Press Bulletin Series For the Oil and Gas Industry

STATE OF ILLINOIS
DWIGHT H. GREEN, *Governor*
DEPARTMENT OF REGISTRATION AND EDUCATION
FRANK G. THOMPSON, *Director*
DIVISION OF THE
STATE GEOLOGICAL SURVEY
M. M. LEIGHTON, *Chief*
URBANA

No. 52 ILLINOIS PETROLEUM Sept. 22, 1945
Printed by Authority of the State of Illinois

Oil and Gas Development in Illinois in 1944

By Alfred H. Bell and Virginia Kline

In 1944, Illinois produced 77,413,000 bbl. of oil, or 4.6 per cent of the total for the United States, and continued to rank sixth in the nation in oil production. This represents a decrease of 6 per cent from 1943, when the total Illinois production was 82,256,000 bbl. This decrease was much less than the 23 per cent decrease in 1943 from production of the previous year. The principal factor in arresting the production decline, which had been going on since 1941, seems to be the increased drilling that followed the relaxing of the Federal Government's rules in regard to well spacing. The daily average production for 1944 was approximately 212,000 bbl. Daily averages by months were as follows:

Jan.	219,000	July	206,000
Feb.	220,000	Aug.	211,000
Mar.	216,000	Sept.	209,000
Apr.	211,000	Oct.	210,000
May	213,000	Nov.	209,000
June	209,000	Dec.	205,000

During the year, 1991 wells were drilled for oil and gas in Illinois as compared with 1791 in 1943, an increase of 11 per cent. Of the 1991 wells, 430 are classified as "wildcat" as compared with 461 in 1943. Twenty-eight new pools (Table 2*A*) were discovered in 1944 as compared with 29 in 1943. Changes in federal drilling regulations, permitting closer spacing of wells, resulted in a drilling program that emphasized development of proved acreage rather than wildcatting.

Data on production and drilling by fields are given in Table 1; data on annual production and drilling for Illinois, in Table 3.

Discoveries

Twenty-eight new fields (Table 2*A*), 42 extensions (Table 2*B*), and 39 additional producing zones in existing fields (Table 2*C*) were discovered in 16 counties in Illinois during 1944. Of the 28 new fields, one was abandoned during the year, 14 were one-well fields, eight others had not more than 6 wells, one had 8, one had 9, one had 11, one had 15, and the largest new field, Roaches North, had 28 producing wells at the end of the year. In all, 109 wells were producing in these new fields on Jan. 2, 1945, as compared with 111 wells producing from 29 new fields at the end of 1943.

The average initial production of the discovery wells of the 28 new fields was 129 bbl. of oil and 11 bbl. of water, a notable decline from the average initial production of 194 bbl. of oil and 15 bbl. of salt water for the 1943 discovery wells.

In fields discovered since 1936, the total number of oil wells producing at the end of 1944 was 12,335.

Productive Acreage

The area of proved production in the new fields (discovered since 1936) increased from 144,335 acres at the end of 1943 to 173,485 acres at the end of 1944 (Table 1), an increase of 29,150 acres. Of this increased area, 1720 acres are in fields discovered during 1944 and 27,430 acres are in extensions of fields discovered earlier.

Reprinted from *Transactions* of American Institute of Mining and Metallurgical Engineers (1945) **160**, 293–334.

TABLE 1.—*Oil and Gas Production in Illinois*

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
			Area Proved, Acres[b]	Total Production, Bbl.[c]		Area Proved, Acres[d]	Millions Cu. Ft.[e]		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
1	Warrenton-Borton, *Edgar*	1906	100	30,000	0		0	0	22	0	0
2	Westfield, *Clark, Coles*	1904	9,075	"	"		"	0	1,630	2	3
3			925	"	"		"	0	188	2	0
4			9,000	"	"		"	0	1,449	0	0
5			220	"	"		"	0	13	0	0
6	Siggins, *Cumberland, Clark*	1906	3,685	"	"		"	0	997	1	0
7			3,190	"	"		"	0	855	1	0
8			450	"	"		"	0	90	0	0
9			960	"	"		"	0	193	0	0
10	York, *Cumberland, Clark*	1907	350	"	"		"	0	70	0	0
11	Casey, *Clark*	1906	1,980	"	"		"	0	535	0	3
12			205	"	"		"	0	41	0	0
13			400	"	"		"	0	82	0	0
14			1,540	"	"		"	0	322	0	0
15	Martinsville, *Clark*	1907	865	"	"		"	0	219	0	2
16			35	"	"		"	0	7	0	0
17			310	"	"		"	0	64	0	0
18			710	"	"		"	0	23	0	0
19			600	"	"		"	0	35	0	0
20			640	"	"		"	0	40	0	0
21			10	"	"		"	0	2	0	0
22	Johnson North, *Clark*	1907	1,440	"	"		"	0	485	0	1
23			1,115	"	"		"	0	296	0	0
24			160	"	"		"	0	32	0	0
25			825	"	"		"	0	177	0	0
26			215	"	"		"	0	44	0	0
27	Johnson South, *Clark*	1907	1,800	"	"		"	"	544	8	22
28			190	"	"		"	"	38	0	0
29			295	"	"		"	"	59	0	0
30			1,710	"	"		"	"	411	8	0
31			850	"	"		"	"	170	0	0
32	Bellair, *Crawford, Jasper*	1907	1,305	"	"		"	"	486	0	0
33			1,165	"	"		"	"	310	0	0
34			315	"	"		"	"	65	0	0
35			910	"	"		"	"	182	0	0
36	Clark County Division[1]		20,500	54,242,000	386,000		"	"	4,966	11	31
37	Main,[2] *Crawford*	1906	35,650	"	"		"	"	7,324	0	181
38			340	"	"		"	"	68	0	0
39			34,305	"	"		"	"	7,143	0	0
40			1,000	"	"		"	"	108	0	0
41			10	"	"		"	"	1	0	0
42	New Hebron, *Crawford*	1909	1,560	"	"		"	"	297	0	4
43	Chapman, *Crawford*	1914	1,560	"	"		"	"	193	0	0
44	Parker, *Crawford*	1907	1,340	"	"		"	"	256	0	10
45	Allison-Weger, *Crawford*	x	1,100	"	"		"	"	149	1	13
46	Flat Rock,[3] *Crawford*	x	1,920	"	"		"	"	290	1	14
47	Birds, *Crawford, Lawrence*	x	4,485	"	"		"	"	684	0	44
48	Crawford County Division[4]		47,615	151,236,000	1,280,000		"	"	9,193	2	266
49	Lawrence, *Lawrence, Crawford*	1906	25,800	"	"		"	"	4,438	14	167
50			60	"	"		"	"	7	2	"
51			5,050	"	"		"	"	1,233	0	"
52			2,240	"	"		"	"	481	0	"
53			1,440	"	"		"	"	243	0	"
54			16,180	"	"		"	"	3,017	0	"
55			4,300	"	"		"	"	707	10	"
56			6,960	"	"		"	"	960	1	"
57			"	"	"		0	0			
58			"	"	"		0	0			
59			"	"	"		0	0			

[a] Footnotes to column heads and explanation of symbols are given on page 334a.
[1] Total of lines 2, 6, 10, 11, 15, 22, 27, 32.
[2] Includes Kibbie, Oblong, Robinson, and Hardinsville.
[3] Includes Swearingen gas.
[4] Total of lines 37, 42, 43, 44, 45, 46, 47.

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944: Oil[43] Flowing	Oil[43] Artificial Lift	Gas	Reservoir Pressure, Lb. per Sq. In.[5]: Initial	Avg./End 1944	Secondary Recovery[h]	Character of Oil[i]: Gravity A.P.I. at 60°F[6]	Sulphur, Per Cent[k]	Producing Formation: Name and Age[j]	Character[k]	Porosity, Per Cent[l]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft.,[n] Net	Structure[o]	Deepest Zone Tested[p] to End of 1944: Name	Depth of Hole, Ft.
1	0	0	0	x		W	x	x	Unnamed; Pen	S	P	159	x	ML	"Trenton"	2,212
2	0	290	0	293±			34.0	x						D	St. Peter	3,009
3	0	x	0	x			30.0	x	Shallow gas; Pen	S	P	281	40	D		
4	0	x	0	x			33.5	x	Westfield; MisL	L	Cav	334	x	DC		
5	0	x	0	x			38.2	0.18	"Trenton"; Ord	L	Cav	2,265	x	D		
6	0	801	0	x		P	33.0	x						D	Dev	2,010
7	0	x	0	x			34.0	x	First Siggins; Pen	S	P	367	x	D		
8	0	x	0	x			(33.6)	x	2nd & 3rd Siggins; Pen	S	P	478	x	D		
9	0	x	0	x			(25.7)	x	Lower Siggins; Pen	S	P	556	40	D		
10	0	0	0	x			(30.3)	x	York; Pen	S	P	588	x	AM	Pen	960
11	0	485	0	x		P	29.2	x						AM	MisL	808
12	0	x	0	x			(31.9)	x	Upper Gas; Pen	S	P	263	x	AM		
13	0	x	0	x			(30.1)	x	Lower Gas; Pen	S	P	309	x	AM		
14	0	x	0	x			(33.6)	x	Casey; Pen	S	P	444	40	AM		
15	0	114	0	x			36.8	x						D	St. Peter	3,411
16	0	x	0	x			x	x	Shallow; Pen	S	P	255	x	D		
17	0	x	0	x			x	x	Casey; Pen	S	P	500	x	D		
18	0	x	0	x			x	x	Martinsville; MisL	L	P	477	x	D		
19	0	x	0	x			(38.9)	x	Carper; MisL	S	P	1,340	x	D		
20	0	x	0	x			x	x	"Niagaran"; Dev	L	Cav	1,550	x	D		
21	0	x	0	x			(39.6)	x	"Trenton"; Ord	L	Cav	2,700	x	D		
22	0	432	0	x			31.0	x						AM	Mis	965
23	0	x	0	x			x	x	Claypool; Pen	S	P	416	x	AM		
24	0	x	0	x			x	x	Shallow; Pen	S	P	314	x	AM		
25	0	x	0	x			x	x	Casey; Pen	S	P	465	x	AM		
26	0	x	0	x			x	x	Upper Partlow; Pen	S	P	535	x	AM		
27	0	448	0	x		P	32.2	x						AM	Dev	2,030
28	0	x	0	x			x	x	Claypool; Pen	S	P	392	x	AM		
29	0	x	0	x			x	x	Casey; Pen	S	P	453	x	AM		
30	0	x	0	x			x	x	Upper Partlow; Pen	S	P	489	x	AM		
31	0	x	0	x			28.5	x	Lower Partlow; Pen	S	P	598	x	AM		
32	0	371	0	x		P	33.7	x						AM	MisL	1,471
33	0	x	0	x			(32.4)	x	"500 ft."; Pen	S	P	561	x	AM		
34	0	x	0	x			x	x	"800 ft."; Pen	S	P	817	x	AM		
35	0	x	0	x			(37.0)	x	"900 ft."; MisU	S	P	886	x	AM		
36	0	2,941	0	x			33.0	x							St. Peter	3,411
37	0	4,442	x	425±		P	33.0	x							St. Peter	4,654
38	0	x	x	x			x	x	Shallow; Pen	S	P	508	x	ML		
39	0	x	x	x			32.8	x	Robinson; Pen	S	P	900	25±	ML		
40	0	x	x	x			x	x	Oblong; Mis	SL	P	1,337	x	A, ML		
41	0	1	0	x			x	x	Devonian; Dev	L	P	2,794	11	ML		
42	0	142	0	x		P	30.1	x	Robinson; Pen	S	P	940	25	ML	Mis	2,056
43	0	60	0	x			x	x	Robinson; Pen	S	P	995	25	ML	Mis	2,279
44	0	199	0	x		P	29.5	x	Robinson; Pen	S	P	1,000	25	ML	Pen	1,127
45	0	54	0	x			22.5	x	Robinson; Pen	S	P	912	20	ML	Pen	1,041
46	0	112	x	x			31.8	x	Robinson (Flat Rock); Pen	S	P	935	x	ML	Dev	3,110
47	0	338	0	x		W	31.8	x	Robinson; Pen	S	P	930	28	ML	MisL	1,731
48	0	5,347	x	425±			32.3	x							St. Peter	4,654
49	0	2,927	0	650±			32.9	x						A	St. Peter	5,190
50	0	7	0	x			x	x	Pennsylvanian; Pen	S	P	290	x	A		
51	0	x	0	x			x	x	Bridgeport; Pen	S	P	800	40	A		
52	0	x	0	x			x	x	Buchanan; Pen	S	P	1,250	15	A		
53	0	x	0	x			x	x	"Gas"; MisU	S	P	1,330	15	A		
54	0	x	0	600±			x	x	Kirkwood; MisU	S	P	1,400	30	A		
55	0	x	0	650±			x	x	Tracey; MisU	S	P	1,560	20	A		
56	0	x	0	x			x	x	McClosky; MisL	L	P	1,700	10	A		
57				x			x	x	Aux Vases; MisU[25]	S	P	1,980	x	M		
58				x			x	x	Levias; MisL[25]	L	P	2,022	x	MC		
59				x			x	x	Rosiclare; MisL[25]	SL	P	2,038	x	MC		

[5] Pressures in Southeastern Illinois oil fields are estimated bottom-hole pressures reported in previous Survey publications.

[6] Gravities given prior to 1936 (except those in parentheses) were from data for the year 1925 furnished by the Ohio Pipe Line Co. (formerly called the Illinois Pipe Line Co.). Gravities in parentheses are for particular samples (see Ill. State Geological Survey *Bull.* 54, Table 3). The values have been converted from Baumé to A.P.I. gravities.

[25] Producing in combination wells only.

[43] Discrepancies between original completions and present producing wells in various pays are due to wells that were worked over.

TABLE 1.—(*Continued*)

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
			Area Proved, Acres[b]	Total Production, Bbl.[c]		Area Proved, Acres[d]	Millions Cu. Ft.[e]		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
60	St. Francisville, *Lawrence*	x	420	x	x		x	x	55	0	0
61	Lawrence County Division[7]		26,220	233,538,000	1,615,000		x	x	4,493	14	167
62	Allendale, *Wabash, Lawrence*	1912	2,600	7,139,000	800,000		x	x	545	17	5
63			x	x	x		x	x	x	x	x
64			x	x	x		x	x	x	x	x
65			x	x	x		x	x	473	6	0
66			x	x	x		x	x			
67			x	x	x		x	x	4	1	0
68			x	x	x		x	x	6	0	0
69			x	x	x		x	x	14	8	0
70			x	x	x		x	x	37	1	0
71			x	x	x		x	x	x	x	0
72			x	x	x		x	x	9	0	0
73	Total Southeastern Fields[8]		97,035	446,185,000	4,081,000		x	x	19,219	44	469
74	Ayers gas, *Bond*	1922	325	0	0		235.9	14.7	21	0	0
75	Greenville gas, *Bond*	1910[9]	160	0	0		990.0	0	4	0	0
76	Bartelso, *Clinton*	1936	580	1,479,000	123,000		0	0	73	0	3
77			320	916,000	55,000		0	0	48	0	3
78			230	563,000	68,000		0	0	25	0	0
79	Carlyle, *Clinton*	1911	915	3,509,000	28,000		0	0	165	0	0
80	Frogtown, *Clinton*	1918[10]	300	x	0		0	0	12	0	0
81	Ava-Campbell Hill, *Jackson*	1917[11]	440	x	0		x	0	35	0	0
82	Colmar-Plymouth, *McDonough, Hancock*	1914	2,450	3,099,000	108,000		0	0	486	0	0
83	Carlinville, *Macoupin*	1909[12]	80	x	1,000		x	0	8	0	0
84	Gillespie-Benld gas, *Macoupin*	1923[13]	80	0	0		135.8	0	4	0	0
85	Gillespie-Wyen, *Macoupin*	1915	40	x	3,000		0	0	22	0	0
86	Spanish Needle Creek gas, *Macoupin*	1915[14]	80	0	0		14.4	0	7	0	0
87	Staunton gas, *Macoupin*	1916[15]	400	0	0		1,050.0	0	18	0	0
88	Collinsville, *Madison*	1909[16]	40	850	0		0	0	6	0	0
89	Brown, Langewisch-Kuester, Junction City, *Marion*	1910	175	x	x		0	0	14	0	0
90			60	x	x		0	0	7	0	0
91			115	x	x		0	0	7	0	0
92	Sandoval, *Marion*	1909	770	5,155,000	96,000		0	0	150	0	2
93			770	2,702,000	2,000		0	0	123	0	0
94			380	2,452,000	93,000		0	0	27	0	2
95	Wamac, *Marion, Clinton, Washington*	1921	250	479,000	10,000		0	0	106	0	0
96	Litchfield, *Montgomery*	1879[17]	100	22,900	100		0	0	18	0	0
97	Waterloo, *Monroe*	1920[18]	230	226,000	2,000		0	0	41	0	0
98	Jacksonville gas, *Morgan*	1910[19]	1,320	2,000	0		x	0	53	0	0
99	Pittsfield gas, *Pike*	1886[20]	8,960	0	0		x	0	68	0	0
100	Sparta, *Randolph*	1888[21]	165	x	0		x	0	20	0	0
101	Dupo, *St. Clair*	1928	670	1,894,000	15,000		x	0	299	4	1
102	Total of fields discovered prior to Jan. 1, 1937[22]		115,565	461,361,000	4,467,000		2,426.1	14.7	20,894	48	475
103	Beaver Creek, *Bond*	1942	140	26,000	19,000		0	0	9	7	0
104	Sorento, *Bond*	1938[23]	30	4,000	0		0	0	3	0	0
105	Woburn, *Bond*	1940	210	447,000	42,000		0	0	28	0	0

[7] Total of lines 49 and 60.
[8] Total of lines 1, 36, 48, 61, 62.
[9] Abandoned 1923.
[10] Abandoned 1933.
[11] Abandoned 1934.
[12] Abandoned 1925, revived 1942.
[13] Abandoned 1935.
[14] Abandoned 1934.
[15] Abandoned 1919.
[16] Abandoned 1921.
[17] Abandoned 1904, revived 1942, abandoned 1944.
[18] Abandoned 1930, revived 1939.
[19] Abandoned 1937.
[20] Gas not used until 1905, abandoned 1930.
[21] Abandoned 1900.
[22] Total of lines 66 to 94 inclusive. Cumulative oil production total based on U. S. Bureau of Mines monthly report.
[23] Abandoned 1944.

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944: Oil[43] Flowing	Oil[43] Artificial Lift	Gas	Reservoir Pressure, Lb. per Sq. In.[5]: Initial	Avg./End 1944	Secondary Recovery[h]	Character of Oil[i]: Gravity A.P.I. at 60°F[6]	Sulphur, Per Cent	Producing Formation: Name and Age[j]	Character[k]	Porosity, Per Cent[l]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft.,[n] Net	Structure[o]	Deepest Zone Tested[p] to End of 1944: Name	Depth of Hole, Ft
60	0	30	0	600	x		37.3	x	Bethel; MisU	S	P	1,843	22	ML	Mis	1,900
61	0	2,957	0	x	x										St. Peter	5,190
62	0	307	0			W									MisL	2,367
63	0	x	0	x	x		x	x	Bridgeport; Pen	S	P	1,069	12	AM		
64	0	x	0	x	x		x	x	Buchanan; Pen	S	P	1,290	15	AM		
65	0	155	0	x	x		35.1	x	Biehl; Pen	S	P	1,425	20	AM		
66				x	x		x	x	Jordan;[25] Pen	S	P	1,490	10	AM		
67	0	1	0	x	x		x	x	Waltersburg; MisU	S	P	1,540	15	AL		
68	0	6	0	x	x		x	x	Tar Springs; MisU	S	P	1,600	20	AM		
69	0	14	0	x	x		x	x	Cypress; MisU	S	P	1,920	10	AM		
70	0	34	0	x	x		x	x	Bethel; MisU	S	P	2,010	10	AM		
71	0	x	0	x	x		x	x	Rosiclare; MisU	SL	P	2,230	5	AM		
72	0	9	0	900	x		x	x	McClosky; MisL	L	P	2,280	8	AM		
73	0	11,525	x													
74	0	0	9	335	x				Bethel, MisU	S	P	940	5	A	"Trenton"	3,044
75	0	0	0	x					Lindley (1st, 2nd); MisU	S	P	927	x	A	Dev	2,290
76	0	62	0											D	St. Peter	4,212
77	0	39	0	x	x		36.2	0.20	Carlyle; MisU	S	P	984	24	D		
78	0	23	0	x	x		41.5	0.27	Devonian; Dev	L	Cav	2,420	9	D		
79	0	26	0	x	x		35.2	0.26	Carlyle; MisU	S	P	1,035	20	A	St. Peter	4,120
80	0	0	0	x	x		31.9	x	Carlyle; MisU	S	P	950	7	A	Cypress	962
81	0	0	0	x	x		x	x	Cypress; MisU	S	P	780	18	A	Dev	2,530
82	0	228	0	x	x		37.6	0.38	Hoing; Dev	S	P	450	21	AL	"Trenton"	805
83	0	4	0	135	x		27.7	x	Unnamed; Pen	S	P	380	x	A	Pen	410
84	0	0	0	155					Unnamed; Pen	S	P	542	x	A	Pen	575
85	0	8	0	x	x		30.0	x	Unnamed; Pen	S	P	650	x	T	"Trenton"	2,560
86	0	0	0	x					Unnamed; Pen	S	P	305	x	D	Pen	495
87	0	0	0	145					Unnamed; Pen	S	P	461	x	A	"Trenton"	2,371
88	0	0	0	x			x	x	Dev-Sil	L	Cav	1,305	20	ML	Sil	1,500
89	0	5	0													
90	0	x	0	x	x		32.0	x	Dykstra, Wilson; Pen	S	P	610	20	D	MisL	2,001
91	0	x	0	x	x		32.0	x	Cypress; MisU	S	P	1,658	15	D	Dev	3,344
92	0	22	0											D	St. Peter	5,023
93	0	8	0	x	x		34.5	x	Benoist; MisU	S	P	1,540	20±	D		
94	0	15	0	x	x		38.0	0.38	Devonian; Dev	L	Cav	2,924	9	D		
95	0	20	0	x	x		30.2	x	Paro; Pen	S	P	720	20	D	MisL	1,760
96	0	1	0	x	x		23.0	0.42	Unnamed; Pen	S	P	664	x	D	Pen	681
97	0	4	0	x	x		30.2	0.79	"Trenton"; Ord	L	Cav	410	50	A	"Trenton"	845
98	0	0	0	x	x		x	x	Gas; Pen, MisL	S, SL	P	330	5	ML	"Trenton"	1,390
99	0	0	0	x					"Niagaran"; Sil	L	P	265	10	A	St. Peter	893
100	0	0	0	x			x	x	Cypress; MisU	S	P	850	7	D	MisU	985
101	0	88	0	x	x		32.7	0.70	"Trenton"; Ord	L	Cav	561	50	A	New Richmond	1,800
102	0	12,020	x													
103	0	9	0	x	x		34.2	0.25	Benoist; MisU	S	P	1,180	8	A	Dev	2,526
104	0	0	0	x			35.4	x	Devonian; Dev	L	P	1,830	5	A	Dev	1,900
105	0	28	0	x	x		36.4	0.20	Benoist; MisU	S	P	1,010	11	A	Dev	2,476

TABLE 1.—(*Continued*)

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
				Total Production, Bbl.[c]			Millions Cu. Ft.[e]			1944	
			Area Proved, Acres[b]	To End of 1944	During 1944	Area Proved, Acres[d]	To End of 1944	During 1944	Completed to End of 1944	Completed	Abandoned
106	Mt. Auburn, *Christian*	1943	40	7,000	4,000		0	0	1	0	0
107	Bible Grove East, *Clay*	1944	20	x	x		0	0	2	2	0
108	Bible Grove South, *Clay*	1942	20	27,000	9,000		0	0	1	0	0
109	Clay City West, *Clay*	1941	360	1,018,000	60,000		0	0	15	1	0
110	Flora, *Clay*	1938	640	589,000	135,000		0	0	32	4	0
111			10	x	x		0	0	1	0	0
112			x	x	x		0	0	3	0	0
113			x	x	x		0	0	2	0	0
114			x	x	x		0	0			
115			x	x	x		0	0	23	3	0
116									3	1	0
117	Ingraham, *Clay*	1942[24]	80	3,000	500		0	0	2	0	1
118	Iola, *Clay*	1939[27]	2,000	2,100,000	1,079,000		0	0	101	25	0
119			x	x	x		0	0			
120			x	x	x		0	0	8	4	0
121			x	x	x		0	0	4	0	0
122			x	x	x		0	0	53	19	0
123			x	x	x		0	0	8	0	0
124			x	x	x		0	0			
125			x	x	x		0	0			
126			x	x	x		0	0			
127									28	2	0
128	Kenner, *Clay*	1942	520	102,000	90,000		0	0	25	17	0
129			x	x	x		0	0	1	0	0
130	Sailor Springs Consolidated, *Clay*	1941	2,180	1,647,000	520,000		0	0	102	31	2
131			x	x	x		0	0			
132			x	x	x		0	0	36	5	1
133			x	x	x		0	0	63	24	0
134			x	x	x		0	0	5	0	1
135									4	3	0
136	Sailor Springs East, *Clay*	1944	160	9,000	9,000		0	0	9	9	0
137	Toliver, *Clay*	1942[28]	40	6,000	1,000		0	0	1	0	1
138	Toliver East, *Clay*	1943	60	68,000	57,000		0	0	3	2	0
139	Xenia, *Clay*	1941	40	14,000	3,000		0	0	1	0	0
140	Bible Grove, *Clay, Effingham*	1942	2,400	2,089,000	1,049,000		0	0	122	54	1
141			x	x	x		0	0	114	54	0
142			x	x	x		0	0	8	0	1
143	Clay City Consolidated, *Clay, Wayne*	1937	21,000	35,873,000	5,111,000		0	0	957	165	6
144			x	x	x		0	0	34	2	0
145			x	x	x		0	0	1	0	0
146			x	x	x		0	0	127	90	0
147			x	x	x		0	0	6	1	0
148			x	x	x		0	0	750	68	5
149									19	4	0
150	Bartelso South, *Clinton*	1942	80	10,000	3,000		0	0	2	0	0
151	Boulder, *Clinton*	1941	360	1,536,000	535,000		x	x	35	0	0
152			x	x	x		0	0	24	0	0
153			x	x	x		x	x	11	0	0
154	Centralia West, *Clinton*	1940	90	213,000	48,000		0	0	10	0	0
155	Hoffman, *Clinton*	1939	300	481,000	50,000		0	0	44	0	2
156			x	x	x		0	0	10	0	x
157			x	x	x		0	0	34	0	x
158	Posey, *Clinton*	1941	20	5,000	500		0	0	2	0	0
159	Santa Fe, *Clinton*	1944	10	100	100		0	0	1	1	0
160	Centralia, *Clinton, Marion*	1937	2,850	25,806,000	1,740,000		0	0	906	0	45
161			x	x	x		0	0	23	0	x
162			x	x	x		0	0	562	0	x
163			x	x	x		0	0	0	0	0
164			x	15,250,000	1,015,000		0	0	319	0	x
165			x	31,000	3,000		0	0	2	0	0
166	Cooks Mills, *Coles*	1941	20	5,000	400		0	0	2	0	1

[24] Abandoned 1942, revived 1943, abandoned 1944.
[27] Abandoned 1940, revived 1941.
[28] Abandoned 1944.

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944: Oil[43] Flowing	Oil[43] Artificial Lift	Gas	Reservoir Pressure, Lb. per Sq. In.[5]: Initial	Avg./End 1944	Secondary Recovery[h]	Character of Oil[i]: Gravity A.P.I. at 60°F.[6]	Sulphur, Per Cent	Producing Formation: Name and Age[j]	Character[k]	Porosity, Per Cent[l]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft.,[n] Net	Structure[o]	Deepest Zone Tested[p] to End of 1944: Name	Depth of Hole, Ft.
106	0	1	0	x	x		36.6	0.28	Silurian; Sil	L	P	1,900	4	x	Sil	1,998
107	0	2	0	x	x		x	x	Cypress; MisU	S	P	2,510	10	A	MisU	2,539
108	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,750	10	ML	MisL	2,946
109	0	15	0	x	x		39.0	0.17	McClosky; MisL	OL	P	3,050	15	A	MisL	3,030
110	0	26	0												MisL	3,100
111	0	0	0	x	x		x	x	Tar Springs; MisU	S	P	2,320	12	A		
112	0	1	0	x	x		x	x	Cypress; MisU	S	P	2,595	5	A		
113	0	2	0	x	x		37.4	x	Bethel; MisU	S	P	2,790	20	A		
114				x	x		x	x	Aux Vases; MisU[27]	S	P	2,875	28	A		
115	0	20	0	x	x		37.2	0.24	McClosky; MisL	OL	P	2,970	6	A		
116	0	3	0						[26]							
117	0	0	0	x	x		x	x	McClosky; MisL	OL	P	3,100	7	MC	MisL	3,140
118	0	99	0												MisL	2,590
119				x	x		x	x	Tar Springs; MisU[25]	S	P	1,890	9	D		
120	0	8	0	x	x		x	x	Weiler; MisU	S	P	2,125	20	D		
121	0	4	0	x	x		36.0	0.14	Bethel; MisU	S	P	2,290	14	D		
122	0	51	0	x	x		35.4	0.25	Aux Vases; MisU	S	P	2,335	11	D		
123	0	8	0	x	x		x	x	McClosky; MisL	OL	P	2,425	10	ML		
124				x	x		x	x	Paint Creek; MisU[25]	S	P	2,240	15	D		
125				x	x		x	x	Renault; MisU[25]	S	P	2,320	9	D		
126				x	x		x	x	Rosiclare; MisL[25]	SL	P	2,410	7	D		
127	0	28	0						[26]							
128	0	23	0	x	x		36.8	0.22	Bethel; MisU	S	P	2,660	10	AC	MisL	3,035
129	0	1	0	x	x		x	x	Aux Vases; MisU[25]	S	P	2,810	9	A		
130	0	101	0												MisL	3,460
131				x	x		x	x	Glen Dean; MisU[25]	L	P	2,390	8	A		
132	0	30	0	x	x		39.5	0.17	Tar Springs; MisU	S	P	2,340	15	A		
133	0	63	0	775	x		38.5	0.28	Cypress; MisU	S	P	2,590	14	A		
134	0	4	0	x	x		36.4	x	McClosky; MisL	OL	P	3,000	5	A		
135	0	4	0						[26]							
136	0	9	0	x	x		29.0	x	Cypress; MisU	S	P	2,690	8	D	MisU	2,718
137	0	0	0	x	x		37.1	x	McClosky; MisL	OL	P	2,790	10	MC	MisL	2,890
138	0	3	0	x	x		x	x	McClosky; MisL	OL	P	2,840	8	MC	MisL	2,946
139	0	1	0	x	x		35.2	0.19	Aux Vases; MisU	S	P	2,785	12	A	Dev	4,970
140	0	119	0												MisL	2,970
141	0	112	0	x	x		38.0	0.13	Weiler; MisU	S	P	2,490	15	A		
142	0	7	0	x	x		36.2	x	McClosky; MisL	OL	P	2,810	6	A		
143	0	918	0			W									Dev	4,840
144	0	42	0	x	x		37.9	x	Cypress; MisU	S	P	2,670	10	A		
145	0	0	0	x	x		38.0	x	Bethel; MisU[25]	S	P	2,880	5	A		
146	0	126	0	x	x		38.0	x	Aux Vases; MisU	S	P	2,910	15	AL		
147	0	6	0	x	x		38.0	x	Rosiclare; MisL	OL	P	2,970	4	AL		
148	0	645	0	x	x		38.5	x	McClosky; MisL	OL	P	2,980	10	AM		
149	0	97	0						[26]							
150	0	2	0	x	x		40.0	0.15	Devonian; Dev	L	Cav	2,465	8	A	Dev	2,652
151	1	31	3												Dev	2,672
152	0	24	0	x	x		36.0	x	Bethel; MisU	S	P	1,190	20	A		
153	1	7	3	x	x		28.2	0.33	Devonian; Dev	L	Cav	2,630	4	A		
154	0	9	0	x	x		37.8	0.17	Bethel; MisU	S	P	1,410	8	N	MisU	1,531
155	0	34	0												Dev	2,914
156	0	x	0	x	x		x	x	Cypress; MisU	S	P	1,885	11	A		
157	0	x	0	x	x		32.2	0.21	Bethel; MisU	S	P	1,320	7	A		
158	0	1	0	x	x		36.1	0.17	Cypress; MisU	S	P	1,100	5	M	MisU	1,265
159	0	1	0	x	x		x	x	Weiler; MisU	S	P	950	19	x	Dev	2,512
160	0	509	0												"Trenton"	4,070
161	0	x	0	x	x		36.4	0.20	Cypress; MisU	S	P	1,200	15	A		
162	0	x	0	x	25±		37.7	0.17	Bethel; MisU	S	P	1,355	20	A		
163	0	2	0	x	x		x	x	McClosky; MisL	OL	P	x	x	A		
164	0	250	0	x	200±		37.4	0.38	Devonian; Dev	L	Cav	2,870	12	A		
165	0	1	0	x	x		43.2	0.28	"Trenton"; Ord	L	Cav	4,020	7	A		
166	0	1	0	x	x		36.4	0.40	Aux Vases; MisU	S	P	1,825	10	M	Dev	3,226

[26] Wells producing from more than one sand, see Table 6.

TABLE 1.—(*Continued*)

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
			Area Proved, Acres[b]	Total Production, Bbl.[c]		Area Proved, Acres[d]	Millions Cu. Ft.[e]			1944	
				To End of 1944	During 1944		To End of 1944	During 1944	Completed to End of 1944	Completed	Abandoned
167	Mattoon, *Coles*	1939[29]	320	61,000	28,000		0	0	11	8	0
168			10	〃	〃		0	0	2	1	0
169			290	〃	〃		0	0	8	7	0
170			20	〃	〃		0	0	1	0	0
171	New Bellair, *Crawford*	1942	20	9,000	2,000		0	0	2	0	0
172	Albion Consolidated, *Edwards*	1940	3,000	3,534,000	818,000		0	0	153	62	0
173			〃	〃	〃		0	0	2	2	0
174			〃	〃	〃		0	0	7	1	0
175			〃	〃	〃		0	0	10	10	0
176			〃	〃	〃		0	0			
177			〃	〃	〃		0	0	22	8	0
178			〃	〃	〃		0	0			
179			〃	〃	〃		0	0	1	1	0
180			〃	〃	〃		0	0	4	1	0
181			〃	〃	〃		0	0	1	1	0
182			〃	〃	〃		0	0	11	9	0
183			〃	〃	〃		0	0	2	2	0
184			〃	〃	〃		0	0	1	1	0
185			〃	〃	〃		0	0	66	5	0
186									27	21	0
187	Albion East, *Edwards*	1943	320	183,000	148,000		0	0	11	5	0
188			〃	〃	〃		0	0	4	3	0
189			〃	〃	〃		0	0			
190			〃	〃	〃		0	0			
191			〃	〃	〃		0	0	3	0	0
192			〃	〃	〃		0	0	1	0	0
193			〃	〃	〃		0	0			
194									3	2	0
195	Bennington South, *Edwards*	1944	20	6,000	6,000		0	0	1	1	0
196	Bone Gap, *Edwards*	1941	360	587,000	115,000		0	0	19	1	2
197	Browns South, *Edwards*	1943	20	1,000	1,000		0	0	2	1	1
198	Cowling, *Edwards*	1939	220	321,000	24,000		0	0	15	2	0
199			〃	〃	〃		0	0	13	0	0
200			〃	〃	〃		0	0			
201			〃	〃	〃		0	0	2	2	0
202									0	0	0
203	Ellery North, *Edwards*	1942[30]	20	3,000	0		0	0	1	0	0
204	Ellery South, *Edwards*	1943	80	18,000	11,000		0	0	2	0	1
205	Maplegrove, *Edwards*	1943	520	542,000	318,000		0	0	17	4	0
206	Maplegrove East, *Edwards*	1944	120	12,000	12,000		0	0	3	3	0
207	Samsville, *Edwards*	1942[31]	20	700	0		0	0	1	0	0
208	Browns, *Edwards, Wabash*	1943	560	186,000	182,000		0	0	18	17	0
209			〃	〃	〃		0	0	4	3	0
210			〃	〃	〃		0	0	1	1	0
211			〃	〃	〃		0	0	8	8	0
212									5	5	0
213	Lancaster West, *Edwards, Wabash*	1943	80	77,000	29,000		0	0	3	1	0
214			〃	〃	〃		0	0	2	1	0
215			〃	〃	〃		0	0	1	0	0
216	Bennington, *Edwards, Wayne*	1943	80	33,000	21,000		0	0	4	2	0
217			〃	〃	〃		0	0	3	1	0
218			〃	〃	〃		0	0	1	1	0
219	Ellery, *Edwards, Wayne*	1941	40	37,000	7,000		0	0	2	0	0
220			20	〃	〃		0	0			
221			20	〃	〃		0	0	2	0	0
222									0	0	0
223	Grayville, *Edwards, White*	1939	300	422,000	103,000		0	0	24	4	1
224			〃	〃	〃		0	0	1	1	0
225			〃	〃	〃		0	0	1	1	0
226			〃	〃	〃		0	0	1	1	0
227			〃	〃	〃		0	0	20	0	1
228									1	0	0

[29] Abandoned 1939, revived 1940.
[30] Abandoned 1943.
[31] Abandoned 1942.

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944			Reservoir Pressure, Lb. per Sq. In.[5]		Secondary Recovery[h]	Character of Oil[i]		Producing Formation						Deepest Zone Tested[p] to End of 1944	
	Oil[43]		Gas													
	Flowing	Artificial Lift		Initial	Avg./End 1944		Gravity A.P.I. at 60°F.[6]	Sulphur, Per Cent	Name and Age[j]	Character[k]	Porosity, Per Cent[l]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft.,[n] Net	Structure[o]	Name	Depth of Hole, Ft.
167	0	9	0												Shakopee	4,915
168	0	0	0	x			44.1	0.16	Cypress; MisU	S	P	1,835	15	D		
169	0	8	0	x			x	x	Rosiclare; MisL	S	P	2,000	10	ML		
170	0	1	0	x			36.6	0.29	McClosky; MisL	OL	P	2,025	12	D		
171	0	2	0	x			x	x	Pennsylvanian; Pen	S	P	1,170	30	ML	Dev	2,760
172	0	146	0												Dev	5,185
173	0	1	0	x			29.6	x	Mansfield; Pen	S	P	1,650	13	MF		
174	0	5	0	550			34.0	x	Bridgeport; Pen	S	P	1,860	20	MF		
175	0	10	0	600			x	x	Biehl; Pen	S	P	1,995	15	MF		
176				600			x	x	Degonia; MisU[25]	S	P	2,125	8	MF		
177	0	21	0	400			34.0	x	Waltersburg; MisU	S	P	2,365	15	AL		
178				700			x	x	Tar Springs; MisU[25]	S	P	2,450	10	AL		
179	0	1	0	x			x	x	Hardinsburg; MisU	S	P	2,364	5	A		
180	0	5	0	900			38.0	x	Bethel; MisU	S	P	2,960	15	Af		
181	0	1	0	900			x	x	Renault; MisU	S	P	3,002	10	Af		
182	0	11	0	950			39.0	x	Aux Vases; MisU	S	P	3,045	20	Af		
183	0	2	0	x			x	x	Levias; MisL	L	P	3,110	10	A		
184	0	1	0	x			x	x	Rosiclare; MisL	L	P			A		
185	0	58	0	900			40.0	0.18	McClosky; MisL[26]	L	P	3,140	10	AC		
186	0	30	0													
187	0	11	0												MisL	3,244
188	0	4	0	x			x	x	Cypress; MisU	S	P	2,790	15	A		
189				x					Paint Creek; MisU[25]	S	P	2,910	10	A		
190				x					Bethel; MisU[25]	S	P	2,955	25	A		
191	0	3	0	x			x	x	Aux Vases; MisU	S	P	3,000	15	A		
192	0	1	0	x			x	x	Levias; MisL	L	P	3,100	6	A		
193				x			x	x	McClosky; MisL[25][26]	L	P	3,140	8	A		
194	0	3	0													
195	0	1	0	x			x	x	McClosky; MisL	L	P	3,253	4	MC	MisL	3,419
196	0	16	0	x			40.5	0.33	McClosky; MisL	L	P	3,250	10	A	MisL	3,350
197	0	1	0	x			x	x	Bethel; MisU	S	P	2,840	15	L	MisL	3,144
198	0	13	0												MisL	3,175
199	0	9	0	x			36.6	0.23	Cypress; MisU	S	P	2,630	15	A		
200				x			x	x	Bethel; MisU[25]	S	P	2,770	x	AL		
201	0	2	0	x			x	x	McClosky MisU[26]	L	P	2,995	5	AC		
202	0	2	0													
203	0	0	0	x			37.6	0.19	McClosky; MisL	L	P	3,420	7	MC	MisL	3,496
204	0	1	0	225±			39.0	x	McClosky; MisL	L	P	3,320	11	MC	MisL	3,373
205	0	14	0	x			x	x	McClosky; MisL	L	P	3,270	8	A	MisL	3,340
206	0	3	0	x			x	x	McClosky; MisL	L	P	3,215	6	ML	MisL	3,315
207	0	0	0	x			x	x	Waltersburg; MisU	S	P	2,430	4	x	MisL	3,295
208	0	18	0												MisL	3,187
209	0	6	0	x			x	x	Cypress; MisU	S	P	2,651	30	AL		
210	0	1	0	x			x	x	Bethel; MisU	S	P	2,778	12	A		
211	0	5	0	x			x	x	McClosky; MisL[26]	L	P	3,007	9	A		
212	0	6	0													
213	0	3	0												MisL	3,125
214	0	2	0	x			x	x	Levias; MisL	L	P	2,850	8	MC		
215	0	1	0	x			x	x	McClosky; MisL	L	P	2,860	8	MC		
216	1	3	0												MisL	3,350
217	0	1	0	x			x	x	Aux Vases; MisU	S	P	3,150	20	ML		
218	1	2	0	x			x	x	McClosky; MisL	L	P	3,215	10	MC		
219	0	2	0												MisL	3,365
220				x			x	x	Aux Vases; MisU[25]	S	P	3,242	20	AL		
221	0	1	0	x			39.1	x	McClosky; MisL[26]	L	P	3,340	10	A		
222	0	1	0													
223	0	18	0												MisL	3,280
224	0	1	0	x			x	x	Palestine; MisU	S	P	2,098	12	AL		
225	0	1	0	x			x	x	Cypress; MisU	S	P	2,888	16	A		
226	0	1	0	x			x	x	Rosiclare; MisL	L	P	3,122	x	A		
227	0	14	0	x			35.8	0.31	McClosky; MisL[26]	L	P	3,100	10	A		
228	0	1	0													

TABLE 1.—(*Continued*)

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
			Area Proved, Acres[b]	Total Production, Bbl.[c]		Area Proved, Acres[d]	Millions Cu. Ft.[e]		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
229	Hill, *Effingham*	1943	40	24,000	16,000		0	0	2	0	0
230	Mason, *Effingham*	1940	100	171,000	10,000		0	0	9	0	1
231	Mason South, *Effingham*	1941	700	655,000	221,000		0	0	45	3	1
232			〃	〃	〃		0	0	19	0	1
233			〃	〃	〃		0	0	4	1	0
234			〃	〃	〃		0	0	4	1	0
235			〃	〃	〃		0	0	3	0	0
236									15	1	0
237	Louden, *Effingham, Fayette*	1937	20,650	112,607,000	11,271,000		0	0	1,987	1	15
238			20,080	〃	〃		0	0	949	1	1
239			11,000	〃	〃		0	0	323	0	1
240			7,010	〃	〃		0	0	420	0	0
241			3,130	5,862,000	1,599,000		0	0	84	0	1
242									211	0	12
243	La Clede, *Fayette*	1943	40	2,000	2,000		0	0	1	0	0
244	St. James, *Fayette*	1938	1,900	7,703,000	921,000		0	0	192	1	6
245	St. Paul, *Fayette*	1941	170	240,000	65,000		0	0	13	0	0
246	Akin, *Franklin*	1942	140	208,000	67,000		0	0	7	0	0
247			〃	〃	〃		0	0	3	0	0
248			〃	〃	〃		0	0	3	0	0
249			〃	〃	〃		0	0			
250									1	0	0
251	Benton, *Franklin*	1941	2,200	16,268,000	1,558,000		0	0	243	9	4
252	Benton North, *Franklin*	1941	200	266,000	66,000		0	0	15	3	0
253			〃	〃	〃		0	0	1	1	0
254			〃	〃	〃		0	0	4	1	0
255			〃	〃	〃		0	0	2	0	0
256			〃	〃	〃		0	0	2	0	0
257			〃	〃	〃		0	0	1	0	0
258			〃	〃	〃		0	0	1	0	0
259			〃	〃	〃		0	0	2	0	0
260									2	1	0
261	Bessie, *Franklin*	1943	20	15,000	7,000		0	0	1	0	0
262	Ewing, *Franklin*	1944	40	3,000	3,000		0	0	1	1	0
263	Sesser, *Franklin*	1942	60	46,000	16,000		0	0	5	1	0
264			〃	〃	〃		0	0	4	0	0
265			〃	〃	〃		0	0			
266			〃	〃	〃		0	0			
267									1	1	0
268	Thompsonville, *Franklin*	1940	220	258,000	17,000		0	0	19	0	2
269	Thompsonville North, *Franklin*	1944	10	〃	〃		0	0	1	1	0
270	Valier, *Franklin*	1942	20	2,000	1,000		0	0	1	0	0
271	West Frankfort, *Franklin*	1941	150	403,000	268,000		0	0	15	5	0
272			〃	〃	〃		0	0	14	5	0
273			〃	〃	〃		0	0	1	0	0
274	West Frankfort South, *Franklin*	1943	100	156,000	102,000		0	0	8	0	0
275			〃	〃	〃		0	0	6	0	0
276			〃	〃	〃		0	0	2	0	0
277	Whittington, *Franklin*	1939	120	45,000	15,000		0	0	3	1	0
278			〃	〃	〃		0	0	1	0	0
279			〃	〃	〃		0	0			
280			〃	〃	〃		0	0	1	1	0
281									1	0	0
282	Whittington West, *Franklin*	1943	60	5,000	5,000		0	0	3	2	0
283			〃	〃	〃		0	0	2	2	0
284			〃	〃	〃		0	0	1	0	0
285	Inman, *Gallatin*	1940	60	60,000	13,000		0	0	8	0	0
286			〃	〃	〃		0	0	3	0	0
287			〃	〃	〃		0	0	2	0	0
288			〃	〃	〃		0	0	2	0	0
289			〃	〃	〃		0	0	1	0	0
290	Inman East, *Gallatin*	1940	1,060	2,560,000	868,000		0	0	98	17	0
291			〃	〃	〃		0	0	3	0	0
292			〃	〃	〃		0	0			
293			〃	〃	〃		0	0	1	1	0

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944: Oil[43] Flowing	Oil[43] Artificial Lift	Gas	Reservoir Pressure, Lb. per Sq. In.[5]: Initial	Avg./End 1944	Secondary Recovery[h]	Character of Oil[i]: Gravity A.P.I. at 60° F[6]	Sulphur, Per Cent	Producing Formation: Name and Age[j]	Character[k]	Porosity, Per Cent[l]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft.,[n] Net	Structure[o]	Deepest Zone Tested[p] to End of 1944: Name	Depth of Hole, Ft.
229	0	2	0	x	x		39.0	x	McClosky; MisL	L	P	2,570	6	A	MisL	2,675
230	0	2	0	x	x		38.4	0.21	McClosky; MisL	L	P	2,490	14	A	MisL	2,551
231	0	43	0												MisL	2,553
232	0	17	0	x	x		38.0	x	Bethel; MisU	S	P	2,290	20	A		
233	0	4	0	x	x		x	x	Aux Vases; MisU	S	P	2,360	14	A		
234	0	4	0	x	x		x	x	Rosiclare; MisL	S	P	2,430	8	A		
235	0	3	0	x	x		38.4	0.21	McClosky; MisL[26]	L	P	2,450	7	A		
236	0	15	0												St. Peter	4,680
237	167	1,625	0			G										
238	34	x	0	x	286±		36.6	0.25	Cypress; MisU	S	P	1,495	22	A		
239	0	x	0	x	315±		37.8	0.24	Paint Creek; MisU	S	P	1,538	15	A		
240	0	x	0	x	319±		38.5	0.20	Bethel; MisU	S	P	1,550	16	A		
241	23	59	0	x	1,268		28.2	0.48	Devonian; Dev[26]	L	Cav	3,000	16	A		
242	111	553	0													
243	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,335	20	T	MisL	2,608
244	0	178	0	x	x		34.4	0.31	Cypress; MisU	S	P	1,580	16	A	Dev	3,375
245	0	12	0	x	x		34.0	0.23	Bethel; MisU	S	P	1,885	6	A	Dev	3,570
246	0	7	0												MisL	3,515
247	0	3	0	x	x		32.0	x	Cypress; MisU	S	P	2,840	10	ML		
248	0	4	0	x	x		37.8	0.12	Aux Vases; MisU	S	P	3,120	15	AL		
249				x	x		x	x	McClosky; MisL[25][26]	L	P	3,226	9	ML		
250	0	0	0													
251	0	236	0	x	x		41.7	0.12	Tar Springs; MisU	S	P	2,100	34	A	MisL	3,205
252	0	15	0												MisL	2,963
253	0	1	0	x	x		x	x	Cypress; MisU	S	P	2,440	10	A		
254	0	4	0	x	x		x	x	Paint Creek; MisU	S	P	2,595	10	A		
255	0	2	0	x	x		38.4	0.15	Bethel; MisU	S	P	2,605	10	A		
256	0	2	0	x	x		39.0	0.15	Aux Vases; MisU	S	P	2,696	10	AL		
257	0	4	0	x	x		37.4	0.17	Levias; MisL	L	P	2,720	8	AC		
258	0	0	0	x	x		38.4	0.15	Rosiclare; MisL	S	P	2,780	7	AL		
259	0	0	0	x	x		x	x	McClosky; MisL[26]	L	P	2,785	5	AC		
260	0	2	0													
261	0	1	0	x	x		38.8	0.15	Levias; MisL	L	P	2,894	11	x	MisL	3,460
262	0	1	0	x	x		x	x	McClosky; MisL	L	P	2,975	6	x	MisL	2,980
263	0	5	0												Dev	4,688
264	0	4	0	0	0		39.2	0.17	Aux Vases; MisU	S	P	2,700	7	x		
265				x	x		x	x	Rosiclare; MisL	S	P	2,836	16	x		
266				x	x		x	x	McClosky; MisL[26]	L	P	2,856	7	x		
267	0	1	0													
268	0	2	0	x	x		37.8	0.16	McClosky; MisL	L	P	3,120	12	A	MisL	3,455
269	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	3,122	11	AL	MisL	3,298
270	0	1	0	x	x		x	x	McClosky; MisL	L	P	2,715	8	ML	MisL	2,725
271	0	15	0												MisL	2,995
272	0	14	0	x	x		38.4	0.13	Tar Springs; MisU	S	P	2,050	15	A		
273	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,700	15	AL		
274	0	8	0												MisL	3,156
275	0	6	0	x	x		x	x	Tar Springs; MisU	S	P	2,040	15	A		
276	0	2	0	x	x		37.2	0.23	Levias; MisL	L	P	2,765	8	AC		
277	0	3	0												MisL	3,130
278	0	1	0	x	x		x	x	Cypress; MisU	S	P	2,540	10	A		
279				x	x		x	x	McClosky; MisL[25]	L	P	2,870	5	AC		
280	0	1	0	x	x		x	x	St. Louis; MisL[26]	L	P	3,060	7	AC		
281	0	1	0													
282	0	3	0												MisL	2,942
283	0	2	0	x	x		x	x	Aux Vases; MisU	S	P	2,680	32	AL		
284	0	1	0	x	x		x	x	Levias; MisL	L	P	2,752	20	AC		
285	0	4	0												MisL	3,010
286	0	2	0	x	x		36.0	x	Palestine; MisU	S	P	1,830	10	AL		
287	0	0	0	x	x		x	x	Waltersburg; MisU	S	P	1,990	10	AL		
288	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,695	12	AL		
289	0	0	0	x	x		x	x	McClosky; MisU	L	P	2,730	10	AC		
290	0	97	0												MisL	3,020
291	0	3	0	x	x		24.4	0.31	Pennsylvanian; Pen	S	P	780	10	Af		
292				x	x		x	x	Degonia; MisU[25]	S	P	1,690	10	Af		
293	0	0	0	x	x		x	x	Clore; MisU[25]	S	P	1,725	10	Af		

1625
167
1792

TABLE 1.—(*Continued*)

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
				Total Production, Bbl.[c]			Millions Cu. Ft.[e]			1944	
			Area Proved, Acres[b]	To End of 1944	During 1944	Area Proved, Acres[d]	To End of 1944	During 1944	Completed to End of 1944	Completed	Abandoned
294			x	x	x		0	0			
295			x	x	x		0	0	15	9	0
296			x	x	x		0	0	45	1	0
297			x	x	x		0	0	0	0	0
298			x	x	x		0	0	15	5	0
299			x	x	x		0	0	4	0	0
300									14	1	0
301	Inman North, *Gallatin*	1941	50	9,000	0		0	0	3	0	0
302			x	x	0		0	0	1	0	0
303			x	x	0		0	0	2	0	0
304	Inman West, *Gallatin*	1942	275	311,000	105,000		0	0	20	0	2
305			x	x	x		0	0	1	0	0
306			x	x	x		0	0	13	0	2
307			x	x	x		0	0			
308									6	0	0
309	Junction, *Gallatin*	1939	150	211,000	18,000		0	0	14	0	0
310	New Haven West, *Gallatin*	1944	160	55,000	55,000		0	0	8	8	0
311	Omaha, *Gallatin*	1940	260	963,000	153,000		x	x	21	0	0
312			x	x	x		0	0	17	0	0
313			x	x	x		x	x	4	0	0
314									0	0	0
315	Belle Prairie, *Hamilton*	1940	160	125,000	39,000		0	0	5	3	0
316	Blairsville, *Hamilton*	1942	660	1,034,000	376,000		0	0	29	5	0
317									22	4	0
318									1	0	0
319									4	1	0
320									2	0	0
321	Bungay, *Hamilton*	1941	600	747,000	641,000		0	0	33	20	1
322			x	x	x		0	0	32	19	1
323			x	x	x		0	0	1	1	0
324	Dahlgren, *Hamilton*	1941	540	898,000	35,000		0	0	42	0	2
325	Dale-Hoodville Consolidated, *Hamilton*	1940	5,000	19,240,000	3,132,000		0	0	423	21	8
326			x	x	x		0	0	25	4	0
327			x	x	x		0	0	40	3	0
328			x	x	x		0	0	2	2	2
329			x	x	x		0	0	90	3	1
330			x	x	x		0	0	192	7	5
331			x	x	x		0	0	2	0	0
332			x	x	x		0	0			
333			x	x	x		0	0	25	1	0
334									47	1	0
335	Hoodville East, *Hamilton*	1944[32]	20	600	600		0	0	1	1	1
336	Rural Hill, *Hamilton*	1941	2,840	7,961,000	909,000		0	0	202	7	1
337			x	x	x		0	0	1	0	0
338			x	x	x		0	0			
339			x	x	x		0	0	99	5	0
340			x	x	x		0	0	12	0	0
341			x	x	x		0	0	2	0	0
342			x	x	x		0	0	27	2	1
343									61	0	0
344	Thackeray, *Hamilton*	1944	30	6,000	6,000		0	0	3	3	0
345	Walpole, *Hamilton*	1941	1,420	2,528,000	717,000		0	0	64	6	0
346			x	x	x		0	0	2	0	0
347			x	x	x		0	0	62	6	0
348	West End, *Hamilton*	1944	10	8,000	8,000		0	0	1	1	0
349	Elkville, *Jackson*	1941	10	2,000	500		0	0	1	0	0
350	Bogota, *Jasper*	1943	200	204,000	150,000		0	0	7	1	0
351	Bogota South, *Jasper*	1944	20	4,000	4,000		0	0	1	1	0
352	Boos North, *Jasper*	1940	1,075	2,472,000	227,000		0	0	63	0	1
353			x	x	x		0	0			
354			x	x	x		0	0	63	0	1
355									0	0	0
356	Hidalgo, *Jasper*	1940[33]	20	10,000	0		0	0	1	0	0

[32] Abandoned 1944.
[33] Abandoned 1943.

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944			Reservoir Pressure, Lb. per Sq. In.[5]		Secondary Recovery[h]	Character of Oil[i]		Producing Formation						Deepest Zone Tested[p] to End of 1944	
	Oil[43]		Gas													
	Flowing	Artificial Lift[k]		Initial	Avg./End 1944		Gravity A.P.I. at 60°F.[6]	Sulphur, Per Cent	Name and Age[j]	Character[k]	Porosity, Per Cent[l]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft.,[n] Net	Structure[o]	Name	Depth of Hole, Ft.
294				x	x		x	x	Palestine; MisU[25]	S	P	1,840	13	Af		
295	0	18	0	x	x		x	x	Waltersburg; MisU	S	P	1,980	18	ALf		
296	0	41	0	x	x		34.6	0.24	Tar Springs; MisU	S	P	2,080	15	AF		
297	0	2	0	x	x		x	x	Hardinsburg; MisU	S	P	2,135	8	ALf		
298	0	13	0	x	x		35.2	0.23	Cypress; MisU	S	P	2,390	12	ALf		
299	0	4	0	x	x		x	x	McClosky; MisL[26]	L	P	2,800	10	ACf		
300	0	16	0												MisL	3,020
301	0	0	0													
302	0	0	0	x	x		x	x	Aux Vases; MisU	S	P	2,815	20	ML		
303	0	0	0	x	x		36.6	0.19	McClosky; MisL	L	P	2,860	15	MC		
304	0	18	0												MisL	2,990
305	0	1	0	x	x		x	x	Tar Springs; MisU	S	P	2,175	20	AL		
306	0	11	0	x	x		38.0	x	Cypress; MisU	S	P	2,485	15	AL		
307				x	x		x	x	McClosky; MisL[25][26]	L	P	2,875	8	A		
308	0	6	0													
309	0	14	0	x	x		37.2	0.22	Waltersburg; MisU	S	P	1,765	15	AF	MisL	2,710
310	0	8	0	x	x		x	x	Tar Springs; MisU	S	P	2,100	20	Af	MisL	2,930
311	0	18	x												MisL	2,547
312	0	12	0	x	x		25.9	0.23	Palestine; MisU	S	P	1,690	20	D		
313	0	3	x	x	x		27.0	0.24	Tar Springs; MisU	S	P	1,880	15	D		
314	0	3	0													
315	0	5	0	x	x		37.0	0.12	McClosky; MisL[26]	L	P	3,445	7	x	MisL	3,580
316	0	28	0												MisL	3,530
317	0	18	0	x	x		38.1	x	Aux Vases; MisU	S	P	3,280	20	AL		
318	0	1	0	x	x		x	x	Levias; MisL	L	P	3,340	7	AC		
319	0	7	0	x	x		38.6	0.13	McClosky; MisL[26]	L	P	3,430	7	AC		
320	0	2	0													
321	0	32	0												MisL	3,541
322	0	31	0	x	x		36.8	0.24	Aux Vases; MisU	S	P	3,285	15	AL		
323	0	1	0	x	x		x	x	McClosky; MisL	L	P	3,430	8	AC		
324	0	23	0	x	x		38.7	0.18	McClosky; MisL	L	P	3,315	10	A	MisL	3,497
325	0	402	0	x	x	G									Dev	5,354
326	0	23	0	x	x		x	x	Tar Springs; MisU	S	P	2,430	25	AL		
327	0	40	0	x	x		37.6	0.25	Cypress; MisU	S	P	2,680	18	A		
328	0	8	0	x	x		x	x	Paint Creek; MisU	S	P	2,865	x	A		
329	0	60	0	x	x		39.0	0.19	Bethel; MisU	S	P	2,950	20	A		
330	0	146	0	x	x		38.0	0.15	Aux Vases; MisU	S	P	3,020	20	A		
331	0	2	0	x	x		x	x	Levias; MisL	L	P	3,050	6	AC		
332				x	x		38.6	x	Rosiclare; MisL[25]	SL	P	3,060	15	AC		
333	0	24	0	x	x		38.6	0.19	McClosky; MisL[26]	L	P	3,075	5	AC		
334	0	99	0													
335	0	0	0	x	x		x	x	McClosky; MisL	L	P	3,364	9	x	MisL	3,387
336	0	185	0			G									MisL	3,450
337	0	1	0	x	x		x	x	Cypress; MisU	S	P	2,705	22	A		
338				x	x		x	x	Paint Creek; MisU[25]	S	P	3,040	20	A		
339	0	73	0	x	x		38.0	0.15	Aux Vases; MisU	S	P	3,130	25	A		
340	0	12	0	x	x		x	x	Levias; MisL	L	P	3,175	15	AC		
341	0	2	0	x	x		38.6	x	Rosiclare; MisL	SL	P	3,200	5	AC		
342	0	26	0	x	x		38.6	0.19	McClosky; MisL[26]	L	P	3,230	10	AC		
343	0	71	0													
344	0	3	0	x	x		x	x	Aux Vases; MisU	S	P	3,390	15	ML	MisU	3,410
345	0	64	0			G									MisL	3,331
346	0	2	0	x	x		36.1	x	Tar Springs; MisU	S	P	2,465	6	AL		
347	0	62	0	x	x		38.4	0.13	Aux Vases; MisU	S	P	3,070	25	A		
348	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	3,130	14	ML	MisL	3,419
349	0	1	0	x	x		35.8	0.22	Bethel; MisU	S	P	2,000	10	x	MisL	2,387
350	0	7	0	x	x		x	x	McClosky; MisL	L	P	3,110	10	A	MisL	3,234
351	0	1	0	x	x		x	x	McClosky; MisL	L	P	3,054	4	ML	MisL	3,185
352	0	56	0												MisL	2,950
353				x	x		x	x	Rosiclare; MisL[25]	S	P	2,765	x	AC		
354	0	50	0	x	x		38.6	0.20	McClosky; MisL[26]	L	P	2,800	9	A		
355	0	6	0													
356	0	0	0	x	x		38.6	0.20	McClosky; MisL	L	P	2,598	8	MC	Dev	4,140

TABLE 1.—(*Continued*)

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
			Area Proved, Acres[b]	Total Production, Bbl.[c]		Area Proved, Acres[d]	Millions Cu. Ft.[e]			1944	
				To End of 1944	During 1944		To End of 1944	During 1944	Completed to End of 1944	Completed	Abandoned
357	Newton, *Jasper*	1944	20	300	300		0	0	1	1	0
358	Ste. Marie, *Jasper*	1941	430	477,000	50,000		0	0	20	0	0
359	Willow Hill, *Jasper*	1944	20	2,000	2,000		0	0	1	1	0
360	Belle Rive, *Jefferson*	1943	100	118,000	48,000		0	0	5	0	0
361	Boyd, *Jefferson*	1944	180	157,000	157,000		0	0	15	15	0
362			〃	〃	〃		0	0	9	9	0
363			〃	〃	〃		0	0	1	1	0
364									5	5	0
365	Coil West, *Jefferson*	1942	300	129,000	94,000		0	0	10	6	0
366			〃	〃	〃		0	0	1	1	0
367			〃	〃	〃		0	0	0	0	0
368			〃	〃	〃		0	0			
369			〃	〃	〃		0	0	2	2	0
370									7	3	0
371	Cravat, *Jefferson*	1939	100	219,000	24,000		0	0	11	0	0
372	Divide, *Jefferson*	1943	320	180,000	155,000		0	0	11	8	0
373	Divide West, *Jefferson*	1944	240	67,000	67,000		0	0	11	11	0
374			〃	〃	〃		0	0			
375			〃	〃	〃		0	0	10	10	0
376									1	1	0
377	Elk Prairie, *Jefferson*	1938[34]	10	700	0		0	0	1	0	0
378	Fitzgerrell, *Jefferson*	1944	10	1,000	1,000		0	0	1	1	0
379	Ina, *Jefferson*	1938	20	16,000	500		0	0	2	0	0
380	King, *Jefferson*	1942	660	481,000	192,000		0	0	29	6	0
381			〃	〃	〃		0	0	21	5	0
382			〃	〃	〃		0	0			
383			〃	〃	〃		0	0	2	1	0
384			〃	〃	〃		0	0			
385									6	0	0
386	Marcoe, *Jefferson*	1938[35]	20	12,500	0		0	0	2	0	0
387	Markham City, *Jefferson*	1942	600	738,000	162,000		0	0	19	2	2
388			〃	〃	〃		0	0	0	0	0
389			〃	〃	〃		0	0	19	2	2
390	Mt. Vernon, *Jefferson*	1943	160	69,000	49,000		0	0	7	2	0
391			〃	〃	〃		0	0	3	0	0
392			〃	〃	〃		0	0			
393			〃	〃	〃		0	0	3	2	0
394									1	0	0
395	Nason, *Jefferson*	1943	20	4,000	4,000		0	0	1	0	0
396	Roaches, *Jefferson*	1938	160	453,000	25,000		0	0	11	0	1
397			〃	〃	〃		0	0	0	0	0
398			〃	〃	〃		0	0			
399									11	0	1
400	Roaches North, *Jefferson*	1944	300	149,000	149,000		0	0	29	29	0
401			〃	〃	〃		0	0	27	2	0
402			〃	〃	〃		0	0	2	2	0
403									0	0	0
404	Waltonville, *Jefferson*	1943	60	14,000	9,000		0	0	4	3	0
405	Woodlawn, *Jefferson*	1940	1,320	7,897,000	837,000		0	0	162	0	3
406			〃	〃			0	0	1	0	0
407			〃	〃	〃		0	0	161	0	3
408									0	0	0
409	Dix, *Jefferson, Marion*	1938	1,510	4,050,000	509,000		0	0	84	0	0
410			〃	〃	〃		0	0	83	0	0
411			〃	〃	〃		0	0	1	0	0
412	Kell, *Jefferson*	1942[36]	10	3,000	0		0	0	1	0	0
413	Markham City North, *Jefferson, Wayne*	1943	480	470,000	394,000		0	0	15	8	1
414			〃	〃	〃		0	0	2	2	0
415			〃	〃	〃		0	0	13	6	1
416	Beman, *Lawrence*	1942	20	3,000	1,000		0	0	1	0	0
417	Ruark, *Lawrence*	1941	20	3,000	1,000		0	0	2	1	0

[34] Abandoned 1940.
[35] Abandoned 1941.
[36] Abandoned 1944.

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944: Oil[43] Flowing	Oil[43] Artificial Lift	Gas	Reservoir Pressure, Lb. per Sq. In.[5]: Initial	Avg./End 1944	Secondary Recovery[h]	Character of Oil[i]: Gravity A.P.I. at 60°F6	Sulphur, Per Cent	Producing Formation: Name and Age[j]	Character[k]	Porosity, Per Cent[l]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft.,[n] Net	Structure[o]	Deepest Zone Tested[p] to End of 1944: Name	Depth of Hole, Ft.
357	0	1	0	x	x		x	x	McClosky; MisL	L	P	2,930	5	MC	MisL	3,022
358	0	16	0	x	x		40.2	0.14	McClosky; MisL	L	P	2,830	8	A	MisL	2,935
359	0	1	0	x	x		x	x	McClosky; MisL	L	P	2,665	5	MC	MisL	2,742
360	0	5	0	x	x		39.4	0.15	McClosky; MisL	L	P	3,085	7	AC	MisL	3,240
361	0	15	0												MisL	2,333
362	0	8	0	550±	x		x	x	Bethel; MisU	S	P	2,050	15	A		
363	0	1	0	615±	x		x	x	Aux Vases; MisU	S	P	2,130	20	A		
364	0	6	0						[26]							
365	0	9	0												MisL	3,022
366	0	2	0	x	x		x	x	Aux Vases; MisU	S	P	2,729	14	AL		
367	0	1	0	x	x		x	x	Levias; MisL	L	P	2,830	6	AC		
368				x	x		x	x	Rosiclare; MisL[25]	SL	P	2,870	6	AC		
369	0	2	0	x	x		x	x	McClosky; MisL	L	P	2,885	11	AC		
370	0	4	0						[26]							
371	0	10	0	x	x		35.4	0.23	Bethel; MisU	S	P	2,070	10	A	MisL	2,335
372	0	11	0	x	x		x	x	McClosky; MisL	L	P	2,725	10	AC	MisL	2,921
373	0	11	0												MisL	2,865
374				x	x		x	x	Levias; MisL[25]	L	P	2,690	7	AC		
375	0	10	0	x	x		x	x	McClosky; MisL	L	P	2,740	14	AC		
376	0	1	0						[26]							
377	0	0	0	x	x		x	x	McClosky; MisL	L	P	2,730	7	x	MisL	3,000
378	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,760	14	x	MisL	3,012
379	0	1	0	x	x		36.4	0.20	St. Louis, MisL	L	P	3,000	5	AC	MisL	3,065
380	0	25	0												Dev	4,760
381	0	22	0	x	x		38.6	0.17	Aux Vases; MisU	S	P	2,730	20	AL		
382				x	x		x	x	Levias; MisL[25]	L	P	2,770	10	AC		
383	0	1	0	x	x		39.6	0.16	Rosiclare; MisL	SL	P	2,815	10	AC		
384				x	x		x	x	McClosky; MisL[25]	L	P	2,840	7	AC		
385	0	2	0						[26]							
386	0	0	0	x	x		23.2	0.54	McClosky; MisL	L	S	2,745	11	x	MisL	3,066
387	0	16	0												MisL	3,215
388	0	1	0	x	x		x	x	Levias; MisL	L	P	3,060	5	A		
389	0	15	0	x	x		38.2	0.08	McClosky; MisL	L	P	3,090	11	A		
390	0	6	0												MisL	3,008
391	0	2	0	x	x		x	x	Aux Vases; MisU	S	P	2,680	10	AL		
392				x	x		x	x	Levias; MisL[25]	L	P	2,755	5	AC		
393	0	3	0	x	x		x	x	McClosky; MisL	L	P	2,800	6	AC		
394	0	1	0						[26]							
395	0	1	0	x	x		x	x	Rosiclare; MisL	S	P	2,790	7	MC	MisL	2,805
396	0	8	0												Dev	3,840
397	0	5	0	x	x		37.0	0.22	Rosiclare; MisL	S	P	2,190	12	AC		
398				x	x		x	x	McClosky; MisL[25]	L	P	2,210	7	AC		
399	0	3	0						[26]							
400	0	29	0												MisL	2,255
401	0	27	0	x	x		x	x	Bethel; MisU	S	P	1,925	12	A		
402	0	1	0	x	x		x	x	Rosiclare; MisL	S	P	2,120	12	AC		
403	0	1	0						[26]							
404	0	3	0	x	x		37.8	0.14	Bethel, MisU	S	P	2,465	12	A	MisL	2,769
405	0	141	0												MisL	2,365
406	0	3	0	x	x		x	x	Cypress; MisU	S	P	1,800	10	AL		
407	0	136	0	x	x		37.8	0.16	Bethel; MisU	S	P	1,960	25	A		
408	0	1	0						[26]							
409	0	83	0			P										
410	0	82	0	x	27.5		39.0	0.23	Bethel; MisU	S	P	1,950	13	A	Dev	3,874
411	0	1	0	x	x		x	x	Rosiclare; MisL	S	P	2,100	8	A		
412	0	0	0	x	x		36.2	0.26	McClosky; MisL	L	P	2,625	6	A	MisL	2,720
413	0	14	0												MisL	3,166
414	0	2	0	x	x		x	x	Aux Vases; MisU	S	P	2,950	10	AL		
415	0	12	0	x	x		x	x	McClosky; MisL	L	P	3,100	10	AC		
416	0	1	0	x	x		x	x	McClosky; MisL	L	P	1,841	2	MC	MisL	1,845
417	0	2	0	x	x		32.0	x	Buchanan; Pen	S	P	1,510	14	ML	MisL	2,320

TABLE 1.—(*Continued*)

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
			Area Proved, Acres[b]	Total Production, Bbl.[c]		Area Proved, Acres[d]	Millions Cu. Ft.[e]		1944		
				To End of 1944	During 1944		To End of 1944	During 1944	Completed to End of 1944	Completed	Abandoned
418	Russellville gas, *Lawrence*	1937	1,800	0	0		6,126	600	62	3	1
419							x	x	18	2	1
420							x	x	44	1	0
421	St. Francisville East, *Lawrence*	1941	90	104,000	24,000		0	0	9	0	0
422	Sumner, *Lawrence*	1944	20	2,000	2,000		0	0	1	1	0
423	Carlinville North, *Macoupin*	1941	40	600	100		0	0	4	1	0
424	Plainview, *Macoupin*	1942	10	800	0		0	0	1	0	0
425	Marine, *Madison*	1943	960	497,000	479,000		0	0	28	24	0
426	St. Jacob, *Madison*	1942	1,320	1,098,000	413,000		0	0	47	14	0
427	Alma, *Marion*	1941	60	47,000	8,000		0	0	5	1	1
428				x	x		0	0	3	1	1
429				x	x		0	0	2	0	0
430	Exchange, *Marion*	1943	80	19,000	12,000		0	0	2	0	0
431	Patoka, *Marion*	1937	960	3,768,000	630,000		0	0	149	16	0
432			x	x	x		0	0	144	15	0
433			x	x	x		0	0	4	1	0
434			x	x	x		0	0	1	0	0
435	Patoka East, *Marion*	1941	430	2,174,000	361,000		0	0	59	0	0
436			x	x	x		0	0	54	0	0
437			x	x	x		0	0	5	0	0
438	Salem, *Marion*	1938	9,600	185,438,000	8,197,000		0	0	2,454	10	12
439			x	x	x		0	0	485	4	x
440			x	x	x		0	0	152	0	x
441			x	x	x		0	0	9	4	x
442			x	x	x		0	0	551	0	x
443			x	x	x		0	0	8	0	x
444			x	33,812,000	740,000		0	0	541	0	x
445			x	2,424,000	375,000		0	0	2	2	x
446									706	0	x
447	Tonti, *Marion*	1939	480	6,876,000	597,000		0	0	59	1	0
448			x	x	x		0	0	5	0	0
449			x	x	x		0	0	15	0	0
450			x	x	x		0	0	31	0	0
451			x	1,500,000	40,000		0	0	6	0	0
452									2	1	0
453	Fairman, *Marion, Clinton*	1939	490	1,020,000	115,000		0	0	25	0	2
454	Mt. Olive, *Montgomery*	1942	30	1,000	0		0	0	3	1	0
455	Raymond, *Montgomery*	1940	80	4,000	1,000		0	0	6	2	0
456	Waggoner, *Montgomery*	1940	40	6,000	1,000		0	0	4	0	0
457	Tamaroa, *Perry*	1942	50	6,000	3,000		0	0	3	0	0
458	Amity, *Richland*	1942	20	5,000	2,000		0	0	1	0	0
459	Bonpas, *Richland*	1941	40	76,000	13,000		0	0	2	0	0
460	Calhoun, *Richland*	1944	120	71,000	71,000		0	0	6	6	0
461			x	x	x		0	0	4	4	0
462			x	x	x		0	0	2	2	0
463	Calhoun North, *Richland*	1944	20	2,000	2,000		0	0	1	1	0
464			x	x	x		0	0			
465			x	x	x		0	0			
466									1	1	0
467	Olney, *Richland*	1937	720	1,498,000	129,000		0	0	45	3	0
468			x	x	x		0	0	1	0	0
469			x	x	x		0	0	44	3	0
470	Olney East, *Richland*	1944	20	8,000	8,000		0	0	1	1	0
471	Schnell, *Richland*	1938	160	193,000	1,000		0	0	4	0	0
472	Stringtown, *Richland*	1941	140	184,000	25,000		0	0	8	0	0
473	Noble, *Richland, Clay*	1937	6,700	20,781,000	3,593,000		x	x	376	62	3
474			x	x	x		0	0	136	7	0
475			x	x	x		0	0	0	0	0
476			x	x	x		0	0	240	55	3
477									0	0	0
478	Parkersburg Consolidated, *Richland, Edwards*	1941	970	3,330,000	447,000		0	0	48	0	0
479			x	x	x		0	0	1	0	0
480			x	x	x		0	0	1	0	0
481			x	x	x		0	0	1	0	0

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944			Reservoir Pressure, Lb. per Sq. In.[5]		Secondary Recovery[h]	Character of Oil[i]		Producing Formation						Deepest Zone Tested[p] to End of 1944	
	Oil[43]															
	Flowing	Artificial Lift	Gas	Initial	Avg./End 1944		Gravity A.P.I. at 60°F.	Sulphur, Per Cent	Name and Age[j]	Character[k]	Porosity, Per Cent[l]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft.,[n] Net	Structure[o]	Name	Depth of Hole, Ft.
418	0	0	60												Dev	3,133
419	0	0	17	x	x				Bridgeport; Pen	S	P	760	15	A		
420	0	0	43	x	x				Buchanan; Pen	S	P	1,100	12	A		
421	0	8	0	x	x		39.8	0.21	Bethel; MisU	S	P	1,760	22	A	MisL	1,960
422	0	1	0	x	x		x	x	McClosky; MisL	L	P	2,261	4	MC	MisL	2,365
423	0	3	0	x	x		20.3	0.35	Pottsville; Pen	S	P	450	10	x	Pen	562
424	0	0	0	x	x		x	x	Pennsylvanian; Pen	S	P	400	20	x	Pen	421
425	0	28	0	600	x		x	x	Silurian; Sil	L	P	1,740	5	R[41]	Ord	2,590
426	0	44	0	x	x		40.0	0.23	"Trenton"; Ord	L	P	2,260	17	A	Ord	2,549
427	0	2	0												Dev	3,692
428	0	1	0	x	x		x	x	Bethel; MisU	S	P	1,931	8	A		
429	0	1	0	x	x		x	x	Rosiclare; MisL	S	P	2,084	10	A		
430	0	2	0	x	x		x	x	McClosky; MisL	L	P	2,735	8	MC	MisL	2,869
431	0	83	0			W									Dev	3,142
432	0	79	0	x	10		39.5	0.16	Bethel; MisU	S	P	1,410	25	D		
433	0	3	0	x	650		40.9	0.31	Rosiclare; MisL	S	P	1,560	15	D		
434	0	1	0	x	1,200		40.0	0.28	Devonian; Dev	L	P	2,835	8	D		
435	0	54	0												MisL	1,740
436	0	47	0	x	x		36.1	0.23	Cypress; MisU	S	P	1,340	19	A		
437	0	7	0	x	x		36.1	0.23	Bethel; MisU	S	P	1,465	10	A		
438	0	2,200	0			G									Prairie du Chien	5,655
439	0	381	0	x	x		38.5	0.20	Bethel; MisU	S	P	1,780	40	A		
440	0	82	0	x	x		38.6	0.21	Aux Vases; MisU	S	P	1,825	40	A		
441	0	11	0	x	x		39.0	x	Rosiclare; MisL	S	P	1,950	5	AL		
442	0	348	0	x	x		39.0	x	McClosky; MisL	OL	P	1,990	17	A		
443	0	8	0	x	x		39.0	x	Salem; MisL	L	P	2,160	17	A		
444	0	354	0	x	x		42.1	0.28	Devonian; Dev	L	Cav	3,430	50	A		
445	0	65	0	x	x		42.0	x	"Trenton"; Ord	L	Cav	4,500	50			
446	0	951	0						[26]							
447	0	58	0												Dev	3,742
448	0	5	0	x	x		39.0	x	Bethel; MisU	S	P	1,930	20	D		
449	0	15	0	x	x		39.0	x	Aux Vases; MisU	S	P	2,005	30	D		
450	0	30	0	x	x		39.4	0.21	McClosky; MisL	OL	P	2,130	15	D		
451	0	6	0	x	x		41.0	x	Devonian; Dev	L	Cav	3,500	7	D		
452	0	2	0						[26]							
453	0	17	0	x	x		38.2	0.21	Bethel; MisU	S	P	1,440	8	A	"Trenton"	4,100
454	0	0	0	x	x		33.2	0.16	Pottsville; Pen	S	P	600	4	A	Pen	743
455	0	5	0	x	x		34.8	0.22	Pottsville; Pen	S	P	580	15	ML	MisL	1,001
456	0	1	0	x	x		28.0	0.21	Pottsville; Pen	S	P	610	14	x	Dev	1,893
457	0	2	0	x	x		x	x	Cypress; MisU	S	P	1,125	10	AL	MisL	1,630
458	0	1	0	x	x		x	x	McClosky; MisL	OL	P	2,960	10	MC	MisL	3,090
459	0	2	0	x	x		37.8	0.23	McClosky; MisL	OL	P	3,120	4	MC	MisL	3,212
460	0	6	0												MisL	3,280
461	0	6	0	x	x		x	x	Levias; MisL	OL	P	3,140	9	A		
462	0	0	0	x	x		x	x	McClosky; MisL	OL	P	3,180	5	A		
463	0	1	0											x	MisL	3,280
464				x	x		x	x	Rosiclare; MisL[25]	S	P	3,165	10			
465				x	x		x	x	McClosky; MisL[25]	OL	P	3,184	11			
466	0	1	0						[26]							
467	0	32	0												MisL	3,289
468	0	2	0	x	x		x	x	Levias; MisL	OL	P	3,060	8	A		
469	0	30	0	x	x		37.2	0.19	McClosky; MisL	OL	P	3,050	10	A		
470	0	1	0	x	x		x	x	McClosky; MisL	OL	P	3,080	9	x	MisL	3,094
471	0	4	0	x	x		37.0	0.19	McClosky; MisL	OL	P	3,000	6	AC	MisL	3,150
472	0	7	0	x	x		39.8	0.24	McClosky; MisL	OL	P	3,040	8	AC	MisL	3,080
473	0	331	2			W									MisL	3,200
474	0	130	0	x	x		38.0	0.27	Cypress; MisU	S	P	2,550	25	A		
475	0	1	0	x	x		x	x	Levias; MisL	OL	P	2,957	2	AC		
476	0	195	2	x	x		39.0	0.17	McClosky; MisL	OL	P	2,960	6	AM		
477	0	5	0						[26]							
478	0	44	0												MisL	3,276
479	0	2	0	x	x		x	x	Cypress; MisU	S	P	2,830	12	A		
480	0	0	0	x	x		x	x	Bethel; MisU	S	P	2,930	10	A		
481	0	0	0	x	x		x	x	Levias; MisL	OL	P	3,070	10	AC		

[41] Reef structure.

TABLE 1.—(*Continued*)

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
			Area Proved, Acres[b]	Total Production, Bbl.[c]		Area Proved, Acres[d]	Millions Cu. Ft.[e]		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
482			x	x	x		0	0	45	0	0
483									0	0	0
484	Parkersburg West, *Richland, Edwards*..	1943	90	36,000	24,000		0	0	3	1	0
485	Dundas Consolidated, *Richland, Jasper*.	1939	6,580	11,061,000	655,000		0	0	281	0	12
486			x	x	x		0	0	5	0	0
487			x	x	x		0	0	2	0	0
488			x	x	x		0	0	0	0	0
489			x	x	x		0	0	269	0	9
490									5	0	3
491	Dundas East, *Richland, Jasper*.....	1942	360	571,000	141,000		0	0	16	2	0
492			x	x	x		0	0	0	0	0
493			x	x	x		0	0	17	2	0
494	Eldorado, *Saline*.....	1941	40	7,000	2,000		0	0	2	0	0
495	Lakewood, *Shelby*.....	1941	20	30,000	7,000		0	0	2	0	0
496			x	x	x		0	0	1	0	0
497			x	x	x		0	0	1	0	0
498	Stewardson, *Shelby*.....	1939	70	50,000	10,000		0	0	5	0	0
499	Friendsville, *Wabash*.....	1942	340	346,000	202,000		0	0	36	7	2
500			x	x	x		0	0	11	2	0
501			x	x	x		0	0	1	1	0
502			x	x	x		0	0	9	0	0
503			x	x	x		0	0	0	0	0
504			x	x	x		0	0	2	0	1
505			x	x	x		0	0	5	0	0
506			x	x	x		0	0	0	0	0
507			x	x	x		0	0	1	0	1
508									7	5	0
509	Keensburg Consolidated, *Wabash*....	1939	3,000	9,776,000	868,000		0	0	341	5	3
510			x	x	x		0	0	19	0	0
511			x	x	x		0	0	2	0	0
512			x	x	x		0	0	4	0	0
513			x	x	x		0	0	9	0	0
514			x	x	x		0	0	251	1	1
515			x	x	x		0	0	2	1	0
516			x	x	x		0	0	9	1	0
517			x	x	x		0	0	5	1	0
518			x	x	x		0	0	24	0	2
519									16	1	0
520	Keensburg East, *Wabash*.....	1939[37]	20	x	x		0	0	3	0	0
521	Keensburg South, *Wabash*.....	1944	30	15,000	15,000		0	0	2	2	0
522			10	4,000	4,000		0	0	1	1	0
523			20	11,000	11,000		0	0	1	1	0
524	Lancaster East, *Wabash*.....	1944	10	x	x		0	0	1	1	0
525	Maud, *Wabash*.....	1940	250	366,000	30,000		0	0	20	0	2
526			x	x	x		0	0	2	0	0
527			x	x	x		0	0	1	0	0
528			x	x	x		0	0	1	0	0
529			x	x	x		0	0	1	0	2
530			x	x	x		0	0	15	0	0
531									1	0	0
532	Mt. Carmel, *Wabash*.....	1940	3,600	4,940,000	1,330,000		x	x	333	47	8
533			x	x	x		0	0	46	6	2
534			x	x	x		0	0			
535			x	x	x		0	0	1	0	0
536			x	x	x		0	0	4	3	0
537			x	x	x		x	x	207	25	5
538			x	x	x		0	0	2	0	0
539			x	x	x		0	0	1	1	0
540			x	x	x		0	0	2	0	0
541			x	x	x		0	0	37	5	1
542									33	7	0
543	Mt. Carmel West, *Wabash*.....	1939	60	13,000	4,000		0	0	4	0	0
544			x	x	x		0	0	2	0	0
545			x	x	x		0	0	2	0	0

[37] Abandoned 1943.

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944			Reservoir Pressure, Lb. per Sq. In.[5]		Secondary Recovery[h]	Character of Oil[i]		Producing Formation					Deepest Zone Tested[p] to End of 1944	
	Oil[48]		Gas	Initial	Avg./End 1944		Gravity A.P.I. at 60°F.[6]	Sulphur, Per Cent	Name and Age[j]	Character[k]	Porosity, Per Cent[l]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft., Net	Structure[o]	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift														
482	0	36	0	x	x		38.0	0.31	McClosky; MisL[26]	OL	P	3,135	9	A		
483	0	6	0													
484	0	3	0	x	x		x	x	McClosky; MisL	OL	P	3,250	5	AC	MisL	3,331
485	0	267	0			W									Dev	4,585
486	0	5	0	x	x		37.0	x	Cypress; MisU	S	P	2,520	12	AL		
487	0	2	0	x	x		38.0	x	Aux Vases; MisU	S	P	2,795	9	A		
488	0	1	0	x	x		x	x	Rosiclare; MisU	SL	P	2,845	6	AL		
489	0	243	0	x	x		38.4	0.17	McClosky; MisL[26]	OL	P	2,974	7	A		
490	0	16	0													
491	0	15	0												MisL	3,105
492	0	1	0	x	x		x	x	Levias; MisL	OL	P	x	x	A		
493	0	14	0	x	x		x	x	McClosky; MisL	OL	P	3,000	8	A		
494	0	1	0	x	x		34.2	0.14	Aux Vases; MisU	S	P	3,813	23	A	MisL	3,000
495	0	2	0												MisL	1,875
496	0	1	0	x	x		29.6	x	Bethel; MisU	S	P	1,692	9	x		
497	0	1	0	x	x		31.7	0.23	Aux Vases; MisU	S	P	1,723	9	x		
498	0	5	0	x	x		37.8	0.18	Aux Vases; MisU	S	P	1,940	8	A	MisL	2,138
499	0	32	0												MisL	2,798
500	0	10	0	x	x		31.0	0.22	Biehl; Pen	S	P	1,760	15	A		
501	0	1	0	x	x		27.3	0.25	Palestine; MisU	S	P	1,785	13	A		
502	0	7	0	x	x		35.2	0.17	Cypress; MisU	S	P	2,300	12	A		
503	0	1	0	x	x		x	x	Paint Creek; MisU	S	P	2,465	15	A		
504	0	1	0	x	x		36.7	0.18	Bethel; MisU	S	P	2,470	10	A		
505	0	4	0	x	x		x	x	Levias; MisL	OL	P	2,633	6	AC		
506	0	1	0	x	x		x	x	Rosiclare; MisL	SL	P	x	5	AC		
507	0	0	0	x	x		x	x	McClosky; MisL[26]	OL	P	2,645	5	AC		
508	0	0	0													
509	0	267	0												MisL	3,065
510	0	17	0	x	x		38.0	x	Biehl; Pen	S	P	1,720	10	AL		
511	0	2	0	x	x		x	x	Clore; MisU	S	P	1,830	10	AL		
512	0	4	0	x	x		x	x	Palestine; MisU	S	P	1,900	13	AL		
513	0	9	0	x	x		x	x	Tar Springs; MisU	S	P	2,100	15	AL		
514	0	172	0	x	x		38.6	0.29	Cypress; MisU	S	P	2,250	18	A		
515	0	2	0	x	x		x	x	Paint Creek; MisU	S	P	2,550	12	AL		
516	0	9	0	x	x		36.6	x	Bethel; MisU	S	P	2,575	18	AL		
517	0	5	0	x	x		x	x	Aux Vases; MisU	S	P	2,760	15	AL		
518	0	21	0	x	x		37.9	0.38	McClosky; MisL[26]	OL	P	2,800	7	AC		
519	0	26	0													
520	0	0	0	x	x		37.6	0.26	McClosky; MisL	OL	P	2,710	6	MC	MisL	2,741
521	0	2	0												MisL	2,882
522	0	1	0	300±	x		x	x	Pennsylvanian; Pen	S	P	1,140	15	AL		
523	0	1	0	x	x		x	x	McClosky; MisL	OL	P	2,714	10	AC		
524	0	1	0	x	x		x	x	Biehl; Pen	S	P	1,750	10	ML	MisU	2,630
525	0	15	0												MisL	2,793
526	0	2	0	x	x		37.7	x	Waltersburg; MisU	S	P	1,935	17	AL		
527	0	1	0	x	x		x	x	Hardinsburg; MisU	S	P	2,115	22	AL		
528	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,464	8	AL		
529	0	0	0	x	x		38.0	0.30	Rosiclare; MisL	SL	P	2,640	9	AC		
530	0	9	0	x	60±		38.0	0.30	McClosky; MisL[26]	OL	P	2,650	8	A		
531	0	2	0													
532	1	285	1			G									MisL	2,475
533	0	41	0	x	x		32.0	x	Biehl; Pen	S	P	1,470	25	AL		
534				x	x		x	x	Jordan; Pen[25]	S	P	1,520	15	AL		
535	0	1	0	x	x		x	x	Palestine; MisU	S	P	1,540	10	AL		
536	0	4	0	x	x		x	x	Tar Springs; MisU	S	P	1,790	15	AL		
537	0	166	1	x	x		38.4	x	Cypress; MisU	S	P	2,020	15	ALf		
538	0	2	0	x	x		x	x	Bethel; MisU	S	P	2,110	15	AL		
539	0	1	0	x	x		x	x	Levias; MisL	OL	P	2,320	5	AC		
540	0	2	0	x	x		36.6	0.36	Rosiclare; MisL	S	P	2,350	5	AC		
541	1	34	0	x	x		38.4	0.42	McClosky; MisL[26]	OL	P	2,360	5	AC		
542	0	34	0													
543	0	3	0												MisL	3,500
544	0	2	0	x	x		x	x	Waltersburg; MisU	S	P	1,878	11	ML		
545	0	1	0	x	x		30.0	0.25	Tar Springs; MisU	S	P	1,930	6	ML		

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944			Reservoir Pressure, Lb. per Sq. In.[5]		Secondary Recovery[h]	Character of Oil[i]		Producing Formation						Deepest Zone Tested[p] to End of 1944	
	Oil[43]		Gas	Initial	Avg./End 1944		Gravity, A.P.I. at 60°F.[6]	Sulphur, Per Cent	Name and Age[j]	Character[k]	Porosity, Per Cent[l]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft.,[n] Net	Structure[o]	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift														
546	0	6	0												MisL	2,315
547	0	5	0	"	"		"	"	Biehl; Pen	S	P	1,470	15	AL		
548	0	1	0	"	"		"	"	McClosky; MisL	OL	P	2,310	4	MC		
549	0	28	0												MisL	2,571
550	0	2	0	"	"		"	"	Biehl; MisU	S	P	1,542	22	AL		
551	0	13	0	"	"		"	"	Cypress; MisU	S	P	2,029	12	AL		
552	0	1	0	"	"		"	"	Bethel; MisU	S	P	2,139	20	AL		
553	0	3	0	"	"		"	"	Aux Vases; MisU	S	P	2,283	4	AL		
554				"	"		"	"	Levias; MisL	OL	P	2,308	4	AC		
555	0	2	0	"	"		"	"	Rosiclare; MisL	SL	P	2,308	4	AC		
556	0	6	0	"	"		"	"	McClosky; MisL[26]	OL	P	2,346	6	AC		
557	0	1	0													
558	0	54	0												MisL	2,908
559	0	4	0	"	"		39	"	Paint Creek; MisU	S	P	2,320	22	AL		
560	0	34	0	"	"		"	"	Bethel; MisU	S	P	2,530	12	AL		
561	0	1	0	"	"		"	"	Levias; MisL	OL	P	2,672	11	AC		
562	0	14	0	"	"		39.8	0.28	McClosky; MisL[26]	OL	P	2,690	5	A		
563	0	1	0													
564	0	139	0	"	"		37.4	0.19	Bethel; MisU	S	P	1,260	14	A	MisL	1,560
565	0	8	0	"	"		38.0	0.26	Bethel; MisU	S	P	1,355	8	A	Dev	3,535
566	0	1	0	"	"		"	"	Bethel; MisU	S	P	1,345	6	"	MisL	1,685
567	0	82	0												Dev	3,362
568	0	1	0	"	"		"	"	Cypress; MisU	S	P	1,380	15	A		
569	0	71	0	"	"		37.6	0.16	Bethel; MisU	S	P	1,535	10	A		
570				"	"		"	"	Aux Vases; MisU[25]	S	P	1,605	"	A		
571	0	7	0	"	"		39.0	0.27	Devonian; Dev[26]	L	Cav	3,090	5	A		
572	0	3	0													
573	0	4	0												Dev	2,565
574	0	4	0	"	"		44.1	0.18	Bethel; MisU	S	P	1,000	7	A		
575	0	0	0	"	"		41.7	"	Devonian; Dev	L	Cav	2,250	10	A		
576	0	36	0												MisL	3,855
577	0	8	0	"	"		"	"	Aux Vases; MisU	S	P	3,225	15	AL		
578	0	1	0	"	"		"	"	Rosiclare; MisL	OL	P	3,350	9	AC		
579	0	27	0	"	"		37.6	0.17	McClosky; MisL	OL	P	3,400	12	A		
580	0	0	0	"	"		"	"	Salem; MisL[26]	L	P	3,795	8	AC		
581	0	0	0													
582	0	165	0												MisL	3,495
583	0	5	0	"	"		39.6	"	Aux Vases; MisU	S	P	3,095	7	AL		
584	0	10	0	"	"		"	"	Levias; MisL	OL	P	3,180	4	AC		
585	0	1	0	"	"		40.2	0.14	Rosiclare; MisL	OL	P	3,215	6	AC		
586	0	140	0	"	"		40.2	0.14	McClosky; MisL[26]	OL	P	3,240	7	AC		
587	0	9	0													
588	0	42	0												St. Peter	7,205
589	0	2	0	"	"		38.5	"	Aux Vases; MisU	S	P	3,002	8	AL		
590	0	2	0	"	"		"	"	Rosiclare; MisL	SL	P	3,086	9	AC		
591	0	23	0	"	"		35.8	0.24	McClosky; MisL[26]	OL	P	3,117	11	A		
592	0	15	0													
593	0	2	0	"	"		39.0	"	McClosky; MisL	OL	P	3,170	10	ML	MisL	3,245
594	0	16	0												MisL	3,185
595	0	14	0	"	"		37.1	0.20	Aux Vases; MisU	S	P	2,900	22	A		
596		2	0	"	"		37.5	"	McClosky; MisL	OL	P	2,970	3	AC		
597	0	7	0	"	"		39.4	0.18	McClosky; MisL	OL	P	3,310	8	AC	MisL	3,389
598	0	1	0	"	"		"	"	Aux Vases; MisU	S	P	3,235	14	AL	MisL	3,410
599	0	27	0												MisL	3,390
600	0	19	0	"	"		40.4	0.13	Aux Vases; MisU	S	P	3,065	14	AL		
601	0	1	0	"	"		"	"	Rosiclare; MisL	OL	P	3,089	4	AC		
602	0	7	0	"	"		34.0	0.33	McClosky; MisL	OL	P	3,135	3	AC		
603	0	3	0	"	"		"	"	Aux Vases; MisU	S	P	3,130	20	AL	MisL	3,320
604	0	30	0												Dev	5,645
605	0	1	0	"	"		"	"	Aux Vases; MisU	S	P	3,180	15	AL		
606	0	0	0	"	"		"	"	Levias; MisL	OL	P	3,252	6	AC		
607	0	0	0	"	"		"	"	Rosiclare; MisL	SL	P	3,275	5	AC		
608	0	16	0	"	"		34.4	0.18	McClosky; MisL[26]	OL	P	3,308	9	AC		
609	0	13	0													

TABLE 1.—(*Continued*)

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
			Area Proved, Acres[b]	Total Production, Bbl.[c]		Area Proved, Acres[d]	Millions Cu. Ft.[e]		1944		
				To End of 1944	During 1944		To End of 1944	During 1944	Completed to End of 1944	Completed	Abandoned
610	Johnsonville, *Wayne*	1941	4,200	14,293,000	1,425,000		0	0	249	2	1
611			〃	〃	〃		0	0	35	2	0
612			〃	〃	〃		0	0	0	0	0
613			〃	〃	〃		0	0	207	0	1
614									7	0	0
615	Johnsonville North, *Wayne*	1943	40	18,000	13,000		0	0	1	0	0
616			〃	〃	〃		0	0			
617			〃	〃	〃		0	0			
618									1	0	0
619	Johnsonville South, *Wayne*	1942	20	13,000	2,000		0	0	2	0	0
620			〃	〃	〃		0	0	1	0	0
621			〃	〃	〃		0	0	1	0	0
622	Johnsonville West, *Wayne*	1942[38]	40	3,000	2,000		0	0	2	0	0
623			〃	〃	〃		0	0	1	0	0
624			〃	〃	〃		0	0	1	0	0
625	Leech Township, *Wayne*	1938	240	439,000	38,000		0	0	14	0	0
626	Mayberry, *Wayne*	1941	330	195,000	34,000		0	0	6	0	0
627	Mt. Erie North, *Wayne*	1944	60	16,000	16,000		0	0	4	4	0
628			〃	〃	〃		0	0	1	1	0
629			〃	〃	〃		0	0	3	3	0
630	Mt. Erie South, *Wayne*	1939[39]	360	119,000	69,000		0	0	10	1	0
631			〃	〃	〃		0	0	4	0	0
632			〃	〃	〃		0	0	2	0	0
633			〃	〃	〃		0	0	2	1	0
634			〃	〃	〃		0	0	2	0	0
635									0	0	0
636	Rinard, *Wayne*	1937[40]	20	15,000	0		0	0	2	0	0
637			〃	〃	〃		0	0	1	0	0
638			〃	〃	〃		0	0	1	0	0
639	Sims, *Wayne*	1941	1,740	3,103,000	490,000		0	0	61	1	0
640			〃	〃	〃		0	0	13	1	0
641			〃	〃	〃		0	0	30	0	0
642									18	0	0
643	Sims North, *Wayne*	1942	1,040	1,068,000	469,000		0	0	37	8	1
644			〃	〃	〃		0	0	24	3	0
645			〃	〃	〃		0	0	0	0	0
646			〃	〃	〃		0	0	3	0	0
647			〃	〃	〃		0	0	9	5	1
648									2	0	0
649	Aden Consolidated, *Wayne, Hamilton*	1938	2,200	4,421,000	537,000		0	0	89	2	0
650			〃	〃	〃		0	0	4	2	0
651			〃	〃	〃		0	0			
652			〃	〃	〃		0	0			
653			〃	〃	〃		0	0	75	0	0
654									10	0	0
655	Burnt Prairie, *White*	1940	600	566,000	187,000		0	0	33	13	0
656			〃	〃	〃		0	0	6	6	0
657			〃	〃	〃		0	0	0	0	0
658			〃	〃	〃		0	0	2	0	0
659			〃	〃	〃		0	0	25	7	0
660									0	0	0
661	Calvin North, *White*	1943	600	478,000	350,000		0	0	42	18	0
662			〃	〃	〃		0	0	1	1	0
663			〃	〃	〃		0	0	23	10	0
664			〃	〃	〃		0	0	0	0	0
665			〃	〃	〃		0	0	1	0	0
666			〃	〃	〃		0	0	9	5	0
667			〃	〃	〃		0	0	2	1	0
668			〃	〃	〃		0	0	4	0	0
669			〃	〃	〃		0	0	1	1	0
670									1	0	0

[38] Abandoned 1942, revived 1943.
[39] Abandoned 1941, revived 1942.
[40] Abandoned 1941.

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944			Reservoir Pressure, Lb. per Sq. In.[5]		Secondary Recovery[h]	Character of Oil[i]		Producing Formation						Deepest Zone Tested[p] to End of 1944	
	Oil[43]		Gas													
	Flowing	Artificial Lift		Initial	Avg./End 1944		Gravity A.P.I. at 60°F[6]	Sulphur, Per Cent	Name and Age[j]	Character	Porosity, Per Cent[k]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft., Net	Structure[o]	Name	Depth of Hole, Ft.
610	0	245	0	x											Dev	5,198
611	0	38	0	x	x		39.4	0.14	Aux Vases; MisU	S	P	3,000	20	AL		
612	0	2	0	x	x		x	x	Levias; MisL	OL	P	3,132	10	AC		
613	0	169	0	x	x		39.4	0.16	McClosky; MisL[26]	OL	P	3,159	15	A		
614	0	45	0												MisL	3,320
615	0	1	0													
616				x	x		x	x	Levias; MisL[25]	OL	P	3,192	5	AC		
617				x	x		x	x	McClosky; MisL[25,26]	OL	P	3,254	3	AC		
618	0	1	0												MisL	3,266
619	0	2	0													
620	0	1	0	x	x		39.0	x	Aux Vases; MisU	S	P	3,087	20	x		
621	0	1	0	x	x		x	x	McClosky; MisL	OL	P	3,180	3	x		
622	0	1	0												MisL	3,185
623	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,970	13	ML		
624	0	0	0	x	x		x	x	McClosky; MisL	OL	P	3,107	2	MC		
625	0	10	0	x	x		39.0	0.19	McClosky; MisL	OL	P	3,430	6	AC	MisL	3,485
626	0	5	0	x	x		38.0	0.16	McClosky; MisL	OL	P	3,340	13	AC	Dev	5,377
627	0	4	0												MisL	3,354
628	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	3,100	19	ML		
629	0	3	0	x	x		x	x	McClosky; MisL	OL	P	3,236	4	MC		
630	0	7	0												MisL	3,280
631	0	2	0	x	x		37.2	0.14	Aux Vases; MisU	S	P	3,070	15	AL		
632	0	2	0	x	x		x	x	Levias; MisL	OL	P	3,120	8	AC		
633	0	1	0	x	x		x	x	Rosiclare; MisL	OL	P	3,155	10	AC		
634	0	0	0	x	x		31.7	x	McClosky; MisL[26]	OL	P	3,165	10	AC		
635	0	2	0													
636	0	0	0												MisL	3,154
637	0	0	0	x	x		x	x	Aux Vases; MisU	S	P	2,955	15	AL		
638	0	0	0	x	x		38.5	x	McClosky; MisL	OL	P	3,145	5	AC		
639	0	59	0												MisL	3,487
640	0	17	0	x	x		40.4	0.20	Aux Vases; MisU	S	P	3,013	15	AL		
641	0	29	0	x	x		39.1	x	McClosky; MisL[26]	OL	P	3,150	8	AC		
642	0	13	0													
643	0	36	0												MisL	3,276
644	0	18	0	x	x		x	x	Aux Vases; MisU	S	P	3,040	10	AL		
645	0	1	0	x	x		x	x	Levias; MisL	OL	P	3,110	8	AC		
646	0	3	0	x	x		x	x	Rosiclare; MisL	OL	P	3,150	8	AC		
647	0	6	0	x	x		37.5	0.19	McClosky; MisL[26]	OL	P	3,185	5	AC		
648	0	8	0													
649	0	83	0												Dev	5,395
650	0	14	0	x	x		x	x	Aux Vases; MisU	S	P	3,175	15	AL		
651				x	x		x	x	Levias; MisL	OL	P	3,265	6	AC		
652				x	x		x	x	Rosiclare; MisL	OL	P	3,300	8	AC		
653	0	52	0	x	x		40.0	x	McClosky; MisL[26]	OL	P	3,350	8	A		
654	0	17	0													
655	0	31	0												MisL	3,532
656	0	8	0	x	x		x	x	Aux Vases; MisU	S	P	3,260	18	AL		
657	0	2	0	x	x		39.0	x	Levias; MisL	OL	P	x	5	AC		
658	0	0	0	x	x		x	x	Rosiclare; MisL	OL	P	3,339	7	AC		
659	0	19	0	x	x		37.0	0.28	McClosky; MisL[26]	OL	P	3,400	10	AC		
660	0	2	0													
661	0	41	0												MisL	3,280
662	0	6	0	x	x		x	x	Buchanan; Pen	S	P	1,088	26	ALf		
663	0	15	0	x	x		30.0	0.29	Biehl; Pen	S	P	1,520	10	ALf		
664	0	1	0	x	x		x	x	Palestine; MisU	S	P	2,140	18	ALf		
665	0	6	0	x	x		x	x	Waltersburg; MisU	S	P	2,260	10	ALf		
666	0	5	0	x	x		34.0	0.30	Tar Springs; MisU	S	P	2,320	12	ALf		
667	0	2	0	x	x		38.4	0.19	Bethel; MisU	S	P	2,815	11	ALf		
668	0	4	0	x	x		x	x	Aux Vases; MisU	S	P	2,880	18	AL		
669	0	1	0	x	x		x	x	McClosky; MisU[26]	OL	P	2,996	16	AC		
670	0	1	0													

TABLE 1.—(*Continued*)

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
			Area Proved, Acres[b]	Total Production, Bbl.[c]		Area Proved, Acres[d]	Millions Cu. Ft.[e]			1944	
				To End of 1944	During 1944		To End of 1944	During 1944	Completed to End of 1944	Completed	Abandoned
671	Carmi, *White*	1940	30	6,000	500		0	0	2	0	0
672			〃	〃	〃		0	0	1	0	0
673			〃	〃	〃		0	0	1	0	0
674	Carmi North, *White*	1942	50	66,000	21,000		0	0	3	0	0
675			〃	〃	〃		0	0			
676			〃	〃	〃		0	0	3	0	0
677									0	0	0
678	Centerville, *White*	1940	60	218,000	31,000		0	0	5	0	0
679	Centerville East, *White*	1941	700	1,270,000	296,000		0	0	44	4	2
680			〃	〃	〃		0	0	24	1	0
681			〃	〃	〃		0	0	3	2	0
682			〃	〃	〃		0	0	1	0	0
683			〃	〃	〃		0	0	5	1	0
684			〃	〃	〃		0	0			
685			〃	〃	〃		0	0	10	0	2
686									1	0	0
687	Concord, *White*	1942	700	602,000	574,000		0	0	46	39	0
688			〃	〃	〃		0	0	15	12	0
689			〃	〃	〃		0	0	9	9	0
690			〃	〃	〃		0	0	8	5	0
691			〃	〃	〃		0	0	1	0	0
692			〃	〃	〃		0	0	10	10	0
693									3	3	0
694	Concord South, *White*	1944	20	〃	〃		0	0	2	2	0
695	Epworth, *White*	1941	110	198,000	43,000		0	0	11	0	0
696			〃	〃	〃		0	0	2	0	0
697			〃	〃	〃		0	0	7	0	0
698			〃	〃	〃		0	0	1	0	0
699			〃	〃	〃		0	0	1	0	0
700	Gossett, *White*	1943	40	500	200		0	0	1	0	0
701	Grayville West, *White*	1941	20	40,000	8,000		0	0	3	0	0
702			〃	〃	〃		0	0	1	0	0
703			〃	〃	〃		0	0	2	0	0
704	Herald, *White*	1940	400	208,000	116,000		0	0	24	10	0
705			〃	〃	〃		0	0	4	0	0
706			〃	〃	〃		0	0	2	2	0
707			〃	〃	〃		0	0	4	0	0
708			〃	〃	〃		0	0	5	2	0
709			〃	〃	〃		0	0	2	0	0
710			〃	〃	〃		0	0	7	6	0
711									0	0	0
712	Iron, *White*	1940	1,060	2,941,000	240,000		0	0	69	5	2
713			〃	〃	〃		0	0	0	0	0
714			〃	〃	〃		0	0	5	0	0
715			〃	〃	〃		0	0	38	5	0
716			〃	〃	〃		0	0	2	0	0
717			〃	〃	〃		0	0	1	0	0
718			〃	〃	〃		0	0	20	0	2
719									3	0	0
720	Maunie, *White*	1941	60	29,000	9,000		0	0	3	0	0
721			〃	〃	〃		0	0	2	0	0
722			〃	〃	〃		0	0	1	0	0
723	Maunie North, *White*	1941	240	122,000	64,000		0	0	13	5	0
724			〃	〃	〃		0	0			
725			〃	〃	〃		0	0	0	0	0
726			〃	〃	〃		0	0	5	3	0
727			〃	〃	〃		0	0	1	1	0
728			〃	〃	〃		0	0	0	0	0
729			〃	〃	〃		0	0	5	0	0
730									2	1	0
731	Maunie South, *White*	1941	1,000	1,625,000	260,000		0	0	78	4	0
732			〃	〃	〃		0	0	5	0	0
733			〃	〃	〃		0	0	3	3	0
734			〃	〃	〃		0	0	34	0	0
735			〃	〃	〃		0	0	1	0	0
736			〃	〃	〃		0	0	20	1	0

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944			Reservoir Pressure, Lb. per Sq. In.[5]		Secondary Recovery[h]	Character of Oil[i]		Producing Formation						Deepest Zone Tested[p] to End of 1944	
	Oil[43]															
	Flowing	Artificial Lift	Gas	Initial	Avg./End 1944		Gravity A.P.I. at 60° F.[6]	Sulphur, Per Cent	Name and Age[j]	Character	Porosity, Per Cent[k]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft.,[n] Net	Structure[o]	Name	Depth of Hole, Ft.
671	0	1	0												MisL	3,282
672	0	0	0	x	x		x	x	Levias; MisL	OL	P	3,130	8	MCf		
673	0	1	0	x	x		x	x	McClosky; MisL	OL	P	3,150	4	MCf		
674	0	3	0												MisL	3,418
675				x	x		x	x	Cypress; MisU[25]	S	P	2,935	10	AF		
676	0	2	0	x	x		37.0	0.14	Aux Vases; MisU[26]	S	P	3,230	15	AF		
677	0	1	0													
678	0	5	0	x	x		36.8	0.17	McClosky; MisL	OL	P	3,360	5	AC	MisL	3,600
679	0	41	0												MisL	3,365
680	0	22	0	x	x		37.2	0.20	Tar Springs; MisU	S	P	2,500	30	ALf		
681	0	3	0	x	x		x	x	Cypress; MisU	S	P	2,915	10	AL		
682	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,960	18	AL		
683	0	5	0	x	x		x	x	Aux Vases; MisU	S	P	3,080	11	AL		
684				x	x		x	x	Levias; MisL[25]	OL	P	3,175	4	AC		
685	0	8	0	x	x		40.0	x	McClosky; MisL[26]	OL	P	3,250	5	AC		
686	0	2	0													
687	1	44	0												MisL	3,115
688	0	15	0	x	x		37.0	x	Tar Springs; MisU	S	P	2,270	15	AL		
689	0	6	0	x	x		x	x	Cypress; MisU	S	P	2,623	10	AL		
690	0	8	0	x	x		x	x	Aux Vases; MisU	S	P	2,905	15	AL		
691	0	1	0	x	x		x	x	Levias; MisL	OL	P	2,930	8	AC		
692	1	9	0	x	x		x	x	McClosky; MisL[26]	OL	P	2,989	10	AC		
693	0	5	0													
694	0	2	0	x	x		x	x	Tar Springs; MisU	S	P	2,300	20	MF	MisL	3,096
695	0	10	0												MisL	3,195
696	0	2	0	x	x		x	x	Degonia; MisU	S	P	2,090	6	A		
697	0	6	0	x	x		36.2	x	Clore; MisU	S	P	2,070	15	A		
698	0	1	0	x	x		x	x	Palestine; MisU	S	P	2,100	15	A		
699	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,825	16	x		
700	0	1	0	x	x		x	x	McClosky; MisL	OL	P	3,080	3	MF	MisL	3,090
701	0	2	0												MisL	3,275
702	0	1	0	x	x		37.0	x	Cypress; MisU	S	P	2,870	16	MF		
703	0	1	0	x	x		x	x	McClosky; MisL	OL	P	3,180	10	MF		
704	0	21	0												MisL	3,394
705	0	4	0	x	x		28.0	x	Pennsylvanian; Pen	S	P	1,500	15	A		
706	0	1	0	x	x		x	x	Pennsylvanian; Pen	S	P	1,750	18	MF		
707	0	3	0	x	x		37.2	0.24	Tar Springs; MisU	S	P	2,260	15	AL		
708	0	2	0	x	x		x	x	Cypress; MisU	S	P	2,660	10	AL		
709	0	2	0	x	x		x	x	Bethel; MisU	S	P	2,790	10	AL		
710	0	7	0	x	x		x	x	Aux Vases; MisU[26]	S	P	2,920	13	AL		
711	0	2	0													
712	0	60	0												MisL	3,246
713	0	1	0	x	x		x	x	Waltersburg; MisU	S	P	2,270	8	AL		
714	0	4	0	x	x		36.4	x	Tar Springs; MisU	S	P	2,385	12	ALf		
715	0	31	0	x	x		38.4	0.30	Hardinsburg; MisU	S	P	2,500	18	AF		
716	0	2	0	x	x		38.0	x	Cypress; MisU	S	P	2,720	20	AL		
717	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,850	15	AL		
718	0	17	0	x	x		39.0	0.20	McClosky; MisL[26]	OL	P	3,060	15	ACf		
719	0	4	0													
720	0	2	0												MisL	3,050
721	0	1	0	x	x		x	x	Pennsylvanian; Pen	S	P	1,310	10	AL		
722	0	0	0	x	x		38.0	x	Palestine; MisU	S	P	2,010	6	AL		
723	0	13	0												MisL	3,120
724				x	x		x	x	Cypress; MisU[25]	S	P	2,660	12	AL		
725	0	1	0	x	x		x	x	Paint Creek; MisU	S	P	2,775	11	AL		
726	0	4	0	x	x		36.5	x	Bethel; MisU	S	P	2,825	15	AL		
727	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,940	18	AL		
728	0	1	0	x	x		x	x	Levias; MisL	OL	P	3,015	5	AC		
729	0	2	0	x	x		x	x	McClosky; MisL[26]	OL	P	3,075	16	AC		
730	0	4	0													
731	0	75	0												MisL	3,091
732	0	5	0	x	x		37.0	x	Bridgeport; Pen	S	L	1,400	20	AL		
733	0	3	0	x	x		x	x	Degonia; MisU	S	L	1,905	x	AL		
734	0	31	0	x	x		33.8	0.28	Palestine; MisU	S	L	2,010	18	AL		
735	0	1	0	x	x		x	x	Waltersburg; MisU	S	P	2,210	19	AL		
736	0	20	0	x	x		38.0	x	Tar Springs; MisU	S	P	2,245	15	AL		

TABLE 1.—(*Continued*)

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
			Area Proved, Acres[b]	Total Production, Bbl.[c]		Area Proved, Acres[d]	Millions Cu. Ft.[e]		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
737			"	"	"		0	0	2	0	0
738			"	"	"		0	0	8	0	0
739			"	"	"		0	0	1	0	0
740			"	"	"		0	0	1	0	0
741									3	0	0
742	New Harmony Consolidated, *White*....	1939	9,000	28,542,000	4,400,000		0	0	742	21	2
743			"	"	"		0	0	2	2	0
744			"	"	"		0	0	8	0	0
745			"	"	"		0	0	22	0	0
746			"	"	"		0	0	27	0	0
747			"	"	"		0	0	87	0	0
748			"	"	"		0	0	11	0	0
749			"	"	"		0	0	128	2	0
750			"	"	"		0	0	179	9	1
751			"	"	"		0	0	0	0	0
752			"	"	"		0	0	2	0	0
753			"	"	"		0	0	88	1	0
754									188	7	1
755	New Harmony South, *White*.....	1941	60	58,000	13,000		0	0	4	0	0
756			"	"	"		0	0	1	0	0
757			"	"	"		0	0	1	0	0
758			"	"	"		0	0	1	0	0
759			"	"	"		0	0	1	0	0
760	New Haven, *White*.....	1941	250	455,000	68,000		0	0	22	0	0
761			"	"	"		0	0	4	0	0
762			"	"	"		0	0	1	0	0
763			"	"	"		0	0	9	0	0
764			"	"	"		0	0			
765			"	"	"		0	0	5	0	0
766			"	"	"		0	0	1	0	0
767									4	0	0
768	New Haven North, *White*.....	1944	20	3,000	3,000		0	0	2	2	0
769	Phillipstown Consolidated, *White*.....	1939	2,000	2,476,000	1,012,000		0	0	129	40	2
770			"	"	"		0	0	3	2	0
771			"	"	"		0	0	6	6	0
772			"	"	"		0	0	7	0	0
773			"	"	"		0	0	11	7	0
774			"	"	"		0	0	2	0	0
775			"	"	"		0	0	2	0	0
776			"	"	"		0	0	0	0	0
777			"	"	"		0	0	40	0	1
778			"	"	"		0	0			
779			"	"	"		0	0	3	3	0
780			"	"	"		0	0	11	5	0
781			"	"	"		0	0	3	1	0
782			"	"	"		0	0	3	0	0
783			"	"	"		0	0	15	5	1
784									23	11	0
785	Stokes, *White*.....	1939	1,000	1,595,000	412,000		0	0	48	3	0
786			"	"	"		0	0	2	0	0
787			"	"	"		0	0	2	1	0
788			"	"	"		0	0	7	0	0
789			"	"	"		0	0	11	0	0
790			"	"	"		0	0	5	0	0
791			"	"	"		0	0	3	2	0
792			"	"	"		0	0	0	0	0
793			"	"	"		0	0	12	0	0
794									6	0	0
795	Storms, *White*.....	1939	1,740	4,477,000	341,000		0	0	157	1	0
796			"	"	"		0	0	152	0	0
797			"	"	"		0	0	2	1	0
798			"	"	"		0	0	3	0	0
799	Trumbull, *White*.....	1944	10	"	"		0	0	1	1	0
800	Roland, *White, Gallatin*.....	1940	2,000	4,926,000	839,000		0	0	165	17	0
801			"	"	"		0	0	72	0	0

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944: Oil[43] Flowing	Oil[43] Artificial Lift	Gas	Reservoir Pressure, Lb. per Sq. In.[s]: Initial	Avg. /End 1944	Secondary Recovery[h]	Character of Oil[t]: Gravity A.P.I. at 60°F[u]	Sulphur, Per Cent	Producing Formation: Name and Age[j]	Character[k]	Porosity, Per Cent[l]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft.,[n] Net	Structure[o]	Deepest Zone Tested[p] to End of 1944: Name	Depth of Hole, Ft.
737	0	2	0	x	x		39.0	x	Cypress; MisU	S	P	2,565	8	AL		
738	0	8	0	x	x		x	x	Aux Vases; MisU	S	P	2,845	14	AL		
739	0	1	0	x	x		x	x	Levias; MisU	OL	P	2,865	18	MC		
740	0	1	0	x	x		x	x	McClosky; MisL	OL	P	2,870	2	MC		
741	0	3	0						[26]							
742	1	684	0			G									MisL	3,220
743	0	2	0	x	x		x	x	Jamestown; Pen	S	P	717	13	AL		
744	0	8	0	x	x		x	x	Biehl; Pen	S	P	1,850	20	AL		
745	0	21	0	x	x		37.6	0.49	Waltersburg; MisU	S	P	2,155	20	AL		
746	0	27	0	x	x		36.8	0.19	Tar Springs; MisU	S	P	2,215	20	AL		
747	0	27	0	x	x		39.0	x	Cypress; MisU	S	P	2,570	30	AL		
748	0	11	0	x	x		38.0	x	Paint Creek; MisU	S	P	2,660	20	AL		
749	0	100	0	x	x		36.0	0.24	Bethel; MisU	S	P	2,700	25	A		
750	1	154	0	x	x		36.4	0.19	Aux Vases; MisU	S	P	2,825	15	AC		
751	0	2	0	x	x		x	x	Levias; MisL	OL	P	2,900	5	AC		
752	0	2	0	x	x		x	x	Rosiclare; MisL	SL	P	2,905	10	AC		
753	0	86	0	x	x		39.2	0.20	McClosky; MisL	OL	P	2,925	8	AC		
754	0	193	0						[26]							
755	0	2	0												MisL	3,207
756	0	1	0	x	x		x	x	Waltersburg; MisU	S	P	2,250	20	MF		
757	0	0	0	x	x		x	x	Tar Springs; MisU	S	P	2,355	16	MF		
758	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,820	15	MF		
759	0	0	0	x	x		38.0	x	McClosky; MisL	OL	P	3,010	8	MF		
760	0	22	0												MisL	2,900
761	0	4	0	x	x		36.4	0.27	Tar Springs; MisU	S	P	2,100	10	ALf		
762	0	1	0	x	x		38.0	x	Hardinsburg; MisU	S	P	2,250	7	ALf		
763	0	8	0	x	x		38.0	x	Cypress; MisU	S	P	2,435	12	ALf		
764				x	x		x	x	Bethel; MisU[25]	S	P	2,630	9	ALf		
765	0	3	0	x	x		39.0	x	Aux Vases; MisU	S	P	2,715	17	ALf		
766	0	2	0	x	x		38.0	x	McClosky; MisU	OL	P	2,830	6	MC		
767	0	4	0						[26]							
768	0	2	0	x	x		x	x	Tar Springs; MisU	S	P	2,175	10	ML	MisL	2,986
769	0	116	0												Dev	5,350
770	0	3	0	x	x		x	x	Pennsylvanian; Pen	S	P	795	10	MF		
771	0	6	0	x	x		x	x	Pennsylvanian; Pen	S	P	1,340	10	MF		
772	0	7	0	x	x		36.2	0.22	Pennsylvanian; Pen	S	P	1,450	15	MF		
773	0	8	0	x	x		x	x	Degonia; MisU	S	P	1,975	10	MF		
774	0	4	0	x	x		36.0	x	Clore; MisU	S	P	2,010	10	MF		
775	0	2	0	x	x		36.0	x	Palestine; MisU	S	P	2,050	10	MF		
776	0	1	0	x	x		x	x	Waltersburg; MisU	S	P	2,280	x	MF		
777	0	35	0	x	x		36.0	x	Tar Springs; MisU	S	P	2,295	15	ALf		
778				x	x		x	x	Cypress; MisU	S	P	2,720	12	AF		
779	0	9	0	x	x		x	x	Paint Creek; MisU	S	P	2,780	9	AF		
780	0	14	0	x	x		x	x	Bethel; MisU	S	P	2,810	12	AF		
781	0	8	0	x	x		39.4	x	Aux Vases; MisU	S	P	2,880	15	AF		
782	0	0	0	x	x		x	x	Rosiclare; MisL	SL	P	2,960	10	AC		
783	0	8	0	x	x		38.2	0.21	McClosky; MisL	OL	P	3,000	6	AC		
784	0	11	0						[26]							
785	0	48	0												MisL	3,204
786	0	3	0	x	x		x	x	Tar Springs; MisU	S	P	2,295	16	MF		
787	0	1	0	x	x		x	x	Cypress; MisU	S	P	2,660	12	MF		
788	0	19	0	x	x		x	x	Paint Creek; MisU	S	P	2,800	22	AF		
789	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,813	8	AF		
790	0	4	0	x	x		x	x	Aux Vases; MisU	S	P	2,890	15	AF		
791	0	4	0	x	x		x	x	Levias; MisL	OL	P	3,035	5	AC		
792	0	1	0	x	x		x	x	Rosiclare; MisL	SL	P	x	x	AC		
793	0	5	0	x	x		35.8	0.26	McClosky; MisL	OL	P	3,070	10	AC		
794	0	11	0						[26]							
795	0	143	0												MisL	3,173
796	0	138	0	x	x		32.1	0.28	Waltersburg; MisU	S	P	2,230	11	AL		
797	0	2	0	x	x		x	x	Cypress; MisU	S	P	2,655	10	ALf		
798	0	3	0	x	x		x	x	Paint Creek; MisU	S	P	2,805	14	ML		
799	0	1	0	x	x		x	x	Cypress; MisU	S	P	2,830	x	A	MisU	2,858
800	0	154	0												Dev	5,225
801	0	62	0	x	x		x	x	Waltersburg; MisU	S	P	2,170	15	AL		

In 1943, some 22,905 acres were added, 2,690 acres in new fields and 20,215 acres in older fields.

Drilling

During the year, 1991 wells were drilled for oil or gas. In addition five completions of gas-input wells and six of wells for salt-water disposal were reported, and there was an unknown number of unreported input wells. Of the 1991 wells drilled for oil or gas, 1217 were oil wells, 6 were gas wells, and 768 were dry holes. Producing wells made up 61 per cent of the wells drilled, an increase of 2 per cent over 1943. Of the total number of wells drilled, 430 are classified as wildcat. Of this number 70, or 16 per cent, were successful in obtaining production, as compared with 94 successful completions (20 per cent) in 1943 (Tables 2*A* and 2*B*). Of the 430 wildcat wells completed in 1944 (Table 4), 261 were more than 2 miles from production, and of these, 28 (or 11 per cent) were successful. For comparison, 243 wildcat wells were more than 2 miles from production in 1943, and of these, 29 (or 12 per cent) were successful. Table 2*D* is a list of selected dry wildcat wells, including deep-pool tests and wildcats in nonproducing parts of the state.

A summary of drilling by counties for the year is given in Table 5.

Exploration Methods

Of the 430 wildcat wells drilled (Table 4), 18 per cent of the 364 known to have been located by scientific methods were successful, as compared with 22 per cent success for wildcats thus located in 1943. The total footage of wildcat wells drilled in 1944 was 1,073,714 ft. of which a total of 192,167 ft., or 18 per cent, was drilled in successful wells.

Subsurface geology and seismograph surveys were used in locating 85 per cent of the wildcat wells drilled in 1944 in Illinois. New pools were discovered by the following methods: subsurface geology, 15; seismograph surveys, 7; seismograph and subsurface geology, 3; nonscientific, 3.

TABLE 1.—(*Continued*)

Line Number	Field, *County*[a]	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells[f]		
			Area Proved, Acres[b]	Total Production, Bbl.[c]		Area Proved, Acres[d]	Millions Cu. Ft.[e]			1944	
				To End of 1944	During 1944		To End of 1944	During 1944	Completed to End of 1944	Completed	Abandoned
802			"	"	"		0	0	4	0	0
803			"	"	"		0	0	12	7	0
804			"	"	"		0	0			
805			"	"	"		0	0	17	2	0
806			"	"	"		0	0	20	1	0
807			"	"	"		0	0			
808			"	"	"		0	0	2	0	0
809									38	7	0
810	Mill Shoals, *White, Hamilton, Wayne*...	1939	1,840	3,452,000	476,000		0	0	134	19	1
811			"	"	"		0	0	107	16	1
812			"	"	"		0	0			
813			"	"	"		0	0			
814			"	"	"		0	0	23	2	0
815									4	1	0
816	Total for fields after Jan. 1, 1937[42].....		173,485	642,407,000	72,946,000		6,126	600	14,287	1,187	193
817	Total for Illinois[42].....		329,050	1,103,768,000	77,413,000		8,552	615	35,088	1,235	668

[42] Total from U. S. Bureau of Mines monthly report.

The number of seismograph parties operating throughout the year, by months, was as follows:

Jan.	5	July	2
Feb.	3	Aug.	2
Mar.	4	Sept.	2
April	4	Oct.	2
May	3	Nov.	1
June	3	Dec.	2
Total party months	33		

In terms of party months, the amount of seismograph work done in Illinois in 1944 dropped to about 40 per cent of the 1943 total, which was 85 party months.

No pre-Mississippian pools or new producing formations were discovered in Illinois in 1944. Dry Devonian tests were drilled in three Mississippian pools: Dale-Hoodville, Johnsonville, and Mayberry; and as edge wells of two other pools: Dix and Johnson South. None of the Devonian tests that were drilled in areas of shallower production found any large porous zone in the Devonian comparable with that which produces in the Salem and Centralia fields. A selected list of dry tests for the year is given in Table 2*D*.

A noteworthy deep test was the Ohio Oil Company's Shaw No. 1 well near Tuscola, Ill., which was dry and was abandoned in December 1944, at a total depth of 4151 ft., and was finished in the Mt. Simon sandstone of the Cambrian system, top of the Mt. Simon at 4045 ft. Oil stains were found in the "Trenton" limestone but no oil shows were found below that. This well was located on top of a large dome of several hundred feet closure in the LaSalle anticlinal belt, and in an area where the uppermost bedrock is Devonian limestone.

Development

Drilling during 1944 was concentrated in eight counties: Clay, Edwards, Hamilton, Jefferson, Richland, Wabash, Wayne, and White. Wayne County led in activity with 330 completions, of which 242 were producing wells. Jefferson ranked first in discoveries for the year with four new pools, including the three that had produced the most oil by the end of the year: Boyd, Divide West, and Roaches North. Fields in which the greatest number of producing

TABLE 1.—(*Continued*)

Line Number	Wells Producing[g] Dec. 1944			Reservoir Pressure, Lb. per Sq. In.[5]		Secondary Recovery[h]	Character of Oil[i]		Producing Formation					Deepest Zone Tested[p] to End of 1944	
	Oil[43]		Gas	Initial	Avg. End 1944		Gravity A.P.I. at 60°F.[6]	Sulphur, Per Cent	Name and Age[j]	Character[k]	Porosity, Per Cent[l]	Depth to Top of Producing Zone, Ft.[m]	Productive Thickness, Avg. Ft.,[n] Net	Structure[o]	Name
	Flowing	Artificial Lift													
802	0	4	0	x	x		31.7	0.25	Tar Springs; MisU	S	P	2,240	12	AL	
803	0	11	0	x	x		32.0	x	Cypress; MisU	S	P	2,560	15	AL	
804				x	x		x	x	Paint Creek; MisU[25]	S	P	2,750	12	A	
805	0	16	0	x	x		39.0	x	Bethel; MisU	S	P	2,760	17	A	
806	0	19	0	x	x		x	x	Aux Vases; MisU	S	P	2,880	18	AL	
807				x	x		x	x	Levias; MisL[25]	OL	P	2,950	8	AC	
808	0	2	0	x	x		x	x	McClosky; MisL[26]	OL	P	2,970	5	AC	
809	0	40	0												
810	0	130	0												MisL
811	0	103	0	x	x		39.8	0.14	Aux Vases; MisU	S	P	3,220	16	A	
812				x	x		x	x	Levias; MisL[25]	OL	P	3,317	11	AC	
813				x	x		x	x	Rosiclare; MisL[25]	SL	P	3,344	8	AC	
814	0	23	0	x	x		38.0	0.16	McClosky, MisL[26]	OL	P	3,440	5	AC	
815	0	4	0												
816	171	12,335	64												
817	171	24,355	73												

Line Number	Depth of Hole, Ft.
802	
803	
804	
805	
806	
807	
808	
809	
810	3,520
811	
812	
813	
814	
815	
816	
817	

TABLE 2.—*Important Wells Drilled in Illinois in* 1944

	Pool	County	Company and Farm	Location	Total Depth, Ft.	Depth to Top, Ft.	Producing Formation	Initial Production, Bbl.[a]	Date of Completion of Discovery Well	Number of Wells Producing in Field Jan. 2, 1945
	A. DISCOVERY WELLS OF NEW FIELDS									
1	Bennington South	Edwards	Nash Redwine, G. C. Jones 1	31-1N-10E	3,253	3,238	McClosky	132 + 67	7-18-44	1
2	Bible Grove East	Clay	Wisc. Ref. and Doran, Murvin 1	22-5N-7E	2,517	2,508	Cypress	156	12-19-44	2
3	Bogota South	Jasper	Schuller and Witt, Lourance 1	3-5N-9E	3,065	3,054	McClosky	57	7-4-44	1
4	Boyd	Jefferson	Cameron, Bizot 1	30-1S-2E	2,063	2,050	Bethel	167	8-22-44	15
5	Calhoun	Richland	Phillips Petr. Co., Jennings 1	6-2N-10E	3,280	3,166	Levias	178	8-22-44	6
6	Calhoun North	Richland	Pure Oil Co., Koertge 1	33-3N-10E	3,276	3,165; 3,184	Rosiclare; McClosky	149 + 97	1-2-45	1
7	Concord South	White	Great Lakes Carbon, Burris 1	7-7S-10E	3,113 (PB 2,411)	2,313	Tar Springs	50	9-12-44	2
8	Divide West	Jefferson	Texas Company, W. Green 1	15-1S-3E	2,862	2,752	McClosky	85	2-29-44	11
9	Ewing	Franklin	Central Pipe Line, Rose 1	4-5S-3E	2,980	2,973	McClosky	146 + 15	12-5-44	1
10	Fitzgerrell	Jefferson	Texas Company, Inland Steel 1	25-4S-1E	3,012 (PB 2,776)	2,756	Bethel	53 + 46	12-12-44	1
11	Hoodville East	Hamilton	Nat. Assoc. Petr., Stocker 1	33-5S-7E	3,387	3,364	McClosky	80 + 10	6-13-44	0
12	Keensburg South	Wabash	Central Pipe Line, Garst 1	27-2S-13W	2,728	2,713	Levias	173	6-13-44	2
13	Lancaster East	Wabash	Greauling, Case 1	36-2N-13W	2,630 (PB 1,761)	1,745	Biehl	5	12-12-44	1
14	Maplegrove East	Edwards	Texas Company, C. Lambright 1	1-1N-10E	3,242	3,215	McClosky	133 + 42	6-6-44	3
15	Mt. Erie North	Wayne	Jablonski, Yorndorf-Ascher 1	3-1N-9E	3,226	3,100	Aux Vases	47	1-25-44	4
16	New Haven North	White	Sohio, Union Cen. Life Ins. 1-A	10-7S-10E	2,183	2,174	Tar Springs	40	8-1-44	2
17	New Haven West	Gallatin	Oil Management, Goforth 2	27-7S-10E	2,115	2,098	Tar Springs	184	8-15-44	8
18	Newton	Jasper	Texas Company, Huddlestun 1	13-6N-9E	3,022	2,929	McClosky	39 + 22	1-2-45	1
19	Olney East	Richland	Texas Company, Wright 1	24-4N-10E	3,094	3,080	McClosky	416	12-19-44	1
20	Roaches North	Jefferson	Texas Company, Kasban 1	8-2S-1E	2,255	2,103	Rosiclare	221 + 10	8-15-44	28
21	Sailor Springs East	Clay	Magnolia Petr. Co., Mary A. Rinnert 1	33-4N-8E	2,718	2,690	Cypress	32	8-29-44	9
22	Santa Fe	Clinton	Texas Company, Althoff 1	29-1N-3W	2,512 (PB 974)	953	Cypress	5½ + 2	12-5-44	1
23	Sumner	Lawrence	Texas Company, M. D. Smith 1	16-4N-13W	2,359	2,261	McClosky	65	8-22-44	1
24	Thackeray	Hamilton	Nat. Assoc. Petr., Johnson 2	10-5S-7E	3,402	3,384	Aux Vases	60	8-8-44	3
25	Thompsonville North	Franklin	Deep Rock, Kirk Tr. 1	15-7S-4E	3,152	3,113	Aux Vases	110 + 3	12-19-44	1
26	Trumbull	White	Lewis, Burkhard 1	18-5S-9E	2,858	2,830	Cypress	192	1-2-45	1
27	West End	Hamilton	Sinclair-Wyoming, Russell 1	17-7S-5E	3,150	3,131	Aux Vases	425	1-2-45	1
28	Whittington West[b]	Franklin	Murchison, Franklin County Coal 1	11-5S-2E	2,942	2,752	Levias	8 + 5	12-14-43	3
29	Willow Hill	Jasper	Pure Oil Co., Dhom "A" 1	34-7N-10E	2,715	2,665	McClosky	213	11-28-44	1
	B. DISCOVERY WELLS OF EXTENSIONS TO POOLS									
1	Albion Consolidated	Edwards	Superior, Blood A-1	1-3S-10E	3,263	2,997; 3,109; 3,045	Bethel; Aux Vases; Renault	88	6-6-44	
2	Belle Prairie	Hamilton	Phillips Petr. Co., Leach 1	12-4S-6E	3,450	3,426	McClosky	85 + 85	10-3-44	
3	Belle Prairie	Hamilton	Shell Oil Co., Shepard 1	2-4S-6E	3,432	3,351	McClosky	61 + 15	5-23-44	
4	Bible Grove	Effingham	Schulman Bros., F. W. Veith 1	34-6N-7E	2,541	2,528	Cypress	85	11-21-44	
5	Browns	Edwards	Kingwood, Iles Tr. 1	4-2S-14W	3,112 (PB 3,020)	3,013	McClosky	12 + 31	11-7-44	
6	Browns South	Edwards	Mitchell, Henderson 1	5-2S-14W	2,869	2,850	Bethel	50	12-5-44	
7	Bone Gap	Edwards	Schrack, McDowell 1	6-1S-14W	3,188	3,153	McClosky	30	7-25-44	

[a] Oil and water.
[b] Discovered in 1943; named 2-3-44.

TABLE 2.—(*Continued*)

	Pool	County	Company and Farm	Location	Total Depth, Ft.	Depth to Top, Ft.	Producing Formation	Initial Production, Bbl.[a]	Date of Completion of Discovery Well	Number of Wells Producing in Field Jan. 2, 1945
8	Boyleston Consolidated	Wayne	Pure Oil Co., Wayne County Farm 1	24-1S-7E	3,332	3,312	McClosky	382 + 176	7-11-44	
9	Calhoun	Richland	Climer (Ill. Prod.), Richards 1	7-2N-10E	3,188	3,157	McClosky	30	12-12-44	
10	Calvin North	White	Nat. Assoc. Petr., Bisch 1	30-3S-14W	3,120	1,534	Pennsylvanian	43 + 43	5-16-44	
11	Carlinville North	Macoupin	Gill, Wilson 1	29-10N-7W	469	462	Pottsville	8	11-14-44	
12	Clay City Consol	Wayne	Pure Oil Co., Fitch 1	16-1N-8E	3,180	3,071	McClosky	55 + 92	3-28-44	
13	Clay City Consol	Wayne	Pure Oil Co., Jones 1	24-1N-8E	3,215 (PB 3,048)	3,010	Aux Vases	48	12-5-44	
14	Clay City Consol	Wayne	Pure Oil Co., Miller "A" 1	24-2N-8E	3,060	2,998	McClosky	70	9-12-44	
15	Clay City Consol	Wayne	Pure Oil Co., Thompson "A" 1	26-2N-7E	3,082	3,026	McClosky	427 + 38	6-20-44	
16	Clay City West	Clay	Amsco, McAllister 1	3-2N-7E	3,150	2,700	Cypress	29 + 4	10-3-44	
17	Cowling	Edwards	Wickham, Schroeder 1	27-2S-14W	3,004	2,971	McClosky	55 + 100	8-1-44	
18	Geff	Wayne	Pure Oil Co., Molt "A" 1	31-1N-8E	3,158	3,089	Rosiclare	110 + 113	4-18-44	
19	Goldengate Consolidated	Wayne	Cities Service, Kletzker 1	4-3S-9E	3,441	3,298; 3,338	Levias; Rosiclare	130 + 10	12-5-44	
20	Iola	Clay	Texas Company, Rose 1	10-5N-5E	2,559	2,145	Cypress	27 + 5	10-24-44	
21	Keensburg South	Wabash	Fox Bros., Thompson 2	3-3S-13W	1,161	1,144	Pennsylvanian	35 + 30	8-8-44	
22	Lancaster	Wabash	Greauling, Cooper 1	33-2N-13W	2,574	2,548	Bethel	170	6-6-44	
23	Lancaster West	Edwards	Martin, Bradham 1	3-1N-14W	3,125 (2,990)	2,976	Levias	8 + 10	11-14-44	
24	Lawrence	Lawrence	Big Four and Ashland, Sumner-Briggs 1	13-3N-13W	2,048	2,022; 2,038	Levias; McClosky	22	10-24-44	
25	Marine	Madison	Obering, Bird 1	8-4N-6W	1,747	1,719	Silurian	45	7-25-44	
26	Mill Shoals	Wayne	Robinson Puckett, Felix 1	12-3S-7E	3,258	3,240	Aux Vases	129	2-15-44	
27	Mt. Carmel	Wabash	Shell Oil Co., Dunkel 1	33-1N-12W	2,435 (PB 2,114)	1,993	Cypress	35 + 14	8-8-44	
28	Mt. Erie	Wayne	Pure Oil Co., Wilson Consol. "A" 1	10-1S-8E	3,235	3,217	McClosky	43 + 115	4-18-44	
29	Mt. Erie North	Wayne	Dolly and Reyfield, Amsbury 1	9-1N-9E	3,247	3,246	McClosky	210 + 15	7-18-44	
30	Mt. Erie North	Wayne	Dolly and Reyfield, Totten-Rothrock 1	5-1N-9E	3,270	3,209	McClosky	20 + 650	12-5-44	
31	New Haven North	White	Sohio Oil Co., Pearce et al. 1	3-7S-10E	2,186	2,176	Tar Springs	18	8-22-44	
32	Noble	Richland	Pure Oil Co., Chaffin "C" 1	1-2N-8E	3,110	2,970	McClosky	113 + 88	8-29-44	
33	Noble	Richland	Pure Oil Co., Sharp "B" 1	2-2N-8E	2,982	2,956	McClosky	595	12-12-44	
34	Noble	Richland	Pure Oil Co., Smith "A" 1	35-3N-8E	3,002	2,968	McClosky	285	7-18-44	
35	Patton West	Wabash	Olds Oil Co., Stillwell 2	28-1N-12W	2,387 (PB 2,040)	2,011	Cypress	5	11-28-44	
36	Patton West	Wabash	Skiles Schmitt 1	20-1N-12W	2,351	2,331	McClosky	345 + 15	2-15-44	
37	Roaches North	Jefferson	Nat. Assoc. Petr., Casner Oil and Gas 1	5-2S-1E	1,900	1,885	Bethel	146	9-12-44	
38	Schnell	Richland	Pure Oil Co., Kurtz 1	19-3N-9E	3,046	2,968	McClosky	232	7-4-44	
39	Schnell	Clay	Wicklund, McCauley 2	23-3N-8E	2,976	2,974	McClosky	225	8-8-44	
40	Sesser	Franklin	Jarvis, Old Ben Coal 1A-2	29-5S-2E	2,866	2,836; 2,856	Rosiclare; McClosky	40 + 60	11-28-44	
41	Storms	White	Skelly Oil Co., McCarty 1	7-6S-10E	3,173 (PB 2,705)	2,698	Cypress	17 + 30	10-24-44	
42	Whittington West	Franklin	Randall, U. S. Coal and Coke 1	14-5S-2E	2,716	2,679	Aux Vases	42	9-12-44	
	C. DISCOVERY WELLS OF ADDITIONAL PRODUCING ZONES IN POOLS									
1	Albion Consolidated	Edwards	Carter Oil Co., Schmittler 1	12-3S-10E	3,188	2,650	Hardinsburg	756 + 60[c]	12-12-44	
2	Albion Consolidated	Edwards	Schrack, Scott Heirs 1	36-2S-10E	2,069	2,059	Biehl	114	2-8-44	
3	Albion Consolidated	Edwards	Superior, Mussett 5	12-3S-10E	3,119	2,127	Degonia	150 + 2[c]	12-12-44	
4	Albion Consolidated	Edwards	Superior, Wick 1	25-2S-10E	3,181	2,448	Tar Springs	218 + 27[c]	5-9-44	
5	Albion Consolidated	Edwards	Superior, Willett 2	30-2S-11E	3,123	2,944	Renault	125[c]	4-11-44	

[c] Production from two or more pays.

TABLE 2.—(*Continued*)

	Pool	County	Company and Farm	Location	Total Depth, Ft.	Depth to Top, Ft.	Producing Formation	Initial Production, Bbl.[a]	Date of Completion of Discovery Well	Number of Wells Producing in Field Jan. 2, 1945
6	Bennington	Edwards	Tidewater, Van Schoick 1	18-1N-10E	3,235	3,214	McClosky	145	12-5-44	
7	Benton North	Franklin	Markham, Old Ben Coal 1	1-6S-2E	2,458	2,427	Cypress	10 + 68	10-17-44	
8	Boyd	Jefferson	Superior, Price 4	19-1S-2E	2,158	2,134	Aux Vases	453	10-31-44	
9	Browns	Edwards	Superior, Lipper 2	28-1S-14W	2,948 (PB 2,783)	2,778	Bethel	170	2-1-44	
10	Browns	Edwards	Superior, Lipper 6	28-1S-14W	3,071	2,994	McClosky	444	7-11-44	
11	Bungay	Hamilton	Nat. Assoc. Petr., York-Tibbs 2	35-4S-7E	3,442	3,428	McClosky	20	3-14-44	
12	Burnt Prairie	White	New Penn Develop., Whitlow 4	28-3S-9E	3,430		Aux Vases	50	8-1-44	
13	Calhoun	Richland	Phillips, Richland 1	6-2N-10E	3,163	3,150	McClosky	577	10-17-44	
14	Calvin North	White	White Eagle, Woodham 1	30-3S-14W	3,082	2,996	McClosky	42	12-5-44	
15	Coil W	Jefferson	Gulf, Donoho 1	23-1S-4E	2,961 (PB 2,814)	2,720	Aux Vases	210 + 5[c]	5-16-44	
16	Concord	White	Great Lakes Carbon, Tuley 1	21-6S-10E	2,646	2,623	Cypress	80 + 25	2-15-44	
17	Covington	Wayne	Deep Rock, Harper 1	32-1S-7E	3,297	3,244	Rosiclare	88 + 18[c]	2-1-44	
18	Cowling	Edwards	Wickham, Schroeder 1	27-2S-14W	3,004	2,971	McClosky	55 + 100	8-1-44	
19	Divide West	Jefferson	Texas, Green 4	22-1S-3E	2,854 (PB 2,800)	2,682	Levias	129 + 33[c]	10-10-44	
20	Flora	Clay	Tidewater, Graham-Hill 1	13-3N-6E	2,985	2,874	Aux Vases	42[c]	1-25-44	
21	Geff	Wayne	Pure, Molt "A" 1	31-1N-8E	3,158	3,089	Rosiclare	110 + 113	4-18-44	
22	Grayville	White	Yingling, Potter Comm. 1	20-3S-14W	2,790	2,090	Palestine	56	1-25-44	
23	Keensburg South	Wabash	Fox Bros., Thompson 2	3-3S-13W	1,161	1,144	Pennsylvanian	35 + 30	8-8-44	
24	Lancaster	Wabash	Schrack, Seibert 1	4-1N-13W	2,750	2,669	Levias	90[c]	6-27-44	
25	Markham City North	Jefferson	Central Pipe Line, J. T. Henry 2	13-2S-4E	2,956	2,943	Aux Vases	170 + 20	1-25-44	
26	Mattoon	Coles	Beckman, Herman Comm. 1	25-12N-7E	2,064	2,048	Rosiclare	21	2-29-44	
27	Maunie North	White	Continental Oil, Brown 1	25-5S-10E	3,107	3,015	Levias	16	5-13-44	
28	Mt. Erie	Wayne	Gulf, Wynona-Blackburn 1	12-1S-8E	3,114	3,058	Levias	132 + 14[c]	5-2-44	
29	Mt. Erie North	Wayne	Dolly and Reyfield, Amsbury 1	9-1N-9E	3,247	3,246	McClosky	210 + 15	7-18-44	
30	Patton West	Wabash	Bell Bros., Green 3	29-1N-12W	2,325	2,313	Levias	7 + 50[c]	9-12-44	
31	Patton West	Wabash	Luttrell, Litherland 1	20-1N-12W	2,351 (PB 2,170)	2,022	Cypress	15	3-7-44	
32	Patton West	Wabash	Luttrell, Litherland 1	20-1N-12W	2,351 (PB 2,170)	2,139	Bethel	15	3-7-44	
33	Patton West	Wabash	Shell, Woods et al 1	20-1N-12W	2,112 (PB 1,565)	1,542	Biehl	50 + 34	2-15-44	
34	Patton West	Wabash	Williams, Rosignal 1	20-1N-12W	2,300	2,284	Aux Vases	95	5-16-44	
35	Phillipstown Consolidated	White	Gulf, Garfield Parson 1	7-4S-14W	2,826	2,776	Paint Creek	60 + 10	2-29-44	
36	Roaches North	Jefferson	Texas, Kasban 2	8-2S-1E	2,138	1,933	Bethel	195	8-29-44	
37	Sesser	Franklin	Jarvis, Old Ben Coal 1 A-2	29-5S-2E	2,866	2,836	Rosiclare	40 + 60	11-28-44	
38	Sesser	Franklin	Jarvis, Old Ben Coal 1 A-2	29-5S-2E	2,866	2,856	McClosky	40 + 60	11-28-44	
39	Whittington West	Franklin	Randall, U. S. Coal and Coke 1	14-5S-2E	2,716	2,679	Aux Vases	42	9-12-44	

TABLE 2.—(*Continued*)

	Pool	County	Company and Farm	Location	Total Depth, Ft.	Depth to Top, Ft.	Producing Formation	Initial Production, Bbl.[a]	Date of Completion of Discovery Well	Number of Wells Producing in Field Jan. 2, 1945
			D. SELECTED LIST OF DRY TESTS							
1		Bond	Magnolia, L. V. Hunter 1	15-6N-3W	2,386	2,276	Dutch Creek (Dev)		11-14-44	
2		Bond	Texas, Enloe 1	6-4N-2W	3,397	3,372	Trenton		5-2-44	
3		Bond	Texas, F. M. Miller 1	22-6N-2W	2,485	2,416	Clear Creek (Dev)		11-28-44	
4		Bond	Union Prod. Petr., Acconero 1	26-4N-4W	3,170				11-28-44	
5		Clark	Jansen, Carpenter 1	9-9N-12W	2,735	2,697	Devonian		6-6-44	
6		Clark	Texas, Coldren 1	4-11N-11W	2,406	2,236	Devonian		10-3-44	
7		Clark[d]	Wright, Hight 1	32-9N-14W	2,570	2,503	Devonian		10-17-44	
8		Clinton	Stanolind, Phillips 1	4-2N-3W	2,513	2,391	Devonian		2-1-44	
9		Clinton	Strickland, Haake 1	32-2N-3W	2,602	2,498	Devonian		12-19-44	
10		Clinton	Texas, Schumacher 1	29-3N-4W	2,426	2,225	Devonian		5-2-44	
11		Douglas	Ohio, Shaw 1	36-16N-8E	4,151	4,045	Mt. Simon		1-2-45	
12		Fayette	Texas, Sheridan-Stokes 1	7-8N-1E	3,663	3,607	Plattin		1-11-44	
13		Ford	Herndon, W. J. Fecht 1	33-26N-9E	2,237	2,075	Oneota		2-1-44	
14		Greene	Beatrice Creamery, Chicago Cold Storage 1	26-12N-13W	1,100	1,063	St. Peter		5-2-44	
15		Greene	Johnson, Waller 1	12-11N-10W	1,100	1,001	Devonian		5-23-44	
16		Hamilton[e]	Texas, Davis 14	7-6S-7E	5,358	5,020	Devonian		12-5-44	
17		Hancock	Herndon, M. D. Laffey 1	17-3N-7W	3,025	2,760	Mt. Simon		3-14-44	
18		Henderson	Northern Ordnance, Adams 1	28-8N-4W	323				6-27-44	
19		Henderson	Northern Ordnance, Bohan 1	18-8N-4W	729	698	Maquoketa		7-18-44	
20		Henderson	Northern Ordnance, Covert 1	35-8N-4W	725				8-1-44	
21		Henderson	Northern Ordnance, Likely 1	1-9N-5W	410	405	Maquoketa		8-22-44	
22		Henderson	Northern Ordnance, Pendarvis 1	17-9N-4W	446				6-27-44	
23		Henderson	Northern Ordnance, Pendarvis 1	23-9N-4W	492				8-22-44	
24		Henderson	Northern Ordnance, Tubbs 1	22-9N-4W	390				7-11-44	
25		Henderson	Northern Ordnance, Tubbs 2	22-9N-4W	605				8-22-44	
26		Henderson	Northern Ordnance, Schenck 1	15-8N-4W	674	667	Maquoketa		12-5-44	
27		Jackson	Magnolia, Froemling-Reuscher 1	11-7S-4W	3,582	3,421	"Trenton"		6-27-44	
28		Jefferson[f]	Nash Redwine, V. Laux 1	15-1S-2E	3,765	3,611	Devonian		6-20-44	
29		Kendall	Herndon, R. Proctor 1	36-36N-8E	2,328		Mt. Simon		2-2-44	
30		McDonough	Northern Ordnance, Champion 1	9-6N-3W	642				11-7-44	
31		McDonough	Northern Ordnance, Deems 1	26-7N-4W	760				11-14-44	
32		Madison	Magnolia, Plocker 1	10-3N-5W	2,897	2,876	Plattin		12-19-44	
33		Montgomery	Malone, Todt 1	21-11N-4W	632				4-4-44	
34		Montgomery	Texas, Long 1	27-11N-5W	2,525	2,359	"Trenton"		6-13-44	
35		Montgomery	Texas, Springfield Marine Bank 1	32-10N-3W	2,714	2,636	"Trenton"		5-2-44	
36		Randolph	General Oil and Gas, Schmoll 3	27-4S-7W	450				8-22-44	
37		Randolph	General Oil and Gas, Schmoll 4	27-4S-7W	427				11-28-44	
38		Randolph	McHughes, Wilson 1	23-6S-6W	757	635	Aux Vases		4-18-44	
39		St. Clair	Braun, Munier 1	27-1S-8W	309	185	Cypress		2-29-44	
40		St. Clair	Sinclair-Wyoming, Baer 1	23-2N-6W	2,575	2,459	"Trenton"		10-24-44	
41		St. Clair	Skelly, Schickedanz 1	12-3S-6W	2,805	2,684	"Trenton"		8-15-44	

[d] Old well deepened. Near Johnson South field.
[e] In Dale-Hoodville field.
[f] In Dix field.

TABLE 2.—(*Continued*)

	Pool	County	Company and Farm	Location	Total Depth, Ft.	Depth to Top, Ft.	Producing Formation	Initial Production, Bbl.[a]	Date of Completion of Discovery Well	Number of Wells Producing in Field Jan. 2, 1945
42		St. Clair	Young, McCurdy 3	32-3S-6W	530	506	Cypress		3-28-44	
43		St. Clair	Young, McCurdy 4	29-3S-6W	618	590	Bethel		7-25-44	
44		Saline	Brehm, Webb 1	28-8S-6E	3,063	2,855	St. Genevieve		12-19-44	
45		Saline	Jarvis and Marcell, R. Raley 1	10-10S-6E	2,074	1,953	Cypress		1-25-44	
46		Saline	Jarvis and Marcell, Sisk 1	15-10S-6E	1,520	1,498	Waltersburg		3-21-44	
47		Saline	Magnolia, Pruett 1	7-9S-6E	2,886	2,615	St. Genevieve		7-11-44	
48		Schuyler	Amberg and Miller, Taylor 1	30-1N-1W	630				6-20-44	
49		Schuyler	Northern Ordnance, F. B. Greuel 1	7-3N-1W	684	617	Maquoketa		8-15-44	
50		Schuyler	Northern Ordnance, E. Payne 1	3-3N-2W	756				10-10-44	
51		Schuyler	Northern Ordnance, A. Yaap 1	1-3N-2W	783	664	Devonian		9-12-44	
52		Shelby	Luttrell, McAndrew 1	15-10N-6E	2,314	2,298	St. Louis		10-31-44	
53		Shelby	Lynch, Amling 1	20-12N-2E	1,666	1,558	St. Genevieve		6-27-44	
54		Shelby	Texas, Noffke 1	31-11N-6E	2,182	2,070	St. Genevieve		3-28-44	
55		Shelby	Thorpe, Hosteler 1	33-11N-4E	2,034	1,888	St. Genevieve		7-11-44	
56		Union	Nation Oil, Gray 1	2-11S-1E	1,949	1,730	St. Genevieve		2-22-44	
57		Washington	Hubbard, Sandheinrich 1	18-2S-5W	952	920	Aux Vases		2-1-44	
58		Washington	Ruwalt, Brinkman 1	14-2S-5W	2,475	2,290	Devonian		2-8-44	
59		Wayne[g]	Texas, Draper 1	8-3S-6E	5,377	5,169	Devonian		6-6-44	
60		Wayne[h]	Texas, Greathouse 1	27-1N-6E	5,200	5,186	Clear Creek (Dev)		11-14-44	
61		Will	Livengood, E. L. Herren 1	23-36N-9E	1,958	1,904	Mt. Simon		11-14-44	
62		Williamson	Browning, Hayton 1	32-9S-1E	2,060	1,958	St. Genevieve		12-12-44	
63		Williamson	Superior, Pulley et al. 1	13-9S-3E	2,790	2,776	St. Louis		4-18-44	

[g] In Mayberry field. Old well deepened, plugged back to McClosky producer.
[h] Old well deepened. In Johnsonville field.

TABLE 3.—*Completions and Production in Illinois since January* 1, 1936

Period of Time	Number of Completions[a]	Number of Producing Wells	Production, Thousands of Barrels		
			New Fields[b]	Old Fields[b,c]	Total[d]
1936.....	93	52			4,445
1937.....	449	292	2,884	4,542	7,426
1938.....	2,541	2,010	19,771	4,304	24,075
1939.....	3,675	2,970	90,908	4,004	94,912
1940.....	3,829	3,080	142,969	4,678	147,647
1941.....	3,838	2,925	128,993	5,145	134,138
1942.....	2,016	1,179	101,837	4,753	106,590
1943.....	1,791	1,087[e]	77,586	4,674	82,256
1944: Jan..	127	78	6,426	357	6,783
Feb.....	130	86	6,030	361	6,391
Mar.....	113	69	6,315	389	6,704
Apr.....	138	88	5,983	357	6,340
May.....	127	79	6,216	398	6,614
June.....	176	111	5,897	366	6,263
July.....	214	122	6,023	352	6,375
Aug.....	188	112	6,137	402	6,539
Sept.....	201	135	5,889	372	6,261
Oct.....	178	104	6,141	378	6,519
Nov.....	199	127	5,906	369	6,275
Dec.....	200	124	5,983	366	6,349
Total....	1,991	1,235[f]	72,946	4,467	77,413

[a] Includes only oil or gas producers and dry holes.
[b] Production figures based on information furnished by oil companies and pipe-line companies.
[c] Includes Devonian production at Sandoval and Bartelso.
[d] From the U. S. Bureau of Mines.
[e] Includes 22 wells formerly dry holes.
[f] Includes 12 wells formerly dry holes.

wells were drilled during 1944 include Albion Consolidated (Edwards County), Bible Grove (Clay-Effingham Counties), Clay City Consolidated (Clay-Wayne Counties), Mt. Carmel (Wabash County), Noble (Richland-Clay Counties), and Phillipstown Consolidated (White County).

FEDERAL WELL-SPACING REGULATIONS

A change in the regulations of the Petroleum Administration for War governing well spacing in Illinois pools, which was put into effect in April of 1944,[1] is reflected in a decreased percentage of wildcat completions for the year as compared with 1943. Although the number of wells drilled for oil or gas increased from 1791 in 1943 to 1991 in 1944, the number of wildcat wells decreased from 461 wells to 430.

[1] Supplementary Order No. 5, as amended Apr. 19, 1944 to Petroleum Administrative Order No. 11, as amended Jan. 1, 1944. (Applicable to petroleum production operations in the Illinois basin.)

TABLE 4.—*Wildcat Wells Drilled in Illinois in* 1944

Method of Location	Number of Wells	Number of Producers	Percentage of Wells Successful
Geology.....	273	44	16.11
Seismograph.....	70	16	22.85
Geology and seismograph	21	4	19.04
Total scientific.....	364	64	17.58
Nonscientific.....	59	6	10.17
Unknown.....	7	0	0
Total.....	430	70	16.27

The revised regulations permitted drilling of twice as many lime or deep sand wells per 40 acres as under earlier spacing patterns. The immediate effect was a tendency to drill additional wells in proved areas that had been developed on wider spacing patterns during the preceding two years. With drilling limited by the number of rigs and amount of material available, the amount of wildcatting necessarily decreased. By the end of the year the majority of these additional locations had been drilled.

ECONOMIC DATA

Posted prices for Illinois crude oil in 1944 remained $1.37 for the central basin fields, Salem area, and Griffin area, and $1.22 per barrel for oil in the old Southeastern Illinois fields. The value of crude oil produced in Illinois during 1944, exclusive of premium payments, amounted to approximately $105,385,760.

The Office of Price Administration's stripper-well premium plan provided that price premiums should be paid, beginning Aug. 1, 1944, for production from pools that had an average production per well per day in December 1943 of less than 9 bbl., in accordance with the following schedule:

Average Production per Well per Day in December 1943	Added Price per Barrel, Cents
From 7 to 9 bbl.	20
From 5 to 7 bbl.	25
Less than 5 bbl.	35

The premium is paid by the Defense Supplies Corporation to the oil purchasers, who add the amount of the premium to the regular price paid to the producers. Federal premiums were granted in a total of 54 pools between Aug. 1 and Dec. 31, 1944.

Total footage of wells drilled for oil or gas in Illinois during 1944 was 5,185,408 ft. Of this amount 3,194,316 ft. was drilled in producing wells. On the basis of an estimated average cost of $3.50 per foot of drilling, the total cost of drilling was about $18,150,000. A total of 1,073,714 ft. was drilled in the 430 wildcats completed during the year. Using the same estimated figure of $3.50 per foot, the cost of wildcat drilling amounted to $3,760,000. The average depth of all wells completed in the state in 1944 was 2604 ft, as compared with 2573 in 1943.

TABLE 5.—*Summary of Drilling and Initial Production in Illinois for* 1944[a]

County	Number of Wells Drilled in 1944			Total Initial Production		Footage Drilled in 1944	
	Total Completions	Total Producing		Oil, Bbl.	Gas, Millions Cu. Ft.	Total	Producing Wells
		Oil	Gas				
Bond	18	7	0	172	0	28,148	7,900
Clark	22	9	0	67	0	17,738	3,948
Clay	176	135	0	10,635	0	465,805	347,095
Clinton	19	1	0	6	0	29,560	974
Coles	14	10	0	295	0	22,984	17,023
Crawford	5	1	1	5	0.5	9,130	1,800
Cumberland	6	1	0	15	0	7,645	356
Douglas	2	0	0	0	0	4,985	0
Edwards	143	95	0	13,462	0	425,590	272,180
Effingham	38	15	0	897	0	96,120	37,810
Fayette	19	1	0	30	0	38,206	1,557
Ford	1	0	0	0	0	2,237	0
Franklin	50	23	0	1,269	0	130,221	55,179
Gallatin	42	25	0	2,264	0	100,069	54,781
Greene	2	0	0	0	0	2,210	0
Hamilton	111	66	0	5,912	0	361,780	209,397
Hancock	2	0	0	0	0	3,950	0
Henderson	9	0	0	0	0	4,794	0
Jackson	2	0	0	0	0	5,916	0
Jasper	18	5	0	479	0	52,684	14,871
Jefferson	142	88	0	12,101	0	366,695	214,734
Kendall	1	0	0	0	0	2,328	0
Lawrence	57	20	3	526	3.675	110,478	38,294
McDonough	3	0	0	0	0	2,411	0
Macoupin	3	1	0	8	0	3,124	469
Madison	51	38	0	5,251	0	101,318	74,723
Marion	46	26	0	873	0	90,634	42,901
Monroe	2	0	0	0	0	1,418	0
Montgomery	11	3	0	16	0	11,975	1,932
Perry	5	0	0	0	0	8,580	0
Pike	2	0	0	0	0	3,807	0
Randolph	3	0	0	0	0	1,634	0
Richland	111	74	1	23,904	1.771	338,700	226,297
St. Clair	12	4	0	177	0	11,088	2,728
Saline	6	1	0	7	0	12,493	1,520
Schuyler	4	0	0	0	0	2,852	0
Shelby	5	0	0	0	0	8,464	0
Union	1	0	0	0	0	1,949	0
Wabash	201	136	1	12,175	1.00	456,341	307,859
Washington	13	4	0	101	0	19,375	5,442
Wayne	330	242	0	35,235	0	1,042,562	760,442
White	277	186	0	20,453	0	759,581	492,104
Will	1	0	0	0	0	1,958	0
Williamson	4	0	0	0	0	9,041	0
	1,991	1,217	6	146,335	6.946	5,185,408	3,194,316

[a] Does not include input wells, salt-water disposal wells, or old wells worked over.

TABLE 6.—*Fields with Wells Producing from More than One Formation*

Field	County	Total Number of Combination Wells	Number of Wells and Producing Formations[a]
Flora	Clay	3	3AM
Iola	Clay	28	1TA, 2CPBA, 10CBA, 1CA, 1PBA, 11BA 1BReA, 1RM
Kenner	Clay	1	1BA
Sailor Springs Consolidated	Clay	4	3TC, 1GC
Clay City Consolidated	Clay, Wayne	97	1CB, 1CAM, 3CR, 6CM, 1CA, 2AL, 1AR, 1ALM, 8ARM, 44AM, 3LM, 26RM
Albion Consolidated	Edwards	30	2BrBi, 1BrDA, 2BrH, 1BrA, 1BiWTM, 1BiWReA, 1BiWReM, 8BiW, 1BiWRe, 1BiWLM, 2WReA, 1WBA, 1WReAM, 1WReM, 1WReB, 1BA, 1BRe, 1BReA, 1ReA, 1ReAM
Albion East	Edwards	3	1CAM, 1PB, 1LM
Cowling	Edwards	2	2CB
Browns	Edwards	6	1CB, 1CBM, 4CM
Ellery	Edwards	1	1AM
Grayville	Edwards, White	1	1PaC
Louden	Fayette, Effingham	664	253CP, 148CB, 209CPB, 65PB
Benton North	Franklin	2	1PA, 1AL
Sesser	Franklin	1	1RM
Whittington	Franklin	1	1 St. M.
Inman East	Gallatin	16	1DCl, 1ClPa, 3ClT, 1PaW, 1PaWT, 2PaT, 2WT, 1WTC, 2WC, 2TC
Inman West	Gallatin	6	5TC, 1TCM
Omaha	Gallatin	3	3PaT
Blairsville	Hamilton	2	1AM, 1ALM
Dale-Hoodville	Hamilton	99	5TC, 1TA, 1CA, 1PA, 86BA, 2BM, 1ARM, 2AM
Rural Hill	Hamilton	71	1CPAL, 1CAL, 21AL, 1AR, 15ALM, 30AM, 2LR
Boos North	Jasper	6	6RM
Boyd	Jefferson	6	6BA
Coil West	Jefferson	4	1AL, 1ALM, 1LRM, 1LM
Divide West	Jefferson	1	1LM
King	Jefferson	2	1AL, 1ALRM
Mt. Vernon	Jefferson	1	1LM
Roaches	Jefferson	3	3RM
Roaches North	Jefferson	1	1BR
Woodlawn	Jefferson	1	1CB
Salem	Marion	951	580BA, 2BAMS, 5BM, 2BMS, 1RM, 308MS, 3MD, 49DTr, 1SD
Calhoun North	Richland	1	1RM
Noble	Richland, Clay	5	5CM
Parkersburg Consolidated	Richland, Edwards	6	6CM
Dundas Consolidated	Richland, Jasper	16	1CM, 2AM, 13RM
Keensburg Consolidated	Wabash	26	4BiT, 3BiC, 2BiA, 10CB, 1CP, 1CBA, 1CA, 2BA, 2AM
Maud	Wabash	2	2WM
Mt. Carmel	Wabash	34	1PeT, 1PeC, 1JC, 8BiC, 3BiCM, 1PeM, 5TC, 2CB, 9CM, 1LM, 2RM
Patton West	Wabash	1	1CL
Lancaster	Wabash, Lawrence	1	1LM
Irvington	Washington	3	2CB, 1BA
Boyleston Consolidated	Wayne	9	3AM, 5LM, 1RM
Cisne	Wayne	15	4AM, 7ARM, 1LM, 3RM
Goldengate Consolidated	Wayne	13	5AM, 5LR, 2LRM, 1LM
Johnsonville	Wayne	45	1AL, 6ALM, 1ALRM, 30AM, 7LM
Johnsonville North	Wayne	1	1LM
Mt. Erie South	Wayne	2	2AM
Sims	Wayne	13	13AM
Sims North	Wayne	8	4ALM, 4LM
Aden Consolidated	Wayne-Hamilton	17	6ALM, 1AR, 2ARM, 8AM
Burnt Prairie	White	2	2AM
Calvin North	White	1	1PePa
Carmi North	White	1	1CA
Centerville East	White	2	1TL, 1TCM
Concord	White	5	2TM, 3CM
Herald	White	2	1TA, 1CA
Iron	White	4	3TH, 1CB
Maunie North	White	4	1CB, 1PA, 2BA
Maunie South	White	3	1BrC, 2PT
New Harmony	White	193	1PeBA, 1BiCA, 6WCBA, 2WC, 2WB, 2WCBAM, 9WCB, 1WM, 1WBM, 1WCA, 1WT, 1WTC, 1WBA, 1TPB, 1TB, 1TCM, 1TM, 2TC, 1TA, 1TP, 1TPC, 5CP, 7CBM, 13CBAM, 33CB, 1CM, 1CPM, 13CA, 1CPB, 1CPBAM, 2CPA, 10CBA, 14PA, 1PAR, 32PB, 15BA, 1BM, 5AM, 1RM

TABLE 6.—(*Continued*)

Field	County	Total Number of Combination Wells	Number of Wells and Producing Formations[a]
New Haven	White	4	4TCB
Phillipstown Consolidated	White	11	1BiCA, 3ClT, 1PeT, 1CBA, 1CAM, 2BA, 1PaB, 1BRM
Stokes	White	11	2TP, 1TA, 2CP, 3CB, 2CA, 1PA
Roland	White, Gallatin	40	9WB, 2WP, 1WCPA, 1WCP, 1TC, 6CB, 4CA, 2CBA, 1CALM, 3BA, 1BAM, 9WA
Mill Shoals	White, Hamilton Wayne	4	3AL, 1LR
		2,522	

[a] Names of sands are indicated as follows:

Pe, Pennsylvanian	D, Degonia	H, Hardinsburg	A, Aux Vases	St., St. Louis
Br, Bridgeport	Cl, Clore	C, Cypress	L, Levias	S, Salem
Bi, Biehl	W, Waltersburg	P, Paint Creek	R, Rosiclare	D, Devonian
J, Jordan	T, Tar Springs	B, Bethel	M, McClosky	Tr, Trenton
Pa, Palestine	G, Glen Dean	Re, Renault		

PIPE LINES

Construction of pipe lines in Illinois during 1944 was confined to two trunk lines carrying refined products, and to several short spurs serving primarily to connect new pools to pre-existing lines as shown in the detailed statement below.

Crude Oil

Central Pipe Line Co.—2 miles 4-in., Dupo field to S. and D. refinery, Dupo, St. Clair County; 2 miles 2-in., Ewing pool south to loading racks on paved highway, Franklin County.

Kingwood-Breuil Consolidated Pipe Line Co.—1 mile 4-in., Boyd field to Texas Company's 6-in. Woodlawn-Salem line, Jefferson County.

Ohio Oil Co.—2½ miles 14-in., Wood River Station to the Allied Pipe Line Co. dock on the Mississippi River, Madison County.

Sohio Pipe Line Co.—5 miles 2-in., Dahlgren field to Mayberry field, connecting through Texas Company's 4-in. feeder to Texas Hoodville-Johnsonville line, Hamilton and Wayne Counties; 2½ miles 4-in., south part of Albion field to Ohio's Albion station, Edwards County; 2½ miles 4-in., New Haven West field to Sohio's Inman line, Gallatin County; 6 miles 3-in., Calhoun field to Olney, Richland County; 6 miles 4-in., Bogota field to Pure Oil's Dundas-Noble line, Jasper County; 2 miles 4-in., Marine pool to Magnolia 10-in., Madison County.

Superior Oil Co.—3 miles 4-in., Brown's pool to Sohio line in Albion, Edwards County.

The Texas Pipe Line Co.—6 miles 4-in., Roaches North field to Woodlawn station, Jefferson County.

Refined Products

Ohio Oil Co.—8 miles (in Illinois) 8-in., Robinson refinery, Crawford County, to Indianapolis, Ind.

The Texas Pipe Line Co.—34 miles 6-in., Lockport refinery, Cook County, Ill., to E. Chicago, Ind.

REFINERIES

No new refineries were constructed in Illinois during 1944. Total daily refinery capacity was about 300,000 barrels.

TABLE 7.—*Natural Gas Produced in Illinois and Marketed in* 1944

Field	County	Where Marketed	Amount Marketed, M Cu. Ft.
Russellville (gas)	Lawrence	Illinois, Indiana, Kentucky	600,000
Ayers (gas)	Bond	Greenville, Ill.	15,000
Salem	Marion	Salem, Ill.	180,000
Louden	Fayette	Vandalia, St. Elmo, Brownstown, Ill.	545,000
			1,340,000

During 1944, Illinois crude-oil production amounted to 23.4 per cent of the runs to stills for refineries in the Central Refining District (Illinois, Indiana, Kentucky, Michigan, and western Ohio) and the Appalachian Refining District (eastern Ohio, western New York, western Pennsylvania and West Virginia). For December

1944, the runs to stills in these two districts were 25,891,000 bbl. Illinois production amounted to 24.5 per cent.

Stocks of crude petroleum on hand in Illinois on Dec. 31, 1944, were 14,390,000 bbl. as compared with 14,053,000 bbl. on Dec. 31, 1943. Stocks of refined products in the Central and Appalachian refining districts compared with 1943, according to the U. S. Bureau of Mines, are as follows:

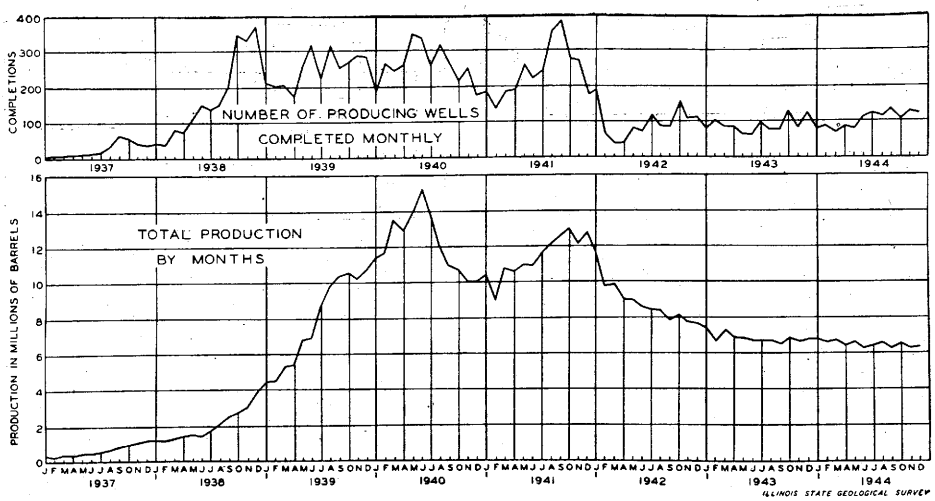

FIG. 1.—NUMBER OF PRODUCING WELLS COMPLETED MONTHLY AND OIL PRODUCTION BY MONTHS IN ILLINOIS, 1937–1944.

PRODUCT	DEC. 31, 1944, BBL.	DEC. 31, 1943, BBL.
Gasoline	21,403,000	18,514,000
Kerosene	2,417,000	2,622,000
Gas oil and distillate fuel	6,616,000	6,947,000
Residual fuel oil	3,293,000	3,307,000

NATURAL GAS, NATURAL GASOLINE AND LIQUEFIED PETROLEUM GASES

The total gas production of all Illinois oil and gas fields in 1944 is estimated at 45 to 60 billion cubic feet. Of this amount a little over one per cent is produced from gas fields or from gas wells in oil fields, and somewhat over 2 per cent is sold to industrial or domestic users. Table 7 indicates the source and disposal of this commercially marketed gas.

Approximately 22 billion cubic feet of gas from oil wells in the Benton, Dale-Hoodville, Louden, New Harmony, Salem, and Southeastern fields was utilized in 1944 in natural gasoline plants to produce 64,500,000 gal. of natural gasoline and 136,000,000 gal. of liquefied petroleum gases. Of 15 to 17 billion cubic feet of residue gas from these operations, approximately half was returned to the producing formations, one third was utilized as fuel in the plants or on leases, 725 million cubic feet was marketed commercially, and somewhat over two billion cubic feet was burned in flares. Well over half of the unmetered gas produced in fields without pipe-line connections or natural gasoline plants is used as lease fuel. It seems likely that considerably less than one sixth of all the gas produced in Illinois in 1944 was allowed to escape or was burned in flares without being utilized.

SECONDARY RECOVERY

In the Patoka pool the break in the rate of decline and the subsequent increase in production from 298,000 bbl. in 1943 to 630,000 bbl. in 1944 can be attributed primarily to the water-flooding project

begun by the Felmont Corporation in 1943. During 1944, injection of 1,377,000 bbl. of water to the Bethel sand through 30 injection wells resulted in an estimated increased production of 470,000 bbl. of oil.

In the Clay City Consolidated pool the Pure Oil Co. injected 1,413,000 bbl. of water into the McClosky through a number of wells, varying from three at the beginning of the year to eight and finally seven at the end of the year. The result was an increase of 85,500 bbl. of oil during the year. The cumulative increased production in this operation by the end of the year was estimated at 146,000 bbl. The same company in 1944 began a flood through eight McClosky input wells in Dundas Consolidated pool, injecting 1,489,000

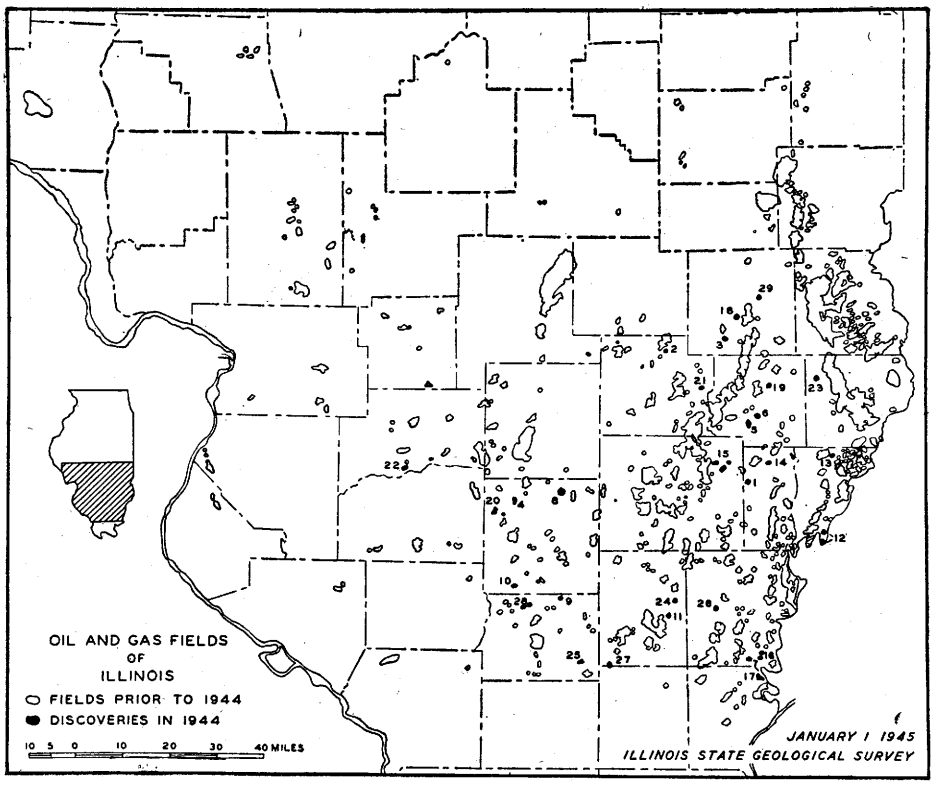

FIG. 2.—INDEX MAP OF NEW OIL FIELDS DISCOVERED IN ILLINOIS IN 1944.
Older fields are also shown except Colmar-Plymouth, in McDonough and Hancock Counties, which is outside of the area of the map.

1. Bennington South
2. Bible Grove East
3. Bogota South
4. Boyd
5. Calhoun
6. Calhoun North
7. Concord South
8. Divide West
9. Ewing
10. Fitzgerrell
11. Hoodville East
12. Keensburg South
13. Lancaster East
14. Maplegrove East
15. Mt. Erie North
16. New Haven North
17. New Haven West
18. Newton
19. Olney East
20. Roaches North
21. Sailor Springs East
22. Santa Fe
23. Sumner
24. Thackeray
25. Thompsonville North
26. Trumbull
27. West End
28. Whittington West (discovered in 1943; named 2/3/44)
29. Willow Hill

bbl. of water, with a resultant production increase of 83,800 bbl. Injection of 59,000 bbl., begun in 1944 through one well in the townsite area of Noble Consolidated pool, had resulted in an increased production of 369 bbl. by the end of the year. It is noteworthy that all of these flooding projects by the Pure Oil Co. are in a limestone rather than a sandstone producing zone.

The Forest Oil Corporation's flooding operation in the Westfield pool, Clark County, was abandoned July 1, 1944, after injection of 573,000 bbl. of water had failed to induce commercial production. This company's second flood, in the Siggins pool in Cumberland County, begun in 1942, was continued and had a cumulative production of 31,000 bbl. at the end of 1944, all from flowing wells, after the injection of 923,000 bbl. of water. Their third flood, on a lease adjoining the second, was begun in 1944 with a wider spacing pattern and with the producing wells pumped rather than flowed. Although this work was barely started in 1944, it had produced 35,000 bbl. of oil by Dec. 31, with injection of 305,000 bbl. of water through three injection wells. These projects are operating in shallow Pennsylvanian sands.

Minor water-flooding projects and accidental flooding due to faulty plugging of abandoned wells have arrested decline curves or increased production on certain leases in a number of pools, including Allendale (Wabash and Lawrence Counties); Keensburg Consolidated (Wabash County); Lawrence (Lawrence County); the Crawford County division; and in Centralia (Marion and Clinton Counties).

The extensive long-term gas-recycling and pressure-maintenance projects in Salem, Louden, and New Harmony Consolidated remain successful in partially arresting the rate of production decline. The total increased production, although very large, is from the nature of this type of operation difficult to estimate. The Louden project, begun early in the history of the pool, has maintained pressure so successfully that 161 wells are still flowing, after seven years. In this pool approximately five million cubic feet of gas is injected daily through 98 input wells. As a result of the success of these projects, a number of similar operations have been started during 1944 in Illinois basin pools. The pools involved in these newer operations include Dale-Hoodville, Rural Hill, Mt. Carmel, Walpole, and Benton.

Repressuring projects in several of the older fields, using injection of air, gas, or air and gas simultaneously, were begun at various times in the history of the field and estimates of increased production are available. In a project begun in 1935 in the Colmar-Plymouth field, injection of 312 million cubic feet of air through 65 wells in 1944 resulted in an increased production of 57,000 bbl. The cumulative increase per acre in this project over a 16-yr. period has amounted to approximately 500 bbl. Summary of a number of projects in Crawford County indicates that approximately 1,300,000,000 cu. ft. of air and gas was injected in 1944 through 280 wells, 90 of which were converted or drilled during the year. Considerable extensions to the areas being repressured in the Southeastern field are being planned for the near future.

Outlook for 1945

Drilling in Illinois is expected to continue in 1945 at nearly the same rate as in 1944, with probably some increase in wildcat drilling. During 1945 and 1946 a considerable number of 10-yr. leases will expire unless renewed or unless production is discovered on them. Continued demand for oil in this region for both military and civilian uses will encourage production by all possible methods, including both attempts to discover new pools and expansion of secondary recovery.

Increased costs of drilling, and shortage of equipment and manpower are factors

that limit the rate of drilling development. Since May 21, 1941, the price of crude oil has been frozen, but since that time drilling and production costs have risen sharply. The price premium for stripper well production is of some help but it does not meet the situation.

Geological data from thousands of wells in Illinois reveal a different picture of the oil reservoirs than was available two or three years ago. Production is from many small lenticular reservoirs, and many producing structures are so small as to be near the limits of error of the reflection seismograph. This means that, aside from the possibility of pre-Mississippian production in Illinois, wildcat drilling for Mississippian and Pennsylvanian sands will continue in Illinois for many years, and that many more pools, extensions, and new pays remain to be discovered and developed. This and the expansion of secondary recovery of oil promise well for the future of the oil industry in this region.

Acknowledgments

The writers are indebted to many oil and gas companies, pipe-line companies, and refining companies for data used in this report. The following members of the Survey staff assisted in preparing the report: Carl A. Bays, Frederick Squires, David H. Swann, Wayne F. Meents, James S. Yolton, and Margaret Sands.

FOOTNOTES TO COLUMN HEADINGS—TABLE I

[a] All fields to be listed alphabetically and if by counties the latter also in alphabetical order. If the field is a gas field, or is primarily a gas-producing field, indicate by asterisk immediately after the name of the field, as, for example, Katy,* *Waller*.

[b,d] Total area in surface acres in the field proved for production.

[c] Total production in barrels of oil and/or distillate or condensate; and show by footnote, where possible, the amount of distillate or condensate production.

[e] Volume of gas produced from the field and not returned to the reservoir.

[f] Include all original completions, but exclude workovers and wells deepened or plugged back. *Abandoned* refers only to wells abandoned after having produced oil and/or gas and is not to include wells abandoned without having secured production.

[g] A well producing both oil and gas is classified as an oil well, unless it has been designated as a gas well by the State regulatory agency. Gas wells are wells producing gas only, wells producing condensate or distillate, and wells producing some oil but classified as gas wells by the State regulatory agency.

[h] Show type of operation as indicated by the following symbols: P, pressure maintenance; G, gas injection; W, water injection; C, cycling.

[i] Show weighted average gravity A.P.I. at 60°F. as oil is delivered to the pipe lines, and percentage of sulphur, if any, in the oil. Where oils from more than one stratum are commingled and delivered into the pipe line at a gravity of 26 to 26.9, show as 26°, etc.

[j] Show name of producing formation, and show its age by abbreviation as follows: Cam, Cambrian; Ord, Ordovician; Sil, Silurian; Dev, Devonian; Mis, Mississippian; MisL, Lower Mississippian; MisU, Upper Mississippian; Pen, Pennsylvanian; Per, Permian; Tri, Triassic; Jur, Jurassic; CreL, Lower Cretaceous; CreU, Upper Cretaceous; Eoc, Eocene; Olig, Oligocene; Mio, Miocene; Pli, Pliocene.

[k] Show character of formation by code letter as follows: A, anhydrite; C, chalk; Cg, conglomerate; Ch, chert; CR, cap rock; D, dolomite; Da, arkosic dolomite; Gw, granite wash; Sh, shale; L, limestone; LS, limestone, sandy; OL, oölitic limestone; S, sandstone.

[l] Figures represent ratio of pore space to total volume of net reservoir rock expressed in per cent. P indicates reservoir rock is of porous type, but ratio is not known by the author. Cav indicates that the reservoir rock is of cavernous type; and Fis, fissure type.

[m] Show actual depth to top of producing stratum. If producing zone is a series of interbedded sands and shales, and the sands are all productive or capable of producing, show the depth to top of top sand member.

[n] Show actual average thickness that is producing or known to be productive. If, for example, average thickness of productive zone above water level is 50 feet, show 50 feet, even though wells are completed in only upper 10 or 15 feet of zone.

[o] A, anticlinal; AF, anticlinal with faulting as important factor; Af, anticlinal with faulting as minor factor; AM, accumulation due to both anticlinal and monoclinal structure; D, dome; DS, salt dome; H, strata are horizontal or nearly horizontal; MC, monocline with accumulation due to change in character of stratum; MF, monocline-fault; MI, monocline with accumulation against igneous barrier; ML, monocline-lens; MU, monocline-unconformity; MP, monocline with accumulation due to sealing at outcrop by asphalt; N, nose; S, syncline; T, terrace; TF, terrace with faulting as important factor.

[p] Show name of deepest stratigraphic zone tested and total depth of well which tested such zone, whether it is deepest well in field or not.

x Correct entry not determinable.

Printed in U. S. A.