULF OIL CO	GOLDENGATE UNIT	AUX VASES	34,35-38-9E, 3-48-9E	7279		656		3689	
*1027 ILL. L&S, OP.	CHALCRAFT-HORN	MCCLOSKEY	20-28-10E	79		14		5	
4083 ILL. MID-CONT.	SOUTH ELLERY UNIT	AUX VASES	24,25-28-9E	225*	5370*	11.6	370	225*	3613*
4447 JENKINS BROS	WHITLOW-WILLIAMS	MCCLOSKEY	28-38-9E	800		105**		800*	
4123 M AND M OIL CO.	GOLDENGATE UNIT	AUX VASES	32,33-28-9E	35	526**	1.9	658	35	273**
*4378 MARCH DRUG CO.	GOLDENGATE	OHARA	3-48-9E	109		27		107	
4148 POOL OIL CO.	W. ELLERY	AUX VASES	15,22,23,27-28-9E	2546					
1023 ROBINSON PROD.	SNOWDALL UNIT	OHARA	30,31-28-10E	25*	2991*	1.4	439*	25*	1479**
*4138 SKILES OIL CORP.	O'DANIEL U	OHARA	30,31-28-10E	23	97	3.6	14	23	97
*4377 TEXACO, INC.	J. MANCOCK COOP	OHARA	26-28-9E	215		26		24	
*4189 M. J. WILLIAMS	GOLDENGATE EAST UNIT	AUX VASES	21-38-9E	680		25		275	
		BETHEL	25,26-28-9E	163*		30*		104*	
		AUX VASES		163					
GOLDENGATE N C WAYNE									
4062 COLLINS BROS.	JONES	AUX VASES	5-28-9E	5*	150*	0.3	23	5*	150*
4091 ILL. MID-CONT.	LOCKE-JOHNSON	OHARA	17-28-9E		350		55*		350*
4066 NOAH PET	GOLDENGATE NORTH UNIT	AUX VASES	17-28-9E	40*	897*	1.8	96	20*	285*
HALF MOON, WAYNE									
4168 COLLINS BROS.	HALF MOON UNIT	MCCLOSKEY	24-18-9E	20*	5224*	1.7	192	20*	2485*
4160 JUNIPER PETROLEUM C	HALF MOON U	OHARA	26,34,35-18-9E	46	7853	3.6	756	50	3138
HARCO, SALINE									
3619 COLLINS BROS.	HARCO U	AUX VASES	16-88-9E	250*	4234*	10.2	255	250*	2697*
3613 LOBREE CORP.	HARCO WEST POOL UNIT	AUX VASES	29-88-9E	5*	783*	0.2	69		
HARCO E, SALINE									
*3601 SUN OIL CO.	HARCO WF UNIT	CYPRESS	25-88-9E		84		3		37
*3602 SUN OIL CO.	HARCO WPPU	AUX VASES	24,25,26-88-9E		334		30		112
HARRISBURG, SALINE									
*3606 W. C. MCBRIDE	HARRISBURG NORTH	WALTERSBURG	34-88-6E	1597		16		136	
HERALD C, GALLATIN, WHITE									
1454 ABSHER OIL CO	C.H&T, H BOYD	CYPRESS	23-78-9E	40*	665*	5.1	73*	40*	665*
*1419 ABRLAND O AND R	SOUTH NEW HAVEN UNIT	TAR SPRINGS	29,30-78-10E		1538		229		707
4210 C. E. BREHM	HERALD W. U.	WALTERSBURG	28,33-68-9E	227	4125	32.0	893	120	120*
*4304 C. E. BREHM	NEW HAVEN U	AUX VASES	18-78-10E		86		19		
4456 JACK BROOKOVER	NEWCOMB-AUD-HOY-WLSON	CYPRESS	34-68-9E	22	105	4.5	22	22	105
1444 COLLINS BROS.	HERALD E UNIT	AUX VASES	23,24,25,26-78-9E	230*	2437*	10.3	170	230*	1374*
1405 CONTINENTAL OIL	COTTONWOOD N U	CYPRESS	21,28-78-9E		5613		1045		2114
1431 CONTINENTAL OIL	COTTONWOOD TAR SPR	TAR SPRINGS	16-78-9E		179		30		85
1430 JOE A. DULL	HERALD E U	AUX VASES	24-78-9E, 19-78-10E	20	1652*	1.5	161	7	503*
1433 JOE A. DULL	GLOVER-NEVILLE	AUX VASES	24-78-9E	104	1304*	15.3	138	22	1222*
4340 IND. FARM BUR.	NEW HAVEN WF	AUX VASES	17,18-78-10E		786		79		14
4400 PAUL S. KNIGHT	HARRELL-KNIGHT-WILLMS	TAR SPRINGS	14-78-9E	350*	3524*	14.7	287	350*	3322*
4360 LADD PETROLEUM	BAYLEY U	PENNSYLVANIA	11-78-9E	23	8211	1.5	335	21	3391
		CLORE							
		TAR SPRINGS							
		CYPRESS							
		AUX VASES							
4365 LADD PETROLEUM	HERALD COOP	AUX VASES	10-78-9E		1361*	1.2	136	40*	1130*
*4399 LIVINGSTON OIL	CALVERT 'A'	AUX VASES	4-78-10E		31				
4395 MASON OIL CO.	HERALD U	CYPRESS	27,33,34-68-9E,	25*	5571*	1.1	747	25*	2164*

in Illinois, 1980-continued

***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER *****												
***** FIELD, COUNTY *****												
NO.	(PT)	PAY	(%)	(API)	INJ.	INJ.	PROD.	INJ.	SH	SHALLOW	REMARKS	
NO.	(PT)	PAY	(%)	(API)	INJ.	INJ.	PROD.	INJ.	SH	SHALLOW	REMARKS	
FAIRMAN, CLINTON, MARION												
* 413	1450	8,0	21,0	357	38,0	03-59	01-76	4	9	130	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)	
*3943	1620	12,5	16,0	81	35,6	07-67	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)	*8WD, NO INJ DATA
GARD'S POINT, WABASH												
3853	2860	10,0				06-71		*	3	60		*ADJACENT TO ACTIVE WF
3852	2880	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		08-56	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	03-62	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)	
*4374	3300	15,0	18,0	101	38,9	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	8,7	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	930		*ESTIMATED SINCE 1973
	3370	7,0	12,5	55	39,5	01-66		2	4	240	PENN SD, PROD (B)	
	3395	6,5	12,5	150				2	4			
*4447	3420	9,0				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; +OMAHA AND SPAR MTN COMING 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	100	SH GRAVEL (F)	*ESTIMATED; +INCL ALL PAYS
	3270	15,0				09-61		4	9	400		
	3310	9,0				09-61	05-70	1	2	60		
1023	3180	5,5				9-77		1	3	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)	
*4189	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)	*ESTIMATED
*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)	
HARCO, 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
HARCO 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	60	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	19,0				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 FOR 1980 ONLY
*4304	2900	15,0	19,0	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	06-69		4	5	120	CYPRESS (B)	*ESTIMATED SINCE 1973
	2950	15,0						3	15	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. 73 THRU 79
1433	2900	8,0			37,8	11-63		2	6	160	PRODUCED (B)	*EST. 70 THRU 79
*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										
	2240	10,0										
	2630	22,0										
	2880	14,0										
4365	2900	15,0	18,2	100	37,0	05-62		2	6	70	PENN SD, PROD (B)	*ESTIMATED SINCE 74; +INJ. DISC. 73
*4359	2920	12,0			36,8	05-62	07-64	1	1	20	SHALLOW WELL (F)	
4355	2675	11,4	16,2	52	38,0	06-62		20	20	420	PENN SD, PROD (B)	*ESTIMATED

TABLE 11. Waterflood operations

GENERAL INFORMATION					PRODUCTION AND INJECTION STATISTICS (M BBL)				
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	OIL PRODUCTION	WATER PRODUCTION	WATER PRODUCTION	WATER PRODUCTION	WATER PRODUCTION
PROJECT NO., OPERATOR	U & UNIT		S - T - R	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
ABO				1980	12/80	1980	12/80	1980	12/80
P.M.									
HERALD C, GALLATIN, WHITE CONTINUED									
4355 MASON OIL CO.	BAYLEY	PENN	4-78-9E						
4291 W. C. MCBRIDE		CYPRESS	3-78-9E	398		27			129
*4212 O. B. MITCHELL	BAYLEY U	CYPRESS	2-78-9E		491		21		35
*4211 DENNIS PAINE	ACKERMAN UNIT	AUX VASES	4-78-10E		462		63		
4362 BERNARD PODOLSKY	BAYLEY UNIT	WALTERSBURG	13,24-78-9E	36	1283	1.1	206	46	744
4383 BERNARD PODOLSKY	GRANT AUX VASES UNIT	AUX VASES	13-78-9E	22	482	1.2	66	28	243
4389 BERNARD PODOLSKY	CLARK UNIT	AUX VASES	4,5,8,9-78-10E	53	1426*	3.8	119	8	395
4428 BERNARD PODOLSKY	L.D. AUSTIN	WALTERSBURG	20-88-9E	"	"	3.3	120	40*	710*
4427 SANDS OIL CO.	HERALD NW UNIT	WALTERSBURG	27,28-88-9E	60*	763*	10.5*	152*	60*	623*
4348 SHAKESPEARE OIL	QUESTELL COOP	PENNSYLVIN	11-78-9E	33	667	4.5	143*	11	154
*4364 TAHARACK PET.	HERALD U	PENN	34-68-9E,2-78-9E		343		17		17
MICKORY 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*	1529*	1.5	103	25*	1529*
1121 PARTLOW, COCHNOR	BROWN,WOOD-BROWN	SPAR MTN	10,11-6N-6E	6*	3762*	0.6	254	6*	3762*
*1105 WICHITA INDUSTRIES	HILL EAST UNIT	CYPRESS	11,12,13,14-6N-6E		3185		154		1100
MORD, CLAY									
331 JET OIL CO.	CONNERLY-SCHROLL	AUX VASES	14-5N-6E	8	204	1.9	41	8	138
		STE GEN							
MORD S C, CLAY									
* 332 SMIRK, WEBSTER	SOUTH MORD UNIT	STE GEN	26,27,34,35-5N-6E		8908		748		6707
* 337 SMIRK, WEBSTER	ZINK UNIT	STE GEN	26,35-5N-6E		1571		77		462
INA, JEFFERSON									
*2008 Kewanee Oil Co.	JEFF-KARBER-THREL B	RENAULT MCCLOSKEY	23-48-2E		2317		238		2535
					1130				
INGRAHAM, CLAY									
326 BUPAY OIL CO	SAILOR SPRINGS EAST U	SPAR MTN	5,6-4N-6E	15	176	4.1	42	2*	12*
* 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*	2835*	8.4	341	140*	1806*
		CYPRESS							
1455 JAMES BROWNING	GOFOURTH	TAR SPRINGS	27-78-10E	"	"	5.6	103	25*	308*
1422 CRAWFORD PROD	BLACK	WALTERSBURG	3-88-10E		882		115*		186*
*1409 FARRAR OIL CO.	E INMAN	TAR SPRINGS	33,34-78-10E,2,3,10-		24228		3550		
		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*	1360*	2.2	112	20*	1160*
*1420 JOE SIMPKINS OIL	HAVEN	AUX VASES	28,32-78-10E		182		2		
1408 TRI STAR PROD CO	WEST UNIT	PALESTINE	9,10,15,16,21,		29098*	2.1	3378		10080*
		WALTERSBURG	22-88-10E						
		TAR SPRINGS							
		HARDINSBURG							
		CYPRESS							
1426 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*	2440**	8.2	2164	90*	5914*
		CLORE							
		PALESTINE							
		WALTERSBURG							
		TAR SPRINGS							
		CYPRESS							
1411 WESTERN OILS, LTD	J A WILLIAMS	MCCLOSKEY	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	8	821	0.1	100*	8*	224*
		CYPRESS							
1440 ASHLAND O AND R	WEST INMAN U	TAR SPRINGS	11,12,14-88-9E	109	3780	10.0	378	1	1601
		HARDINSBURG							
		CYPRESS							
1457 CALVERT DRUG. CO.	GAUEN	CYPRESS	15-88-9E				90		
1428 T. L. CLARK	HIGH-STRAUB UNIT	BIEHL	21-88-9E	20*	153*	1.7	30	20*	163*
1442 FARRAR OIL CO.	POND U	CYPRESS	26,27-88-9E	60*	1402*	12.4	269	60*	876*
		AUX VASES							
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	163	2345	8.0	252	62	1103
		CYPRESS							
1424 OIL MANAGEMENT INC	DRONE-RIDER-MINER	CYPRESS	27-88-9E		340		49*		104*
1450 DENNIS PAINE	WILLIAMS	HARDINSBURG	12-88-9E	"	"	1.4	38		
		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'	PENNSYLVIN	15-88-9E	90*	3009*	3.7	56	50*	486*
1401 SAGER OIL CO	BRADLEY UNIT	BIEHL	17-88-9E		512		169*		217*
1453 SHAKESPEARE OIL	RIDGWAY UNIT	CYPRESS	26-88-9E	27	5256*	3.9	268*	27	5256*
		AUX VASES							
1425 JOE SIMPKINS OIL	INMAN WEST UNIT	TAR SPRINGS	1,12-88-9E,6,7-88-10E	120*	2892*	22.8*	1431*	350**	4391**
		HARDINSBURG			100*		1736*		
		CYPRESS			180*		4492*		
1449 JOE SIMPKINS OIL	NORTH INMAN UNIT	AUX VASES	31-78-10E,6-88-10E	175*	1425*	11.4	94	175*	1425*
1451 JOE SIMPKINS OIL	DOWNEN-MURPHY	AUX VASES	1,2-88-9E	5*	270*	0.1	15	5*	270*
1400 TARTAN OIL CO.	GOEBEL-MC GUIRE-RIDER	AUX VASES	19-88-10E	60*	743*	3.7	77	60*	743*
1458 V. T. DRUG. CO.	A. STRAUB CUMH	TAR SPRINGS	15-88-9E		"		35		150*
		CYPRESS							

in Illinois, 1980—continued

***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER *****													
* FIELD, COUNTY		* PERM OIL		* DATE		* DATE		* WELLS		* ACRES		* SOURCE TYPE	
* PROJ.	* DEPTH	* NET	* POR	* (HD)	* GRAV	* FIRST	* ABD,	* UNDER	* BR	* GRAVEL	(B)	* BRINE	
* NO.	* (FT)	* (FT)	* (%)	* (API)	* INJ,	* INJ,	* PROD,	* INJ,	* PROD	* PRODUCED	(M)	* MIXED	REMARKS

HERALD C, GALLATIN, WHITE													
CONTINUED													
4355													
*4291	1920	15.0	14.6	92		11-69	01-76	2	3	50			PENN SD, PROD (B) *INJ, CURTAILED 6-75
	2700	10.0						2	3	50			
*4212	2715	15.0	14.9	98	39.0	09-57	08-62	2	2	60			PALESTINE (B)
*4211	2890	23.0				02-56	01-71	1	2	30			GRAVEL BED (F)
4362	2300	8.9	20.0	200	38.5	01-63		1	2	60			PAL SD, PROD (B)
4383	2930	9.7	19.0	100	34.8	08-63		2	4	100			PAL SD, PROD (B)
4389	2890	8.0	18.0	75	36.0	10-64		6	6	195			RIVER GRAV, PROD (M)
4426	2310	30.0				01-55		*	6	60			* *INJ, 8USP, 10-74 TO 4-78
4427	2320	12.0				01-71		2	5	60			*ADJ TO ACTIVE WF/ *EST
4348	1425	13.0	19.0	46	33.5	01-62		1	3	59			*ADJ TO ACTIVE WF SINCE 66/ *EST
*4364	1550	8.0	15.1	15		01-62	12-64	3	3	120			*INCL PRIM PROD SINCE 1-62
HICKORY HILL, MARION													
*2625	2640	10.0			36.0	10-65	01-72	1	1	20			PRODUCED (B)
HILL E, EFFINGHAM													
1120	2460	6.0				08-59		1	5	60			PRODUCED (B) *ESTIMATED
1121	2690	6.0				01-61		1	7	170			PRODUCED (B) *ESTIMATED
*1105	2460	13.0	18.0	100	40.0	12-59	12-64	3	15	150			SH SD, PROD (M)
HORD, CLAY													
391	2710	15.0				10-65		1	2	20			PRODUCED (B)
	2780	10.0								30			
HORD & C, CLAY													
* 332	2790	8.6	15.0	862	36.1	09-58	06-70	3	12	340			RIVER, PROD (M)
* 337	2790	5.2	15.8	835	38.0	08-62	06-70	6	4	250			RIVER, PROD (M)
INA, JEFFERSON													
*2008	2640	10.0	22.0	96	37.0	12-60	12-69	3	3	120			PENN SD, PROD (B)
	2770	8.0	13.0	85			12-69	4	3	140			
INGRAHAM, CLAY													
326	2990	10.0				1-75		1	5	140			CYPRESS (B) *ESTIMATED
* 320	3000	5.1	14.2	2450	38.0	12-56	12-60	9	17	297			PENN SD, PROD (B)
INMAN E C, GALLATIN													
1436	2175	12.0	10.5	385	36.8	04-64		3	4	110			SH SD, PROD (M) *ESTIMATED
	2499	21.0	16.5	212				4	4	130			
1455	2100	18.0				7-66		*	3	30			* *EST, *ADJ, TO 1411 SINCE 65
*1422	1975	15.0			37.0	01-59	12-67	1	3	50			*1965-67 ESTIMATED
*1409	2150	18.0	17.5	150	37.7	03-54	12-64	33	35	700			GRAVEL BED (F)
	2440	10.0	16.8	90	38.0			23	24	500			
*1406	2400	5.9	16.5	58	38.0	04-54	12-66	3	1	30			SH SD, PROD (M)
1456	2100	8.0				8-65+		1	1	20			PRODUCED (B) *EST, *ADJ, TO 1411 SINCE 65
*1420	2770	9.0	12.4	8	39.0	11-60	07-62	4	4	80			SH GRAY (F)
1408	1750	10.0	19.0	200	36.5	07-56		17	40	40			GRAVEL BED, PROD (M) *INJECTION DISC, 1980
	1980	15.0			37.2					160			
	2160	18.0			36.8					100			
	2200	14.0			36.5					220			
	2380	24.0			34.4					750			
*1426	1986	13.0			36.0	01-59	12-68	1	2	30			SH SD, PROD (M) *NO DATA 1967-68
	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			SH SD, PROD (M) *NO INJ, 1972-75/ *EST SINCE 69
	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			
	2380	21.8			34.4			12	15	240			
								1	4	40			
*1411	2102	14.0	16.0			07-66	07-78	1	2	30			PRODUCED (B) *NO INJECTION AFTER 73
*1429	2000	7.0	19.6	109	36.0	11-62	10-79	5	8	170			SH SD, PROD (M) *NO INJECTION 73-76
	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			GRAVEL BED (F) *FIRST DATA 66/EST, SINCE 79
	2500	12.0	16.5	40									
1440	2185	10.0			36.0	05-65		4	2	500			SH SD (F)
	2320	10.0											
	2516	10.0											
*1457	2500	11.0				8-55	12-63	*	1	10			* *EST, *ADJ, TO 1402, 03 1955-63
1428	1570	10.0	21.0	75	38.0	01-62		2	5	70			*EST/ TEMP, ADD, 1964-1974
1442	2480	7.0				09-68		2	5	80			GRAVEL BED (F) *ESTIMATED SINCE 1977
	2780	15.0						5	15	210			
*1402	2500	16.5	13.5	40	38.6	05-55	12-63	10	7	110			PENN SD, PROD (B) *INCL 1403
*1403	2180	11.0	13.0		36.1	03-57	03-63	3	7	90			PENN SD, PROD (B) *INCL WITH 1402
1438	2080	18.0				01-72		5	5	100			SHALLOW WELL (F)
	2502	7.0			36.8	11-65							
*1424	2500	8.0				06-66	12-77	4	5	110			PENN SD, PROD (B) *ESTIMATED 1976-77
1450	2300	10.0				1-68		*	1	20			*ADJACENT TO ACTIVE WF
	2480	15.0						*	2	30			
*1404	2560	6.0	18.0	100	35.0	05-57	06-59	1	1	20			PRODUCED (B)
*1415	2122	10.0			36.0	04-86	12-70	4	4	69			SH SD, PROD (M)
1427	1666	8.0				06-60		1	4	60			SH SD, PROD (M) *ESTIMATED
*1401	1726	8.0	15.0	72	36.9	10-57	01-74	1	1	180			PRODUCED (B) *INACTIVE 1972-73
1453	2490	8.0				05-82		1	4	40			PRODUCED (B) *INCLUDES EST, SH 52-73
	2780	14.0								20			
1425	2150	15.0			36.0	09-66		11	7	200			GRAVEL BED (F) *ESTIMATED *INCL ALL PAYS
	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			PRODUCED (B) *ESTIMATED
1451	2810	22.0				01-68		2	1	30			PRODUCED (B) *ESTIMATED
1400	2740	20.0				07-58		1	5	10			*EST/ TEMP, ADD, 1961-1973
*1458	2190	8.0				8-57	6-63	*	1	10			* *EST, *ADJ, TO 1402&1403 1957-63
	2500	18.0						*	1	10			

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.	1980 * 12/80	1980 * 12/80	1980 * 12/80
* * * A,B,D									
* * * P,M									
INMAN W C, GALLATIN CONTINUED									
1423	ZANETIS OIL PROP	SLATON	HARDINSBURG 11-68-9E CYPRESS	283		25			121*
IOLA C, CLAY, EFFINGHAM									
378	CULLUM OIL CO.	MCGEE=HOSS	AUX VASES 22-5N-5E	25*	1161*	1.1	64	25*	1161*
1112	GETTY OIL CO	BURK ROYALTY U	BETHEL 27,34-6N-5E	187	8221	3.8	212	357	3140
* 357 JARVIS BROS. LIGGETT AUX VASES 17-5N-5E 201 31 201									
1113	KARCHMER PIPE	ERVIN=ETCHASON	BETHEL 34,35-6N-5E	65*	1056*	2.9	156	65*	1056*
1110	LADD PETROLEUM	S MASON U	BENOIST 26,27,34,35-6N-5E	828	11462	57.0	990	531	5819
1111	LADD PETROLEUM	KINGWOOD JARVIS U	BENOIST 34,35-6N-5E	548	12528	23.8	695	353	7574
1119	E. M. SELF	WRIGHT	SPAR MTN 27-6N-5E	175*	2258*	7.8	170	175*	2100*
303	SHAKESPEARE OIL	IOLA COOP	TAR SPRINGS 14,15-5N-5E CYPRESS	292	20955*	10.1	1405	292	14878*
* 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	112	3876	2.3	118*	112	3527
376	TEXACO, INC.	PENDER,PHATHER,SPURLN	AUX VASES 2,11-5N-5E	254	2564	4.8	137	254	2323
IRVINGTON, WASHINGTON									
4020	CULLUM OIL CO.	HOLSHER=MASCHOF=ERDES	CYPRESS 9,10-13-1W	80*	1355*	3.3	106	80*	1355*
4026	E M & K OIL CO	KOELLING&STANTON	CYPRESS 23,26-16-1W	200*	4650*	13.6	418*	200*	4650*
4019 FEAR AND DUNCAN RAMN=BRINK BENOIST 14,15,22-13-1W 200* 4915* 8.6 325 200* 4915*									
4009	K W B OIL PROP.	MGMTBROWN UNIT	CYPRESS 23-13-1W	92	1836	5.3	252	94	1723
4002	MARK MAZZARINO	ARNING=KASTEN=HEICHMN	CYPRESS 9-13-1W	195*	3055*	9.2	263	195*	3055*
4018	FRED SEIP	TIEMAN & BUHL	BENOIST 23-13-1W	400*	8855*	19.3	549	400*	8855*
4004	GEORGE THOMPSON	C,KOELLING	BENOIST 15-18-1W	200*	3068*	12.3	324	200*	2628*
IRVINGTON E, JEFFERSON									
2036	N. A. BALDRIDGE	WACKER=MILLER	CYPRESS 30-18-1E	25*	1300*	4.0	147*	25*	1300*
2037	MARK MAZZARINO	HAYES=PITCHFORD=PRESE	BENOIST 30,31-18-1E	50*	890*	5.0	166*	50*	890*
2035	E. M. SELF	KOELLING=WACKER	BENOIST 31-18-1E	40*	1640*	3.6	278*	40*	1640*
IUKA, MARION									
2613	TEXACO, INC.	IUKA	MCCLOSKEY 10,15-2N-4E	28*	63*	5.7	114	26	557
JOHNSON N, CLARK									
* 204	F. A. BRIDGE OIL	BLUCK '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*	21074*	16.7	1140	300*	16118*
* 211 E. A. OLDFIELD V, JONES CABEY 1,3-9N-14W 75 1 2									
203	TALBUTT & SONS	N JOHNSON WF	CABEY 2-9N-14W	80*	5064*	4.4	944	80*	2600*
* 208	TIDEWATER OIL CO	CLARK COUNTY 1	CABEY 2-9N-14W		2418		160		1572
JOHNSON S, CLARK									
* 212	ACHE CASING	M E LARRISON	U PARTLOW 22,27-9N-14W		4424*		163*		3585*
* 213	ACHE CASING	WEAVER=BENNETT	U PARTLOW 27-9N-14W		11359*		528*		9879*
209	TALBUTT & SONS	SOUTH JOHNSON (F=12)	U PARTLOW 27,34,35-9N-14W	150*	73154*	8.3	1730		
* 210	FRANCIS ZAKOWSKI	JOHNSON EXT 1, 2	CLAYPOOL 22,23,26,27-9N-14W		26084*		880*		19762*
JOHNSONVILLE C, WAYNE									
4195	N. A. BALDRIDGE	TALBERT UNIT	AUX VASES 32-1N-6E	4*	1518*	0.2	104	4*	564*
4182	MUFAY OIL CO	PEARL DICKEY	AUX VASES 20-18-6E	2	13	1.6	10	2*	13*
4167	FARRAR OIL CO.	E. JOHNSONVILLE UNIT	AUX VASES 25,36-1N-6E,1-18-6E	150*	11681*	10.3	1160	150*	6492*
* 4163 CHRIS PEARSON LANE=WEAVER OHAMA 9-13-6E 80* 2579* 4.0 255 80* 2377*									
4049	TEXACO, INC.	TALBERT	AUX VASES 17-18-6E		700		125**		700*
4072	TEXACO, INC.	JOHNSONVILLE SU	AUX VASES 9-18-6E	176	8966	3.9	436	172	7311
4089 TEXACO, INC. SIMS UNIT AUX VASES 21,22,27,28,32,33,34-18-6E 996* 17627* 36.6* 2793* 1228* 21616*									
4121	TEXACO, INC.	JOHNSONVILLE U	MCCLOSKEY 21,26,27,28,33,34,35-1N-6E	368*	15758*				
*4122	TEXACO, INC.	JOHNSONVILLE U,	AUX VASES 3,4-18-6E,21,26,27,28,33,34,35-1N-6E	4016	67715	107.3	4729	3815	90583
*4134	UNION OIL CALIF.	CRISP UNIT	MCCLOSKEY 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	ORCHARDOVILLE	AUX VASES 26-1N-5E		513*	0.2	24		225*
4071	EGO OIL CO	JOHNSONVILLE W WF	AUX VASES 23,24-1N-5E	346	2997	3.4	335	131	1368
*4169	FARRAR OIL CO.	W JOHNSONVILLE UNIT	MCCLOSKEY 2-18-5E,35,36-1N-5E		2245		183		620
*4161	KIRBY PETROLEUM	W JOHNSONVILLE	AUX VASES 14,23-1N-5E		1958		347		1000

in Illinois, 1980-continued

 * RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER *

 * FIELD, COUNTY * * * * * NO. OF * * SOURCE TYPE *
 * * * * * PERM OIL * DATE * DATE * HELLS * ACRES * SU= SAND (F)= FRESH *
 * PROJ. * DEPTH * NET * POR * (HD)*GRAV * FIRST * ABD. * * UNDER * BR= GRAVEL (B)= BRINE *
 * NO. * (FT) * PAY * (%) * (API)* INJ. * * INJ. * PROD. * INJ. * PROD= PRODUCED (M)= MIXED * REMARKS *
 * * (FT) * * * * * * * * * * SH= SHALLOW *

INMAN W C, GALLATIN

CONTINUED
 *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) *ESTIMATE W/IF EFFECT SINCE 1962
 1112 2290 40,4 17,3 50 37,5 02-68 13 6 102 PENN SD (B)
 2350 19,6 16,5 15
 2440 6,0 16,0
 * 357 2600 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 19,0 2 5 70
 1110 2280 29,0 10-67 11 14 560 PENN SD (B)
 2350 16,0
 2424 9,0
 1111 2280 29,0 12-67 7 10 268 PENN SD, PROD (B)
 2350 16,0
 2424 9,0
 1119 2360 10-69 1 5 80 PRODUCED (B) *ESTIMATED
 2430 1 6 80
 303 1874 8,0 32,2 01-55 8 11 20 PENN SD, PROD (B) *ESTIMATED
 2125 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
 338 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 18,0 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

IRVINGTON E, JEFFERSON

4019 1530 10,0 01-56 1 14 160 PRODUCED (B) *ESTIMATED
 4009 1425 19,0 20,0 300 37,4 09-64 3 4 30 PRODUCED (B)
 1940 12,0 18,0 65
 4002 1400 20,0 35,0 11-57 4 19 150 PRODUCED (B) *ESTIMATED
 4018 1530 10,0 01-56 2 12 140 PRODUCED (B)
 4004 1531 10,8 19,0 278 37,2 02-59 2 9 200 PRODUCED (B) *ESTIMATED

IRVINGTON W, 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 1958-1963
 * 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 ABD
 207 460 19,0 19,0 330 03-55 51 71 223 GRAV, PROD (M) 71 *ESTIMATE
 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 18 22 240 GRAV, PROD (M) *ESTIMATED
 * 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 1968-70
 * 213 467 33,0 19,0 285 03-55 12-70 6 7 260 GRAV, PROD (M) *NO DATA 1968-70
 209 490 48,0 16,6 319 30,5 03-49 54 62 504 GRAV, PROD (M) *ESTIMATED SINCE 1970
 * 210 480 19,0 21,0 294 03-55 1-78 30 33 479 GRAV, PROD (M) *ESTIMATE
 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 1 2 40 PRODUCED (B) *EST. +INCL PRIM, 54-68
 4072 3000 8,0 18,6 98 37,0 07-69 5 6 320 PRODUCED (B)
 3100 6,0 12,0 777 37,0
 4089 3045 29,0 16,7 118 38,0 07-67 19 26 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 26 37 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 3050 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 2 3 40 PENN SAND, PROD (B) *INJ. DISC. DEC. 1979
 4071 2916 7,0 38,0 06-71 3 9 160 PENN SAND (B)
 *4169 3072 11,0 13,5 200 37,0 10-63 01-72 2 4 190 PENN SD, PROD (B)
 *4161 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	OIL	WATER			
PROJECT NO., OPERATOR	U S UNIT		S - T - R	INJECTION	PRODUCTION	PRODUCTION	TOTAL CUM.	TOTAL CUM.	TOTAL CUM.
ADD				1980	12/80	1980	12/80	1980	12/80
P.M.									
JOHNSTON CITY E, WILLIAMSON									
4501 S & J RESOURCES INC.	JOHNSTON CITY E U	CYPRESS	15,16-08-3E	40*	2630*	1.6	418		
4503 C. E. BREHM	HUCK UNIT	AUX VASES AUX VASES	8-08-3E	202	1080	24.0	327	150	150*
JOHNSTON CITY N E									
4505 BUFAY OIL CO	MADISON COAL LEASE	AUX VASES	3,4-08-3E	3	47	3.7	158	3*	43*
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	36-08-9E,1-98-9E	100*	1085*	5.1	72	100*	891*
JUNCTION N, GALLATIN									
1445 T. L. CLARK	HIGH LGE	PENNSYLVNIN	33-08-9E		484		29		57*
KEENSBURG S, WABASH									
3867 ALVA C. DAVIS	GARST-EPLER	CYPRESS	34,35-28-13W	80*	2098*	4.9	224	80*	1034*
3991 HERMAN LOEB	FEARHEILEY-THOM-UTLEY	PENNSYLVNIN	10-38-13W	270*	4903*	12.7	373	270*	3337*
3915 VICKERY DRLG.	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 BUK.	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	HIBBAND	2-4,7,9-11,14-16,22- 13N-3W,34,35-14N-3W	2930	11731	110.5	440*	2414	6764
KING, JEFFERSON									
2016 N. A. BALDRIDGE	EBER-GOFF	AUX VASES	22-38-3E		81		1		81
2017 T. L. CLARK	RANDOLPH	AUX VASES	27,34-38-3E	20	1377**	0.9*	200*	20*	1381**
2025 SHAKESPEARE OIL	MACE UNIT	AUX VASES	33,34-38-3E	15	318	3.4	144	15	318
*2013 TEXACO, INC.	BAKER-BUMPU8-SMITH	AUX VASES	33,34-38-3E		1911		62		419
LANCASTER, LAWRENCE, WABASH									
3881 NICK BABARE	SHARP WOOD	BETHEL	4-1N-13W	8*	821*	0.5	145	8*	247*
3954 HAYES-HOLFE BROS	LANCASTER UNIT	BETHEL	4,9-1N-13W,733-2N-13W		5472*	2.6	1245		1431*
2255 STONE OIL CO	HELENA	SPAR HTN	16,21-2N-13W	124	1906	5.1	545	122	1049
LANCASTER E, LAWRENCE, WABASH									
3984 COY OIL CO	FRIENDSVILLE U	BIEHL	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 HERMAN LOEB	LANCASTER SOUTH	BETHEL	21-1N-13W	10*	700*	0.5	122	10*	343*
LAWRENCE, LAWRENCE, CRAWFORD									
2237 ACME CABING	LEWIS	CYPRESS	24-3N-12W	200*	1850*	10.1*	165	200*	1790*
2215 ASHLAND O AND R	BOLLES-WRIGHT UNIT	BETHEL	7,8,17-4N-12W		1589	3.9	71	12	325
2242 BALDWIN, BALDWIN	O'DONNELL	CYPRESS	17-3N-12W	121	4805*	7.3	461	7300	9216*
2291 BALDWIN, BALDWIN	CUMMINS	BRIDGEPORT	6-3N-12W	86	6726*	6.2	430	6205	12021*
		CYPRESS							
2269 FRANCIS BEARD	JENNER	CYPRESS	36-3N-12W	100*	6674*	4.4	343	100*	3654*
		BETHEL							
*2200 GALVAN AMERICAN	PIPER	CYPRESS	2,11-4N-13W		146		6		
*2229 GALVAN AMERICAN	WALLER	CYPRESS	5,6-2N-11W		828		12		
2236 CHARLES E. CARR	L GILLESPIE	BRIDGEPORT	26,35-3N-12W	20*	9687*	1.3	863	120*	8294*
		CYPRESS							
		BETHEL			50*	10035*			
		CYPRESS			20*	1953*			
2241 CHARLES E. CARR	FYPFE	CYPRESS	6-3N-12W,1-3N-13W	20*	6409*	0.6	466	20*	2426*
2244 CHARLES E. CARR	BRIDGEPORT UNIT	CYPRESS	6-3N-12W	40*	7002*	1.4	1163	40*	5142*
2245 CHARLES E. CARR	S GILLESPIE	CYPRESS	26-3N-12W	60*	3024*	2.5	224	60*	1581*
		BETHEL							
2252 CHARLES E. CARR	BOWER-ROSS	CYPRESS	29-4N-12W	200*	3983*	9.5	289	200*	3442*
2253 CHARLES E. CARR	FYPFE #39	CYPRESS	31-4N-12W	50*	2644*	2.2	427	50*	2465*
2258 CHARLES E. CARR	COOPER-DAVIS	CYPRESS	6,7-3N-12W	20*	2173*	0.5	166	20*	2258*
2270 CHARLES E. CARR	GRAY FEE W F	CYPRESS	1-2N-12W		1554		93*		518*
		BETHEL							
2276 CHARLES E. CARR	WITHERS-PELHAM-STATE	CYPRESS	36-3N-12W	10*	2869*	0.6*	283*	10*	1801*
		BETHEL							
2282 NOLAN E. DUNCAN	FYPFE U	CYPRESS	36-4N-13W	42	1596*	1.4	94	42	560*
*2205 WALTER DUNCAN	L.C. DAVID	SAMPLE	8-3N-11W		56				8
2206 T. W. GEORGE EST.	KLONDIKE WF	BETHEL	25,26,33,36-5N-13W		9990		1098		3338
2261 FRANCIS GILLESPIE	BUCHANAN,BREEN,RIDGLY	BRIDGEPORT	10,11-2N-12W	45*	760*	6.3	122	45*	560*
		BIEHL							
*2280 GULF OIL CO	H E GRIGGS	CYPRESS	18-3N-12W		245		6		2
		BENOIST							
2240 MICHAEL HUDDLESTON	VANDERMARK-ALBRECHT	BRIDGEPORT	34-3N-12W	250*	4682*	6.5	489	250*	3017*
		CYPRESS							
*2224 ILLINOIS OIL CO.	FINLEY U	CYPRESS	25-3N-12W		748		38		692
		BETHEL							

in Illinois, 1980—continued

RESERVOIR STATISTICS (AV. VALUE) DEVELOPMENT AS OF 12-31-80 INJECTION WATER														

FIELD, COUNTY	NO. OF WELLS	ACRES	SD	SOURCE	TYPE									
PROJ. NO.	DEPTH (FT)	NET PAY (FT)	POR (%)	PERM (MD)	OIL (API)	DATE FIRST INJ.	DATE ABD.	NO. OF WELLS	ACRES	SD	UNDER	GR	PRDD	REMARKS

JOHNSTON CITY E, WILLIAMSON														
4501	2300	20.0	14.8	80		02-67		4	5	90		CYPRESS SD (B)		*ESTIMATED SINCE 1977
	2580	6.0	12.2	14				2	5	70				
4503	2580	19.0	16.0		39.0	8-75		2	4	100		PENN SD (B)		*FROM 1980 ONLY
JOHNSTON CITY N E														
4505	2624	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	13.0	15.0	42	32.5	12-62		5	9	130		SH SD, PROD (M)		*ESTIMATED SINCE 1971
*3913	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			39.8	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	2600	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 PRIM PROD
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		2	2	20		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 POND, PROD (M)		*INJ. DISC. 1977
2259	2720	7.0				07-71		5	8	300		PENN SD (B)		
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)		*ESTIMATED
3916	2520	10.0			36.0	01-55		2	6	80		PRODUCED (B)		*ESTIMATED
LAWRENCE, LAWRENCE, CRAWFORD														
2257	1580	20.0				08-67		9	7	180		PENN SD (B)		*ESTIMATED
2215	1680	10.0	15.0	20	38.0	07-66		7	7	120		PURCHASED (F)		*INJECTION DISCONTINUED 12-78
2242	1500	28.0	16.7	15	38.0	04-59		7	15	160		BUCHANAN, PROD (B)		*EST 1976-79
2291	980	30.0				01-58		5	12	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	1335	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	39.0	18.0	100	35.0	07-59		10	4	45		BUCHANAN SD, PROD (B)		*ESTIMATED
2244	1575	29.0	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				
2282	1650	25.0	18.0	130		12-60		1	2	80		PENN SD, PROD (B)		*ESTIMATED
*2203	1600	6.0				08-56	09-58	1	1	20		RIVER GRAVEL (F)		
*2206	1625	18.0	17.2	80	37.8	06-52	12-60	48	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				4-73								
*2280	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	90	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 BBL)					
FIELD, COUNTY	PROJECT	PAY NAME	LOCATION	WATER INJECTION	DIL PRODUCTION	WATER PRODUCTION				
PROJECT NO., OPERATOR	U UNIT		B = T = R	TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	1980 * 12/80	1980 * 12/80	1980 * 12/80	
* * * A B D										
* * * P. M.										
LAWRENCE, LAWRENCE, CRAWFORD										
CONTINUED										
2225	ILLINOIS OIL CO.	GEE-IRWIN U	CYPRESS	36-3N-12W	45*	724*	2.0	51	45*	676*
			BETHEL							
			MCCLOSKEY							
2226	ILLINOIS OIL CO.	DINING HEIRS	CYPRESS	36-3N-12W	60*	1262*	3.1	119	60*	1355*
			BETHEL							
2210	K W B OIL PROP.	MONTNEAL	BRIDGEPORT	29-4N-12W	388	9725	11.4	914	336	6769
			JACKSON							
			CYPRESS							
			BETHEL							
2219	K W B OIL PROP.	MONTROGERS	CYPRESS	14-3N-12W	85	2134	3.0	246	91	1925
			BETHEL							
2254	K W B OIL PROP.	MONTDALRYMPLE	JACKSON	29-4N-12W	131	5682	3.5	530	121	4053
			CYPRESS							
			BETHEL							
2285	K W B OIL PROP.	MONTTHINKLE	BENOIST							
			BRIDGEPORT	26-3N-12W	243	4027	5.6	510	246	4236
			CYPRESS							
			BETHEL							
2211	LAWRENCE OIL CO.	STOLTZ	BRIDGEPORT	32-4N-12W	70*	15099*	2.8	1084	70*	8711*
			CYPRESS							
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*	3655*	3.8*	363*	75*	2249*
			BETHEL							
2275	HERMAN LOEB	BURNS,GRIGGS,ZELLARS	BRIDGEPORT	8-3N-12W	300*	11142*	13.3	643	300*	6238*
			CYPRESS							
2227	D. LOEFFLER ESTATE.	MCCROSKEY HRS	CYPRESS	25-3N-12W	80*	1208*	3.6*	104*	80*	1176*
			BETHEL							
2277	D. LOEFFLER ESTATE.	BUNKER HILL U	BRIDGEPORT	12-2N-12W	80*	3856*	2.6*	185*	80*	1907*
			BETHEL							
2208	MARATHON OIL CO.	CRUMP #40*	CYPRESS	19-4N-12W		2262		283		3228
2209	MARATHON OIL CO.	CRUMP UNIT	CYPRESS	31-4N-12W		2367		173		1749
2213	MARATHON OIL CO.	17 PROJECTS*	JACKSON	73,4N-R12,13W	15228	436262	569.2	52186	18951	332246
			CYPRESS							
			BETHEL							
			BENOIST							
2214	MARATHON OIL CO.	9 PROJECTS*	BRIDGEPORT	T 3,4N R 12,13W	13468	261346	726.1	22333	17888	221249
2216	MARATHON OIL CO.	4 PROJECTS *	MCCLOSKEY	T 3,4N H 12,13W	1929	68385	77.4	5098	1908	47739
2234	MARATHON OIL CO.	ST LOUIS WF 11-M	ST LOUIS	30-4N-12W	55	532	1.3	7	19	58
2247	MARATHON OIL CO.	HARDINGSBURG WF 37-M	HARDINGSBURG	27,34-3N-12W	174	3651	10.6	631	271	2430
2279	MARATHON OIL CO.	RIDDLEY 41-P	RIDDLEY	26,34,35-3N-12W	293	9174	21.8	1314	412	6696
2294	MEPCO, INC.	GEE HRS	CYPRESS	19-3N-11W/24-3N-12W	86	221	5.5	19	84	219
*2204	W. C. MCBRIDE	APPELATE	JACKSON	7-4N-12W, 12-4N-13W		4468		228		3476
			CYPRESS							
			MCCLOSKEY							
*2249	W. C. MCBRIDE	HINKLE	MCCLOSKEY	26-3N-12W		175		24		223
*2251	W. C. MCBRIDE	COMBS	CYPRESS	20-4N-12W		779		65		339
			BETHEL							
2203	MISTY OIL CO	BRIDGEPORT S U	BETHEL	19-3N-12W	75*	2031*	0.2*	179*	75*	931*
2207	NATIONWIDE ENERGY	GRAY AREA	JACKSON	13,14-4N-13W	50*	8222*	3.3	749	50*	5805*
			BETHEL							
			BENOIST							
2266	NATIONWIDE ENERGY	KIRKWOOD-MCPHERSON	CYPRESS	11,12,13,14-3N-12W	140*	3690*	9.7*	291*	140*	3630*
2243	OILFIELD DRUG.	BELL UNIT	CYPRESS	1-3N-13W		2429		172*		998*
2271	DAVID PHILLIPS	BRUNSON-PAYNE-FAITH	CYPRESS	18,19-3N-11W	90*	715*	4.2*	47*	90*	660*
2274	BERNARD PODOLSKY	GILLESPIE AND CALVERT	CYPRESS	15,22-3N-12W		1227*		2.4	186	586
2237	A. BRANDY POWELL	STOLTZ HEIRS	JACKSON	25-4N-13W	100*	1979*	0.2 +	359	50*	967*
			CYPRESS							
			BETHEL							
*2230	HEE, INC.	SNYDER	CYPRESS	30-3N-11W		16		1		69
2222	HUBERT ROSE	LEIGHTY	CYPRESS	32-3N-11W		117		2*		117*
*2217	SHAKESPEARE OIL	S B'PORT U C MILLER C	BETHEL	20,29,30-3N-12W		4902		536		2057
2268	JOE SIMPKINS OIL	COLLINS SCHL	CYPRESS	6-2N-11W/31-3N-11W/	60*	1850*	3.4*	126*	60*	1555*
			SAMPLE	1-2N-12W						
2202	WAYNE SMITH, OP.	C M PERKINS	BRIDGEPORT	32-4N-12W	104	17630	4.4	900	99	6519
			CYPRESS							
2220	WAYNE SMITH, OP.	BUCHANAN	CYPRESS	7-3N-12W	127	3981	3.4	474	124	1377
			BETHEL							
			BENOIST							
2221	WAYNE SMITH, OP.	OSCAR LEIGHTY	CYPRESS	31-3N-11W		2020*	1.0	77		2108*
2233	WAYNE SMITH, OP.	PEPPLE	CYPRESS	30-4N-12W		9826*	0.7	997		4937*
			BETHEL							
2238	WAYNE SMITH, OP.	L M SEED	CYPRESS	21-3N-12W		3391*		15*		2359*
2256	WAYNE SMITH, OP.	BREEN	CYPRESS	24,25-4N-13W		2606*	0.4	178		1027*
			BETHEL							
2259	WAYNE SMITH, OP.	WHITTAKER AREA	CYPRESS	2,10,11-3N-12W	120	11948	8.7	1498	112	5942
			BETHEL							
2260	WAYNE SMITH, OP.	E J SEED	JACKSON	15,16,22-3N-12W	25	2305	8.3	207	17	1211
			CYPRESS							
2265	WAYNE SMITH, OP.	PIPER-ORULL AREA	JACKSON	1,2,11,12-4N-13W	400	15418	10.7	1822	389	8306
			CYPRESS							
			BETHEL							
			BENOIST							
2272	WAYNE SMITH, OP.	HAYWARD AREA	CYPRESS	25,26-3N-12W	37	3044	7.0	694	30	2295
			BETHEL							
*2286	WAYNE SMITH, OP.	BUCHANAN AREA	BRIDGEPORT	2-2N-12W		190		1		2
*2289	WAYNE SMITH, OP.	W.F. GOULD UNIT	CYPRESS	31-3N-12W		1930		5		1539
*2233	TEXACO, INC.	LAWRENCEVILLE FEE	CYPRESS	7,18-3N-11W		524		13		134
2239	ZANETIS OIL PROP	WAYNE HEIRS	AUX VABES	28-3N-11W	16	380	2.2	50	16*	380*
			MCCLOSKEY							
*2264	ZANETIS OIL PROP	CASSIL	CYPRESS	36-4N-13W		62		57		197
2282	ZANETIS OIL PROP	CARLSON	BUCHANAN	15-3N-12W	307	4495	11.5	380	307*	4495*
			CYPRESS							
			BETHEL							
			MCCLOSKEY							
2283	ZANETIS OIL PROP	HUDSON WF	CYPRESS	18-3N-11W		718		47*		718*

in Illinois, 1980—continued

RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER														

FIELD, COUNTY														

PROJ. NO.	DEPTH (FT)	NET PAY (FT)	POR (%)	PERM (MD)	OIL GRAV (API)	DATE FIRST INJ.	DATE ABO.	NO. OF WELLS	ACRES UNDER PROD.	SOURCE	TYPE	REMARKS		
										SD=SAND	(F)=FRESH	(B)=BRINE	(M)=MIXED	(H)=SHALLOW

LAWRENCE, LAWRENCE, CRAWFORD CONTINUED														
2225	1530	20.0	18.0	100	36.0	02-67		1	1	20	PRODUCED (H)			*ESTIMATED SINCE 1972
	1630	15.0	16.0	50				1	1	20				
	1780	10.0	15.0					1	1	20				
2226	1590	12.0	18.0	100		12-65		1	2	20	PRODUCED (B)			*ESTIMATED SINCE 1972
	1690	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	25.0	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)			
	1680	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)			
	1590	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	12-68		7	8	180	BUCHANAN, PROD (B)			*ESTIMATED SINCE 1972
	1650	10.0	18.0	15				6	5	120				
2275	890	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	90				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	584	2136+	PROD, FRESH WSH (M)			*JUDY, WESTALL, KING, SUTTON, KIMMEL BOYD, MIDLAUGH, NEWELL, MOORE, THORN GOULD, SEED, GRAY, RYAN, LEIGHTY, JENNER, WISE, GRAY, INCL 2208, 2209 *ROBINS, JOHNSON, KLINGLER, COOPER, BALTZELL, LEWIS, CLARK, FINLEY, GEE *APPLEGATE, WILLIAMS, GILLESPIE, VANDERHARK
	1430	10.0								5600+				
	1530	10.0								2400+				
	1600	8.0								300+				
2214	800	30.0			35.6	08-48		468	478	2096	GRAV, PROD (M)			
2216	1700	20.0		1500		11-56		26	52	1637	GRAV, PROD (M)			
2234	1950	30.0				12-75		1	4	40	PRODUCED (B)			
2247	1350	13.0				09-71		7	11	290	PROD & FRESH (M)			
2279	1230	16.0	17.0	400		08-64		15	29	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	1490	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	1690	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		1	2	30	PENN SD, PROD (B)			*ESTIMATED
	1550	14.0						3	8	130				
	1680	20.0						1	1	20				
*2230	1540	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	16.0	125	36.0	02-55		8	9	100	BUCHANAN SD, PROD (B)			
	1350	20.0	18.0	100										
2220	1970	28.0	17.9	64	37.0	12-65		4	4	110	GRAVEL BED (F)			
	1670	9.0	15.9	37										
	1730	9.0	12.5	2										
2221	1690	15.0	16.5	90	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
	1690	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 7-1; INJ SUSP 79
2256	1530	20.0	16.0	47	37.0	05-60		2	1	70	BUCHANAN SD, PROD (B)			*INACTIVE SINCE 1976
	1675	20.0	12.0	5	37.0									
2259	1520	20.0	18.0	35		11-60		11	18	650	RIVER, PROD. (M)			
	1630	15.0												
2260	1500	5.0				02-61		4	6	40	SH SD (F)			
	1590	16.0												
2265	1310	12.0	18.0	30	38.0	12-61		23	23	500	RIVER, PROD (M)			
	1400	10.0	18.0	35	38.0									
	1525	6.0												
	1595	5.0												
2272	1575	25.0	16.0	20	39.5	12-63		6	16	120	BRIDGEPORT, PROD (B)			
	1650	14.0												
*2266	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	1960	10.0	17.0	20	37.0	02-70	04-73	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 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.	1980	12/80	1980	12/80
* * * ABD				* 1980	* 12/80	* 1980	* 12/80	* 1980	* 12/80	* 1980
* * * P.M.										
LAWRENCE, LAWRENCE, CRAWFORD										
CONTINUED										
2292	ZANETIS OIL PROP	W.H.BG. GILLESPIE	BUCHANAN CYPRESS	15-3N-12W	244	2261	6.1	425*	244	1986
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	35*	365*	1.7	25	35*	385*
LEXINGTON, WABASH										
3658	HOCKING OIL	LEXINGTON U	MCCLOSKEY	26-18-14W	151*	2743*	2.8*	69	151*	911*
LILLYVILLE, CUMBERLAND, EFFINGHAM										
704	GALLAGHER DRILLING	KROGHAN	MCCLOSKEY	31-9N-7E	140	2639*	5.4	310*	70	961*
LIVINGSTON, MADISON										
2500	WILLIAM H. KROHN	KROGER	PENN	17-6N-6W		67		3		
2501	M. W. MCCONNELL	C. AND O. HENKE 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-KERIN-LEITCH	PENN	27,34-6N-6W	100*	1145*	5.3*	92*	100*	995*
2507	FAIRFIELD OIL CO	BLOM-POWLER-RUEHRUPPU	PENN	27-6N-6W	15	764	5.3	115	3	27
2508	R. L. GROSSMAN	QUADE-REPOUSCH	BETHEL	21,22-6N-6W	50*	815*	2.2	52	50*	735*
LOCUST GROVE, WAYNE										
4085	ZANETIS OIL PROP	DAUBS S	AUX VASES	31-1N-9E		399*		25*		150*
LOUDEN, EFFINGHAM, FAYETTE										
1292	N. A. BALDRIDGE	LOUDEN **	CYPRESS	Y7,8N-R3,4E	200+	2572+	44.4	392	200+	2900+
1230	BARGER ENG	SINCLAIR	BETHEL	29-8N-3E	105	5370	10.3	772	105	5308
1243	BARGER ENG	WELKER	BETHEL	31-7N-3E	52	1862	6.1	662	52	4597
1201	W. L. BELDEN	HINTON U	CYPRESS	32-7N-3E		100		11		
1202	W. L. BELDEN	UNIT 25	CYPRESS	24,25-8N-3E	104	7176	2.8	602*	104+	6774+
1209	W. L. BELDEN	B. P. OWENS	CYPRESS	9-7N-3E		757*		3.7		243
1213	W. L. BELDEN	E.C. SMITH	CYPRESS	20-7N-3E	136	1941	5.0	864	136*	2869*
1226	W. L. BELDEN	SATNER	CYPRESS	16,17-7N-3E	111	1988	17.4	443	111*	1452*
1203	D. L. BURTSCHI EST.	D.L. BURTSCHI U	CYPRESS	18-7N-3E	25	1331	3.4	235	25	811
1207	REVIS D. CALVERT	HOMAN	BETHEL	US1						
1215	REVIS D. CALVERT	KOBERLIEN	CYPRESS	29,31,32-7N-3E		16305*	1.9*	1963*	20*	12029*
1233	REVIS D. CALVERT	SAPP	CYPRESS	30-7N-3E		2786*		515		1870*
1255	DORAN OIL PROP.	J.W. ARNOLD	CYPRESS	18-7N-3E	10*	1896*	0.5*	161*	10*	728*
1204	EXXON	LOUDEN	CYPRESS	19-7N-3E	65*	1850*	3.2	120*	65*	1850*
			BETHEL	Y 7,8,9N-R 2,3,4E	47070	1067886*	1182.3	136078*	36626	655699*
			BENOIST							
			AUX VASES							
1216	FRY OIL CO	RHODES-WATSON	CYPRESS	27,33,34-8N-3E	160+	7285+	5.1+	1123**	160+	5447+
1206	GENERAL AMERICAN	DEVORE COOP	BETHEL							
1254	TOM GRACE	BAIL-LONG	CYPRESS	1-7N-2E	183	2958	4.3	400	183	2838
1205	L. B. HOSS TRUST	STEWART AND DIAL	CYPRESS	15-7N-3E	30*	835*	1.4	45*	30*	835*
1225	L. B. HOSS TRUST	EMERSON	CYPRESS	6-7N-3E	23*	1115*	1.1	124	23*	459*
1235	L. B. HOSS TRUST	M. LOGUE	CYPRESS	31-8N-3E	6*	134*	0.2	12	6*	215*
1241	L. B. HOSS TRUST	ARNOLD-MURSN-SEALOCK	BETHEL	18-7N-3E	15*	870*	0.7	41	15*	543*
1242	L. B. HOSS TRUST	LAURA LOGUE	CYPRESS	19-7N-3E	350*	5919*	24.4	798	350*	5762*
1248	L. B. HOSS TRUST	RHODES	CYPRESS	18-7N-3E	28*	406*	1.2	71	28*	406*
1249	L. B. HOSS TRUST	BUZZARD	CYPRESS	18-7N-3E	80*	1361*	3.2	404	80*	1487*
1210	R. L. HOSS	YOLTON	CYPRESS	3-7N-3E				194		1850
			BETHEL	12-7N-2E; 7-7N-3E	140**	5331**	6.9*	832*	140**	4024**
1228	R. L. HOSS	SMITH	CYPRESS	13-7N-2E	40*	2301*	1.8*	229*	40*	1766*
1232	HUGHES PROD.	HOPPER-TOWNSEND-MCLRY	CYPRESS	12-7N-2E	133	3384	7.4	693	277	4234
**1223	HUMBLE O AND R	LOUDEN DEVONIAN*	GENEVA	2,10,11,15,20,21,22,27,28,29,32,33-8N-3E		207361		19241		184970
**1208	JARVIS BROS.	YAKY	CYPRESS	6-7N-3E		2832		286		1923
**1234	KINGWOOD OIL CO.	WELKER	BETHEL	13-7N-2E		115		2		23
1214	KOONS & FRANK EXPL	HOMAN	CYPRESS	29-7N-3E	70*	4916*	3.4	597	70*	5067*
1247	KOONS & FRANK EXPL	KIMBRELL-GOOD	CYPRESS	19-7N-3E	110*	5134*	10.8	630	110*	4798*
1236	M-8-C- CORP	D.L. BURTSCHI	CYPRESS	18-7N-3E	140*	2708*	8.0	331	140*	2362*
1237	M-8-C- CORP	SEFTON	BETHEL	1,12-7N-2E	100*	1774*	6.0	322	100*	2148*
1224	MOBIL OIL CORP.	LOUDEN	CYPRESS	5-7N-3E, 32-8N-3E	1661	39303	39.1	5329*	2046	33576
1227	MOBIL OIL CORP.	BUZZARD BROS.	BETHEL							
			CYPRESS	29-8N-3E	81	2884	4.4	252*	99	2411
**1217	OGOCO, INC.	STOKES-WEILER	BETHEL							
**1212	SHULMAN BROTHERS	LOUDEN EXTENSION	CYPRESS	14-8N-3E		2610		429		1255
			CYPRESS	34,35,36-8N-3E, 2,3-7N-3E		35840		3208*		23587
1229	TEXACO, INC.	LOUDEN SOUTH UNIT	CYPRESS	6,7-6N-3E; 131-7N-3E	1760	33734	44.3	2376*	1574	32477
1244	TEXACO, INC.	LILLY	BETHEL	16-8N-3E	304	4498*	23.8	1150	386	4221*
1108	TRI STAR PROD CO	LOUDEN EXTENSION	BENOIST							
1200	TRI STAR PROD CO	RHODES, MCCLOY	CYPRESS	19-8N-8E		891**	13.8	138	30*	481*
			CYPRESS	26,27,34-8N-3E		1959**	2.0	99	40*	1771*
			BETHEL							
			BENOIST							
1218	TRI STAR PROD CO	N. LOUDEN U	CYPRESS	20,21-7N-3E		19118**	2.3	1629	100*	14621*
1219	TRI STAR PROD CO	S. LOUDEN U	CYPRESS	21,28,29-7N-3E		15985**	4.7	2190	100*	13323*
1220	TRI STAR PROD CO	DURBIN, FORCE AREA	CYPRESS	24,26-8N-3E		2297**	2.2	335*	408	1054**
1221	TRI STAR PROD CO	HIATT	CYPRESS	29-7N-3E		3224*	1.0	494	*	3113*
**1231	TROOP DRILLING	W A EAGLETON	CYPRESS	20-8N-3E		41		62		100*

in Illinois, 1980--continued

***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER *****													
***** FIELD, COUNTY *****													
* PROJ.	* DEPTH	* NET	* PDR	* (MD)	* GRAV	* FIRST	* ASD	* WELLS	* ACRES	* SD	* BAND	(F) * FRESH	* REMARKS
* NO.	(FT)	PAY	(%)	(API)	INJ.	INJ.	* PROD.	INJ.	* PROD.	(M) * MIXED	SH * SHALLOW		

LAWRENCE, LAWRENCE, CRAWFORD													
2292	1290	20.0				12=72		7	7	80		PRODUCED (B)	*INCL, PRIM, PROD, SINCE 1965
	1980	25.0											
LAWRENCE W, LAWRENCE													
*2250	2040	10.0	17.2	36	35.0	12=59	U1=66	8	9	297		SH SD, PHOD (B)	*ESTIMATED
2235	2050	18.0				1=75		4	10	150		PRODUCED (B) ETHEL	
LEXINGTON, WABASH													
3858	2850	9.0	14.0	600	39.0	05=68		3	6	200		SH SD (F)	*ESTIMATED /3=78 +8=79 THRO12=79
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		BENDIST, A.V. SDS (B)	
*2501	525	22.0	16.0		36.0	05=52	12=70	10	10	80		SALEM, PHOD (B)	
*2502	520	20.0			37.0	03=59	08=68	1	3	160		AUX VASES (B)	*NO DATA SINCE 1962
LIVINGSTON S, MADISON													
2509	575	15.0				04=72		1	6	70		PRODUCED (B)	*ESTIMATED
2507	545	35.0	22.8	1421	35.0	10=63		1	10	210		SH SD (F)	
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													
1252						02=72		*	*	*			*INCL WITH EXXON TOTALS +EST ** PURCH FROM EXXON 2=72
1230	1446	25.0				08=60		10	5	80		PRODUCED (B)	
	1524	25.0											
1243	1530	40.0				11=56		3	4	80		TAR SPR, PROD (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			36.0	09=54		1	3	40		TAR SPR, PHOD (B)	*EST, +INJ, SUSP. 1=1=69
1213	1400	20.0	21.0	150	36.0	07=57		4	6	100		TAR SPR, PHOD (B)	*ESTIMATED
1226	1480	30.0				09=68		2	9	200		TAR SPR, PROD (B)	*ESTIMATED
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 7/
1233	1400	30.0	19.0	95		11=62		4	2	40		TAR SPR, PHOD (B)	*ESTIMATED SINCE 1973
1255	1490	25.0				01=66		1	6	80		PRODUCED (B)	*ESTIMATED; +INCL, PRIM, SINCE 66
1204	1500	18.5	19.5	102	36.0	10=50		534*	638*	24599*		TAR SPR, PHOD (B)	*INCL 1252 +ADJUSTED
	1580	11.6	18.3	85									
	1620	15.4	19.1	109									
	1660	14.1											
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	50			
1206	1454	10.0	18.0	43	37.0	07=57		1	6	100		PRODUCED (B)	
1234	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	15.0	19.0					1	1	20			
1241	1490	66.0	20.0		38.0	11=58		1	9	140		PURCHASED (B)	*ESTIMATED
1242	1550	15.0			35.0	08=63		2	2	40		PRODUCED (B)	*ESTIMATED SINCE 1970
1240	1530	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=37		4	4	40		TAR SPR, PHOD (B)	*INCL BOTH PAYS; +EST, SINCE 71
	1540	29.0				07=57		2	2	40			
1226	1504	25.0				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	1554	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)	
1247	1534	22.0				01=59		2	6	40		TAR SPR, PHOD (B)	
1236	1550	15.0			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	1450	18.0	18.4	101	37.0	01=58		26	26	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	25.0	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		14	21	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											
1108	1550	8.0			36.7	01=63			17	900		TAR SPR, PHOD (B)	*INJ, DISC, 78; +EST, 75 THRO 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 1975; +INJ, DISC 78
1220	1495	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		1	2	40		PRODUCED (B)	*INJ, DISC, 1980
*1231	1520	6.0			39.4	04=61		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	OIL	WATER	
PROJECT NO., OPERATOR	U = UNIT		S = T = R	INJECTION	PRODUCTION	PRODUCTION	
ABD				TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	
P.M.				1980 * 12/80	1980 * 12/80	1980 * 12/80	
LOUISVILLE N, CLAY							
* 373 MCKINNEY, FUNDERS	WOLF=PORTER	SPAR HTN	9,10=4N=6E		25	2	20
MCKINLEY, WASHINGTON							
* 4011 JET OIL CO.	FREIMAN=HUNLETH	BENDIST	29=38=4W	151		1	152
MAIN C, CRAWFORD, LAWRENCE, JASPER							
* 667 H. J. ADAMS	H. J. ADAMS W F	ROBINSON	28=8N=12W		1058		
* 602 ASHLAND O AND R	BIROS 1	ROBINSON	9,10,15,16=5N=11W	19507		536	
* 603 ASHLAND U AND R	BIROS 2	ROBINSON	20=5N=11W	2512		114	605
604 BELL BROTHERS	BARRICK	ROBINSON	13=7N=13W	* 1975*	1.2	150	64
652 BLACK&BLACK	YORK #3	ROBINSON	8=7N=12W	11	11	3.6	4
688 PHIL BRURTER	OBLONG	ROBINSON	9=7N=13W	100*	1342*	4.3	103*
* 599 CALIENTE OIL CO	GEORGE L. WALTERS	ROBINSON	2=6N=13W		1632*		32*
* 589 CLARENCE CATT	SPARKS WF NO. 1=M	BETHEL	13=6N=12W		258		11
* 598 CLARENCE CATT	HUDSON WF	BETHEL	6=5N=12W	10*	832*	0.4	30*
* 616 CLARENCE CATT	MC CALL	ROBINSON	1=5N=13W		6		1
643 CLARENCE CATT	EAGLETON UNIT	SAMPLE	1=5N=13W	240*	1988*	12.7	103
590 JOHN M. CHIVETTA	QUICK HRB HARTLERDAD	ROBINSON	29=7N=12W	20	388*	0.5	51*
646 CITATION OIL CO	CONOVER	ROBINSON	19=7N=12W	10*	801*	0.8	39
* 695 JACK COLE	MULLINS	ROBINSON	9=5N=12W		15		8
* 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
* 607 CREST ASSOCIATES	MITCHELL	ROBINSON	24,25=7N=13W		935*		107*
* 615 CREST ASSOCIATES	PORTERVILLE	ROBINSON	25,36=8N=13W		1345		44
* 619 ENERGY RESOURCES	ALEXANDER=REYNOLD*	ROBINSON	19,20=7N=12W		8450*		602*
644 ENERGY RESOURCES	CRAWFORD CO. FLOOD	PENN	6,7=5N=12W	200*	1477*	3.1	55
612 D. W. FRANCHOT	BIROS	ROBINSON	14,15,16,21,22=5N=11W		53049		1529
617 R. M. FRY	WRIGHT FLOOD C	ROBINSON	23,26=6N=13W		8335*		300*
631 HAROLD FUNCANNON	BIROS AREA	ROBINSON	16,20,21,28,29=5N=11W	949	35144	22.7	1615
647 GALLAGHER DRILLING	OBLONG BENDIST	BETHEL	19,20,29,30=7N=13W		1171		386
* 614 GEN. OPERATIONS	LITTLEJOHN	ROBINSON	20=6N=12W		699		34
594 GETTY OIL CO	A.W. MANN	ROBINSON	5,6=5N=12W, 32=6N=12W	522	12439	5.0	498
596 GETTY OIL CO	STIFLE=MCKNIGHT	ROBINSON	7,18=7N=13W	198	4410	6.1	252
597 GETTY OIL CO	ALLEN=AMES DEEP	BETHEL	29=7N=13W	486	6010	4.5	458
630 GETTY OIL CO	BIKCH 1	AUX VASES					
632 GETTY OIL CO	BARRICK=WALTERS	MCCLOSKEY	14=6N=13W	740	8650	5.6	515
633 GETTY OIL CO	GOOD=HAWS	ROBINSON	18,19=7N=12W, 13,24=7N=13W	1601	44949	27.4	1954
* 634 GETTY OIL CO	HOWARD	ROBINSON	16,17,21,22=6N=13W	145	9765	5.3	674
* 635 GETTY OIL CO	AMES	ROBINSON	11=7N=13W		5713		461
636 GETTY OIL CO	DENNIS=HARDIN	ROBINSON	29=7N=13W	271	3848	6.7	350
637 GETTY OIL CO	THOMPSON	ROBINSON	27,34=6N=13W	150	14582	7.0	906
* 641 GETTY OIL CO	STIFLE=DRAKE	ROBINSON	26,27=6N=13W	73	2974	2.6	282
645 GETTY OIL CO	M DRAKE	BETHEL	9,10,16=7N=13W		8369		564
648 GETTY OIL CO	C.M. STIFLE C	AUX VASES	17=7N=13W	76	1958	0.9	23
649 GETTY OIL CO	J.G. MCKNIGHT C	BETHEL	8=7N=13W	12	536	0.1	7
660 GETTY OIL CO	HIGHSWITH	AUX VASES					
* 696 GETTY OIL CO	WALTERS=STANTZ	ROBINSON	20,21=6N=12W	474	8686	6.7	308
* 621 ILL. L&E, OP.	SIEMR=NEWLIN=MOUSER	ROBINSON	14,15=7N=13W		936		58
* 618 G. JACKSON	STANFIELD	ROBINSON	19=7N=13W		288*		28*
613 Koons & FRANK EXPL	CULVER WATERFLOOD	ROBINSON	17=8N=12W		87		5
591 D. R. LEAVELL	BIDLE	ROBINSON	5,6,7=7N=12W		4691*		189*
606 D. R. LEAVELL	GRUGAN (FLOOD 26)	ROBINSON	25=8N=13W	100*	1197*	5.5	52
611 D. R. LEAVELL	OBLONG (FLOOD 25)	ROBINSON	4,5,9=7N=13W	10*	6130*	1.2	441
651 D. R. LEAVELL	SCHUTTE=BIDLE	ROBINSON	5,8,9=7N=13W		9087*		632*
669 D. R. LEAVELL	OBLONG (FLOOD 27)	ROBINSON	32=8N=12W	50*	270*	5.4	32
* 670 D. R. LEAVELL	STIFLE	ROBINSON	8=7N=13W	65*	1791*	2.5	201
691 D. R. LEAVELL	OBLONG (FLOOD 29)	ROBINSON	17=7N=13W		3010*		52*
620 THE MACDONNELL CO	CONDREY AREA	ROBINSON	17=7N=13W		190*		65*
671 THE MACDONNELL CO	KINTLAND U	ROBINSON	6,7=7N=13W, 12=7N=14W	306	716	19.6	439
672 THE MACDONNELL CO	KIRTLAND=DEE	ROBINSON	5=6N=13W	105	7267	2.0	183
623 MARATHON OIL CO.	17 PROJECTS*	ROBINSON	5,6=4N=13W	426	20845	22.6	996
650 MARATHON OIL CO.	FLOOD 99=M	ROBINSON	76,7,8=4N=12,13,14W	10055	487003	305.0	30692
698 MARATHON OIL CO.	THURNTON WF 21=M	BETHEL	17,18,19,20,29=7N=13W	1017	30449	66.1	3197
* 592 MT. CAMEL DRUG.	NEW MEBRON WATERFLOOD	AUX VASES					
* 593 MT. CAMEL DRUG.	STEWART=INGODEN	MCCLOSKEY	22=6N=12W		1562		113
* 624 PARTLOW, COCHNOR	NICH	ROBINSON	36=6N=12W		133		5
* 662 PETROL, PROD. CO	RHODES	ROBINSON	35,36=6N=12W		2716		67
608 PRUDENTIAL OIL	TONILL=HUGHES	ROBINSON	29,32=8N=12W		445		1134
* 625 RED HEAD OIL CO.	QIM	ROBINSON	27,28=6N=13W		6035*		401*
* 663 REE, INC.	MEBERVE UNIT	ROBINSON	25,26=6N=13W		4220*		105*
* 626 E. C. REEVES	BILLINGSLEY COUP	ROBINSON	11=6N=13W		251		1
* 605 H. F. ROBERTS	BISHOP C	ROBINSON	34,35=7N=13W		2736*		89*
622 CURTIS ROSS	DEES=LEWIS=WALL=YOUNG	ROBINSON	19,20=8N=12W		220*		35
693 CURTIS ROSS	SHILTS FLOOD C	ROBINSON	4,9=6N=13W	200*	3628*	12.6	158
* 660 ROYALCO, INC.	OAK RIDGE	BETHEL	8=6N=13W	45*	3689*	2.1	91
* 661 ROYALCO, INC.	DAK RIDGE U	CYPRESS	17=5N=12W		537		*
* 665 ROYALCO, INC.	DENNIS HEIRS U	ROBINSON	17=5N=12W		3213		108*
* 666 ROYALCO, INC.	C.J. BEST	ROBINSON	29,30=7N=13W		22916		1032
* 667 ROYALCO, INC.	STEWART HEIRS	ROBINSON	20,29=7N=13W		2366		109
* 669 ROYALCO, INC.	HULSE=ALLEN	ROBINSON	21=6N=13W		4090		289
* 697 ROYALCO, INC.	DEES C	ROBINSON	12,13=7N=14W		397		75
* 627 SHAKESPEARE OIL	MCINTOSH UNIT	ROBINSON	28=6N=13W		1463		60
* 628 SHAKESPEARE OIL	MONTGOMERY UNIT	ROBINSON	17,18,19,20=6N=12W		396		18
			32,33=6N=12W		516		177

in Illinois, 1980-continued

 * RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER *

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

 REMARKS

NO.	(FT)	PAY	(X)	(API)	INJ.	INJ.	PROD.	INJ.	PROD*PRODUCED	(M) MIXED	REMARKS
LOUISVILLE N, CLAY											
* 373	2800	10.0			11-70	09-72	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											
* 867	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	1090	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 SU (F)
* 616	820	18.0			36.0	05-66	01-70	1	3	40	PRODUCED (B)
* 643	1257	19.0	17.6		33.0	01-68		4	3	80	PRODUCED (B)
	1323	13.0	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		2	8	100	PENN SU (R)
* 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)
* 617	900	15.0	20.0	245	34.0	01-53		9	16	18	PENN, PROD (B)
* 631	950	21.8	19.4	197	30.1	02-52		42	52	685	GRAV, PROD (M)
* 647	1294	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 SU, PROD (B)
* 594	950	20.1	20.0	150	33.0	01-64		10	9	160	BASAL PENN, PROD (B)
	1320	9.0	16.0	40							
* 596	950	17.3	20.0	100	34.0	04-61		8	9	38	PENN SU, 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		13	7	61	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	8	153	SH SU, PROD (M)
* 636	875	33.7	19.8	173	32.7	08-50		17	10	92	PURCHASED (B)
* 637	860	32.9	19.8	108	33.0	09-52		5	3	40	PURCHASED (M)
* 641	980	23.6	18.2	221	33.5	06-52	11-71	19	19	278	PENN SU, PROD (B)
* 645	1364	8.0			36.8	10-71		6	1	80	SH SU, 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							*1980 DATA N/A.
* 649	1412	3.0	11.5	19	34.0	09-72		1	1	10	PURCHASED (B)
	1433	8.0	8.8	2							*NO INJ SINCE 9-78
* 668	920	21.2	20.0	80	35.0	04-59		11	3	121	PENN SU, 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 (R)
* 618	977	30.0	23.0	57	36.0	06-52	08-53	3	3	20	SH SU, 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	20.8	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	33	37.0	01-58		8	8	87	GRAV, PROD (M)
* 670	950	24.4	18.9	85	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)
* 623	920	20.0	19.5	125	34.0	05-48		298	436	5817	GRAV, PROD (M)
* 650	900	20.0	20.0	100		01-74		11	41	2108	PRODUCED (B)
* 698	1340	10.0	15.0	30	38.0	07-63		39	45	1410	GRAV, PROD (M)
	1390	8.0								1410	
	1450	8.0								1050	
* 592	950	14.0	15.8	16	36.0	01-63	10-71	8	14	130	PENN SU (B)
* 593	1310	10.0	16.0	45	34.0	03-64	07-66	2	2	50	PENN SD, PROD (B)
* 824	1006	22.0	24.3	240	26.0	10-54	12-61	5	9	60	LAKE, PROD (M)
* 862	1000	19.0	20.0	75	35.7	09-51	12-56	4	2	40	SH SD, PROD (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	929	20.0	30.0	45		12-53	07-64	6	8	115	PENN SD (B)
* 605	1004	22.4	22.1	156	35.7	11-53	02-60*	26	7	70	SH PH, 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	33.7	10-61	09-69	1	5	420	SH WELL, PROD (M)
* 681	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			38.6	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, M,				* 1980 * 12/80	* 1980 * 12/80	* 1980 * 12/80	
MAIN C, CRAWFORD, LAWRENCE, JASPER							
CONTINUED							
* 628 SHAKESPEARE OIL			4-5N-12W				
* 661 SKILES OIL CORP.	CORRELL-GURLEY COOP	ROBINSON	10-7N-12W	1214	30		227
* 664 SKILES OIL CORP.	WALTER COMM COOP	ROBINSON	1-6N-13W, 3-6-7N-13W	26			29
* 665 SKILES OIL CORP.	WEGER COOP	ROBINSON	18,19-5N-11W 13,24-5N-12W	770	8		109
653 TOM SLIVA	BAKER	ROBINSON	1-7N-14W	*	*	*	*
* 395 JAMES M. STONE			28-7N-12W	55	1		12
* 629 JAMES M. STONE	CLARK-HULSE	ROBINSON	18-7N-13W	5726	303		3981
639 JAMES M. STONE	LEFEVEN-MUSGRAVE		13-7N-14W	3754*	427		2274*
* 638 TIDEWATER OIL CO	HENRY-IKEMIRE	ROBINSON	10,15-7N-13W	4187	470		2401
* 640 TIDEWATER OIL CO	MONTGOMERY-BEITZINGEN	ROBINSON	15,16-5N-11W	1544	67		817
* 642 TIDEWATER OIL CO	WALTER-STYHL COOP	ROBINSON	13,14-7N-13W	991	111		712
* 679 WAUSAU PET. CORP	HIGHSMITH COOP	ROBINSON	31-6N-12W	153*			37*
659 E. L. WHITMER	SANDERS	ROBINSON	26,34,35,36-6N-13W, 1,2,3-5N-13W	300*	7364*	15.7	16U 300*
694 WICHITA INDUSTRIES	FLYNN	ROBINSON	26,35-8N-13W	411*	6432*	11.4	589 334*
* 692 GEORGE WICKHAM	PRICE, KEITH, BAKLON	ROBINSON	8,17-7N-12W	1571	59		4718* 921
MAPLE GROVE C, EDWARDS, WAYNE							
* 1008 ABHLAND O AND R	BENNINGTON 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	HUBBLE	AUX VASES	13-1N-9E	50*	765*	1.3	39 50*
* 1025 L. URBANSKI	MAPLE GROVE	MCCLOSKEY	9,10-1N-10E	1238*		188*	685* 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*	3054*	5.4	46 300*
MARKHAM CITY, JEFFERSON							
* 2003 TIDEWATER OIL CO	NEWTON	STE GEN	1-3S-4E			1	7
MARKHAM CITY W, JEFFERSON							
* 2004 GULF OIL CO	W MARKHAM CITY U	AUX VASES	3,4,9,10-3S-4E	6404		429	4477
* 2020 H DOUBLE L	MARKHAM CITY WEST U	MCCLOSKEY	34,35-2S-4E, 2-3S-4E	300		1	300
MARTINSVILLE, CLARK							
* 214 AMERICAN PUMP	FRODERMAN 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	BENOIST	9,10-6N-5E	140*	2693	3.3	182 140*
MATTOON, COLES							
* 515 ASHLAND O AND R	DEGLER BROS COOP	CYPRESS	3-12N-7E	459		22	174
507 N. A. BALDRIDGE	UDELL	SPAR MTN	10-11N-7E	20*	686*	0.6	30 20*
520 N. A. BALDRIDGE	MATTOON COOP	SPAR MTN	10,11-11N-7E	20*	741*	0.2	76 20*
* 504 UELL CARROLL	MATTOON	CYPRESS	23-12N-7E	189		20	88
* 506 UELL CARROLL	MATTOON	SPAR MTN	23-12N-7E	348		84	173
* 516 UELL CARROLL	CARLYLE 4-A	SPAR MTN	11-11N-7E	47		25	28
523 COLLINS BRUS,	LANDSHAM-HILL	CYPRESS	27-12N-7E	25*	900*	1.0	93 25*
503 WALTER DUNCAN	REDMAN-MACKE	SPAR MTN	23-12N-7E		758	1.9	82 26
511 WALTER DUNCAN	OHM	CYPRESS	2,3-11N-7E	120	3615*	4.2	455 34
514 WALTER DUNCAN	ARTHUR-OLIVER	SPAR MTN	2-12N-7E	138	3523*	2.3	256 134
521 WALTER DUNCAN	COLEMAN UNIT	SPAR MTN	10-11N-7E		974*	0.9	183 64
* 525 WALTER DUNCAN	PAWNEE ROYALTY	SPAR MTN	23-12N-7E		700*		130** 600*
* 524 GORDON OIL CO.	TIVNEN	CYPRESS	35-12N-7E		2000*		180* 1500*
* 501 PHILLIPS PET. CO	TINSLEY	SPAR MTN	22-12N-7E		249		15 144
* 509 SAKAFI OIL CO	NORTH MATTOON UNIT	CYPRESS	10,11-12N-7E		1977		157* 457
500 SCHAEFER OIL CO.	MATTOON	CYPRESS	23,24,25,26,27,34,35, 36-12N-7E; 2,11-11N-7E		34574*	18.1	2146 *
512 SCHAEFER OIL CO.	SOUTH MATTOON UNIT	SPAR MTN	34-12N-7E, 3-11N-7E		11195*	7.2	1248 *
* 519 SCHAEFER OIL CO.	HEKKIMER	SPAR MTN	11-12N-7E		1124*		58* 334*
517 CARL WHITE	G. BRINING	AUX VASES	3-11N-7E	45*	652*	2.3	77 45*
MATTOON N, COLES							
518 ELMER M NOVAK	N.N. MATTOON WF	SPAR MTN	22-13N-7E	25*	1695*	1.5	168 25*
MAUNIE N C, WHITE							
* 4453 COY OIL CO	RAMMING	TAR SPRINGS	24-5S-10E	220*		46**	220*
* 4307 DEVON CORP.	ACKERMAN-BOHLEBER-JSN	OHARA	35-5S-10E		652*		65* 115*
4328 DEVON CORP.	ACKERMAN	AUX VASES	23,26-5S-10E	54	1469*	4.4	102* 54
* 4448 DEVON CORP.	ACKERMAN	SPAR MTN	25-5S-10E		1120*		141 1120*
* 4452 NAPCO	ACKERMAN E	BETHEL	25-5S-10E				144 650
* 4282 LOUIS PESSINA	RIBEYRE ISLAND UNIT	AUX VASES	19,30-5S-14W	817		180	373
4356 REBSTOCK OIL CO.	H B BOHLEBER	WALTERSBURG	26-5S-10E		1088		146 1136
* 4220 RULED OIL CORP.	MAUNIE N U	MC CLOSKEY	18,19-5S-14W		225		338* 2640*
* 4272 G. SCHOONMAKER	MAUNIE W UNIT	AUX VASES	35-5S-10E, 2-6S-10E		2720*		184* 1737*
4368 TRI STAR PROD CO	MAUNIE WF U	PENNSYLVNIN	24,25,36-5S-10E	41*	6595*	10.0	1659 41*

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 S UNIT		S - T - R	TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.			
* * * A B D				* 1980 * 12/80	* 1980 * 12/80	* 1980 * 12/80			
* * * P, M, H				* 1980 * 12/80	* 1980 * 12/80	* 1980 * 12/80			
MAUNIE N C, WHITE CONTINUED									
4384 TRI STAR PROD CO		BETHEL							
*4405 WALKER DRUG CO,	GRAY	AUX VASES MCCLOSKEY BETHEL AUX VASES	25-58-10E		69		1		7
MAUNIE B C, WHITE									
4213 ABSHER OIL CO	PALESTINE UNIT	BRIDGEPORT PALESTINE TAR SPRINGS AUX VASES	13,24-68-10E	190*	3890** 13935	19.6*	307*	150**	2815** 12150
4230 MOBIL OIL CORP.	TAR SPRINGS U	TAR SPRINGS	19-68-11E		4748		792		2049
*4239 MOBIL OIL CORP.	MAUNIE COOP	TAR SPRINGS	24,25-68-10E						
4268 MOBIL OIL CORP.	TAR SPRINGS U 2	TAR SPRINGS	24-68-10E		180		11		102
4273 BERNARD PODOLSKY	ARNOLD UNIT	TAR SPRINGS	24-68-10E, 19-68-11E		639		60		209
4265 REBSTOCK OIL CO.	SOUTH CLEAR POND	CYPRESS	7,18-68-11E		848	2.3	266	2	141
		PALESTINE TAR SPRINGS	12-68-10E		2097		141		428
MELROSE, CLARK									
* 227 SHAKESPEARE OIL	MELROSE U	ISABEL	13,24-9N-13W		192		4		2
MILETUS, HARION									
2632 FEAR AND DUNCAN	JONES #1	BENOIST	16-4N-4E	25*	344*	1.6	20	25*	339*
MILL SHOALS, HAMILTON, WAYNE, WHITE									
4410 COY OIL CO	BROWN ET AL	AUX VASES	29,31,32-38-8E	45*	1207*	1.5	134	49*	1101*
4059 CULLUM OIL CO.	FELIX	AUX VASES	12-38-7E;7-38-8E	50*	670*	4.3*	55*	50*	670*
1371 PAUL GRAEHLING	FVIE	AUX VASES	25-38-7E				37		
*1505 BARRON KIDD	GARDNER	AUX VASES	24-38-7E				28		
4382 POOL OIL CO.	MCINTOSH U	AUX VASES	31-38-8E,6-48-8E	50*	6035*	2.4	467	50*	4004*
4386 POOL OIL CO.	MILL SHOALS U	AUX VASES	19,20-38-8E		3811*		257*		3016*
4133 SHULMAN BROTHERS	POORMAN-FOX	AUX VASES	13-38-7E;18,19-38-8E	50*	1532*	4.0	127	50*	738*
1569 TAMARACK PET.	DAUBY-NEWBY SW	AUX VASES	36-38-7E	123	2149	5.2	203	134	1738
4279 TAMARACK PET.	DAUBY-NEWBY NE U	AUX VASES	30,31-38-8E	117	4060	2.0	208	136	2292
*4411 TAMARACK PET.	E. MILL SHOALS	AUX VASES	20,29-38-8E		1319		74		513
4183 TEXACO, INC.	A.J.POORMAN "A" NCT=2	AUX VASES	19-38-8E	31	3245	6.3	176	31	997
4337 TEXACO, INC.	A.J.POORMAN "A" NCT 1	AUX VASES	31,32-38-8E	100	2998	2.2	212	100	1502
1506 SAM TIPPS	B.R. GRAY, TRUSTEE	AUX VASES	1-48-7E		3211		349		1444*
4442 SAM TIPPS	MCINTOSH	AUX VASES	30-38-8E				70		350*
*4363 H. WEINERT EST.	MILL SHOALS UNIT	AUX VASES	30-38-8E		6705		326		3089
*4397 H. WEINERT EST.	WEST MILL SHOALS UNIT	AUX VASES	20,29,30-38-8E		3230		189		
MODE, SHELBY									
3802 CROSSROADS OIL	MODE FIELD	BENOIST	15,16,21,22-10N-4E	45*	606*	3.8	343	45*	616*
MONTROSE N, CUMBERLAND									
708 EGO OIL CO	MONTROSE WF	MCCLOSKEY	34-9N-7E	*	103*	0.2*	11*	*	9*
MT CARMEL, WABASH									
3853 T. M. BANE ESTATE	HARRIS	BIEHL CYPRESS	17-18-12W			11.8	163		
3864 FRMERS PETR COOP	SHAW	CYPRESS	7-18-12W	84	875	1.0	111	84	321
*3918 FRMERS PETR COOP	WABASH UNIT	MCCLOSKEY	5-18-12W		425		89		165
*3941 FIRST NATL PET	SHAW-COURTER	CYPRESS	7-18-12W		259		28		9
*3946 FIRST NATL PET	SHAW-COURTER	BIEHL	7-18-12W		364		69		148
*3919 T. W. GEORGE EST.	NORTH MT CARMEL	CYPRESS	4,5-18-12W		350		29		
3958 T. W. GEORGE EST.	DUNKEL-JOHNSON	CYPRESS	32-18-12W		400		22		
*3884 H AND M OIL CO	C F CHAPMAN	TAR SPRINGS	7,18-18-12W		169		10		83
*3854 HAYES-WOLFE BROS	COTNER	CYPRESS	21-18-12W			0.4	82		
3872 GILBERT A. HIGGINS	CROW-MILLER	CYPRESS	8-18-12W			0.1	99	5*	145*
3983 GILBERT A. HIGGINS	MT CARMEL N U	BIEHL	4,9-18-12W	6*	4276*	0.4	370	6*	1437*
		CYPRESS							
3849 ILL. MID=CONT.	ZIMMERMAN UNIT	CYPRESS	10-18-12W	100*	840*	5.8	45	100*	840*
3887 JUNIPER PETROLEUM C	CLAY MOELLER	CYPRESS	5-18-12W		256		16		191
3890 JUNIPER PETROLEUM C	PALYHRA U	BIEHL	5-18-12W	165	3755	3.2	222	79	1622
		TAR SPRINGS CYPRESS							
3977 JUNIPER PETROLEUM C	W. MT CARMEL	CYPRESS	18,19-18-12W	83	2332	4.5	176	25	984
3923 W. H. MITCHELL	CHAPMAN-COURTER U	CYPRESS	7,18-18-12W	80*	2289*	3.3	342	80*	1688*
3882 H AND M OIL CO.	CAMPBELL HEIRS	CYPRESS	7-18-12W	54*	949*	1.1	45	54*	585*
*3921 ELMER M NOVAK	MT CARMEL U	CYPRESS	17-18-12W		1763		129		
3882 WILLIAM PFEFFER	BAIRD-SCHULER	BIEHL	20-18-12W		160		12*		142*
3922 SMELL OIL CO.	MT CARMEL U	BIEHL	17,18-18-12W	119	14516	11.1	1841	158	11846
		CYPRESS							
*3924 SKILES OIL CORP.	W MT CARMEL	TAR SPRINGS	18,19-18-12W		895		138		513
3883 WAYNE SMITH, OP.	MT CARMEL UNIT	BIEHL	21-18-12W	266	4685	7.8	320	57	2849
		CYPRESS							
3889 SO. TRIANGLE CO.	NORTHEAST MT CARMEL U	BIEHL	16,21-18-12W	597	5590	20.6	409	424	3549
		CYPRESS							
3975 SO. TRIANGLE CO.	BAUMGART-WARE	BIEHL	1-18-13W;6-18-12W		843*	5.0	109	35	692*
3897 SUPERIOR OIL CO.	R.V.Z. UNIT	BIEHL INGB	8,9-18-12W		43*	0.2*	370*	5*	436*
		TAR SPRINGS CYPRESS			421*				
					1936				
3917 TAMARACK PET.	G DUNKEL	BIEHL	5-18-12W		252		28		42*
3873 TEXACO, INC.	KUHN UNIT	BRIDGEPORT	16-18-12W		301		50		292*
		CYPRESS			680				
3875 TEXACO, INC.	STEIN UNIT	TAR SPRINGS	5-18-12W		411		44		178*
		CYPRESS			449				
3876 TEXACO, INC.	GEIGER-STECKLER U	BIEHL	8,9,16-18-12W	220	4311	8.9	484	220	2757
		TAR SPRINGS CYPRESS							
*3879 TEXACO, INC.	COUCH=NOLLER	BIEHL	16-18-12W		279		*		*
3880 TEXACO, INC.	COUCH=NOLLER	CYPRESS	16-18-12W		227		16		79*
*3925 TEXACO, INC.	STEIN LEASE	TAR SPRINGS	8-18-12W		327		100		136
		CYPRESS			263				

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				TOTAL * CUM,	TOTAL * CUM,	TOTAL * CUM,
* * * ABD							1980 * 12/80	1980 * 12/80	1980 * 12/80
* * * P.M.									
NEW HARMONY C, EDWARDS, WABASH, WHITE									
4283 ABBER OIL CO	CALVIN=HON UNIT		TAR SPRINGS 9=48=14W	5*	436*	0.2	441	5*	3110*
			CYPRESS						
			BETHEL						
4313 ABBER OIL CO	C. HUGHES		AUX VASES						
			CYPRESS 17=48=14W	200*	7328*	11.6	552	200*	4764*
			BETHEL						
4335 ABBER OIL CO	BRAMLETT		AUX VASES						
4398 ABBER OIL CO	BRAMLETT		BETHEL 17=48=14W	400*	1769*	24.0*	160*	400*	1881*
			CYPRESS 17=48=14W	80*	2352*	1.5*	332	80*	1426*
			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	HAVENSTEIN		BETHEL 32=18=13W		99		59		8
3897 JOHN L. AULVIN	SEILER		WALTERSBURG 26,27=18=13W	90*	1110*	2.1	70	90*	1097*
			HARDINSBURG						
			BETHEL						
3888 N. A. BALDRIDGE	STERL U		BETHEL 16,17=18=13W	25*	691*	1.0	49	25*	502*
4293 BARGER ENG	FORD *B*		CYPRESS 21=48=14W	32	2424	7.3	320	32	1954
			BETHEL						
			AUX VASES						
3851 FRANCIS BEARD	SMITH, BLS, SHEARER, MAR		TAR SPRINGS 32,33=1N=13W	420*	5630*	21.6	416*	420*	5630*
4274 FRANCIS BEARD	J.J. BOND		CYPRESS 8=48=14W	70*	5726*	3.4	524	70*	2923*
			BETHEL						
			AUX VASES						
4316 BELL BROTHERS	SKILES		CYPRESS 16=48=14W	95	2346	2.9	281	95	1046
			BETHEL						
			AUX VASES						
3845 ALENE BLADES	W. RABER		BETHEL 18=28=13W	25*	185*	4.7	32	25*	185*
4426 C. E. BREHM	JOHNSON=STALLINGS=FORU		CYPRESS 5=58=14W	37	500	4.8	137	37	500
3987 W. E. BRUBECK	EPLER		CYPRESS 5,6=38=13W	13	544	5.1	76	4	264
			BETHEL						
			AUX VASES						
*4219 CALSTAR PET.	FORD *B*		SPAN MTN		1113		104		
3891 R. G. CANTRELL	SCHRODT STATION B U		BETHEL 21=48=14W		1085*	0.4	74		295*
*3980 DELL CARROLL	FRIENDSVILLE FIELD		CYPRESS 3=28=13W		345		80		134
3982 CENTRAL EXPLR CO	FRIENDSVILLE U		CYPRESS 11=18=13W		2158		328*		783*
4303 CONVERS OIL WELL	ALLEN GRAY *H* C		CYPRESS 2,11=18=13W		314**	2.2	98		
4312 CONVERS OIL WELL	PITTON *A* UNIT		AUX VASES 20=48=14W	30**	1352*	3.4	145	80*	800*
3963 COY OIL CO	KENWIN U		AUX VASES 29=48=14W	80*	8448**	6.0*	1311*	100*	3057**
			BIHEL 14,15,22=38=14W	100**					
			BETHEL						
			AUX VASES		90				
4338 COY OIL CO	GRAY		AUX VASES 20=48=14W		814		105		454*
*4339 COY OIL CO	GRAY		BETHEL 20=48=14W		150		*		*
*4368 COY OIL CO	B. R. GRAY		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. R. DUNCAN	DUNKEL		CYPRESS 11=18=13W		115		12		36
4227 FARRAR OIL CO.	BOWMAN'S BEND UNIT		TAR SPRINGS 16,21=58=14W		10295		2478		6691*
4280 FEAR AND DUNCAN	FORD UNIT		DEGONIA 7,8=58=14W	170*	2373*	25.1*	910*	102**	2365**
			WALTERSBURG 8=58=14W	30*	481*				
			BETHEL 7,8=58=14W		27				
			AUX VASES 7,8=58=14W		2619				
			CYPRESS 14=38=14W		9730*		1750*		15774*
			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	60*	293*	6.9	42	60*	263*
4330 V. R. GALLAGHER	GREATHOUSE=WALT, UNIT		WALTERSBURG 32=48=14W		102		122		40
4392 GALLAGHER DRILLING	CALVIN WATERFLOOD C		AUX VASES 22=48=14W	20*	863	4.7	197	10*	176
3907 T. W. GEORGE EST.	EAST MAUD		BETHEL 32,33=18=13W		98		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	7	712	1.0	188	7	213
			BETHEL		352		16		32
3874 GETTY OIL CO	KEENSBURG U		BIHEL 16,17,20=28=13W	1602	26097	43.3	1783	1007	13157
			CLORE						
			CYPRESS						
			BETHEL						
4433 GETTY OIL CO	E.S.DENNIS*A*		MCCLOSKEY 33=48=14W	207	2642	8.2	75	169	780
			ST LOUIS						
4290 LYLE GILLIATT	M E GLAZE COOP		TAR SPRINGS 8,17=48=14W	*	443*	2.0*	644*	40**	2896**
			CYPRESS		366*				
			BETHEL		2352*				
			AUX VASES		1207*				
3844 M AND H OIL CO	J.R.SCHRODT		BIHEL 20,29=28=13W	25	374*	2.5	44	8	340*
3988 M AND H OIL CO	WALTERS		TAR SPR 23=18=13W	140*	2050*	7.1	159	140*	2005*
4242 M AND H OIL CO	O. R. EVANS		BIHEL 4,5=48=14W	80*	9669*	2.6	770	80*	636*
			CYPRESS						
			BETHEL						
			AUX VASES						
4354 M AND H OIL CO	WABASH RIVERBUD U		MCCLOSKEY 33=38=14W	75**	3283**	3.0*	232*	75**	2221**
			BIHEL						
			CYPRESS						
			AUX VASES						
1022 HUMMON OIL CO.	BROSTER		BETHEL 34=28=14W	40*	1930**	2.4	258*	40*	1930**
*3955 IND. FARM BUR.	LANDIS=GOINS		CYPRESS 3=28=13W		62		11		108
3856 J&H OIL CO	SCHAUF		CYPRESS 30=28=13W		*	12.8	139	80*	830*
*3842 F. JAMES	WADDLE		CYPRESS 32=18=13W		*		19**		*
			BETHEL						
3933 JUNIPER PETROLEUM C E MAUD			CYPRESS 32,33=18=13W	171	8148	7.0	815	69	4067
			BETHEL 4,5=28=13W						
3934 JUNIPER PETROLEUM C W MAUD			BETHEL 32=18=13W/3,7=28=13W		2240		497		393
*3956 JUNIPER PETROLEUM C COHLING=RABER			BETHEL 17=28=13W		109		19		26
4416 K W B OIL PROP. MGMT INDIANA STATE=EVANS			CYPRESS 4=48=14W	5	227	1.6	67	10	444

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		0 = Y = R				1980 * 12/80	1980 * 12/80	1980 * 12/80
ABD									
P, M,									
NEW HARMONY C, EDWARDS, WABASH, WHITE									
CONTINUED									
3841	DAVIS LAMBERT	CLELLA EWALD	BETHEL	32-18-13W					
3886	HERMAN LOEB	N MAUD U	CYPRESS	13,24-18-14W	120*	279*	5.7	319	120*
			OHARA						
4218	HERMAN LOEB	FORD	AUX VASES	20,21,22-48-14W		239*		465*	
4294	HERMAN LOEB	GRAY 'C', 'M'	TAR SPRINGS	17,20,21-48-14W	9*	6620*	0.1	880*	5*
			CYPRESS						
			BETHEL						
			AUX VASES						
4305	HERMAN LOEB	FORD 'A'	WALTERSBURG	16,21-48-14W	30*	6076*	0.8	442	30*
			TAR SPRINGS						
			CYPRESS						
			BETHEL						
			AUX VASES						
4329	HERMAN LOEB	M.S. DONALD	BETHEL	21-48-14W	30*	1277*	2.2	315	30*
			AUX VASES			1541**			
3965	LUBOIL COMPANY	HELM C	BIHML	22,23,27-38-14W		646**	13.1*	4609*	17*
			WALTERSBURG			2306**			
			TAR SPRINGS			1188**			
			CYPRESS			513**			
			BETHEL		15	23032			
			AUX VASES			7088**			
3839	M AND M OIL CO.	MARK	TAR SPRINGS	33-1N-13W			1.5	98	15*
3866	M AND M OIL CO.	COWLING U	BIHML	19,20,29,30-28-13W	100	18177*	4.8	2292	100
			CYPRESS						
			CYPRESS						
3959	M AND M OIL CO.	KEENSBURG U	CYPRESS	9-28-13W		10644*		861*	
3961	M AND M OIL CO.	A E SCHULTZ 'A'	CYPRESS	8,17-28-13W	10	2117*	1.0	466*	20
			BETHEL		10	2542*			
3949	MOORE ENG	RABER U	BIHML	19-28-13W; 24-28-14W		1300**	0.7	89	
43843	E. H. MORRIS EST	CENEY	CYPRESS	32-18-13W				62*	
			BETHEL						
43838	MURVIN OIL CO.	KURTZ-JOACHIM	CYPRESS	8,17-28-13W		800*		160**	
			BETHEL						
4226	ELMER M NOVAK	CALVIN	CYPRESS	5,8-48-14W	70*	2774*	9.8*	2966*	170**
			BETHEL		30*	3092*			
			AUX VASES		70*	11816*			
3861	O M AND F OIL CO	KEENSBURG U	BIHML	19-28-13W	75*	865*	4.3	177*	75*
3837	OLDS OIL & CHEM.	COLLINS UNIT	BIHML	20-28-13W	38	153	1.8	6*	7
			CYPRESS						
3932	OLDS OIL & CHEM.	RISLEY ET AL COM.	BENDIST	21-18-13W	34	34			10
4276	PAM-ARK	O. SMITH 1,4,11	CYPRESS	4-48-14W	55*	1407*	2.4	122	55*
			BETHEL						
			AUX VASES						
4275	POOL OIL CO.	CALVIN CONSUD	TAR SPRINGS	9,16-48-14W		10796		1720	
			CYPRESS						
			BETHEL						
			AUX VASES						
3974	PRUDENTIAL OIL	FRIENDS GROVE U	BIHML	3-18-13W; 34-1N-13W	60*	3131*	2.4	219	60*
			JORDAN						
			CYPRESS						
3985	PRUDENTIAL OIL	FOST-LEY UNIT	BIHML	3-18-13W	25*	2250*	1.4	223	25*
			CYPRESS			473*		131*	
43967	RK PET. CORP.	COWLING U	CYPRESS	23,25,26,35,36-28-14W		2867		467	
4317	REBSTOCK OIL CO.	CROSSVILLE LEASE	CYPRESS	20-48-14W	20*	2834*	1.7	63	20*
			BETHEL						
			AUX VASES						
4393	REBSTOCK OIL CO.	DALY 'A'	CYPRESS	17-48-14W	255*	3050*	12.1	219	255*
			BETHEL						
			AUX VASES						
4401	REBSTOCK OIL CO.	NATIONAL BANK WF U	TAR SPRINGS	20,29-48-14W	6*	682*	0.4	181	6*
4440	REBSTOCK OIL CO.	LOHAS	LOOD	14-48-14W	*	*	12.2	136	*
			TAR SPRINGS						
4455	REBSTOCK OIL CO.	07-788	TAR SPRINGS	20-48-14W				58	
			AUX VASES						
3870	HUBERT ROSE	MAUD NW UNIT	WALTERSBURG	27,34-18-13W		2088*		209	
3893	HUBERT ROSE	MAUD U	WALTERSBURG	34,35-18-13W	60	1974*	3.1	390	60
			CYPRESS						
43995	HUBERT ROSE	J.W. REISINGER	CYPRESS	4-28-13W		281*		107*	
3962	ROSSI OIL CO.	A W	CYPRESS	26-18-13W	65*	1201	12.7	269	65*
43892	ROYALCO, INC.	SCHRODT STATION MID U	CYPRESS	34,35-18-13W		560		123	
43300	ROYALCO, INC.	REEVES UNIT C	CYPRESS	28-38-14W		2656		161	
			AUX VASES						
			HCCLOSKEY						
43895	J. W. RUDY DRG.	EPLER FLOOD	WALTERSBURG	6-28-13W		1356*		294*	
1009	SCHROEDER & SNYDER	J SCHROEDER	BETHEL	22,27-28-14W	100*	1589*	5.5	97*	100*
3931	SCHROEDER & SNYDER	SIEGERT BOTTOMS	BETHEL	2,3,10-38-14W	25*	4947*	1.7*	833*	25*
				34,35-28-14W					
43928	SHAKESPEARE OIL	BRINES U	BETHEL	17,20,21,28,29-18-13W		8754		1457	
4216	JOE SIMPKINS OIL	HON-BUMP-CRAWFORD	CYPRESS	32,33-38-14W; 5-48-14W	80*	3580*	15.2*	789*	200**
			BETHEL		40*	562*			
			AUX VASES		80*	3574*			
4217	JOE SIMPKINS OIL	ARROW-MC BRIDE ETAL	HCCLOSKEY	32,33-38-14W; 5-48-14W		762		1	
43320	JOE SIMPKINS OIL	BOULTINGHOUSE	TAR SPRINGS	9,16,17-48-14W		12037*		772*	
			CYPRESS						
			SAMPLE						
			BETHEL						
			AUX VASES						
41016	SKILES OIL CORP.	SIEGERT BOTTOMS	CYPRESS	34-28-14W		62			
43937	SKILES OIL CORP.	BROSTER 'P'	CYPRESS	35-28-14W		186		36	
44222	SKILES OIL CORP.	SMITH-DAVENPORT	CYPRESS	15-48-14W		147		4	
44287	SKILES OIL CORP.	CALVIN-GRIFFIN	CYPRESS	8-48-14W		1			
			BETHEL			109		4	
			AUX VASES						
43997	OHIO PETROLEUM	UPDEGRAFF 'A'	AUX VASES	14-38-14W		429*		104	
3840	80, TRIANGLE CO.	TOWNSEND-WOLFE	WALTERSBURG	14-18-13W	35*	265*	5.2	43	35*
3877	80, TRIANGLE CO.	SOUTH FORDICE U	BETHEL	6,7,8-18-13W	82*	1019*	6.4	109	104**
3896	SPARTAN O AND G	R. HAASE ET AL	OHARA	14-18-13W	50	62	11.7	14	50
3960	SPARTAN O AND G	BELMONT NORTH UNIT	SALEM	18-18-13W	53	239	10.4	58	53*

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		B T R	TOTAL	CUM.	TOTAL	CUM.
* * * ABD				1980	12/80	1980	12/80
* * * P.M.				1980	12/80	1980	12/80
NEW HARMONY C, EDWARDS, WABASH, WHITE							
CONTINUED							
*3085	STONE OIL CO	AKIN FLOOD	CYPRESS	7-38-13W	1076	72	453
			BETHEL				
			AUX VASES				
			MCCLOSKEY				
*4223	SUN OIL CO.	GREATHOUSE	MCCLOSKEY	33-48-14W, 4-58-14W	1088	129	227
*4269	SUN OIL CO.	FORD "A" WATERFLOOD	MCCLOSKEY	18-58-14W	58	13	1
*4235	SUPERIOR OIL CO.	KERN-MON UNIT	TAR SPRINGS	32,33-48-14W	1986	536	891
4236	SUPERIOR OIL CO.	NEW HARMONY FIELD U	AUX VASES	21,27,28,29,32,33,34-48-14W, 3,4,5-58-14W	22	16703+	
4237	SUPERIOR OIL CO.	NEW HARMONY FIELD U	BETHEL	20,27,28,29,32,33,34-48-14W, 3,4,5-58-14W	36	32464+	
4238	SUPERIOR OIL CO.	WALTERSBURG SAND UNIT	WALTERSBURG	4,5,9-58-14W	544*	21451*	11.8**
4302	SUPERIOR OIL CO.	N.H.R. UNIT	TAR SPRINGS	9-58-14W	46	381	4.1
4311	SUPERIOR OIL CO.	NORTHEAST UNIT	WALTERSBURG	14,22,23,26,27,34-48-14W	331	1172	129.3*
			TAR SPRINGS	14W	469	1820*	2883*
			CYPRESS		761	12767	1483*
			BETHEL			2688	15237*
			AUX VASES			1836#	
4326	SUPERIOR OIL CO.	M. E. GIVEN	MCCLOSKEY	33,34-48-14W	1228	9876	
			MCCLOSKEY		187	403	24.5
			ST LOUIS		58	75	59
4390	SUPERIOR OIL CO.	NEW HARMONY FIELD U	JAMESTOWN	27,28,29,32,33,34-48-14W, 3,4,5-58-14W	57	1691	260.9*
4391	SUPERIOR OIL CO.	NEW HARMONY FIELD U	CYPRESS	14W, 3,4,5-58-14W	2392*	69607+	16225*
4454	SUPERIOR OIL CO.	SOUTHWEST UNIT	WALTERSBURG	27,28,29,32,33,34-48-14W, 3,4,5-58-14W	1192	13686	4619*
			TAR SPRINGS	14W, 3,4,5-58-14W	89	5052	69684*
			MCCLOSKEY	33-48-14W, 3,4-58-14W	602	2487	
			ST LOUIS			348	59
3948	A. K. SWANN	HEIL	CYPRESS	7,18-38-13W	75	3295	11.6
*4333	TEXACO, INC.	BRAMLETT	TAR SPRINGS	17-48-14W		163	730
*4334	TEXACO, INC.	BRAMLETT	CYPRESS	17-48-14W		443	13
*4371	TEXAS AMERICAN	FORD	AUX VASES	21-48-14W		229	
3910	UNIVERSAL OPRTNG	PARMENTER	CYPRESS	5-28-13W	15*	334*	131
3986	UNIVERSAL OPRTNG	BUMP	BETHEL				35
4341	WEST DRILLING CO	D. EVANS	CYPRESS	4-28-13W	190*	2595*	17.6
*1028	GEORGE WICKHAM	SCHROEDER	BETHEL				340
			MCCLOSKEY	4-48-14W	33*	1491*	158
			WALTERSBURG	26,27-28-14W		1942*	33*
			CYPRESS				371*
3981	CHARLES P. WOOD	G A STURMAN	BIHEL	10-18-13W		398	283
			CYPRESS				528*
NEW HAVEN C, WHITE							
*4247	ATLANTIC RICHFLO	NEW HAVEN U	TAR SPRINGS	17,18,19,20-78-11E	1844	696	73
			CYPRESS				
4351	FRMERS PETR COOP	WASEM	TAR SPRINGS	24-78-10E	590	22	155
*4388	FRMERS PETR COOP	DEAD RIVER UNIT	TAR SPRINGS	13,18-78-10E	828	452	336
4289	JUNIPER PETROLEUM C	GREATHOUSE ISLAND U	TAR SPRINGS	7-78-11E, 7-78-14W	133*	702*	57*
			CYPRESS			6.6*	59*
4278	SUN OIL CO.	G.N. ROETTICHER	CYPRESS	19-78-11E	72	455	70
NEW MEMPHIS, CLINTON							
417	ELMER DELZE	NEW MEMPHIS SEC.REC.	DEV-SIL	33,34-1N-5W, 3,4-13-9W	550*	9015*	27.6
							443
							550*
							6695*
OAKDALE, JEFFERSON							
2029	FAIRWAY PETROLEUM	HORRELL-NOVAK	AUX VASES	11,14,15-28-4E	1295	85*	1295*
*2014	TEXACO, INC.	GREEN-VANDERHEID	AUX VASES	12-28-4E	554	17	247
OAKDALE N, JEFFERSON							
2018	FRMERS PETR COOP	NORTH OAKDALE UNIT	MCCLOSKEY	3-28-4E	138	1784	2.5
							350
							138
							1643
OAK POINT, CLARK, JASPER							
* 223	M AND E DRLG. CO	B. FINNEY	AUX VASES	31-9N-14W		73	81
225	M AND E DRLG. CO	FINNEY-PINGEWAND	AUX VASES	30,31,32-9N-14W	40*	4165*	1.9
ODIN, MARION							
2600	JOHAN OIL PROP.	ODIN UNIT	CYPRESS	1,12,13-2N-1E, 6,7,18-2N-2E	187	8654*	1.2
							1324*
							187
							391**
OLD RIPLEY, BOND							
6	FARRAR OIL CO.	RIPLEY U	PENN	21,28-5N-4W	*	1248*	*
							95
							425*
OLNEY C, JASPER, RICHLAND							
*3426	BELL BROTHERS	DUNDAS SOUTH UNIT	SPAK MTN	3,10-4N-10E	4020	226	3090
3435	D T DRILLING	NORTH OLNEY U	SPAK 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. L&E, OP.	BESSIE	MCCLOSKEY	23-5N-10E	251	44*	225*
*3414	J. W. RUDY DRLG.	STIFF	MCCLOSKEY	34-5N-10E	159	33	54
*1904	BOHIO PETROLEUM	DUNDAS EAST UNIT	OHANA	14-5N-10E	2003	142	1378
*3408	TEXACO, INC.	EAST OLNEY	MCCLOSKEY	23,24,25,26-4N-10E	3634	269	1286
3420	TEXACO, INC.	OLNEY WATER FLOOD	MCCLOSKEY	27-4N-10E	57	5084	1.5
*1914	TRI-STATE CASING	MILLER-EUNICE	MCCLOSKEY	23-5N-10E		1359	841
							43
							4022
							908
OLNEY S, RICHLAND							
*3422	M V RING	KURTZ-MARTZ	MCCLOSKEY	28-3N-10E		32	
OMAHA, GALLATIN							
1443	EXXON	OMAHA	PALESTINE	33-78-8E, 4-8S-8E	522	11736	54.9
			TAR SPRINGS				877
			AUX VASES				790
1437	T. W. GEORGE EST.	OMAHA S UNIT	AUX VASES	34-78-8E, 3,4-8S-8E	251	4235	8.8
*1414	HUMBLE O AND R	OMAHA	PALESTINE	33-78-8E, 4-8S-8E		5763	3119
1439	JUNIPER PETROLEUM C	CANE CREEK U	AUX VASES	4-8S-8E	10	1190	0.7
*1434	NAPCO	PHILLIPS FLOOD	CYPRESS	32-78-8E		40	61
1447	GEORGE PAYNE	OMAHA S PALESTINE U	PALESTINE	32-78-8E		977	77
1448	GEORGE PAYNE	OMAHA S UNIT	HARDINSBURG	31,32-78-8E, 3,6-8S-8E	130	2716	8.1
			CYPRESS				11.3
			OHARA				136
							68
							725

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***** RESERVOIR STATISTICS (AV. VALUE) ***** DEVELOPMENT AS OF 12-31-80 ***** INJECTION WATER *****														
***** FIELD, COUNTY ***** NO. OF ***** SOURCE ***** TYPE *****														
***** PERM OIL ***** DATE ***** DATE ***** WELLS ***** ACRES ***** SD= SAND ***** (F)= FRESH *****														
***** PROJ. ***** DEPTH ***** NET ***** POR ***** (HD)= GRAV ***** FIRST ***** ABS. ***** UNDER ***** GR= GRAVEL ***** (B)= BRINE *****														
***** NO. ***** (FT) ***** PAY ***** (%) ***** (API) ***** INJ. ***** INJ. ***** PROD. ***** INJ. ***** PROD. ***** (M)= MIXED ***** REMARKS *****														
***** (FT) ***** (FT) ***** (API) ***** INJ. ***** INJ. ***** PROD. ***** INJ. ***** PROD. ***** (M)= MIXED ***** SH= SHALLOW *****														

NEW HARMONY C, EDWARDS, WABASH, WHITE														
CONTINUED														
*3885	2480	14.0				08-70	01-80	3	6	80				PRODUCED, FRESH (M)
	2640	18.0								40				
	2750	22.0								40				
	2830	10.0								60				
*4223	2900	5.0		36.9		08-47	02-57	1	2	90				GRAVEL BED (F)
*4269	2900	7.0		38.0		05-48	07-52	1	1	40				GRAVEL BED (F)
*4235	2250	13.3	17.3	85	37.4	02-54	01-70	1	1	121				GRAVEL BED (F)
4236	2830	8.9	17.9	48	37.0	11-56		2	30	*				RIVER GRAV, PROD (M) *INCL WITH 4390; *INACTIVE 1-70 TO 1-78
4237	2710	12.4	15.4	32	37.0	11-56		3	38	*				RIVER GRAV, PROD (M) *INCL WITH 4390; *INACTIVE 1-70 TO 1-78
4238	2206	43.0	19.2	475	38.0	10-53		1	5	20*				GRAY, PROD (M) *INCL WITH 4390; *INACTIVE 1963-76
4302	2207	10.0	18.0	46	37.0	02-66		6	6	80				GRAVEL BED (F)
4311	2120	10.0	18.0	47	37.0	6-78		8	17	120*				GRAVEL, PROD (M) *INCL ALL PAYS; *INJ SUSP 5-70 TO 6-78; *INJ SUSPENDED
	2193	8.0	16.0	40	36.0	02-66		14	24					
	2600	12.0	18.0	100	36.0	02-66		22	31					
	2741	10.0	16.0	37	36.0	12-66			1					
	2850	19.0	15.0	12	36.0	12-66			2					
	2886	7.0	14.0	295	36.0	10-66		8	13					
4326	2886	2.0	14.0	295	36.0	9-78		2	4	40				PRODUCED (B)
	3086	20.0	6.0	10	39.2		11-79	2	2	40				
4390	707	9.0	20.1	159	33.0	07-70		3	2	3138*				RIVER GRAV, PROD (M) *INCL 4236, 4237, 4391
	2550	10.0	17.0	37	37.0	08-64		113	122	3138				*INCL MILLER AS OF 8-78
4391	2120	10.0	18.0	47	37.0	08-64		22	54	*				RIVER, PROD (M) *INCL WITH 4390
	2210	8.0	17.0	40	37.0	08-65		7	24	*				
4454	2886	7.0	14.0	295	36.0	5-78		10	11	200				PRODUCED (B) *INACTIVE 1980
	3086	20.0	6.0	10	39.2									
3948	2450	15.0				11-55		2	10	140				GRAVEL BED (F)
*4333	2296	16.0		38.3		11-61	01-68	2	4	80				SH SD, PROD (M) *INCL WITH 4335
*4334	2670	25.0		38.3		11-61	12-68	2	3	80				SH SD, PROD (M) *INCL WITH 4335
*4371	2830	25.0				02-63	12-67	1	2	30				GRAY, PROD (M)
3910	2410	13.0		36.9		04-67		1	1	20				PRODUCED (B) *ESTIMATED
	2530	7.0						1	1	20				
3986	2400	15.0				01-62		1	4	70				PRODUCED (B) *ESTIMATED
	2540	10.0						1	4	60				
4341	3000	9.0				10-49		1	4	50				GRAVEL BED (F) *ESTIMATED
*1028	2150	12.0				06-64	06-73	3	6	80				SH SD, PROD (M) *ESTIMATED SINCE 1967
	2640	12.0						2	4	60				
*3981	1780	10.0	16.3	25	33.0	03-61	08-68	1	1	20				PUNCH, PROD (B)
	2235	12.0						2	1	30				
NEW HAVEN C, WHITE														
*4247	2090	7.0	17.3	50	39.0	07-54	05-68	2	4	175				SH SD (F)
	2435	10.0						10	10	260				
*4351	2135	10.0	18.0	350	37.0	07-62	01-74	1	3	90				GRAVEL BED (F) *OPERATION SUSPENDED 1970
*4388	2200	6.0	19.0	98	38.0	09-64	12-74	3	7	78				GRAVEL BED (F)
4289	2148	24.0	18.0	48	37.0	01-66		7	5	442				RIVER GRAV (F) *ILL. PORTION OF THE PROJ. IS 13.9% OF IND-ILL TOTAL
	2476	10.0	14.8	17										
4278	2435	12.0	15.0	45	36.0	08-59		1	4	40				SH SD (F)
NEW MEMPHIS, CLINTON														
417	1960	99.0				06-68		3	23	580				SALEM, PROD (B) *ESTIMATED
OAKDALE, JEFFERSON														
*2029	2900	20.0				01-64	01-74	3	12	150				PRODUCED (B) *ESTIMATED PROD EST 40% PRIM, 1964
*2014	2870	19.0	20.2	120	36.5	08-61	12-64	3	2	100				PENN SD, PROD (B)
OAKDALE N, JEFFERSON														
2018	2931	10.0				06-64		3	4	290				POND, PROD (M)
OAK POINT, CLARK, JASPER														
* 223	1180	20.0		36.6		10-58	12-60	*	*	*				PENN SD (B) *ACREAGE & WELLS INCL WITH 225
225	1190	12.0	13.1	40	36.6	04-67		20*	14*	360*				GRAVEL BED (F) *ESTIMATED; *INCL ACREAGE FOR 223
QUIN, MARION														
2600	1700	19.0	20.0	78	38.0	10-49	10-62	4	9	120				TAR SPR, PROD (B) *SD 1962-75; *SINCE 1976 ONLY
OLD RIPLEY, BOND														
6	600	20.0		36.0		09-57		10	11	110				SH SD, PROD (M) *SD 1962-75; *DATA N/A 1980
OLNEY C, JASPER, RICHLAND														
*3426	2991	4.7	15.4	281	40.0	09-63	01-73	10	7	740				PENN SD (B)
*3435	2950	6.0				09-66	12-72	3	4	210				SH SD, CREEK (F) *ESTIMATED SINCE 1967
*3407	2985	6.0	12.5	41.4		10-56	09-62	5	4	220				PENN SAND (B)
*1903	2925	5.0	12.0			01-61	10-72	1	1	80				PRODUCED (B) *INACTIVE 1970-1972
*3414	2935	7.0		40.0		04-66	01-72	2	2	90				CYPRESS, PROD (B)
*1904	2900	8.0		35.0		04-55	05-61	4	7	120				CYPRESS (B)
*3408	3100	5.3	13.8	522	37.0	03-51	04-71	6	16	458				PRODUCED (B)
3420	3000	13.0	13.8	500	37.0	11-46		1	2	280				PRODUCED (B)
*1914	2940	14.0	16.8	775	40.0	05-54	12-66	1	1	40				PRODUCED (B)
OLNEY S, RICHLAND														
*3422	3150	6.0				06-61	01-62	1	4	50				CYPRESS (B)
OMAHA, GALLATIN														
1443	1700	17.0	18.9	427	31.0	02-69		3	16	425				PRODUCED (B)
	1950	20.0	16.4	20				1		100				
	2650	10.0	9.2	5				1		30				
1437	2710	12.0	12.0	41.5		10-65		5	4	253				PENN SD (B)
*1414	1700	17.0	18.9	427	26.0	10-44	02-69	1	16	280				PRODUCED (B)
1439	2678	30.0		37.6		11-65		1	1	100				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		3	5	133				PRODUCED (B)
1448	2175	12.0	14.0	10	35.0	03-71		6	9	370				SH SAND (F)
	2375	5.0	19.0	50	36.0									
	2725	4.0	13.0	60	37.5									

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.				
* A B D				* 1980 * 12/80	* 1980 * 12/80	* 1980 * 12/80				
* P, M,										
OMAHA, GALLATIN CONTINUED										
1448	GEORGE PAYNE		SPAR MTN							
OMAHA S, GALLATIN, SALINE										
*1432	DAVID ROTSTEIN	WOODLARD	CYPRESS	7-88-8E		164				
OMAHA W, SALINE										
3623	ILL. MID-CONT.	OMAHA WEST	SAMPLE	36-78-7E, 1-88-7E, 6-88-8E	60*	2478*	2.8	169	60*	2273*
ORCHARDVILLE, WAYNE										
4050	ALENE BLADES	LEE, SHELTON & ELLIS	OMAHA	28, 32, 33-1N-5E	70*	240*	8.2	32	70*	240*
4093	RAYMAC PETROLEUM CO.	ORCHARDVILLE	AUX VASES	29-1N-5E	14	435	0.7	111		
ORIENT, FRANKLIN										
1335	V. R. GALLAGHER	ORIENT	AUX VASES	9-78-2E	28*	538	2.0	204	15*	171
OSKALOOSA, CLAY										
342	IVAN R. JONES	OSKALOOSA UNIT	AUX VASES	26, 27, 34, 35-4N-5E	35*	2080*	1.7	137	35*	812*
* 307	TEXACO, INC.	OSKALOOSA UNIT	MCCLOSKEY							
			BENOIST	26, 27, 34, 35-4N-5E		198		1219		3393
PANA, CHRISTIAN										
107	COLLINS BROS.	PANA	BENOIST	34, 35-12N-1E, 3-11N-1E	90*	185*	17.2	37	90*	185*
PARKERSBURG C, EDWARDS, RICHLAND										
*3432	ACME CABING	RIDGLEY	MCCLOSKEY	30-2N-14W		82		7		44
3415	REVIS D. CALVERT	PARKERSBURG	MCCLOSKEY	16, 21-2N-14W		107		26		43
*3424	CONTINENTAL OIL	KOERTGE #B	BETHEL	30-2N-14W		179		6		25
3409	MARATHON OIL CO.	PARKERSBURG U	MCCLOSKEY	8-3N-9E		5134		159*		1859*
1017	V. T. ORLO, CO.	PARKERSBURG U	CYPRESS	6-1N-14W, 31-2N-14W		911		145*		470*
PASSPORT, CLAY										
354	R & R OIL CO	PASSPORT UNIT	MCCLOSKEY	2-4N-8E, 35-5N-8E	20**	1769*	0.9	213	20*	121*
308	SHAKESPEARE OIL	STANLEY-HINTERSHER	MCCLOSKEY	12-4N-8E	15	848	2.4	79*	15	451
327	SHAKESPEARE OIL	PASSPORT U	MCCLOSKEY	11, 12, 14-4N-8E	11	11574	1.3	569	11	7363
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	BENOIST	19, 20-4N-1E	150*	5725*	7.4	287*	150*	5725*
2614	GULF OIL CO	W. PATOKA TRENTON U	TRENTON	1-3N-1W	153	9618	4.2	590	153	9618
*2601	KARCHMER PIPE	PATOKA BENOIST	BENOIST	6-3N-1E, 31, 32-4N-1E		68093		6542		48046
2602	KARCHMER PIPE	PATOKA RUBICLAHE	SPAR MTN	20, 21, 28, 29-4N-1E	90*	6397*	4.3	1609	90*	6592*
*2603	KARCHMER PIPE	STEIN UNIT	CYPRESS	28-4N-1E		220		63		228
PATOKA E, MARION										
2638	HIGHLAND OIL CO	THALMAN	CYPRESS	35-4N-1E		*	12.9	265	80*	1440*
*2629	MOBIL OIL CORP.	F M PEDDICURU	CYPRESS	34-4N-1E		138		7		9
2616	FRED BEIP	HILL	CYPRESS	26-4N-1E		*	8.4	80	40*	405*
2631	SHELL OIL CO.	EAST PATOKA UNIT	CYPRESS	34-4N-1E	642	13103*	18.6	632	404	9062*
			BENOIST							
PATOKA S, MARION										
2640	E. M. BELP	DELAY	CYPRESS	9-3N-1E		*	2.0	110*	16*	1206*
2627	JOE SIMPKINS OIL	PATOKA SOUTH	CYPRESS	4, 5, 8, 9-3N-1E	200*	12660*	9.5	1083	200*	6998*
2619	TRI STAR PROD CO	BENOIST-SANDSTONE U	BENOIST	5-3N-1E	270*	2455	11.4	80	210*	2270
PHILLIPSTOWN C, EDWARDS, WHITE										
4395	ABBMER OIL CO	GANFIELD-PARSON	AUX VASES	7-48-14W	60*	2438*	3.0	319	60*	1445*
4323	N. A. BALDRIDGE	MICHAELS-GREEN-STURM	CYPRESS	30-38-14W	5*	350*	0.3	15	5*	281*
4257	BARGER ENG	PHILLIPSTOWN U	BETHEL							
			AUX VASES							
			DEGONIA	6-58-11E	159	2418	4.2	192	102	2252
4288	BARGER ENG	CALVIN NORTH	TAR SPRINGS							
			OHARAL	25, 36-38-10E	91	261	6.0	12	27	47
4414	BARGER ENG	CLEVELAND	DEGONIA	36-48-10E, 1-58-10E,	254	3978	2.6	430	6*	3656*
4432	BARGER ENG	PHILLIPSTOWN	TAR SPRINGS	31-48-11E	1132	5029	196.2	1009	1114	5595
			PENN	31-48-11E, 36-48-10E						
			AUX VASES							
4249	C. E. BREHM	PHILLIPSTOWN UNIT	PENN	19, 30-48-14W,	30	1886	4.3	214	30	30*
			CYPRESS	30-48-11E						
*4251	BRITISH-AMERICAN	N CALVIN UNIT	PENN	31-38-14W		3686		1215		2777
4349	R. G. CANTRELL	PHILLIPSTOWN U	DEGONIA	1-58-10E, 6-58-11E	100**	2658*	6.1	541	100*	1317*
			TAR SPRINGS							
*4344	COY OIL CO	GREEN	BETHEL	30-38-11E		61		11		8
*4319	DUNCAN LSE-ROY	METCALF	BIENL	31-38-14W		650		30		
4298	EASON OIL CO.	CLARK WATERFLOOD	CLARK	30-48-11E	60*	4266*	3.8**	34**	64**	2208**
			DEGONIA							
			BETHEL			1102*				
1029	FEAR AND DUNCAN	JOHNSON COOP	AUX VASES							
4243	FISK & FISK	RAWLINSON 7	MCCLOSKEY	18-38-11E	60*	1698*	4.3	101	60*	766*
			DEGONIA	29-38-14W	90*	1199*	4.9	129	90*	1123*
			CLORE							
			CYPRESS							
			BETHEL							
			AUX VASES							
4245	FISK & FISK	MORRIS	MCCLOSKEY							
4343	FISK & FISK	SEIFRIED WF	CYPRESS	29-38-14W	8*	221*	0.1	25	8*	221*
			BIENL	30-38-11E	70*	1945*	3.1	124	70*	1032*
			BETHEL							
4373	V. R. GALLAGHER	CLEVELAND TAR SPRGS U	TAR SPRINGS	25-48-10E		376		185		146
4367	V. R. GALLAGHER	KUYKENDALL	CLRK-BRDRPT	25-48-10E	80	2896*	9.0	344	50	1053*
			SUCHANAN							

in Illinois, 1980--continued

***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER *****														
***** FIELD, COUNTY * PERM * OIL * DATE * DATE * NO. OF * SOURCE * TYPE *****														
PROJ.	DEPTH	NET	POR	(MD)	GRAV	FIRST	ABD.	WELLS	ACRES	UNDER	GR	GRAVEL	(B)	BRINE
NO.	(FT)	PAY	(%)	(API)	INJ.	INJ.	PROD.	INJ.	PROD	(M)	MIXED	REMARKS		
***** (FT) * (API) * INJ. * PROD. * INJ. * PROD * (M) * MIXED * SH * SHALLOW *****														
OMAHA, GALLATIN CONTINUED														
1448	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	
ORCHARVILLE, 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														
1335	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	
PAKERSBURG 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	400		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	
PASSPORT, CLAY														
354	3025	10.0	15.0	35	38.0	06-65		3	2	160	PENN SD, PROD (B)		*ESTIMATED; +SHD ONLY	
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	8	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		2	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)			
2616	1360	14.0				2-65		4	4	40			*EST. +ADJ. TO 2631 SINCE 65	
2631	1350	18.0	20.0	139	36.0	06-65		7	12	150	TAR SPR, PROD (B)		*ADJUSTED BY OPERATOR	
	1465	11.0	18.0	120										
PATOKA S, MARION														
2640	1350	7.0				10-64		4	4	80			*ADJ. ACT. WF +EST +INC PRIM 64-77	
2627	1360	15.1				08-64		29	29	980	TAR SPR, PROD (B)		*ESTIMATED	
2619	1456	14.0			36.5	02-64		5	8	200	TAR SPR, PROD (B)		*ESTIMATED 1980	
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 (M)		*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	80	PRODUCED (B)			
	2300	7.0				02-56								
4288	2890	12.0	16.0	50	36.5	3-78		3	4	130	SH SD, PROD (M)			
	3050	8.0	14.0	220	38.6									
4414	1935	15.0				11-67		4	2	110	PRODUCED (B)			
	2385	7.0				05-65								
4432	1350	20.0	20.0	200	36.0	11-73		21	37	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; +SHD 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	16.3	21		01-66		4	7	80			*ALL PAYS	
	2810	14.0				06-60	12-65	4	7	110				
	2920	10.0				09-60		4	7	100				
1029	3116	5.0	12.0	100	37.0	05-64		2	5	140	PENN SD, PROD (B)		*ESTIMATED SINCE 1971	
4243	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				
	3000	12.0						1	2	60				
4245	2700	10.0				07-67		1	3	30	PURCHASED (M)		*ESTIMATED	
4343	1842	14.0	16.2	88	32.0	06-62		2	2	50	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)		*ESTIMATED 1980	
	1490	15.0				07-64				40				

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							1980 * 12/80	1980 * 12/80	1980 * 12/80
* P, M,									
PHILLIPSTOWN C, EDWARDS, WHITE									
CONTINUED									
4307 V. R. GALLAGHER		DEGONIA							
4224 GETTY OIL CO	N PHILLIPSTOWN	PENN	10,19-48-11E	249	6192	25.0	4953	226	3201
*4370 GETTY OIL CO	DENNIS "B" DEEP	DEGONIA							
		CLORE							
		BETHEL	10-48-11E		127		1		14
		AUX VASES							
4458 JUNIPER PETROLEUM C CLEVELAND		MCCLOSKEY							
4204 K W B OIL PROP, HOKTARNOLD		TAR SPRNGS	30-48-10E	30	39	15.4	60*	17	26*
		PENN	6-48-14W	430	4394	34.4	1021	421	3074
		WALTERSBURG							
		AUX VASES							
*4277 KIRBY PETROLEUM	W.P.O.S. UNIT	BETHEL	20,35-48-10E		1791		160		949
*4250 MOBIL OIL CORP.	GRAYVILLE U	CYPRESS	20,29-38-14W		787		144		552
4292 MOBIL OIL CORP.	N CALVIN	BIEHL	30,31-38-11E		1156		426		499
4309 E. H. 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*	884*	1.1	49	20*	752*
4417 PAUL ORTMAN	CECIL & GILLISON	BIEHL	31-38-14W	10*	157*	0.8	62*	10*	142*
4421 LOUIS PESSINA	PHILLIPSTOWN FLOOD	BIEHL	19,30-38-14W	250*	4096*	8.0	434	175*	2394*
4215 PHILLIPS PET, CO	KERN U	TAR SPRINGS	35,36-48-10E,	30	1600	5.6	151	35	175
		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	9.0	438		523
		BETHEL							
		AUX VASES							
*4232 SKILES OIL CORP.	L.O. CLEVELAND	TAR SPRINGS	36-48-10E		48				
4225 SUN OIL CO.	CARR-RENSHAW	CLORE	18-48-14W	130	203*	30.4	319	128	511
		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
*4319 TEXACO, INC.	PHILLIPSTOWN COOP	BETHEL	18-48-14W		909		17		139
		AUX VASES							
		MCCLOSKEY							
4253 WEST DRILLING CO	FLORA UNIT	DEGONIA	24-48-10E		1471		129*		1009*
4306 WEST DRILLING CO	LAURA JOHNSON	DEGONIA	19-48-11E	70*	526*	6.6*	91*	145**	1137**
		AUX VASES		35*	338*				
		OHARA		40*	369*				
PHILLIPSTOWN B, WHITE									
4357 REBSTOCK OIL CO.	GIVEN-BROWN	TAR SPRINGS	11-58-10E		615		146		204*
RACCOON LAKE, MARION									
*2617 TEXACO, INC.	ROBICLARE-MCCLOSKEY U	SPAR HTN	3-1N-1E		1844		187		1909
2626 TEXACO, INC.	RACCOON LAKE UNIT	MCCLOSKEY							
		CYPRESS	3-1N-1E	359	4597	6.4	98	359	5842
		BENUIST			509				
RALEIGH 8, SALINE									
3015 WALTER DUNCAN	SPURLOCK	CYPRESS	2-88-6E		167		53*		82*
3017 FARRAR OIL CO.	RALEIGH UNIT	CYPRESS	35-78-6E, 2-88-6E	60*	5171*	2.9	957	60*	855*
*3005 KEWANEE OIL CO.	RALEIGH U	AUX VASES	10,15,16-88-6E		1874		282		964
RALEIGH 8, SALINE									
3027 BUFAV OIL CO	HARRISBURG NORTH U	WALTERSBURG	27-88-6E		204*		6*		38*
3018 HERMAN GRAHAM	S. RALEIGH U	AUX VASES	20-88-6E	140*	3156*	7.3	261	140*	2424*
3004 ILL. MID-CONT.	RALEIGH UNIT	AUX VASES	20-88-6E		1246		64*		800*
3016 RK PET, CORP.	LEITCH ETAL	AUX VASES	20,21,28,29-88-6E	15*	1340*	0.2	116	15*	324*
RAYMOND E, MONTGOMERY									
2900 DANE PETROLEUM	FOSTER-POGGENPOHL	PENN	15,22-10N-4W		38		6*		15*
RESERVOIR, JEFFERSON									
2030 FRMERS PETR COOP	WHITSON	MCCLOSKEY	21-18-3E	10*	415*	0.4	65*	10*	415*
2031 BURRELL G. MINOR	JOHNSON,MULVNY-8LEDGE	MCCLOSKEY	28,33-18-3E	15*	550*	3.7	95*	15*	550*
RICHVIEW, WASHINGTON									
4016 NICK BABARE	CANTHELL-MARTOCCIO	CYPRESS	2-28-1W	50*	484*	2.9	52	50*	449*
4015 N. A. BALDRIDGE	RICHVIEW	CYPRESS	2-28-1W	100*	3303*	11.3	560	100*	3053*
4012 C. T. EVANS	RICHVIEW UNIT	CYPRESS	2-28-1W	612	8946	6.1	456*	233	3179
4017 E. M. SELF	SKIBINSKI	CYPRESS	10-28-14W	5*	431*	0.2	47	5*	346*
4014 GEORGE THOMPSON	THOMPSON	CYPRESS	35-18-1W/2-28-1W	60*	5359*	5.2	342	60*	3174*
RITTER N, RICHLAND									
*3430 ZANETIS OIL PROP	SE OLNEY U	SPAR HTN	10-3N-1E		92		5		54
ROACHES N, JEFFERSON									
*2009 TEXACO, INC.	ROACHES NORTH UNIT		5,8-28-1E		2590		30		2081
ROCHESTER, WABASH									
3970 ASHLAND O AND R	NORTH ROCHESTER U	PENN	11,14-28-13W		3990*	0.9	457		1864*
3972 ASHLAND O AND R	ROCHESTER COOP	WALTERSBURG							
3968 YINGLING OIL, INC	KENNARD	PENN	14-28-13W		8629*	0.5	288		2079*
		PENN	14-28-13W		11592**		783*		4585**
		WALTERSBURG							
ROLAND C, GALLATIN, WHITE									
4314 ABSHER OIL CO	NORRIS CITY	HARDINSBURG	11,14-68-8E		636*	0.2	65	8*	233*
*4439 N. A. BALDRIDGE	PORTER	WALTERSBURG	12-78-8E		522		39		522
		CYPRESS							
		AUX VASES							
4413 W. & P. BECKER	CROZIER-BILLIMAN	HARDINSBURG	36-58-8E	30*	838*	2.7	56	30*	858*
4324 ENERGY RESOURCES	N ROLAND U	AUX VASES	35-68-8E/2-78-8E	15*	195*	0.9	11	15*	180*
4350 ENERGY RESOURCES	S ROLAND U	CYPRESS	10,11-78-8E	60	1051*	3.2	70	60	767*
		AUX VASES							
1418 EXXON	S. ROLAND	AUX VASES	10,21,22-78-8E		1583		198		896
4258 EXXON	S.W. ROLAND	WALTERSBURG	14,15,16-78-8E	1118	39666	36.7	2861	727	13626
		AUX VASES							

in Illinois, 1980-continued

RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER *												

FIELD, COUNTY	NO.	DEPTH (FT)	NET PAY (%)	PERM (MD)	DIL (API)	DATE FIRST INJ.	DATE ABD.	NO. OF WELLS	ACRES UNDER INJ.	SOURCE	TYPE	REMARKS
NO.	(FT)	(%)	(MD)	(API)	INJ.	INJ.	PROD.	INJ.	SH=SHALLOW			

PHILLIPSTOWN C, EDWARDS, WHITE												
CONTINUED												
4387	1970	16.0				01-67						
4224	1400	10.0				01-70		11	13	191	PENN SAND, PROD (B)	
	1990	16.0				12-67						
	2035	6.0				12-67		3	4	80		
*4370	2843	15.0		34.0		05-71	07-72	2	2	37	PENN SD, PROD (B)	
	2930	25.0						2	2	37		
	3040	23.0						2	2	37		
4458	2294	10.0				4-79		1	4	30	PURCHASED (M)	*INCL OFFSET INJECTION 77-78
4284	1500	25.0	16.5	168		11-67		8	15	160	PENN SAND, PROD (B)	
	2290	5.0										
	2900	10.0	18.0	100								
*4277	2840	11.0	19.5	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	5	9	60	SH SD, PROD (M)	*INCL PRIM PROD 1951-1961
*4369	2700	10.0				08-63	12-63	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 (B)	*ESTI+ADJ TO ACTIV 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)	
	2950	18.0	20.0	60				4	4	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	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		10	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	6.9	14.0	199	36.0	07-61	12-74		3		PRODUCED (B)	
	1925	5.2	11.0	292								
2626	1650	15.0			35.0	03-65		2	5	120	PRODUCED (B)	
	1730	15.0				05-69		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	13.0				01-75		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)	*ESTIMATED
RAYMOND E, MONTGOMERY												
*2900	595	6.0			34.1	08-59	12-67	2	2	20	PENN SD, PROD (B)	*ESTIMATED
RESERVOIR, JEFFERSON												
2030	2720	14.0				10-64		1	1	60	PRODUCED (B)	*EST.+INCL.PRM 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	10-66		5	8	97	TAR SPR, PROD (B)	*INCL PRIM PROD SINCE 3-66
4017	1480	25.0				01-71		1	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												
3970	1285	12.0	19.0	100	40.1	07-60		2	2	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	GRAY, PROD (M)	*INJ. DISC. 1980
3968	1350	30.0	17.0	150	33.0	07-60		5	8	80	SH SD, GRAY (F)	*ESTIMATED +NO DATA SINCE 1975
	1950	20.0	18.0	200	37.0			5	5	80		
ROLAND C, GALLATIN, WHITE												
4314	2575	8.0	18.0	30	36.6	10-69		5	4	110	SH SAND (F)	*ESTIMATED SINCE 1972
*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		
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
	2950	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	629	PENN SD, PROD (B)	
	2900	12.0			39.0							

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 S UNIT		S - T - R	TOTAL * CUM.	TOTAL * CUM.	TOTAL * CUM.	1980 * 12/80	1980 * 12/80	1980 * 12/80	1980 * 12/80
* * * ABD										
* * * P.M.										
ROLAND C, GALLATIN, WHITE CONTINUED										
4266 EXXON	ROLAND AREA U I	CYPRESS	2,11-78-8E	318	10221	31.1	1571	523	9575	
		BETHEL								
		AUX VASES								
4436 FARRAR OIL CO.	MARTIN	AUX VASES	13-78-8E	100*	1045*	6.8	79	100*	1045*	
4396 FEAR AND DUNCAN	MOBLEY-GREER	TAR SPRINGS	25-68-8E	50*	636*	2.2	73	50*	583*	
4361 F. J. FLEMING	DOERNER UNIT WF	WALTERSBURG	12,13-78-8E		1458		80		888	
4262 T. W. GEORGE EST.	PANKEY-MOOREHEAD 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*	693*	2.0	41	40*	449*	
*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	135*	1933*	7.4	179	135*	1438*	
		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	200*	3775*	10.6	278	200*	1534*	
		BETHEL								
		AUX VASES								
4418 DENNIS PAINE	COLLINS-ANDERSON	BETHEL	16-78-8E		193		42*		81*	
4422 PETRO INTERNATIONAL	GENTRY & LOWRY	TAR SPRINGS	13-68-8E	40*	1753*	2.5	140*	40*	1275*	
		CYPRESS								
4310 NEBSTOCK OIL CO.	GEN AMER LIFE	CLORE	1-78-8E	330*	3547*	5.6	149	330*	2826*	
		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*	2127*	4.7	145	80*	1257*	
		BETHEL								
		AUX VASES								
4214 SUN OIL CO.	ROLAND POOL U AREA II	CLORE	1,2,11,12,13,14-78-8E	3173	54851	55.6	3522	3086	28498	
		WALTERSBURG	36-68-8E							
		TAR SPRINGS								
		CYPRESS								
		BETHEL								
4244 SUN OIL CO.	ROLAND WEST U	AUX VASES		587	6365	25.2	370	387	3851	
		CYPRESS	4,9-78-8E							
		BETHEL								
		AUX VASES								
*4260 UNION OIL CALIF.	STOKES-BROWNSVILLE U	SPAR MTN								
4385 UNION OIL CALIF.	WALNUT GROVE U	HARDINSBURG	36-58-8E, 31,32-58-9E, 1,11,12-68-8E, 6-68-9E		16366		2290		9607	
		TAR SPRINGS	7,8,17,18,19-68-9E	1468	30092	53.2	2842	1490	17291	
		CYPRESS								
		PAINTE CREEK								
		BETHEL								
		AUX VASES								
		OHARA								
		SPAR MTN								
*1435 WAUSAU PET. CORP	GOSSETT	MCCLOSKEY								
		CYPRESS	19,20-78-8E		693		81		125	
			16-78-8E							
RUARK, LAWRENCE										
2267 HEPCO, INC.	RUARK WF U	PENN	7-2N-12W	50	1208*	3.1	164	28	672*	
2295 OLDS OIL & CHEM.	KING UNIT	BIEHL	8-2N-12W	18	74	0.9	4	7	20	
RUARK W, LAWRENCE										
2284 HERMAN LOEB	W. RUARK U	BETHEL	12,13-2N-13W	*	6623*	*	884	*	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 #8	BETHEL	20-2N-11W		31					
*2228 OIL RECOVERY, INC	ST FRANCISVILLE	BETHEL	20-2N-11W		90					
ST. FRANCISVILLE E, LAWRENCE										
*2218 SAUER BROTHERS	ALL STATES LIFE	BETHEL	22-2N-11W		3528		267		1145	
ST JACOB, MADISON										
2506 BELLAIN OIL	ELLIS WF	TRENTON	27-3N-6W	65*	2283*	6.0*	135*	65*	1261*	
2503 WARRIOR OIL CO.	TRENTON LINE UNIT	TRENTON	15,16,21,27-3N-6W	309	8908	9.5	646	234	5623	
2505 WARRIOR OIL CO.	S. ST. JACOB UNIT I.	TRENTON	27-3N-6W	286	3410	6.0	108	171	2673	
ST JAMES, FAYETTE										
1238 N. A. BALDRIDGE	WILLIAM SMAIL	CYPRESS	25,36-6N-2E	90*	2121*	4.9	245	90*	2809*	
1245 W. L. BELDEN	ST JAMES	CARPER	25-6N-2E, 30-6N-3E	34	1001	4.3	81*	34*	1001*	
1250 W. L. BELDEN	ST JAMES NORTH	CARPER	19,30-6N-3E	210	2886	3.5	135*	210*	2886*	
1253 M-S-C CORP	SMITH-STEPHENS	CYPRESS	31-6N-3E	300*	10168*	21.2	665	300*	10168*	
1240 MARATHON OIL CO.	ST. JAMES 1-C	CYPRESS	36-6N-2E, 30,31-6N-3E	501	10858	39.4	1514	687	8532	
1222 HENRY ROSENTHAL	WASHBURN	CYPRESS	30-6N-3E		1000		198*		1000*	
1251 HENRY ROSENTHAL	WASHBURN	CARPER	30-6N-3E	260*	3994*	7.2	111	260*	1783*	
1239 TEXACO, INC.	ST. JAMES WF	CYPRESS	25-6N-2E, 30,31-6N-3E	334	7872	8.3	504	484	8019	
STE MARIE, JASPER										
1912 MURVIN OIL CO.	STE. MARIE	SPAR MTN	7-5N-11E				12		*	
*1905 J. R. HANDELPH	STE. MARIE WF	MCCLOSKEY	5,6,7,8-5N-14W		1900		191		62	
*1923 S AND M OIL CO.	STE MARIE U	MCCLOSKEY	1-5N-10E; 8-5N-11E		1620		78		327	
*1920 C. R. WINN	WADE 2	MCCLOSKEY	5,6-5N-14W		657		31		475	

in Illinois, 1980—continued

***** RESERVOIR STATISTICS (AV. VALUE) ***** DEVELOPMENT AS OF 12-31-80 ***** INJECTION WATER *****										
FIELD, COUNTY	NO.	DEPTH (FT)	PERM OIL (HD)	DATE (API)	DATE (INJ)	NO. OF WELLS	ACRES UNDER	SOURCE	TYPE	REMARKS
PROJ.	NO.	(FT)	POR (%)	(HD)	FIRST INJ.	ABD.	SH SAND	GR GRAVEL	(F) FRESH (M) MIXED (H) BRINE	
ROLAND G, GALLATIN, WHITE										
CONTINUED										
4266	2700	20.0	16.6	65	31.6	06-66	12	15	550	PENN SD, PROD (B)
	2775	9.0	12.4	12						
	2900	6.0	13.6	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
*4361	2200	15.0	18.0		31.0	06-62	01-68	4	80	PENN SD, PROD (B) *ESTIMATED
*4262	2620	20.0	14.0	16		10-56	12-58	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)
4373	1991	12.0			38.0	08-67		2	1	20 PALESTINE, PROD (B) *ESTIMATED
*4347	2685	5.0				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		01-67		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		30	28	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)
	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)
4365	2300	12.4				02-67*		14	24	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								
	3060	1.3								
*1435	2550	12.0	18.5	80	38.0	07-64	09-70	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 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) *INCL PRIM PROD SINCE 1-66 +EST
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	19	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)
STE MARIE, JASPER										
*1912	2910	10.0			36.2	11-61	12-65	2	6	160 CYPRESS (B) *D.F., UNKNOWN; +DATA ESTIMATED
*1905	2860	7.0				10-48	12-60	1	14	400 CYPRESS (B)
*1923	2850	8.0	15.0	300	39.0	04-68	12-72	2	7	140 GRAVEL BED (F)
*1920	2822	5.0			37.0	01-66	08-78	1	2	60 RIVER GRAVEL (F)

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.	
* * ABD				1980 * 12/80	1980 * 12/80	1980 * 12/80	
* * P, M							
SAILOR SPRINGS C, CLAY, EFFINGHAM, JASPER							
385 ABCO OIL OP.	CAILTEAUX=MEADLEY	CYPRESS	12=3N=7E	40*	670*	5.6	105*
393	ABSHER OIL CO	SPAR MTN					40*
318	ASHLAND O AND R	CYPRESS	12=3N=7E	20*	360*	2.5	58*
377	ASHLAND O AND R	MCCLOSKEY	16,21=3N=7E		2173		20*
348	BANGERT CASING	CYPRESS	35=4N=7E	46	227*	3.6	46
370	BANGERT CASING	CYPRESS	12,13,14=3N=7E		2687*		192
386	BANGERT CASING	CYPRESS	3,10=3N=7E		210*	2.2	19
1106	WM, & P. BECKER	SPAR MTN	12=3N=7E	18*	676*	2.5	64*
			5=5N=7E,		7552*		18*
			32=6N=7E				5252*
			13=5N=7E				
309 CITIES SERVICE	WYATT	AUX VASES			871		40
359	WALTER DUNCAN	SPAR MTN					446
388	WALTER DUNCAN	CYPRESS	15=5N=7E	237	4495*	9.7	1271
1102	WALTER DUNCAN	CYPRESS	9=5N=7E	511	311*	8.1	215
1116	WALTER DUNCAN	CYPRESS	34=6N=7E	292	2986*	4.4	548
374	J. C. FRANKLIN	CYPRESS	33=6N=7E	110	1010*	3.2	307
			2=3N=7E,35=4N=7E	28	685	1.6	82
389	J. C. FRANKLIN	AUX VASES					16
390	J. C. FRANKLIN	CYPRESS	3=3N=7E	70	70*	0.7	52
1114	J. C. FRANKLIN	CYPRESS	9=3N=7E				6
310	GULF OIL CO	CYPRESS	22=6N=7E	450	2307	5.3	402
339	GULF OIL CO	CYPRESS	26=4N=7E		65		11
1118	GULF OIL CO	CYPRESS	26=4N=7E		315		49
328	C.O.MAGAN	CYPRESS	33=6N=7E			29.2	792
			TAR SPRINGS	45*	3309*	2.2	176
356	JET OIL CO.	CYPRESS	10=5N=7E	593	11977	12.9	1339
1107	JET OIL CO.	MCCLOSKEY	17,20=6N=7E		970		102
329	JUNIPER PETROLEUM C N SAILOR SPRINGS	CYPRESS	2=4N=7E,35=5N=7E	78	4586	3.5	226
							39
							2015
364	K W B OIL PROP. HGHTGOLDSBY=WILSON	SPAR MTN					
		CYPRESS	34=4N=7E	239	3642	12.4	209
375	K W B OIL PROP. HGHTPATTON=SMITH U	AUX VASES					232
1100	KEN=TEX	SPAR MTN	11=3N=7E	39	358	1.8	33
			28,29=6N=7E	35*	4778*	1.7	446
1103	KINGWOOD OIL CO.	MCCLOSKEY					35*
		CYPRESS	28=6N=7E		1834		101
							888
319	LADD PETROLEUM	SPAR MTN					
387	LADD PETROLEUM	CYPRESS	13=5N=7E	122	2756	4.2	173
1117	LADD PETROLEUM	CYPRESS	9=5N=7E			13.4	227
1109	HERMAN LOEB	CYPRESS	33=6N=7E			4.2	80*
352	MAC OIL COMPANY	CYPRESS	22,27,28,34=6N=7E	250*	8176*	5.3	209
391	MAC OIL COMPANY	CYPRESS	9=4N=7E	63	2002	5.9	303
312	W. C. MCBRIDE	CYPRESS	24=5N=7E		945*	2.7	67*
313	W. C. MCBRIDE	CYPRESS	34=4N=7E		622		31
314	W. C. MCBRIDE	CYPRESS	26,35=4N=7E		1845		140
344	W. C. MCBRIDE	CYPRESS	14=3N=7E		98		5
311	MCCOLM, KINCAID	CYPRESS	9,10=3N=7E		989*		81*
336	MCCOLM, KINCAID	CYPRESS	14,15,23=4N=7E		6979		1023
355	MCCOLM, KINCAID	CYPRESS	10=4N=7E		2174		465
362	MCCOLM, KINCAID	CYPRESS	15,22=5N=7E	263	5882	14.5	1190
363	MCCOLM, KINCAID	CYPRESS	10=5N=7E		300*		36*
366	MCKINNEY, FUNDERB	CYPRESS	9,10=5N=7E	66	294	7.0	77
340	MOBIL OIL CORP.	CYPRESS	3=5N=7E		174		46
321	BERNARD PODOLSKY	CYPRESS	15=4N=7E		1608		274
333	BERNARD PODOLSKY	MCCLOSKEY	8,9,16,17=3N=7E	317	4794	8.8	237
371	BERNARD PODOLSKY	MCCLOSKEY	16=3N=7E		231		44
343	RAY=OBBER OIL CO.	MCCLOSKEY	9=3N=7E	53	1093	5.4	26
368	C U REED	CYPRESS	23=4N=7E		118*		7*
369	E B REYNOLDS EST.	CYPRESS	9,16=4N=7E	60*	1166*	2.8	106
379	ROBINSON OIL CO.	CYPRESS	5=5N=7E	85*	1298*	4.3	96
361	HUBERT ROSE	CYPRESS	24,25=5N=7E		31*		36*
350	SHAKESPEARE OIL	SPAR MTN	25,26,35=5N=7E	70*	2436*	2.4	112
315	SHULMAN BROTHERS	CYPRESS	22,27=3N=7E	1	445	0.8	31
316	SHULMAN BROTHERS	CYPRESS	10=3N=7E		1177		28
325	SHULMAN BROTHERS	MCCLOSKEY	16=3N=7E		99		3
367	SO, TRIANGLE CO.	CYPRESS	13=5N=7E		84		5
360	TEXACO, INC.	CYPRESS	11,12,13,14=4N=7E		510		10
			3,4,5,8,9,10=5N=7E,	2619	47018	42.8	3808
			32=6N=7E				2249
365	TEXACO, INC.	CYPRESS	9=5N=7E		1988*	3.4	117
392	TEXACO, INC.	CYPRESS	9=5N=7E			6.1	111
1115	R. O. WILSON II	CYPRESS	15,22=6N=7E	80	700	10.7	259
							66
							567
SALEM C, JEFFERSON, MARION							
2018	T. L. CLARK	SPAR MTN	28,33=1N=2E	18*	2800*	1.7	232
2012	EGO OIL CO	BENIST	21=1N=2E		319*		18*
2024	EGO OIL CO	SPAR MTN	15=1N=2E		178*		33*
2033	EGO OIL CO	SPAR MTN	21=1N=2E		146		20*
2006	EYXON	SPAR MTN	21=1N=2E		17*		17*
2010	EYXON	BENIST	3,4,9,10,15,16=19=2E	1060	33540	106.8	15509
2604	TEXACO, INC.	AUX VASES		754	3141*	16.4	1244
2605	TEXACO, INC.	SPAR MTN	15=1N=2E		1913		96
2606	TEXACO, INC.	BENIST	7,12=N=2E	3552	542107	183.3	42599
2607	TEXACO, INC.	DEVONIAN	7,12=N=2E	47897	495184	905.4	16051
2608	TEXACO, INC.	MCCLOSKEY	7,12=N=2E	11670	484356	276.9	24038
2636	TEXACO, INC.	AUX VASES		24316	600765	248.2	34902
2637	TEXACO, INC.	SALEM U	7,12=N=2E	3109	29832	73.7	1246
		TRENTON	1=2N=2E		806		4
							1567
							13844
							15
SAMSVILLE N, EDWARDS							
1010	ASHLAND O AND R	WEST SALEM	BETHEL		319		7
SCHNELL, RICHLAND							
3439	UNION OIL CALIF.	SCHNELL CONSOL	MCCLOSKEY		858*	0.7	43
			7=2N=9E				327*

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				1980	12/80	1980
* * * ABD							12/80	1980	12/80
* * * P.M.							1980	12/80	1980
SEMINARY, RICHLAND *3410 R. JOHNSON	SEMINARY	MCCLOSKEY	17-2N-10E		889	25			290
SESSER C, FRANKLIN 1343 N. A. BALDRIDGE 1316 WM. & P. BECKER	GALLOWAY OLD BEN COAL FLOOD	AUX VASES	20-58-2E	100*	915**	8.5	150*	100*	915**
		AUX VASES	13,14,23,24-68-1E	350*	8002*	18.8	777*	350*	5485**
			CLEAR CREEK						
1325 FARRAR OIL CO. 1330 FARRAR OIL CO.	SESSER UNIT CHRISTOPHER U	AUX VASES	26,35-58-1E/2-68-1E	90*	2509*	17.1	1018	90*	1205*
		RENAULT	24,25-68-1E1	30*	592*	3.0	82	30*	276*
		AUX VASES	19,30-68-2E						
1306 WILL I LEWIS EST 1339 JOE SIMPKINS OIL	SESSER U SOUTH SESSER UNIT	RENAULT	17,19,20-58-2E	110	1574	5.5	173	110*	75
		AUX VASES	2-68-1E		762*	38	38	110*	647*
SHATTUC, CLINTON 410 T. M. CONREY, JR	SHATTUC WF	CYPRESS BENOIST	27,28-2N-14W	174*	1658*	9.6	187	174*	1119*
SHANNEETOWN 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	18-10N-11E		23839		2721		21092
		2ND SIGGINS	13-10N-10E	68	1224	2.4	285	68	1238
		2ND SIGGINS	25-10N-10E		255		2		103
		2ND SIGGINS	13,14-10N-10E, 7,11,12-10N-11E	1862	110931	69.7	13431	2337	29948*
* 215 OMER H. ODLE 707 CLIFFORD A. PERRY	SIGGINS REEDER	SIGGINS	7-10N-14W 7-10N-11E 24-10N-10E		50*		9*		50*
		2ND SIGGINS		10*	127*	1.0	15	10*	127*
SORENTO C, BOND 7 JACK COLE * 5 JOE A. DULL	YOUNG & VONBERG U. SORENTO SOUTH	PENN LINGLE	32-6N-4W 29-6N-4W	5*	260*	0.3	12	5*	105*
					88		4		57*
STAUNTON W, MACQUIN 2400 HAY E. HOWELL	DEHNE	PENN	16-7N-7W		16*		1*		2*
STEWARTSON, SHELBY 3800 W. L. BELDEN 3801 DONALD W. GESELL	CHAFFEE-HARPER-WABASH MORT MORAN	AUX VASES AUX VASES SPAN MTN	27-10N-5E 27-10N-5E	115 93	2805 2202	13.3 2.0	427* 159	115* 93	2805* 1692
STORMS C, WHITE *4431 ATLAS DRILLING 4204 C. E. BREHM 4438 C. E. BREHM 4241 JACK BROOKOVER 4263 JIM MALEY	HS & GP MANNA R-8 U C. S. AUSTIN W. S. MANNA STORMS PUOL UNIT	TAR SPRIN WALTERSBURG WALTERSBURG PENN WALTERSBURG AUX VASES	28-58-10E 12,13-68-9E 22-68-9E 28-58-10E 2,11-15,22-24-68-9E		1000* 4869 *		58 540 362		1000* 290* 6610*
				346		12.4	198	290	290*
						37.0	362	540*	6610*
				31	580	1.4	36	31	515
				540*	127477*	21.6*	3131	540*	78899*
4457 JIM MALEY *4271 MABEE PET. CORP. 4451 MURVIN OIL CO.	ARMSTRONGSHALL-MYERS STORMS FERGUSON	WALTERSBURG WALTERSBURG BIEHL	1-68-9E 22-68-9E 32-58-10E			6.7	198	35*	1100*
					90				
						1.5	107	10*	830*
4450 O H AND F OIL CO 4248 DENNIS PAINE	LAND ALURIDGE	CLORE WALTERSBURG	32-58-10E/5-68-10E 12-68-9E	45*	945*	3.9	133*	45*	945*
				100*	6691*	3.2*	328*		
4380 DENNIS PAINE 4449 DENNIS PAINE	TRAINOR FECHTER-RICE	AUX VASES TAR SPRINGS CLORE	23-68-9E 22-58-10E		680**	6.0	111		680**
				4*	78*	0.2	12	4*	78*
*4296 BERNARD PODOLSKY	MCQUEEN	PALESTINE DEGONIA CLORE	32-58-10E		1873		210		721
4240 QUABAR, INC. 4415 SO. TRIANGLE CO. 4234 SUN OIL CO. 4399 SUN OIL CO.	PUMEROY STORMS UNIT (WILSON) S STORMS EXTENSION N STORMS EXT CUOP	AUX VASES WALTERSBURG WALTERSBURG WALTERSBURG TAR SPRINGS AUX VASES	28,33-58-10E 22-68-9E 12,13-68-9E 1,12-68-9E/76-68-10E	9* 639*	498* 7478**	0.5 18.4	30 660*	9* 2661*	223* 5865**
				1056	13401*	40.1	754	1129	10823*
				1768	22485	35.8	1078*	1441	19735
*4295 TAMARACK PET. *4327 TAMARACK PET. 4366 TAMARACK PET. *4372 TAMARACK PET. 4285 TARTAN OIL CO.	HANNA CALVERT HANNA "A" HANNA FERGUSON-RUDOLPH	CLORE CLORE BIEHL BIEHL PENN	32-58-10E 32-58-10E 29-58-10E 32-58-10E 22-58-10E		1754 402 932 424		322* 2 78		815* 19 779
				32		1.2		39	
					424				
				15*	502*	0.7	17	15*	270*
STRINGTOWN, RICHLAND *3411 N. C. DAVIES *3412 HELMERICH, PAYNE *3413 SKELLY OIL CO.	STRINGTOWN STRINGTOWN WF PETER VON ALHEN	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 CANMI	OMARA OMARA AUX VASES SPAR MTN	20,29-48-10E 20,29,30-48-10E 12-58-9E		1167** 3200*	0.2* 3.6	60 164*		652** 1740*
				70*	787		292*	70*	336*
4231 T. W. GEORGE EST. 4425 HERTZING PROD. CORP. 4424 SLAGTER PRODUCING	SUMPTER E CHERRY SHOALS UNIT W CROSSVILLE U	AUX VASES SPAR MTN CYPRESS OMARA	29,31,32-48-10E/ 5,6- 58-10E 17,20,21-48-10E 20,29-48-10E	64 40*	4168 1064*	9.4 2.0	344 94*	48 40*	1340 774*
				375*	4375*	17.0	219*	375*	2930*
SUMPTER N, WHITE 4221 SHAKESPEARE OIL 4423 WARRIOR OIL CO.	SUMPTER NORTH U MORRILL	AUX VASES AUX VASES	20,29-48-9E 21-48-9E	86 14	2429 256	2.4 2.9	153 99	85 14	984 256
SUMPTER S, WHITE 4430 FRMERS PETR COOP 4437 K W B OIL PROP, HGHT *4345 SO. TRIANGLE CO. *4346 SO. TRIANGLE CO.	SOUTH SUMPTER JOSEPH JACOBS SUMPTER SOUTH UNIT SUMPTER NORTH UNIT	TAR SPRINGS TAR SPRINGS AUX VASES AUX VASES	34,35-48-9E/2,3-58-9E 34-48-9E 2,3-88-9E 34,35-48-9E	94 5	658 293	16.4 2.0	169 20	94* 5	379* 174
					859		81		371
					642		44		214

in Illinois, 1980—continued

RESERVOIR STATISTICS (AV. VALUE)													DEVELOPMENT AS OF 12-31-80			INJECTION WATER		
FIELD, COUNTY		PERM	OIL	DATE	DATE	NO. OF	ACRES	SOURCE	TYPE									
PROJ. NO.	DEPTH (FT)	NET PAY (FT)	POR (%)	(MD) GRAV (API)	FIRST INJ.	WELLS	UNDER INJ.	SUBSAND	(F) FRESH (B) BRINE (M) MIXED	REMARKS								
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. +ADJUSTED 1980							
1318	2600	18.0		40.0	07-64		8	18	410	PENN SD, PROD (B)	*EST. SINCE 1973; +ADJUSTED							
	4375	20.0		40.0			1	2	60									
1325	2600	15.0	18.0	10	05-65		6	14	360	CYPRESS, PROD (B)	*ESTIMATED SINCE 1977							
1330	2570	10.0		38.0	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 SPR, 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		5	14	80	SURFACE (M)							
* 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)	*NO DATA SINCE 1962							
STEWARSON, 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	9	100	PENN SD, PROD (B)	*SINCE 1980							
4438	2260	14.0			10-67		4	4	40		*ADJ TO ACTIVE WF, *ESTIMATED							
4241	1319	9.0		28.0	04-63		1	1	20	TAR SPR, 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)	*EST. +ADJ. TO PROJ. 4372 & 4395							
4451	1850	4.0					+	3	30	+								
	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)	*ESTIMATED SINCE 73 +ADJUSTED							
4234	2250	19.0			07-66		10	10	180	RIVER GRAV, PROD (M)								
4399	2290	20.0	20.0	200	38.0	06-66	17	18	400	PENN SD, PROD (M)	*ESTIMATED							
	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	34.8	08-60	12-64	1	1	20	SH SD, PROD (M)							
4366	1830	7.0	18.6	170	34.8	02-68	1	3	25	PRODUCED (B)								
*4372	1826	14.0	20.1	209	34.8	12-62	09-71	3	3	40	SH SD, PROD (M)	*INCL WITH 4295						
4285	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			10-54	12-57	2	2	70	CYPRESS, PROD (B)								
*3413	3002	12.0			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 & PROD (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	97	37.0	10-65	2	3	170	RIVER GRAV, PROD (M)								
	3100	10.0	10.5	15	37.0													
4425	2830	29.0			04-67		2	10	150	SH SD, PROD (M)	*EST +INCL PRIM							
4424	3170	10.0			06-67		3	8	160	PENN SD, PROD (B)	*EST +INCL PRIM PROD							
SUMPTER N, WHITE																		
4221	3170	10.3			06-66		3	3	180	SH SD, PROD (M)								
4423	3175	20.0			11-58		1	3	100	PRODUCED (B)								
SUMPTER S, WHITE																		
4430	2550	6.5	15.4	55	34.7	11-72	4	3	80	ONE WATER SUP WELL (F)	*ESTIMATED							
4437	2550	10.0			3-76		1	1	20	PRODUCED (B)								
*4345	3240	10.7	19.0	55	36.2	09-63	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)							

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 P UNIT	S = T = R					TOTAL CUM.	TOTAL CUM.	TOTAL CUM.
				1980	12/80	1980	12/80	1980	12/80
TAMARQA, PERRY 3100 FRMERS PETR COOP	TAMARQA	CYPRESS	14,23-48-1W	55*	2948*	2.5	126	55*	2194*
TAMARQA 9, PERRY 3101 N. A. BALDRIDGE	BAGWELL	CYPRESS	28-48-1W	50*	624*	2.3	47	50*	624*
THACKERAY, HAMILTON 1551 GALLAGHER DRILLING 1370 GALLAGHER DRILLING	THACKERAY 3-A W THACKERAY UNIT	AUX VASES AUX VASES	10,11,15-58-7E 9,16-58-7E	330* 125*	13469 2996*	11.6* 11.5	980 943*	320* 80*	9128 1890*
THOMPSONVILLE E, FRANKLIN *1302 C. E. BREHM	E THOMPSONVILLE	AUX VASES	12-78-4E/7-78-5E		362		136		1417
THOMPSONVILLE N, FRANKLIN *1305 BARBARA BRAGASSA 1331 COLLINS BROS. *1304 FAIRFIELD SALV. *1303 HUMBLE O AND R	THOMPSONVILLE U N THOMPSONVILLE U THOMPSONVILLE U N THOMPSONVILLE U	AUX VASES AUX VASES AUX VASES AUX VASES	10,15-78-4E 10-78-4E 3,9,10-78-4E 3,9,10-78-4E		1032* 949 1786 2211		125* 145 381 365		80* 360 600
TONTI, MARION 2609 FRY OIL CO	BRANCH	BENOIST MCCLOSKEY	4-2N-2E	185*	5361*	3.7	219*	165*	3692*
2634 LEIDERMAN ESTATE 2621 TEXACO, INC.	TONTI FLOOD PROJ TONTI UNIT	MCCLOSKEY BENOIST AUX VASES SPAN MTN MCCLOSKEY	33-3N-2E 4-2N-2E	100* 1874	2030* 18845	13.0 50.0	247 745	100* 2108	3242* 27636
*2622 TEXACO, INC.	H. MCHACKIN	MCCLOSKEY SPAR MTN	34-3N-2E		109		1		109
TRUMBULL C, WHITE 4362 ABSHER OIL CO 4297 AUTUMN OIL CO 4301 AUTUMN OIL CO 4367 COY OIL CO	TRUMBULL R. SIMMONS SEVEN MILE FLATS TRUMBULL U	CYPRESS CYPRESS OHARA AUX VASES OHANA	24-58-6E, 18-58-9E 25,26-58-6E 23,24-58-6E 13,14,23-58-6E	20* 80* 5* 300*	3458* 981* 786* 5477*	1.1 4.6 U,1 21.7*	276 74 48	20* 80* 5*	416* 950* 605*
4429 DEE DRILLING	460-SOUTH	AUX VASES MCCLOSKEY	14-58-6E	85*	873*	2.0	47	85*	873*
4336 FEAR AND DUNCAN	MOORE-NIBLING UNIT	MCCLOSKEY	7-58-9E			0.5	35	5*	429*
TRUMBULL N, WHITE *4406 SHULMAN BROTHERS	STOCKE	AUX VASES MCCLOSKEY	24-48-8E		36		1		5
VALIER, FRANKLIN 1324 EBER MCKENDREE	RHEN-REA	AUX VASES	8-68-2E	120*	582*	7.2	73*	120*	582*
WALPOLE, HAMILTON 1532 HERMAN GRAHAM *1518 TEXACO, INC. *1546 TEXACO, INC. 1573 TEXACO, INC.	WALPOLE WEST U WALPOLE UNIT WALPOLE EAST UNIT WALPOLE STE. GEN UNIT	AUX VASES AUX VASES AUX VASES SPAR MTN MCCLOSKEY	28,33-68-6E 22,26,27,34,35-68-6E 26,35-68-6E 26,27-68-6E	20* 21248 1225 1792*	2252* 2342 170 1792*	0.6 2342 170 5.8	298 2342 170 194	20* 11723 588 150	1350* 11723 588 1214
1517 UNIVERSAL OPRTRG	WALPOLE UNIT	AUX VASES	3-78-6E		1486		79		977
WAMAC, CLINTON, MARION, WASHINGTON *2610 MINERAL REC, INC *2611 DEWEY STINSON	WAMAC WATERFLOOD WAMAC UNIT	PETRO PETRO	19,30-1N-1E 19,30-1N-1E		4 531		7 35		11 221
WAMAC W, CLINTON 4021 G. JACKSON 414 JET OIL CO. 418 JET OIL CO.	JACKSON, MAROON-HUDGES WAMAC W, BENOIST U WAMAC W CYPRESS U	CYPRESS BENOIST CYPRESS	29-1N-1W 22-1N-1W 20,21-1N-1W	55* 277 56	1804* 6975 686	2.6* 6.2* 9.7	92* 555* 289	55* 237 13	1804* 5164 204*
WEST FRANKFORT C, FRANKLIN *1307 CONYERS OIL WELL	HORN-DIAMOND #8*	OHARA MCCLOSKEY	24,25-78-2E		613*		100*		467*
*1301 FARRAR OIL CO. *1308 FARRAR OIL CO. 1313 KILLION MCCLEM. *1322 KILLION MCCLEM. 1333 KILLION MCCLEM.	W FRANKFORT U ORIENT U YEW-SINKS BONER-MERRIMAN U SW FRANKFORT U	TAR SPRINGS TAR SPRINGS AUX VASES AUX VASES TAR SPRINGS	18,19-78-3E 12-78-2E 19,20,29-78-3E 31-78-3E 24,25-78-2E/19,30-78-3E		4792 476 2517 287 2061		561 29 344* 60 219		3021 444 840 49 1036
1342 KILLION MCCLEM. 1336 RK PET, CORP. *1340 S AND M OIL CO. *1315 TEXAS AMERICAN	RANSON W FRANKFORT U GARDNER-DIAMOND POND CREEK	AUX VASES AUX VASES OHARA TAR SPRINGS	29-78-3E 1-78-2E/6-78-3E 13,24-78-2E 25-78-2E	81 64*	156 517* 350* 1031	20.4 2.3	63 103 19*	80 5*	239 366* 350* 336
WEST SEMINARY, CLAY * 346 SHULMAN BROTHERS	WEST SEMINARY UNIT	AUX VASES MCCLOSKEY	5,6,8-2N-7E		4701		378		2636
WESTFIELD, CLARK, COLES 221 ASHLEY OIL CO. * 231 ASHLEY OIL CO. * 200 FOREST OIL CO. * 222 FOREST OIL CO. 224 FRAZIER ENT. * 502 GEN. OPERATIONS	WESTFIELD TRENTON U SHERWOOD STEAM FLOOD WESTFIELD POOL PAKHER APEX JOHNSON	TRENTON CASEY GAS WESTFIELD CASEY GAS PENN CASEY GAS	5,6,7,8,17,18-11N-14W 32-11N-14W 17-11N-14W 30-11N-14W 4-11N-14W 7,18,19-11N-11E 18-11N-14W	300* 1* 3956 663 * 205	2028* 1* 3956 663 24*	15.9 1 15 34 * 13	96 1 15 34 1 13	250* 6 150 75	332* 6 150 75
WESTFIELD E, CLARK 206 JUDITH NEUMAN	MORRILL	PENNSYLVNIN	12-11N-14W	35*	596*	2.3	58	35*	439*
WHITTINGTON, FRANKLIN 1329 T. W. GEORGE EST.	WILCOX	HARDINSBURG CYPRESS	20,29-58-3E	4	180	0.2	23	4	90
1338 H & W OIL CO 1341 H & W OIL CO	STEEL-LAKE WHITTINGTON SOUTH U	CYPRESS HARDINSBURG	19-58-3E 29,30-58-3E	110* 150*	1149* 1830*	7.1 9.2	110 150	110* 150*	1200* 1659*

in Illinois, 1980--continued

***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER *****												
***** FIELD, COUNTY *****												
PROJ.	DEPTH	NET	POR	PERM	OIL	DATE	DATE	NO. OF	ACRES	SUBSAND	SOURCE	TYPE
NO.	(FT)	PAY	(%)	(MD)	GRAV	FIRST	ABD.	WELLS	UNDER	GR	GRAVEL	(F) FRESH
		(FT)		(API)	INJ.	INJ.	PROD.	INJ.	PROD	PROD	PROD	(M) MIXED
***** REMARKS *****												
TAMARCA, PERRY												
3100	1140	10.0	24.3	349	31.5	12-61		3	4	180	POND, PROD (M)	*ESTIMATED SINCE 1973
TAMARCA S, PERRY												
3101	1125	12.0			27.6	01-62		1	4	60	PRODUCED (B)	*ESTIMATED
THACKERAY, HAMILTON												
1551	3368	19.0	24.0	270		04-64		9	6	420	CYP, PROD (B)	*EST, 1980
1570	3350	16.0	20.3	174	39.2	12-69		3	3	120	CYPRESS (B)	*EST, 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 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	08-62	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		14	12	300		
	2010	20.0			36.0	05-75						
	2110	8.0	17.3	169		02-64						
	2140	18.0	14.1	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 (M)	*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	18.3	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	*	3	160	PENN SD, PROD (B)	
1573	3200	12.0	12.0		37.6	03-73		4	2	280	PROD SUPPLY (B)	*INJ, DISC, OCT, 1979
	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	750	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 *EST
418	1290	8.8				10-65		2	6	30	PENN SD, PROD (B)	*ESTIMATED
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)	
1313	2730	12.0			38.0	09-62		3	1	120	LAKE, PROD (M)	*INACTIVE ISWD SINCE 1973
*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		2	5	80	LAKE (F)	
1336	2720	8.0				10-71		1	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	2350	60.0	4.0		39.0	01-75		13	37	1000		*ESTIMATED SINCE 1977
* 231	250	20.0	20.0	250	25.0	02-64	04-64	2	1	10	CITY WATER (F)	*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	133	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)	
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	12-68	1	1	40	LAKE, PROD (M)	
	2530	10.0				07-64		1	1	40		
1336	2530	10.0				12-71		2	4	60	PRODUCED (B)	*ESTIMATED
1341	2300	10.0				07-72		4	12	180	PRODUCED (B)	*ESTIMATED

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.
* * * ABD							1980 * 12/80	1980 * 12/80	1980 * 12/80
* * * P.M.									
WHITTINGTON, FRANKLIN									
CONTINUED									
1337 JUNIPER PETROLEUM C SE	WHITTINGTON	CYPRESS	21,20,29,32,33-58-3E	161	2094	8.8	154	145	1392
		OHAMA							
		MCCLOSKEY							
1334 T. W. TUCK	WHITTINGTON	HARDINSBURG	20-58-3E	160*	2057	5.5	116	160*	1121
		CYPRESS							
WHITTINGTON W, FRANKLIN									
1344 JOHN C. BOWERS	PLAINS PL.	RENAULT	12-58-2E		760		137*		760*
*1312 KEWANEE OIL CO.	PLAINS	RENAULT	1,2,11,12,14-58-2E		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	12314	15.1	959*	61*	9603*
WILLIAMS C, JEFFERSON									
2019 N. A. BALDRIDGE	WILLIAMS SOUTH UNIT	AUX VASES	10,11-38-2E	35*	2018*	1.3	525*	35*	1236*
2028 WALTER DUNCAN	HODGE	BENOIST	2-38-2E	27	520	1.3	32	27	520
2033 PEP DRILLING CO.	LEFFLER	AUX VASES	35-25-2E/2-38-2E	35	1311*	4.2	152*	35*	1311*
2032 BENNARD POWOLSKY	MCLAUGHLIN	BENOIST	2-38-2E	10*	330*	1.6	32*	10*	330*
		AUX VASES							
WOBURN C, BOND									
* 4 E. E. JENNEMAN	SPINGLER LSE	BENOIST	10-6N-2W		194		11		194
* 3 TRI STAR PROD CO	BLANKENSHIP AREA	DEVUNIAN	34-7N-2W		263*	3.3	46**		455*
WOODLAWN, JEFFERSON									
2005 K W B OIL PROP. MGHTHOPPA		CYPRESS	2-38-1E	270	2942	11.1	209	275	2601
2024 MOBIL OIL CORP.	KAMINSKI ESTATE	BENOIST	2-38-1E	152	1916	10.4	368	131	1971
*2023 TEXACO, INC.	WALKER 7	CYPRESS	2-38-1E		255		5		177
		BENOIST							
2034 CHARLES P. WOOD	BURKHARDT	BENOIST	35-28-1E	15*	1030*	1.3 +	279*	15*	1030*
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	BENO LEASE	AUX VASES	20-78-2E	15*	300	5.3	260*	15*	79
1320 V. R. GALLAGHER	PLUMFIELD U	AUX VASES	13,24,25-78-1E) 16-78-2E	232*	4530	9.7	1921*	182*	2245
ZENITH E, WAYNE									
4090 NAPCO	DURKEE	SPAK MTN	4-1N-6E		800		160**		600*
ZENITH N, WAYNE									
*4150 T. W. GEORGE EST.	ZENITH N MCGREW	SPAK MTN	21-2N-6E		112		9		130
*4137 MOBIL OIL CORP.	ZENITH N FIELD U	SPAK MTN	21-2N-6E		501		58		206

in Illinois, 1980—continued

***** RESERVOIR STATISTICS (AV. VALUE) * DEVELOPMENT AS OF 12-31-80 * INJECTION WATER *****														
FIELD, COUNTY	PERM	OIL	DATE	DATE	NO. OF	ACRES	SD=	SOURCE	TYPE					
PROJ. * NO.	DEPTH * (FT)	NET * PAY * (FT)	POR * (%)	(MD) * (API)	GRAY * INJ.	FIRST * INJ.	ADD. * INJ.	PROD. * INJ.	UNDER * PROD.	DR=	GRAVEL * (M)	BR=	BRINE * MIXED	
***** REMARKS *****														
WHITTINGTON, FRANKLIN														
CONTINUED														
1337	2500	8,0			10-71	3	5	100	LAKE, PROD (H)					
	2810	8,0												
	2900	5,0												
1338	2300	10,0			08-71	3	6	90	PRODUCED (B)	*ESTIMATED SINCE 1979				
	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)			
HILBERTON, FAYETTE														
1246	3250	25,0			10-65	8	37	1180	WENOIST, 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 1-55 *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					
HOBURN 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.AND 72-75;+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. 1980;+INCL.PRIM.SINCE 68		
1320	2650	15,0	21,5	75	38,9	02-65		6	6	380	PENN SD, PROD (B)	SINCE PUOL DISCOVERY 7-12-63 *ESTIMATED 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	CYP, PROD (B)			

TABLE 12. Illinois waterfloods for 1980, 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	Pro-ducers	Subject to injection	Total productive	Total 1980**	Cumulative 12-31-80**	Total 1980**	Cumulative 12-31-80**	Total 1980**	Cumulative 12-31-80**
Bond	4	3	19	27	350	570	36	2,568	5.0	211	36	1,634
Christian	8	0	70	131	4,540	5,400	4,347	56,367	175.8	5,686	3,602	29,715
Clark	7	21	593	583	4,999	12,577	905	203,243	49.5	9,640	705	82,464
Clay	50	42	370	636	19,709	21,814	9,711	298,570	460.3	28,469	8,271	187,466
Clinton	15†	6	192	254	7,134	7,550	2,996	93,437	159.6	17,813	3,128	161,695
Coles	11	15	181	251	5,485	5,925	393	75,942	40.2	6,060	393	39,538
Crawford	46	48	1,485	1,893	24,841	31,641	19,898	1,047,421	626.3	58,279	19,653	581,933
Cumberland	5	3	352	480	2,448	2,479	2,080	115,920	78.7	14,074	2,485	32,679
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	17,711	74.7	1,684	500	17,511
Edwards	24‡	17	139	289	6,335	8,619	3,109	126,271	173.5	14,674	2,919	82,439
Effingham	18	4	78	167	3,895	4,661	3,191	78,427	178.5	8,298	2,907	51,175
Fayette	45	10††	805	1,093	35,478	50,828	55,082	1,584,288	1,594.6	191,406	45,787	1,106,774
Franklin	25	19	192	314	9,423	10,669	3,579	295,878	213.1	31,991	3,157	208,340
Gallatin	27	32††	321	471	11,468	13,801	2,950	159,823	226.8	22,438	2,426	68,531
Hamilton	29	48	398	585	21,972	31,928	5,141	498,121	201.2	37,819	5,729	319,100
Jasper	12	19	94	235	8,990	9,853	4,857	112,927	236.8	8,595	5,035	62,560
Jefferson	24‡	13	121	237	8,562	8,730	4,290	219,058	220.3	27,368	3,767	353,321
Lawrence	66	27	1,641	1,931	27,409	32,243	36,347	1,073,625	1,653.6	107,640	57,810	798,743
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	1,065	20,587	39.7	1,225	923	14,300
Marion	16	14	459	617	36,591	44,338	95,142	2,325,612	1,866.1	133,977	84,979	1,720,106
Montgomery	0	1	2	2	20	40	0	38	0.0	6	0	15
Perry	2	0	4	8	240	320	105	3,572	4.8	173	105	3,018
Richland	24	26	187	374	17,092	16,822	8,415	288,134	237.0	17,207	8,398	234,604
Saline	16	11	96	162	3,660	5,010	3,041	93,901	111.8	8,091	2,482	42,576
Shelby	3	1	8	13	600	660	253	5,623	19.1	933	253	5,123
Wabash	83	73	615	907	22,530	25,271	7,201	390,143	419.2	43,171	5,505	207,881
Washington	25	2	78	240	4,049	5,096	3,254	103,942	153.8	11,733	3,152	96,065
Wayne	91	61	735	1,099	52,658	60,315	18,244	730,729	645.0	60,817	15,146	392,859
White	148	111	1,729	2,284	52,843	67,180	30,040	1,037,578	1,692.7	106,255	29,328	578,476
Williamson	5	0	12	25	540	680	317	5,490	46.9	1,091	175	1,513
TOTAL	854	635	11,070	15,509	397,631	489,754	326,489	11,077,500	11,604.6	978,456	318,756	7,484,137

* Acreage data are incomplete in a few counties.
 ** Projects not reporting in 1980 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.

TABLE 13. Illinois oil fields having active waterfloods during 1980

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	Pro-ducers	Subject to injection	Total in production	Total 1980**	Cumulative 12-31-80**	Total 1980**	Cumulative 12-31-80**	Total 1980**	Cumulative 12-31-80**
Aden C	2	2	41	36	3,380	3,940	608	35,251	15.7	1,908	608	11,519
Akin	2	3	9	18	380	510	11	3,554	1.2	510	11	3,119
Albion C	19	11	105	211	4,364	5,958	2,822	120,576	114.4	13,368	2,397	76,120
Albion East	1	0	8	15	400	820	168	1,339	40.8	390	168	1,300
Allendale	18	21	138	188	2,973	3,383	888	94,314	55.1	7,587	545	35,259
Ashley	1	0	4	14	180	180	145	4,250	8.4	272	145	4,250
Ashley E	1	0	2	4	60	60	25	930	1.1	57	25	930
Assumption C	5	0	26	50	2,070	2,630	1,327	43,390	48.1	5,052	1,098	22,073
Barnhill	2	5	36	52	960	1,050	0	16,477	1.9	2,022	10	3,581
Bartelso	1	2	22	27	320	320	100	6,949	5.2	1,258	100	4,928
Beaucoup	1	0	1	3	280	367	230	1,661	2.6	21	45	762
Beaucoup S	2	0	8	11	257	257	160	10,711	5.5	487	278	9,468
Beaver Creek	1	1	2	5	50	90	31	515	1.4	43	31	398
Beaver Creek S	2	0	4	15	180	180	150	2,627	9.3	322	150	2,591
Ballair	2	1	106	130	717	747	325	96,411	13.3	2,720	325	43,412
Belle Prairie	1	0	1	8	160	160	0	620	7.0	140	0	560
Beman	1	1	6	9	280	280	61	1,357	2.2	65	61	1,041
Benton	2	0	33	39	3,390	3,390	1,328	231,486	36.8	21,380	1,305	172,088
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	51	1,802	3.3	412	51	913
Bone Gap C	2	0	2	12	180	270	113	3,668	6.5	629	108	3,335
Boyd	1	0	7	18	2,133	2,133	200	77,577	7.2	4,343	200	47,399
Brown	1	0	1	2	40	40	22	487	2.5	31	11	244
Browns	3	0	16	22	930	950	105	5,940	21.4	899	211	2,171
Browns E	1	3	27	32	673	1,010	100	5,414	1.5	1,649	10	1,948
Bungay C	7	5	52	91	2,510	2,680	566	45,295	29.7	4,130	557	30,421
Calhoun S	1	0	1	5	40	300	50	377	8.0	172	50	376
Carlyle N	1	0	1	7	80	100	50	1,180	3.1	106	50	603
Carmi	1	0	1	2	60	60	50	508	2.8	87	50	508
Carmi N	1	0	1	4	80	80	20	1,045	2.1	79	20	805
Centerville	1	1	2	2	40	40	15	459	0.6	20	15	203
Centerville E	4	1	98	99	2,160	2,160	495	39,305	23.1	3,687	495	29,313
Central City	1	0	1	5	60	60	25	402	1.3	29	25	402
Centralia	5	2	120	112	4,704	4,824	1,485	48,741	69.1	12,383	1,700	129,651
Clay City C	102	56	725	1,269	59,362	62,803	26,826	846,656	1071.4	64,466	24,015	537,610
Coil	3	0	6	12	510	530	192	7,001	35.2	1,412	181	3,559
Coil W	1	2	9	13	285	310	91	2,809	7.9	306	55	1,335
Concord C	3	12	57	87	1,733	1,970	131	25,215	6.5	2,584	147	14,355
Concord E C	1	2	8	10	190	190	30	1,490	1.6	120	30	1,297
Cordes	2	0	18	31	1,115	1,115	255	33,758	22.4	6,678	597	37,556
Corinth	1	0	1	3	130	180	40	304	6.1	90	22	22
Dale C	19	36	291	435	16,042	25,758	4,198	411,093	144.2	28,701	4,689	262,413
Deering City	1	0	1	4	50	50	25	562	1.1	122	25	482
Divide C	5	1	20	36	1,525	1,535	1,328	38,813	27.3	2,055	1,059	228,424
Dubois C	5	1	15	49	680	680	190	4,420	13.9	431	190	3,761
Dudley	7	0	12	50	480	460	500	5,711	74.7	1,084	500	5,511
Edinburg W	1	0	1	10	230	230	0	1,061	0.0	157	0	693
Eldorado C	6	4	39	70	1,800	2,560	2,290	59,204	73.6	4,724	1,736	26,703
Energy	1	0	2	4	100	130	32	1,429	7.3	98	0	1,298
Exchange N C	1	0	4	9	400	400	238	3,424	3.6	478	89	1,213
Exchange W	1	0	2	7	511	511	52	1,131	9.2	188	52	477
Frogtown N	1	0	3	8	140	140	0	0	9.1	97	0	0
Gard's Point	2	0	2	11	220	260	70	1,605	6.3	127	70	1,370
Germantown E	1	0	2	11	300	300	154	4,878	10.7	1,240	154	4,878
Goldengate C	5	13	130	127	4,689	5,010	333	36,129	24.0	3,068	333	15,253
Goldengate N C	2	1	6	7	140	140	45	1,397	2.1	174	25	785
Half Moon	2	0	7	12	550	1,560	66	13,077	5.3	948	70	5,623
Marco	2	0	8	16	310	310	255	4,957	10.4	324	250	2,897
Herald C	16	10	89	151	3,476	4,821	1,245	43,505	111.6	5,298	1,070	19,928
Hill E	2	1	5	27	380	380	31	8,476	2.1	511	31	6,391
Hord	1	0	1	2	50	70	8	204	1.9	41	8	138
Ingraham	1	1	10	22	437	692	15	2,744	4.1	852	2	1,555
Inman E C	5	7	136	184	4,380	4,515	280	64,203	26.5	10,063	275	21,262
Inman W C	12	9	88	115	2,759	3,445	1,077	33,765	79.2	3,880	818	18,393
Iola C	9	3	68	98	2,707	3,205	2,486	69,234	113.6	4,118	2,164	46,193

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	Pro-ducers	Subject to injection	Total in production	Total 1980**	Cumulative 12-31-80**	Total 1980**	Cumulative 12-31-80**	Total 1980**	Cumulative 12-31-80**
Irvington	7	0	16	88	960	2,000	1,367	27,734	71.6	2,237	1,369	27,181
Irvington E	3	0	4	21	250	250	115	3,830	12.6	591	115	3,830
Luka	1	0	1	3	270	270	28	63	5.7	114	26	557
Johnson N	2	4	136	140	764	1,045	380	35,480	21.1	2,551	380	23,343
Johnson S	1	3	92	104	1,343	1,343	150	115,021	8.3	3,301	0	33,226
Johnsonville C	7	3	88	131	10,310	12,380	5,792	193,539	163.9	15,097	5,451	128,606
Johnsonville W	2	2	12	21	520	620	346	7,713	3.6	889	131	3,213
Johnston City E	2	0	8	14	260	320	242	3,710	29.8	745	150	150
Johnston City N	1	0	1	4	50	50	3	47	3.7	158	3	43
Junction E	1	0	4	5	100	100	100	1,085	5.1	72	100	891
Keensburg S	2	1	9	14	280	450	350	7,298	17.6	624	350	4,431
Kincaid C	1	0	42	69	2,200	2,500	2,930	11,731	110.5	440	2,414	6,764
King	2	2	9	12	300	360	35	3,687	4.3	407	35	2,199
Lancaster	3	0	28	45	840	1,015	132	8,199	8.2	1,935	130	2,727
Lancaster S	1	1	3	12	150	150	10	1,245	0.5	251	10	888
Lawrence	57	19	1,565	1,832	25,276	29,791	36,019	1,050,478	1,631.1	104,907	57,515	785,068
Lawrence W	1	1	12	19	447	447	35	1,556	1.7	211	35	670
Lexington	1	0	3	6	200	280	151	2,743	2.8	69	151	911
Lillyville	1	0	2	2	160	160	140	2,639	5.4	310	70	961
Livingston S	3	0	4	25	370	310	165	2,724	12.8	259	153	1,757
Louden	38	9	775	997	32,775	48,035	53,292	1,532,965	1,504.5	187,132	43,691	61,454
Main C	44	47	1,379	1,763	24,124	30,894	19,573	951,010	613.0	55,559	19,328	538,521
Maple Grove C	2	3	13	30	720	870	50	2,875	1.3	441	50	2,161
Marine	1	0	3	7	240	964	300	3,054	5.4	46	300	2,986
Mason N	1	0	1	3	130	130	140	2,693	3.3	182	140	2,729
Mattoon	10	9	122	190	4,305	4,595	368	64,711	38.7	5,337	368	33,036
Mattoon N	1	0	5	8	160	160	25	1,695	1.5	168	25	1,555
Maunie N C	3	8	45	72	1,670	2,510	95	17,615	14.4	3,006	95	10,036
Maunie South C	2	4	69	64	1,430	1,450	150	25,937	21.9	3,298	152	17,894
Miletus	1	0	1	1	20	20	25	344	1.6	20	25	339
Mill Shoals	9	7	64	78	2,372	2,713	566	40,172	27.9	2,912	596	21,474
Mode	1	0	3	5	330	350	45	606	3.8	343	45	616
Montrose	1	0	1	1	40	40	0	103	0.2	11	0	9
Mt. Carmel	15	17	121	162	4,473	4,740	1,840	55,891	85.2	5,968	1,332	32,131
New Harmony C	78	47	856	1,233	28,204	33,207	14,269	538,574	880.9	64,968	11,848	292,301
New Haven C	2	3	24	33	1,085	1,302	205	4,419	18.7	1,438	127	1,257
New Memphis	1	0	3	23	580	640	550	9,015	27.6	443	550	6,695
Oakdale N	1	0	3	4	290	290	138	1,784	2.5	350	138	1,643
Oak Point	1	1	20	14	360	480	40	4,238	1.9	216	40	3,925
Odin	1	0	4	9	120	290	187	8,654	1.2	1,324	187	391
Old Ripley	1	0	10	11	110	110	0	1,248	0.0	95	0	425
Olney C	1	8	33	44	2,238	2,418	57	17,973	1.5	1,595	43	11,251
Omaha	5	2	22	52	1,711	2,908	1,099	26,657	83.8	5,014	934	14,771
Omaha W	1	0	1	7	100	100	60	2,478	2.8	169	60	2,273
Orchardville	2	0	4	4	110	230	84	675	8.9	143	70	240
Orient	1	0	1	1	40	40	28	538	2.0	204	15	171
Oskaloosa	1	1	15	10	596	596	35	2,238	1.7	1,356	35	4,205
Pana	1	0	1	2	40	40	90	185	17.2	37	90	185
Passport	3	0	5	6	505	505	46	14,191	4.6	861	46	7,935
Patoka	3	2	72	82	1,713	1,713	393	90,053	15.9	9,091	393	70,209
Patoka E	3	1	9	27	320	580	642	13,241	39.9	984	524	10,916
Patoka S	3	0	34	41	860	980	470	15,115	22.9	1,273	426	10,474
Phillipstown C	24	15	168	297	5,391	7,897	3,493	64,891	344.2	13,514	2,963	39,496
Raccoon Lake	1	1	3	9	190	190	359	6,950	6.4	285	359	7,751
Raleigh	1	2	22	19	440	590	60	7,212	2.9	1,292	60	1,901
Raleigh S	3	1	8	10	310	490	155	5,946	7.5	447	155	3,586
Reservoir	2	0	2	4	130	130	25	965	4.1	160	25	965
Richview	5	0	11	33	427	367	827	18,523	25.7	1,457	448	10,201
Rochester	3	0	12	22	400	480	0	24,211	1.4	1,528	0	8,528
Roland C	17	14	259	322	10,655	13,809	7,752	215,889	250.6	18,765	7,301	113,041
Ruark	2	0	2	3	96	140	68	1,282	4.0	168	35	692
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	600	14,601	21.5	889	470	9,557
St. James	7	1	22	76	1,723	1,813	1,729	39,900	88.8	3,453	2,065	36,198

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 1980**	Cumulative 12-31-80**	Total 1980**	Cumulative 12-31-80**	Total 1980**	Cumulative 12-31-80**
Sailor Springs C	40	22	194	344	8,520	9,853	7,100	157,376	258.0	18,442	6,156	103,261
Salem C	8	5	307	406	32,597	39,444	92,376	2,223,087	1,812.4	135,591	82,101	629,395
Schnell	1	0	1	1	103	103	0	858	0.7	43	0	327
Sesser C	5	1	28	63	1,410	1,550	680	14,354	52.9	2,238	680	8,603
Shattuc	1	0	5	10	150	150	174	1,658	9.6	187	174	1,119
Siggins	3	3	467	579	2,797	2,928	1,940	136,426	73.1	16,463	2,415	52,558
Sorento C	1	1	5	5	120	190	5	348	0.3	16	5	162
Staunton W	1	0	2	7	40	40	0	16	0.0	1	0	2
Stewardson	2	0	4	6	240	280	208	5,007	15.3	586	208	4,497
Storms C	16	6	166	173	3,560	4,430	4,585	192,159	190.6	8,167	6,789	130,197
Sumpter E	5	1	17	44	820	1,600	549	14,761	32.2	1,133	533	7,772
Sumpter N	2	0	4	6	280	578	100	2,685	5.3	252	99	1,240
Sumpter S	2	2	14	11	270	310	99	2,452	18.4	314	99	1,138
Tamaroa	1	0	3	4	180	260	55	2,948	2.5	126	55	2,194
Tamaroa S	1	0	1	4	60	60	50	624	2.3	47	50	824
Thackeray	2	0	12	9	540	540	455	16,465	23.1	1,923	400	11,018
Thompsonville N	1	3	21	21	632	726	60	5,978	16.7	1,016	0	1,040
Tonti	3	1	19	23	620	930	2,139	26,345	66.7	1,212	2,373	34,679
Trumbull C	6	0	18	42	780	830	490	11,575	30.0	1,037	495	6,020
Valier	1	0	1	1	70	70	120	582	7.2	73	120	582
Walpole	2	3	26	31	2,320	2,380	20	28,003	6.6	3,083	170	15,852
Wamac W	3	0	4	20	150	300	388	9,465	18.5	936	305	7,172
West Frankfort C	4	6	30	57	1,041	1,371	495	12,800	49.4	1,649	235	7,148
Westfield	2	4	80	78	1,160	7,850	300	6,877	15.9	160	250	413
Westfield E	1	0	4	10	60	60	35	596	2.3	58	35	439
Whittington	5	0	17	35	600	905	585	7,310	30.8	553	569	5,458
Wilberton	1	0	8	37	1,180	1,180	61	12,314	15.1	959	61	9,603
Williams C	4	0	7	12	279	332	107	4,179	8.4	741	107	3,397
Woburn C	1	1	2	6	70	180	0	457	3.3	57	0	649
Woodlawn	3	1	8	19	230	270	437	6,143	22.8	861	421	5,779
Zeigler	2	0	7	8	420	420	247	4,830	15.0	2,181	197	2,324

* Acreage data are incomplete in a few fields.

** Projects not reporting in 1979 are included as of last reporting date.

† Not all projects reported produced water.

TABLE 14. Summary of waterflood statistics, 1949-1980

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 waterflood oil recovery per acre subjected to injection (bbl)	Cumulative injected water/cumulative produced oil
		Annual	Cumulative*	Annual	Cumulative*	Annual	Cumulative*			Inj.	Prod.	Subjected to inj.	Total			
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	2,230	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

* 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.