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Oil and Gas Development in Illinois in 1945

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IN 1945, Illinois produced 75,210,000 bbl. of oil, or 4.4 per cent of the total for the United States, and ranked sixth in the nation in oil production for the third consecutive year. Production decreased about 3 per cent from that of 1944, when the total Illinois production was 77,413,000 bbl. This is the smallest percentage of decrease in production in the state for any year since a peak was reached in 1940. Daily average production for 1945 was approximately 206,000 bbl. Daily averages by months were as follows:

MONTH	BARRELS	MONTH	BARRELS
Jan.....	205,000	July.....	207,000
Feb.....	210,000	Aug.....	208,000
Mar.....	206,000	Sept.....	192,000
Apr.....	205,000	Oct.....	206,000
May.....	209,000	Nov.....	209,000
June.....	207,000	Dec.....	208,000

Decreased production during September was due to refinery shutdowns caused by a strike, which caused many wells to be shut down for lack of room in storage tanks.

During the year, 1763 wells were drilled for oil or gas as compared with 1991 in 1944, a decrease of about 12 per cent. In addition, 14 completions of salt-water disposal wells and three of gas-input wells were reported. These numbers are short of the number of wells actually drilled for salt-water disposal and for secondary recovery operations, but the total figures for wells of these types are not available. Of the 1763 wells drilled for oil and gas, 1079 were oil wells

and 684 were dry holes. No gas well was completed during 1945. Producing wells made up 61 per cent of the wells completed, as in 1944.

Data on production and drilling by fields are given in Table 1, on annual production and drilling for Illinois in Table 3, and on drilling in 1945 by counties in Table 5.

DISCOVERIES

Twenty-six fields (Table 2A), 47 extensions to fields (Table 2B), and 26 new producing zones in fields (Table 2C) were discovered in 16 counties in Illinois during 1945. Of the 26 new fields, one was abandoned during the year. The three new fields with the greatest number of producing wells at the end of 1945 were Brownsville with 32 wells, Odin with 21, and Stanford with 9. In all, 97 wells were producing in the new fields on Dec. 27, 1945, as compared with 109 wells producing at the end of 1944 from the 28 new fields discovered during that year.

The average initial production of the discovery wells of new fields decreased from 129 bbl. of oil for 1944 to 110 bbl. for 1945 and increased from 11 bbl. of salt water for 1944 to 25 bbl. for 1945.

In fields discovered since 1936, the total number of wells producing at the end of 1945 was 13,432.

EXPLORATORY DRILLING

Of the total number of wells drilled during 1945, wildcats accounted for 460 (or 26 per cent), (Table 4). Of this number 73 (or 16 per cent) were successful in obtaining

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TABLE I.—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 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
1	Warrenton-Borton, Edgar.....	1906	100	30,000	0		0	22	0	0	
2	Westfield, Clark, Coles.....	1904	9,075	x	x	x	x	1,631	1	1	
3			9,025	x	x	x	x	189	1	1	
4			9,000	x	x	x	x	1,449	0	0	
5			220	x	x	x	x	13	0	0	
6	Siggins, Cumberland, Clark.....	1906	3,685	x	137,000	x	x	999	2	1	
7			3,190	x	x	x	x	857	2	1	
8			450	x	x	x	x	90	0	0	
9			960	x	x	x	x	193	0	0	
10	York, Cumberland, Clark.....	1907 ²	350	x	0	x	x	70	0	0	
11	Casey, Clark.....	1906	1,980	x	x	x	x	535	0	0	
12			205	x	x	x	x	41	0	0	
13			400	x	x	x	x	82	0	0	
14			1,540	x	x	x	x	322	0	0	
15	Martinsville, Clark.....	1907	865	x	x	x	x	219	0	1	
16			35	x	x	x	x	7	0	0	
17			310	x	x	x	x	64	0	1	
18			710	x	x	x	x	23	0	0	
19			600	x	x	x	x	35	0	0	
20			640	x	x	x	x	40	0	0	
21			10	x	x	x	x	2	0	0	
22	Johnson North, Clark.....	1907	1,440	x	x	x	x	485	0	0	
23			1,115	x	x	x	x	296	0	0	
24			160	x	x	x	x	32	0	0	
25			825	x	x	x	x	177	0	0	
26			215	x	x	x	x	44	0	0	
27	Johnson South, Clark.....	1907	1,800	x	x	x	x	544	0	15	
28			190	x	x	x	x	38	0	0	
29			295	x	x	x	x	59	0	0	
30			1,710	x	x	x	x	411	0	0	
31			850	x	x	x	x	170	0	0	
32	Bellair, Crawford, Jasper.....	1907	1,305	x	x	x	x	486	0	10	
33			1,165	x	x	x	x	310	0	3	
34			315	x	x	x	x	65	0	7	
35			910	x	x	x	x	182	0	0	
36	Clark County Division ³		20,500	54,693,000	451,000	x	x	4,969	3	28	
37	Main, ⁴ Crawford.....	1906	35,650	x	x	x	x	7,325	1	204	
38			340	x	x	x	x	69	1	x	
39			34,305	x	x	x	x	7,143	0	x	
40			1,000	x	x	x	x	108	0	0	
41			10	x	x	x	x	1	0	0	
42	New Hebron, Crawford.....	1909	1,560	x	x	x	x	297	0	0	
43	Chapman, Crawford.....	1914	1,560	x	x	x	x	193	0	0	
44	Parker, Crawford.....	1907	1,340	x	x	x	x	256	0	0	
45	Allison-Weger, Crawford.....	x	1,100	x	x	x	x	149	0	0	
46	Fiat Rock, ⁷ Crawford.....	x	1,920	x	x	x	x	200	0	0	
47	Birds, Crawford, Lawrence.....	x	4,485	x	x	x	x	685	1	1	
48	Crawford County Division ⁸		47,615	152,517,000	1,281,000	x	x	9,195	2	205	
49	Lawrence, Lawrence, Crawford.....	1906	25,800	x	x	x	x	4,440	2	163	
50			60	x	x	x	x	7	0	x	
51			5,050	x	x	x	x	1,233	0	x	
52			2,240	x	x	x	x	481	0	x	
53			1,440	x	x	x	x	243	0	x	
54			16,180	x	x	x	x	3,017	0	x	
55			4,300	x	x	x	x	707	0	x	
56			x	x	x	0	0				
57			x	x	x	0	0				

^a Footnotes to column heads and explanation of symbols are seen on page 43.

² Abandoned 1945.

³ Total of lines 2, 6, 10, 11, 15, 22, 27, 32.

⁴ Includes Kibbie, Oblong, Robinson and Hardinsville.

⁷ Includes Swearingen gas.

⁸ Total of lines 37, 42, 43, 44, 45, 46, 47.

TABLE 1.—(Continued)

Line Number	Wells Producing ² Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ⁵	Character of Oil ¹	Producing Formation							Deepest Zone Tested ⁶ to End of 1945			
	Oil ¹					Secondary Recovery ⁴	Gravity A.P.I. at 60°F. ⁵	Sulphur, Per Cent	Name and Age ³	Character ⁷	Porosity, Per Cent ¹	Depth to Top of Producing Zone, Ft. ⁸	Productive Thickness, Ave. Ft., Net	Structure ⁹	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas													
1	0		0		W	34.0		Unnamed; Pen	S	P	159		ML	"Trenton" St. Peter	2,212 3,009	
2	0	290	0	293±		34.0				P	281	40	D			
3	0		0			30.0		Shallow Gas; Pen	S	P	334		DC			
4	0		0			33.5		Westfield; MisL	S	Cav	2,265		D	Dev	2,010	
5	0		0			38.2	0.18	"Trenton"; Ord	L	Cav			D			
6	0	827	0		W	33.0		First Siggins; Pen	S	P	367		D			
7	0		0			34.0		2nd and 3rd Siggins; Pen	S	P	478		D	Pen MisL	960 808	
8	0		0			(33.6)				P	556	40	D			
9	0		0			(25.7)		Lower Siggins; Pen	S	P	588		AM			
10	0		0			(30.3)		York; Pen	S	P	263		AM	St. Peter	3,411	
11	0	485	0		P	29.2				P	309		AM			
12	0		0			(31.9)		Upper Gas; Pen	S	P	444	40	AM			
13	0		0			(30.1)		Lower Gas; Pen	S	P	255		D	St. Peter	3,411	
14	0		0			(33.6)		Casey; Pen	S	P	500		D			
15	0	113	0			36.8				P	477		D			
16	0		0					Shallow; Pen	S	P	1,340		D	MisU	965	
17	0		0					Casey; Pen	S	P	1,550		D			
18	0		0			(38.9)		Martinsville; MisL	L	P	2,700		AM			
19	0		0					Carper; MisL	S	P	416		AM	Dev	2,030	
20	0		0			(39.6)		"Niagaran"; Dev	L	Cav	314		AM			
21	0		0					"Trenton"; Ord	L	Cav	465		AM			
22	0	432	0			31.0				P	535		AM	Dev	2,030	
23	0		0					Claypool; Pen	S	P	392		AM			
24	0		0					Shallow; Pen	S	P	453		AM			
25	0		0					Casey; Pen	S	P	489		AM	MisL	1,471	
26	0		0					Upper Partlow; Pen	S	P	598		AM			
27	0	433	0		P	32.2				P	561		AM			
28	0		0					Claypool; Pen	S	P	817		AM	St. Peter St. Peter	3,411 4,654	
29	0		0					Casey; Pen	S	P	886		AM			
30	0		0			28.5		Upper Partlow; Pen	S	P			AM			
31	0		0			33.7		Lower Partlow; Pen	S	P	508		ML	Mis	2,056	
32	0	361	0		P	(32.4)		"500 ft"; Pen	S	P	900	25	ML			
33	0		0					"800 ft"; Pen	S	P	1,337		A, ML			
34	0		0					"900 ft"; MisU	S	P	2,794	11	ML	Mis	2,279	
35	0		0			(37.0)				P	940	25	ML			
36	0	2,941	0		G	33.0				P	995	25	ML			
37	0	4,239	0	425±				Shallow; Pen	S	P	1,000	25	ML	Pen	1,227	
38	0		0			32.8		Robinson; Pen	S	P	312	20	ML			
39	0		0					Oblong; MisL	SL	P	935		ML			
40	0		0					Devonian; Dev	L	P	930	28	ML	MisL St. Peter St. Peter	1,731 4,654 5,190	
41	0	1	0		P	30.1		Robinson; Pen	S	P	290		A			
42	0	142	0					Robinson; Pen	S	P	800	40	A			
43	0	60	0					Robinson; Pen	S	P	1,250	15	A	Pen	1,041	
44	0	199	0		P	29.5		Robinson; Pen	S	P	1,400	30	A			
45	0	54	0			22.5		Robinson; Pen	S	P	1,560	20	A			
46	0	112	0			31.8		Robinson; Pen	S	P	1,980		M	Dev MisL St. Peter	3,110 1,731 4,654	
47	0	338	0		P	31.8		Robinson; Pen	S	P	930	28	ML			
48	0	5,144	0	650±		32.9				P			A			
49	0	2,766	0	650±				Pennsylvanian; Pen	S	P	290		A	St. Peter	5,190	
50	0		0					Bridgeport; Pen	S	P	800	40	A			
51	0		0					Buchanan; Pen	S	P	1,250	15	A			
52	0		0					"Gas"; MisU	S	P	1,330	15	A	A	1,041	
53	0		0					Kirkwood; MisU	S	P	1,400	30	A			
54	0		0	600±				Tracey; MisU	S	P	1,560	20	A			
55	0		0	650±				Aux Vases; MisU ⁹	S	P	1,980		M	MC		
56	0		0					Lower O'Hara; MisL ⁹	L	P	2,022					
57	0		0													

¹ Discrepancies between numbers of original completions and present producing wells in various pays are due to reworking of wells.
² Pressures in Southeastern Illinois oil fields are estimated bottom-hole pressures reported in previous Survey publications.
³ 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 parenthesis are for particular samples (see Ill. State Geological Survey Bull. 54, Table 3). The values have been converted from Baume to A.P.I. gravities.
⁴ Producing in combination wells only.

TABLE I.—(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.		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
58			x	x		0		1	1	0	
59			6,960	x	x	x	x	961	1	x	
60	St. Francisville, Lawrence	x	420	x	x	x	x	55	0	0	
61	Lawrence County Division ¹⁰		26,220	235,240,000	1,702,000	x	x	4,495	2	163	
62	Allendale, Wabash, Lawrence	1912	2,700	7,796,000	657,000	x	x	557	12	4	
63			x	x	x	x	x	x	x	x	
64			x	x	x	x	x	x	x	x	
65			x	x	x	x	x	476	3	x	
66			x	x	x	x	x				
67			x	x	x	x	x	6	2	0	
68			x	x	x	x	x	6	0	0	
69			x	x	x	x	x	17	3	1	
70			x	x	x	x	x	37	0	1	
71			x	x	x	x	x	x	x	0	
72			x	x	x	x	x	x	x	0	
73			x	x	x	x	x	x	x	0	
74	Total Southeastern Fields ¹²		97,135	450,246,000	4,091,000	x	x	19,238	19	400	
75	Ayers gas, Bond	1922	0	0	0	325	251.5	15.6	21	0	
76	Greenville gas, Bond	1910 ¹³	0	0	0	160	990.0	0	4	0	
77	Bartelo, Clinton	1936	580	1,596,000	117,000	0	0	73	0	1	
78			350	966,000	50,000	0	0	48	0	0	
79			230	630,000	87,000	0	0	25	0	0	
80	Carlyle, Clinton	1911	915	3,542,000	35,000	0	0	165	0	0	
81	Frogtown, Clinton	1918 ¹⁴	300	x	0	0	0	12	0	0	
82	Ava-Campbell Hill, Jackson	1917 ¹⁵	440	x	0	x	0	35	0	0	
83	Colmar-Plymouth, McDonough, Hancock	1914	2,470	3,206,000	107,000	0	0	490	4	2	
84	Carlinville, Macoupin	1909 ¹⁶	80	x	1,000	x	0	8	0	0	
85	Gillespie-Benld gas, Macoupin	1923 ¹⁷	0	x	0	80	135.8	0	4	0	
86	Gillespie-Wyen, Macoupin	1915	45	x	500	0	0	0	23	1	
87	Spanish Needle Creek gas, Macoupin	1915 ¹⁸	0	0	0	80	14.4	0	7	0	
88	Staunton gas, Macoupin	1916 ¹⁹	0	0	0	400	1,050.0	0	18	0	
89	Collinsville, Madison	1909 ²⁰	40	850	0	0	0	6	0	0	
90	Brown, Langewisch-Kuester, Junction City, Marion	1910	175	x	x	0	0	14	0	0	
91			60	x	x	0	0	7	0	0	
92			115	x	x	0	0	7	0	0	
93	Sandoval, Marion	1909	780	5,236,000	81,000	0	0	151	1	5	
94			770	2,709,000	1,000	0	0	123	0	1	
95			390	2,553,000	50,000	0	0	28	1	4	
96	Wamac, Marion, Clinton, Washington	1921	250	492,000	13,000	0	0	106	0	2	
97	Litchfield, Montgomery	1875 ²¹	100	23,000	0	0	0	13	0	0	
98	Waterloo, Monroe	1920 ²²	230	228,000	2,000	0	0	41	0	0	
99	Jacksonville gas, Morgan	1910 ²³	1,320	2,000	0	x	0	53	0	0	
100	Fittsfield gas, Pike	1886 ²⁴	0	0	0	8,960	0	68	0	0	
101	Sparta, Randolph	1888 ²⁵	165	x	0	x	0	20	0	0	
102	Dupo, St. Clair	1928	670	1,989,000	95,000	x	0	299	0	0	
103	Total of fields discovered prior to Jan. 1, 1937 ²⁶		105,695	465,732,000	4,371,000	10,005	2,441.7	15.6	20,874	25	

¹⁰ Total of lines 49 and 60.¹² Total of lines 1, 36, 48, 61, 62.¹³ Abandoned 1923.¹⁴ Abandoned 1933.¹⁵ Abandoned 1934.¹⁶ Abandoned 1925, revived 1942.¹⁷ Abandoned 1935.¹⁸ Abandoned 1934.¹⁹ Abandoned 1919.²⁰ Abandoned 1921.²¹ Abandoned 1904, revived 1942, abandoned 1944.²² Abandoned 1930, revived 1939.²³ Abandoned 1937.²⁴ Gas not used until 1905, abandoned 1930.²⁵ Abandoned 1900.²⁶ Total of lines 74 to 103 inclusive. Cumulative oil production total based on U. S. Bureau of Mines monthly report.

TABLE 1.—(Continued)

Line Number	Wells Producing ² Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ⁵		Character of Oil ¹		Producing Formation					Deepest Zone Tested ² to End of 1945			
	Flowing	Oil ¹		Initial	Avg./End 1945	Secondary Recovery ⁴	Gravity, A.P.I. at 60° F. ⁶	Sulphur, Per Cent	Name and Age ⁷	Character ⁸	Porosity, Per Cent ¹	Depth to Top of Producing Zone, Ft. ²	Productive Thickness, Avg. Ft., ² Net	Structure ⁹	Name	Depth of Hole Ft.
		Artificial Lift	Gas													
58	0	1	0	z	z	z	z	z	Rosiclare; MisL	SL	P	2,038	10	MC		
59	0	z	0	z	z	z	z	z	McClosky; MisL	L	P	1,700	10	A		
60	0	30	0	600	z	z	32.3	z	Bethel; MisU	S	P	1,843	22	ML	Mis	1,900
61	0	2,796	0	z	z	z	z	z							St. Peter	5,190
62	0	315	0	z	z	W	z	z							MisL	2,367
63	0	z	0	z	z	z	z	z	Bridgeport; Pen	z	P	1,069	12	AM		
64	0	z	0	z	z	z	z	z	Buchanan; Pen	z	P	1,290	15	AM		
65	0	158	0	z	z	z	35.1	z	Biehl; Pen	z	P	1,425	20	AM		
66	0	z	0	z	z	z	z	z	Jordan; Pen ⁹	z	P	1,490	10	AM		
67	0	3	0	z	z	z	z	z	Waltersburg; MisU	z	P	1,540	15	AL		
68	0	6	0	z	z	z	z	z	Tar Springs; MisU	z	P	1,600	20	AM		
69	0	16	0	z	z	z	z	z	Cypress; MisU	z	P	1,920	10	AM		
70	0	33	0	z	z	z	z	z	Bethel; MisU	z	P	2,010	10	AM		
71	0	9	0	900	z	z	z	z	McClosky; MisL	L	P	2,280	8	AM		
72	0	z	0	z	z	z	z	z	Rosiclare; MisL	SL	P	2,230	5	AM		
73	0	z	0	z	z	z	z	z	"							
74	0	11,196	z	z	z	z	z	z	Bethel; MisU	S	P	940	5	A	"Trenton"	3,044
75	0	0	9	335	z	z	z	z	Lindley (1st, 2nd);	S	P	927	z	A	Dev	2,290
76	0	0	0	z	z	z	z	z	MisU							
77	0	57	0	z	z	z	z	z						D	St. Peter	4,212
78	0	36	0	z	z	z	36.2	0.20	Carlyle; MisU	S	P	984	24	D		
79	0	21	0	z	z	z	41.5	0.27	Devonian; Dev	L	Cav	2,420	12	D		
80	0	26	0	z	z	z	35.2	0.26	Carlyle; MisU	z	P	1,035	20	A	St. Peter	4,120
81	0	0	0	z	z	z	31.9	z	Carlyle; MisU	z	P	950	7	A	Cypress	962
82	0	0	0	z	z	z	z	z	Cypress; MisU	z	P	780	18	A	Dev	2,530
83	0	230	0	z	z	W	37.6	0.38	Hoing; Dev	z	P	450	21	AL	"Trenton"	805
84	0	4	0	135	z	z	27.7	z	Unnamed; Pen	z	P	380	z	A	Pen	410
85	0	0	0	155	z	z	z	z	Unnamed; Pen	z	P	542	z	A	Pen	575
86	0	9	0	z	z	z	30.2	z	Unnamed; Pen	z	P	650	z	T	"Trenton"	2,560
87	0	0	0	z	z	z	z	z	Unnamed; Pen	z	P	305	z	D	Pen	495
88	0	0	0	145	z	z	z	z	Unnamed; Pen	z	P	461	z	A	"Trenton"	2,371
89	0	0	0	z	z	z	z	z	Dev-Sil	L	Cav	1,305	20	ML	St. Peter	2,177
90	0	7	0	z	z	z	z	z							Dev	3,344
91	0	z	0	z	z	z	32.0	z	Dykstra, Wilson; Pen	S	P	610	20	D		
92	0	z	0	z	z	z	32.0	z	Cypress; MisU	S	P	1,658	15	D		
93	0	18	0	z	z	z	z	z						D	St. Peter	5,023
94	0	8	0	z	z	z	34.5	z	Bethel; MisU	S	P	1,540	20	D		
95	0	10	0	z	z	z	38.0	0.38	Devonian; Dev	L	Cav	2,924	9	D		
96	0	18	0	z	z	z	30.2	z	Petro; Pen	S	P	720	20	D	MisL	1,760
97	0	0	0	z	z	z	23.0	0.42	Unnamed; Pen	L	P	664	z	D	Pen	651
98	0	4	0	z	z	z	30.2	0.97	"Trenton"; Ord	L	Cav	410	50	A	"Trenton"	845
99	0	0	0	z	z	z	z	z	Gas; Pen, MisL	S, SL	P	330	5	ML	"Trenton"	1,390
100	0	0	0	z	z	z	z	z	"Niagaran"; Sil	L	P	265	10	A	St. Peter	893
101	0	0	0	z	z	z	z	z	Cypress; MisU	S	P	850	7	D	MisU	985
102	0	88	0	z	z	z	32.7	0.70	"Trenton"; Ord	L	Cav	561	50	A	New Richmond	1,800
103	0	11,657	z	z	z	z	z	z								

¹¹ Wells producing from more than one sand, see Table 6.

TABLE I.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^b		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
104	Aden Consolidated, Wayne, Hamilton	1938	1,860	4,813,000	390,000		0	0	91	0	0
105			x	x	x		0	0	5	0	0
106			x	x	x		0	0			
107			x	x	x		0	0			
108			x	x	x		0	0	75	0	0
109			x	x	x		0	0	11	0	0
110	Aden South, Hamilton	1945	10	2,000	2,000		0	0	1	1	0
111	Akin, Franklin	1942	200	253,000	44,000		0	0	7	0	0
112			x	x	x		0	0	3	0	0
113			x	x	x		0	0	3	0	0
114			x	x	x		0	0			
115			x	x	x		0	0	1	0	0
116	Albion Consolidated, Edwards	1940	2,500	4,836,000	1,302,000		0	0	205	54	0
117			x	x	x		0	0	1	0	0
118			x	x	x		0	0	15	11	0
119			x	x	x		0	0	40	28	0
120			x	x	x		0	0			
121			x	x	x		0	0	24	2	0
122			x	x	x		0	0			
123			x	x	x		0	0	3	2	0
124			x	x	x		0	0	3	0	0
125			x	x	x		0	0	1	0	0
126			x	x	x		0	0	20	4	0
127			x	x	x		0	0	2	0	0
128			x	x	x		0	0	2	1	0
129			x	x	x		0	0	67	1	0
130			x	x	x		0	0	27	5	0
131	Albion East, Edwards	1943	300	274,000	91,000		0	0	13	2	0
132			x	x	x		0	0	5	0	0
133			x	x	x		0	0			
134			x	x	x		0	0			
135			x	x	x		0	0	3	0	0
136			x	x	x		0	0	2	1	0
137			x	x	x		0	0	1	1	0
138			x	x	x		0	0	2	0	0
139	Alma, Marion	1941	60	54,000	7,000		0	0	4	0	0
140			x	x	x		0	0	2	0	0
141			x	x	x		0	0	2	0	0
142	Amity, Richland	1942	20	7,000	2,000		0	0	1	0	0
143	Barnhill, Wayne	1939	940	1,867,000	8,500		0	0	69	0	0
144			x	x	x		0	0	0	0	0
145			x	x	x		0	0	67	0	0
146			x	x	x		0	0	0	0	0
147			x	x	x		0	0	2	0	0
148			x	x	x		0	0	2	0	0
149	Bartelso South, Clinton	1942	80	13,000	3,000		0	0	2	0	0
150	Bartelso West, Clinton	1945	10	0	0		0	0	1	1	0
151	Beaver Creek, Bond	1942	140	42,000	16,000		0	0	9	0	0
152	Belle Prairie, Hamilton	1940	160	201,000	76,000		0	0	5	0	0
153	Belle Rive, Jefferson	1943	100	158,000	39,000		0	0	5	0	0
154	Beman, Lawrence	1942	20	4,000	1,000		0	0	1	0	0
155	Bend, White	1941	10	19,000	2,000		0	0	1	0	0
156	Bennington, Edwards, Wayne	1943	900	773,000	740,000		0	0	38	34	0
157			x	x	x		0	0	3	0	0
158			x	x	x		0	0			
159			x	x	x		0	0	34	33	0
160			x	x	x		0	0	1	1	0
161	Bennington South, Edwards	1944	20	10,000	4,000		0	0	1	0	0
162	Benton, Franklin	1941	2,400	17,416,000	1,148,000		0	0	243	0	1
163	Benton North, Franklin	1941	230	322,000	56,000		0	0	16	1	0
164			x	x	x		0	0	1	0	0
165			x	x	x		0	0	5	0	0
166			x	x	x		0	0	1	0	0
167			x	x	x		0	0	3	0	0
168			x	x	x		0	0	2	0	0

TABLE I.—(Continued)

Line Number	Wells Producing Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ²		Character of Oil ¹		Producing Formation						Deepest Zone Tested ² to End of 1945		
	Flowing	Oil ¹		Initial	Avg./End 1945	Secondary Recovery ²	Gravity A.P.I. at 60°F. ³	Sulphur, Per Cent	Name and Age ⁴	Character ⁵	Porosity, Per Cent ⁶	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ⁿ Net	Structure ⁷	Name	Depth of Hole, Ft.
		Artificial Lift	Gas													
104	0	85	0													
105	0	13	0	s s s	s s s		s s s	Aux Vases; MisU	S	P	3,175	15	AL	Dev	5,395	
106	0			s s s	s s s		s s s	Lower O'Hara; MisL ⁹	OL	P	3,265	6	AC			
107	0			s s s	s s s		s s s	Rosiclare; MisL ⁹	OL	P	3,300	8	AC			
108	0	55	0	s s s	s s s		40.0	McClosky; MisL	OL	P	3,350	8	A			
109	0	17	0	s	s		s	McClosky; MisL	L	P	3,385	2	ML	MisL	3,430	
110	0	1	0	s	s		s							MisL	3,515	
111	0	7	0	s	s		s									
112	0	3	0	s s s	s s s		32.0	Cypress; MisU	S	P	2,840	10	ML			
113	0	3	0	s s s	s s s		37.8	Aux Vases; MisU	S	P	3,120	15	AL			
114	0			s s s	s s s		s	McClosky; MisL ⁹	L	P	3,226	9	ML			
115	0	1	0													
116	0	200	0			W										
117	0	1	0				29.6	Mansfield; Pen	S	P	1,650	13	MF			
118	0	13	0	550	s s s		34.0	Bridgeport; Pen	S	P	1,860	20	MF			
119	0	39	0	600	s s s		s	Bieh1; Pen	S	P	1,995	15	MF			
120	0			600	s s s		s	Degonia; MisU ⁹	S	P	2,125	8	MF			
121	0	23	0	400	s s s		34.0	Waltersburg; MisU	S	P	2,365	15	AL			
122	0			700	s s s		s	Tar Springs; MisU ⁹	S	P	2,450	10	AL			
123	0	3	0	s s s	s s s		s	Hardinsburg; MisU	S	P	2,636	5	A			
124	0	3	0	900	s s s		38.0	Bethel; MisU	S	P	2,960	15	Af			
125	0	1	0	900	s s s		s	Renault; MisU	S	P	3,002	10	Af			
126	0	20	0	950	s s s		39.0	Aux Vases; MisU	S	P	3,045	20	Af			
127	0	2	0	s s s	s s s		s	Lower O'Hara; MisL	L	P	3,110	10	A			
128	0	1	0	s s s	s s s		s	Rosiclare; MisL	L	P	3,160	10	A			
129	0	60	0	900	s s s		40.0	McClosky; MisL	L	P	3,140	10	AC			
130	0	34	0													
131	0	13	0													
132	0	4	0	s s s	s s s		s	Cypress; MisU	S	P	2,790	15	A	MisL	3,244	
133	0			s s s	s s s		s	Paint Creek; MisU ⁹	S	P	2,910	10	A			
134	0			s s s	s s s		s	Bethel; MisU ⁹	S	P	2,955	25	A			
135	0	3	0	s s s	s s s		s	Aux Vases; MisU	S	P	3,000	15	A			
136	0	2	0	s s s	s s s		s	Lower O'Hara; MisL	L	P	3,100	6	A			
137	0	1	0	s s s	s s s		s	McClosky; MisL	L	P	3,140	8	A			
138	0	3	0													
139	0	2	0													
140	0	1	0	s s s	s s s		s	Bethel; MisU	S	P	1,931	8	A	Dev	3,692	
141	0	1	0	s s s	s s s		s	Rosiclare; MisL	P	P	2,084	10	A			
142	0	1	0	s s s	s s s		s	McClosky; MisL	OL	P	2,960	10	MC	MisL	3,000	
143	0	35	0											MisL	3,855	
144	0	0	0	s s s	s s s		s	Aux Vases; MisU	S	P	3,225	15	AL			
145	0	0	0	s s s	s s s		s	Rosiclare; MisL	OL	P	3,350	9	AC			
146	0	35	0	s s s	s s s		37.6	McClosky; MisL	OL	P	3,400	12	A			
147	0	0	0	s s s	s s s		s	Salem; MisL	L	P	3,795	8	AC			
148	0	0	0													
149	0	2	0	s s s	s s s		40.0	Devonian; Dev	L	Cav	2,465	8	A	Dev	2,652	
150	0	1	0	s s s	s s s		s	Cypress; MisU	S	P	926	6	A	MisU	976	
151	0	9	0	s s s	s s s		34.2	Bethel; MisU	S	P	1,180	8	A	Dev	2,526	
152	0	5	0	s s s	s s s		37.0	McClosky; MisL	L	P	3,440	7	z	MisL	3,580	
153	0	5	0	s s s	s s s		39.4	McClosky; MisL	L	P	3,085	7	AC	MisL	3,240	
154	0	1	0	s s s	s s s		s	McClosky; MisL	L	P	1,841	2	MC	MisL	1,845	
155	0	1	0	s s s	s s s		s	Tar Springs; MisU	S	P	2,357	8	z	MisL	3,109	
156	0	38	0											MisL	3,350	
157	0	0	0	s s s	s s s		s	Aux Vases; MisU	S	P	3,150	20	ML			
158	0			s s s	s s s		s	Lower O'Hara; MisL ⁹	L	P	3,240	10	MC			
159	0	37	0	s s s	s s s		s	McClosky; MisL	L	P	3,215	10	MC			
160	0	1	0													
161	0	1	0	s s s	s s s		s	McClosky; MisL	L	P	3,250	4	MC	MisL	3,419	
162	0	235	0	s s s	s s s	G	41.7	Tar Springs; MisU	S	P	2,100	34	A	MisL	3,205	
163	0	16	0											MisL	2,963	
164	0	0	0	s s s	s s s		s	Cypress; MisU	S	P	2,440	10	A			
165	0	6	0	s s s	s s s		s	Paint Creek; MisU	S	P	2,595	10	A			
166	0	1	0	s s s	s s s		38.4	Bethel; MisU	P	P	2,605	10	A			
167	0	3	0	s s s	s s s		39.0	Aux Vases; MisU	P	P	2,695	10	AL			
168	0	2	0	s s s	s s s		37.4	Lower O'Hara; MisL	L	P	2,720	8	AC			

TABLE I.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production		Gas Production		Number of Oil and/or Gas Wells ^c			
			Total Production, Bbl. ^c		Millions Cu. Ft. ^c		1945			
			Area Proved, Acres ^b	To End of 1945	During 1945	Area Proved, Acres ^b	To End of 1945	During of 1945	Completed to End of 1945	Completed
169			x	x	x	0	0	2	0	0
170			x	x	x	0	0			
171								2	1	0
172	Bessie, Franklin	1943	20	21,000	6,000	0	0	1	0	0
173	Bible Grove, Clay, Ellingham	1942	3,500	3,846,000	1,757,000	0	0	174	53	2
174			x	x	x	0	0	130	17	2
175			x	x	x	0	0	5	5	0
176			x	x	x	0	0	30	23	0
177								9	8	0
178	Bible Grove East, Clay	1944	50	33,000	33,000	0	0	5	3	0
179	Bible Grove South, Clay	1942	20	36,000	8,000	0	0	1	0	0
180	Blairsville, Hamilton	1942	660	1,246,000	212,000	0	0	29	0	0
181			x	x	x	0	0	20	0	0
182			x	x	x	0	0	1	0	0
183			x	x	x	0	0			
184			x	x	x	0	0	5	0	0
185								3	0	0
186	Bogota, Jasper	1943	200	284,000	80,000	0	0	7	0	0
187	Bogota South, Jasper	1944	20	9,000	5,000	0	0	1	0	0
188	Bone Gap, Edwards	1941	360	665,000	78,000	0	0	19	0	1
189	Bonpas, Richland	1941	40	87,000	11,000	0	0	2	0	0
190	Boos North, Jasper	1940	1,580	2,726,000	253,000	0	0	80	8	3
191			x	x	x	0	0	4	4	0
192			x	x	x	0	0	75	4	3
193								1	0	0
194	Boulder, Clinton	1941	560	2,041,000	505,000	x	x	36	1	0
195			x	x	x	0	0	25	1	0
196			x	x	x	x	x	11	0	0
197	Boyd, Jefferson	1944	960	1,519,000	1,362,000	0	0	92	77	1
198			x	x	x	0	0	54	45	1
199			x	x	x	0	0	3	2	0
200			x	x	x	0	0			
201								35	30	0
202	Boyleston Consolidated, Wayne	1938	4,820	7,180,000	609,000	0	0	181	0	3
203			x	x	x	0	0	2	0	1
204			x	x	x	0	0	11	0	0
205			x	x	x	0	0	2	0	0
206			x	x	x	0	0	156	0	2
207								10	0	0
208	Browns, Edwards, Wabash	1943	360	349,000	162,000	0	0	18	0	2
209			x	x	x	0	0	4	0	0
210			x	x	x	0	0	1	0	0
211			x	x	x	0	0	8	0	2
212								5	0	0
213	Browns South, Edwards	1943	30	4,000	3,000	0	0	3	0	0
214	Brownsville, White	1945	600	205,000	205,000	0	0	32	32	0
215			x	x	x	0	0	20	20	0
216			x	x	x	0	0	2	2	0
217			x	x	x	0	0	2	2	0
218			x	x	x	0	0	2	2	0
219			x	x	x	0	0			
220			x	x	x	0	0	1	1	0
221			x	x	x	0	0	1	1	0
222								4	4	0
223	Bungay, Hamilton	1941	600	1,374,000	627,000	0	0	41	6	0
224			x	x	x	0	0	40	6	0
225			x	x	x	0	0	1	0	0
226	Burnt Prairie, White	1940	680	810,000	244,000	0	0	39	6	4
227			x	x	x	0	0	10	4	0
228			x	x	x	0	0	0	0	0
229			x	x	x	0	0	2	0	0
230			x	x	x	0	0	27	2	4
231								0	0	0
232	Calhoun, Richland	1944	640	556,000	484,000	0	0	29	23	0
233			x	x	x	0	0	19	15	0

TABLE I.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Character of Oil ^c		Producing Formation						Deepest Zone Tested, ^d to End of 1945		
	Oil ^e			Initial	Avg./End 1945	Secondary Recovery ^f	Gravity A.P.I. at 60°F. ^g	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 ⁿ	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas													
169	0	2	0	x	x		38.4	0.15	Rosiclare; MisL	S	P	2,780	7	AL		
170				x	x		x	x	McClosky; MisL ^o	L	P	2,785	5	AC		
171	0	2	0													
172	0	1	0	x	x		38.8	0.15	Lower O'Hara; MisL	L	P	2,804	11		MisL	3,460
173	0	169	0													2,970
174	0	126	0	x	x		38.0	0.13	Cypress; MisU	S	P	2,490	15	A		
175	0	5	0	x	x		x	x	Rosiclare; MisL	L	P	2,840	10	A		
176	0	29	0	x	x		36.2	x	McClosky; MisL	OL	P	2,810	6	A		
177	0	9	0													
178	0	5	0	x	x		x	x	Cypress; MisU	S	P	2,510	10	A	MisL	2,993
179	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,750	10	ML	MisL	2,946
180	0	27	0													3,530
181	0	18	0	x	x		38.1	x	Aux Vases; MisU	S	P	3,280	20	AL		
182	0	1	0	x	x		x	x	Lower O'Hara; MisL	L	P	3,340	7	AC		
183	0			x	x		x	x	Rosiclare; MisL ^o	S	P	3,365	7	AC		
184	0	5	0	x	x		38.6	0.13	McClosky; MisL	L	P	3,425	8	AC		
185	0	3	0													
186	0	7	0	x	x		x	x	McClosky; MisL	L	P	3,110	10	A	MisL	3,234
187	0	1	0	x	x		x	x	McClosky; MisL	L	P	3,054	4	ML	MisL	3,185
188	0	15	0	x	x		40.5	0.33	McClosky; MisL	L	P	3,250	10	A	MisL	3,350
189	0	2	0	x	x		37.8	0.23	McClosky; MisL	OL	P	3,120	4	MC	MisL	3,212
190	0	70	0			W										2,950
191	0	4	0	x	x		x	x	Rosiclare; MisL	S	P	2,765	10	AC		
192	0	63	0	x	x		38.6	0.20	McClosky; MisL	L	P	2,800	9	A		
193	0	3	0													
194	1	31	2												Dev	2,672
195	0	25	0	x	x		36.0	x	Bethel; MisU	S	P	1,190	20	A		
196	1	6	2	x	x		28.2	0.33	Devonian; Dev	L	Cav	2,630	4	A		
197	0	91	0												MisL	2,233
198	0	53	0	550±	x		x	x	Bethel; MisU	S	P	2,050	15	A		
199	0	3	0	615±	x		x	x	Aux Vases; MisU	S	P	2,130	20	A		
200				x	x		x	x	Lower O'Hara; MisL ^o	L	P	2,235	10	A		
201	0	35	0													
202	0	146	0												MisL	3,495
203	0	2	0	x	x		39.6	x	Aux Vases; MisU	S	P	3,095	7	AL		
204	0	8	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,180	4	AC		
205	0	1	0	x	x		40.2	0.14	Rosiclare; MisL	OL	P	3,215	6	AC		
206	0	125	0	x	x		40.2	0.14	McClosky; MisL	OL	P	3,240	7	AC		
207	0	10	0													
208	0	16	0												MisL	3,187
209	0	6	0	x	x		x	x	Cypress; MisU	S	P	2,651	30	AL		
210	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,778	12	A		
211	0	3	0	x	x		x	x	McClosky; MisL	L	P	3,007	9	A		
212	0	6	0													
213	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,840	15	L	MisL	3,144
214	0	32	0												MisL	3,262
215	0	18	0	x	x		x	x	Hardinsburg; MisU	S	P	2,630	20	A		
216	0	3	0	x	x		x	x	Cypress; MisU	S	P	2,780	12	A		
217	0	1	0	x	x		x	x	Paint Creek; MisU	S	P	2,865	12	A		
218	0	2	0	x	x		x	x	Aux Vases; MisU	P	P	3,020	6	A		
219				x	x		x	x	Lower O'Hara; MisL ^o	L	P	3,100	6	AC		
220	0	1	0	x	x		x	x	Rosiclare; MisL	SL	P	3,120	6	AC		
221	0	2	0	x	x		x	x	McClosky; MisL	L	P	3,140	8	AC		
222	0	5	0													
223	0	40	0												MisL	3,541
224	0	39	0	x	x		36.8	0.24	Aux Vases; MisU	S	P	3,290	15	AL		
225	0	1	0	x	x		x	x	McClosky; MisL	L	P	3,430	8	AC		
226	0	33	0												MisL	3,532
227	0	8	0	x	x		x	x	Aux Vases; MisU	S	P	3,260	18	AL		
228	0	2	0	x	x		39.0	x	Lower O'Hara; MisL	OL	P	3,360	5	AC		
229	0	0	0	x	x		x	x	Rosiclare; MisL	OL	P	3,339	7	AC		
230	0	19	0	x	x		30.7	0.28	McClosky; MisL	OL	P	3,400	10	AC		
231	0	4	0													
232	1	28	0												MisL	3,280
233	0	19	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,140	9	A		

TABLE I.—(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 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
234		x	x	x	0	0	7	5	0		
235		x	x	x	0	0	3	3	0		
236	Calhoun North, Richland.....	1944	40	14,000	12,000	0	0	2	1	0	
237			x	x	0	0					
238			x	x	0	0	1	1	0		
239			x	x	0	0	1	0	0		
240	Calvin North, White.....	1943	600	741,000	262,000	0	0	55	13	0	
241			x	x	x	0	0	5	4	0	
242			x	x	x	0	0	28	5	0	
243			x	x	x	0	0	0	0	0	
244			x	x	x	0	0	1	0	0	
245			x	x	x	0	0	9	0	0	
246			x	x	x	0	0	1	1	0	
247			x	x	x	0	0	4	2	0	
248			x	x	x	0	0	5	1	0	
249			x	x	x	0	0				
250			x	x	x	0	0	1	0	0	
251			x	x	x	0	0	1	0	0	
252	Carlinville North, Macoupin.....	1941	40	700	100	0	0	5	1	0	
253	Carmi, White.....	1940	30	6,000	200	0	0	2	0	0	
254			x	x	x	0	0	1	0	0	
255			x	x	x	0	0	1	0	0	
256	Carmi North, White.....	1942	30	84,000	18,000	0	0	3	0	0	
257			x	x	x	0	0				
258			x	x	x	0	0	3	0	0	
259			x	x	x	0	0	0	0	0	
260	Centerville, White.....	1940	60	243,000	24,000	0	0	5	0	0	
261	Centerville East, White.....	1941	700	1,462,000	191,000	0	0	44	0	1	
262			x	x	x	0	0	24	0	1	
263			x	x	x	0	0	3	0	0	
264			x	x	x	0	0	1	0	0	
265			x	x	x	0	0	5	0	0	
266			x	x	x	0	0				
267			x	x	x	0	0	10	0	0	
268			x	x	x	0	0	1	0	0	
269	Centralia, Clinton, Marion.....	1937	2,850	27,634,000	1,827,000	0	0	911	5	17	
270			x	x	x	0	0	26	3	x	
271			x	x	x	0	0	564	2	x	
272			x	x	x	0	0	0	0	0	
273			x	16,633,000	1,191,000	0	0	319	0	x	
274			x	33,000	2,000	0	0	2	0	0	
275			x	x	x	0	0	0	6	3	
276	Centralia West, Clinton.....	1940	90	254,000	41,000	0	0	9	0	0	
277	Cisne, Wayne.....	1937	1,100	3,030,000	117,000	0	0	53	1	2	
278			x	x	x	0	0	1	0	0	
279			x	x	x	0	0	1	0	0	
280			x	x	x	0	0	50	1	1	
281			x	x	x	0	0	1	0	1	
282	Cisne North, Wayne.....	1942	20	11,000	2,000	0	0	2	0	0	
283	Clay City Consolidated, Clay, Wayne....	1937	21,260	40,938,000	5,065,000	0	0	1,040	111	11	
284			x	x	x	0	0	36	2	0	
285			x	x	x	0	0	176	49	0	
286			x	x	x	0	0	3	3	0	
287			x	x	x	0	0	28	22	0	
288			x	x	x	0	0	771	28	11	
289			x	x	x	0	0	26	7	0	
290	Clay City West, Clay.....	1941	360	1,064,000	46,000	0	0	17	0	0	
291			x	x	x	0	0	1	0	0	
292			x	x	x	0	0	16	0	0	
293	[Coil, Wayne.....	1942	480	895,000	119,000	0	0	17	0	0	
294			x	x	x	0	0	16	0	0	
295			x	x	x	0	0	1	0	0	
296	Coil West, Jefferson.....	1942	300	242,000	113,000	0	0	13	3	2	
297			x	x	x	0	0	3	2	0	
298			x	x	x	0	0	1	1	0	

TABLE I.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Character of Oil ^c		Producing Formation						Deepest Zone Tested ^d to End of 1945		
	Flowing	Artificial Lift	Gas	Initial	Avg./End 1945	Secondary Recovery ^e	Gravity A.P.I. at 60°F. ^f	Sulphur, Per Cent.	Name and Age ^g	Character ^h	Porosity, Per Cent. ⁱ	Depth to Top of Producing Zone, Ft. ^j	Productive Thickness, Avg. Ft. ^k Net	Structure ^l	Name	Depth of Hole, Ft.
234	1	6	0	z	z		z	z	McClosky; MisL	OL	P	3,180	5	A		
235	0	3	0						"						MisL	3,280
236	0	2	0							S	P	3,165	10	N		
237	0	1	0	z	z		z	z	Rosciclare; MisL ^o	OL	P	3,184	11	N		
238	0	1	0						McClosky; MisL							
239	0	1	0						"						MisL	3,280
240	0	54	0							S	P	1,088	26	ALf		
241	0	9	0						Buchanan; Pen	S	P	1,520	10	ALf		
242	0	18	0	z	z		30.0	0.29	Biehl; Pen	P	P	2,140	18	ALf		
243	0	1	0						Palestine; MisU	S	P	2,260	10	ALf		
244	0	1	0						Waltersburg; MisU	S	P	2,320	12	ALf		
245	0	5	0				34.0	0.30	Tar Springs; MisU	S	P	2,700	10	ALf		
246	0	1	0						Cypress; MisU	S	P	2,815	11	ALf		
247	0	1	0				38.4	0.19	Bethel; MisU	S	P	2,880	18	AL		
248	0	8	0						Aux Vases; MisU	OL	P	2,996	16	AC		
249	0	2	0						Rosciclare; MisL ^o	OL	P			AC		
250	0	2	0						McClosky; MisL	OL	P			AC		
251	0	8	0						"							
252	0	3	0	z	z		20.3	0.35	Pottsville; Pen	S	P	450	10	z	Pen	562
253	0	1	0												MisL	3,282
254	0	0	0	z	z				Lower O'Hara; MisL	OL	P	3,130	8	MCF		
255	0	1	0						McClosky; MisL	OL	P	3,150	4	MCF		
256	0	3	0												MisL	3,418
257	0	2	0	z	z				Cypress; MisU ⁹	S	P	2,935	10	AF		
258	0	2	0	z	z		37.0	0.14	Aux Vases; MisU	S	P	3,230	15	AF		
259	0	1	0						"							
260	0	5	0	z	z		36.8	0.17	McClosky; MisL	OL	P	3,360	5	AC	MisL	3,600
261	0	40	0												MisL	3,365
262	0	20	0	z	z		37.2	0.20	Tar Springs; MisU	S	P	2,500	30	ALf		
263	0	3	0						Cypress; MisU	S	P	2,915	10	AL		
264	0	1	0						Bethel; MisU	S	P	2,960	18	AL		
265	0	5	0						Aux Vases; MisU	P	P	3,080	11	AL		
266	0	8	0						Lower O'Hara; MisL ^o	OL	P	3,175	4	AC		
267	0	8	0				40.0		McClosky; MisL	OL	P	3,250	5	AC		
268	0	3	0						"							
269	0	500	0												"Trenton"	4,070
270	0	z	0	z	z		36.4	0.20	Cypress; MisU	S	P	1,200	15	A		
271	0	z	0	z	z		37.7	0.17	Bethel; MisU	S	P	1,355	20	A		
272	0	z	0	z	z				McClosky; MisL	OL	P	1,580	z	A		
273	0	254	0	z	z		37.4	0.38	Devonian; Dev	L	Cav	2,870	12	A		
274	0	1	0	z	z		43.2	0.28	"Trenton"; Ord	L	Cav	4,020	7	A		
275	0	29	0						"							
276	0	8	0	z	z		37.8	0.17	Bethel; MisU	S	P	1,420	8	N	MisU	1,531
277	0	42	0			W									St. Peter	7,205
278	0	4	0	z	z		38.5	z	Aux Vases; MisU	S	P	3,002	8	AL		
279	0	2	0	z	z				Rosciclare; MisL	SL	P	3,068	9	AC		
280	0	22	0	z	z		35.8	0.24	McClosky; MisL	OL	P	3,117	11	A		
281	0	14	0						"							
282	0	2	0	z	z		39.0	z	McClosky; MisL	OL	P	3,170	10	ML	MisL	3,245
283	0	972	0			W									Dev	4,840
284	0	47	0	z	z		37.9	z	Cypress; MisU	S	P	2,635	10	A		
285	0	160	0	z	z		38.0	z	Aux Vases; MisU	S	P	2,840	15	AL		
286	0	3	0	z	z		38.0	z	Lower O'Hara; MisL	L	P	3,017	5	AL		
287	0	33	0	z	z		38.0	z	Rosciclare; MisL	OL	P	3,030	8	AL		
288	0	643	0	z	z		38.5	z	McClosky; MisL	OL	P	3,050	10	AL		
289	0	86	0						"							
290	0	17	0												MisL	3,080
291	0	1	0	z	z		z	z	Cypress; MisU	S	P	2,700	24	A		
292	0	16	0	z	z		39.0	0.17	McClosky; MisL	OL	P	3,050	15	A		
293	0	18	0												MisL	3,185
294	0	15	0				37.1	0.20	Aux Vases; MisU	S	P	2,900	20	A		
295	0	3	0				37.5		McClosky; MisL	OL	P	2,970	3	AC		
296	0	11	0												MisL	3,022
297	0	4	0						Aux Vases; MisU	S	P	2,729	14	AL		
298	0	1	0						Lower O'Hara; MisL	L	P	2,830	6	AC		

TABLE I.—(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		Completed to End of 1945	1945		
			Area Proved, Acres ^b	To End of 1945	During 1945	Area Proved, Acres ^b		To End of 1945	During 1945	Completed
299			x	x	0	0				
300			x	x	0	0	5	0	0	
301							4	0	2	
302	Concord, White	1942	800	1,309,000	707,000	0	0	62	16	0
303			x	x	x	x	15	0	0	
304			x	x	x	x	9	0	0	
305			x	x	x	x	8	0	0	
306			x	x	x	x	1	0	0	
307			x	x	x	x	27	16	0	
308	Concord East, White	1942	20	8,000	1,000	0	0	2	0	0
309	Concord South, White	1944	20	8,000	8,000	0	0	2	0	0
310	Cooks Mills, Coles	1941	20	6,000	1,000	0	0	2	0	0
311	Cordes, Washington	1939	1,440	3,170,000	282,000	0	0	142	1	1
312	Covington South, Wayne	1943	360	105,000	20,000	0	0	8	0	0
313	Cowling, Edwards, Wabash	1939	360	457,000	136,000	0	0	28	13	1
314			x	x	x	x	4	4	0	
315			x	x	x	x	17	4	0	
316			x	x	x	x	0	0	0	
317			x	x	x	x	0	0	0	
318			x	x	x	x	1	1	0	
319			x	x	x	x	6	4	1	
320	Cravat, Jefferson	1939	100	238,000	19,000	0	0	11	0	0
321	Dalhgren, Hamilton	1941	600	932,000	34,000	0	0	42	0	2
322	Dale-Hoodville Consolidated, Hamilton	1940	5,000	21,280,000	2,039,000	0	0	423	0	9
323			x	x	x	x	26	0	1	
324			x	x	x	x	42	0	0	
325			x	x	x	x	2	0	0	
326			x	x	x	x	90	0	0	
327			x	x	x	x	194	0	8	
328			x	x	x	x	14	0	0	
329			x	x	x	x	0	0	0	
330			x	x	x	x	8	0	0	
331			x	x	x	x	47	0	0	
332	Divide, Jefferson	1943	300	260,000	78,000	0	0	11	0	1
333			x	x	x	x	0	0	0	
334			x	x	x	x	0	0	0	
335			x	x	x	x	11	0	1	
336	Divide West, Jefferson	1944	920	1,141,000	1,074,000	0	0	41	30	0
337			x	x	x	x	3	3	0	
338			x	x	x	x	1	1	0	
339			x	x	x	x	33	23	0	
340			x	x	x	x	4	3	0	
341	Dix, Jefferson, Marion	1938	1,300	4,516,000	565,000	0	0	84	0	0
342			x	x	x	x	83	0	0	
343			x	x	x	x	1	0	0	
344	Dix South, Jefferson	1941	10	11,000	500	0	0	1	0	0
345	Dubois, Washington	1939	100	135,000	15,000	0	0	10	0	0
346	Dubois West, Washington	1942	10	7,000	2,000	0	0	1	0	0
347	Dundas Consolidated, Richland, Jasper	1939	9,000	11,654,000	592,000	0	0	287	0	8
348			x	x	x	x	8	0	1	
349			x	x	x	x	2	0	0	
350			x	x	x	x	0	0	0	
351			x	x	x	x	273	0	7	
352			x	x	x	x	4	0	0	
353	Dundas East, Richland, Jasper	1942	440	664,000	93,000	0	0	16	0	0
354			x	x	x	x	2	0	0	
355			x	x	x	x	14	0	0	
356	Eldorado, Saline	1941	40	9,000	1,000	0	0	2	0	0
357			x	x	x	x	0	0	0	
358			x	x	x	x	1	0	0	
359			x	x	x	x	1	0	0	
360	Elk Prairie, Jefferson	1938 ²⁷	10	700	0	0	0	1	0	0
361	Elkville, Jackson	1941	10	3,000	500	0	0	1	0	0

²⁷ Abandoned 1940.

TABLE I.—(Continued)

Line Number	Wells Producing ² Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ³		Secondary Recovery ⁴	Character of Oil ⁵		Producing Formation					Deepest Zone Tested ⁶ to End of 1945		
	Oil ¹			Initial	Avg./End 1945		Gravity, A.P.I. at 60°F. ⁷	Sulphur, Per Cent	Name and Age ¹	Character ²	Porosity, Per Cent ¹	Depth to Top of Producing Zone, ft. ³	Productive Thickness, Avg. Ft., ⁴ Net	Structure ⁵	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas													
299				s	s		s	Rosiclare; MisL ⁹	SL	P	2,870	6	AC			
300	0	2	0	s	s		s	McClosky; MisL	L	P	2,885	10	AC			
301	0	4	0													
302	0	61	0													
	0	16	0	s	s		37.0	Tar Springs; MisU	s	P	2,270	20	AL	MisL	3,115	
303	0	7	0	s	s		s	Cypress; MisU	s	P	2,623	10	AL			
304	0	6	0	s	s		s	Aux Vases; MisU	s	P	2,905	15	AL			
305	0	0	0	s	s		s	Lower O'Hara; MisL	OL	P	2,930	8	AC			
306	0	22	0	s	s		s	McClosky; MisL	OL	P	2,989	10	AC			
307	0	10	0													
308	0	1	0	s	s		s	Lower O'Hara; MisL	L	P	2,880	8	MC	MisL	2,952	
309	0	2	0	s	s		s	Tar Springs; MisU	P	P	2,300	20	MF	MisL	3,096	
310	0	1	0	s	s		36.4	Aux Vases; MisU	s	P	1,825	10	M	Dev	3,226	
311	0	131	0	s	s		37.4	Bethel; MisU	s	P	1,260	14	A	Dev	2,887	
312	0	7	0	s	s		39.4	McClosky; MisL	OL	P	3,310	8	AC	MisL	3,389	
313	0	25	0													
314	0	4	0	s	s		s	Waltersburg; MisU	s	P	2,150	8	AL	MisL	3,175	
315	0	13	0	s	s		36.6	Cypress; MisU	s	P	2,630	15	A			
316	0			s	s		s	Bethel; MisU ⁹	s	P	2,770	2	AL			
317	0	1	0	s	s		s	Rosiclare; MisL	SL	P	2,860	4	AC			
318	0	5	0	s	s		s	McClosky; MisL	L	P	2,995	5	AC			
319	0	2	0													
320	0	10	0	s	s		35.4	Bethel; MisU	s	P	2,070	10	A	MisL	2,335	
321	0	21	0	s	s	P	38.7	McClosky; MisL	L	P	3,315	10	A	MisL	3,497	
322	0	393	0	1	0	G									5,354	
323	0	22	0	s	s		s	Tar Springs; MisU	s	P	2,430	25	AL			
324	0	40	0	s	s		37.6	Cypress; MisU	s	P	2,680	18	A			
325	0	7	0	s	s		s	Paint Creek; MisU	s	P	2,865	2	A			
326	0	60	0	s	s		39.0	Bethel; MisU	s	P	2,950	20	A			
327	0	175	0	s	s		38.0	Aux Vases; MisU	s	P	3,020	19	A			
328	0	2	0	s	s		s	Lower O'Hara; MisL	OL	P	3,050	6	AC			
329	0			s	s		38.6	Rosiclare; MisL ⁹	SL	P	3,060	15	AC			
330	0	3	0	s	s		38.6	McClosky; MisL	L	P	3,075	5	AC			
331	0	84	0													
332	0	10	0													
333	0			s	s		s	Lower O'Hara; MisL ⁹	L	P	2,700	6	AC	MisL	2,921	
334	0	9	0	s	s		s	McClosky; MisL	L	P	2,750	10	AC			
335	0	1	0													
336	0	41	0													
337	0	3	0	s	s		s	Lower O'Hara; MisL	L	P	2,690	7	AC	MisL	2,865	
338	0	1	0	s	s		s	Rosiclare; MisL	SL	P	2,696	10	AC			
339	0	33	0	s	s		s	McClosky; MisL	L	P	2,740	14	AC			
340	0	4	0													
341	0	80	0													
342	0	80	0	s	s	W	27.5	Bethel; MisU	s	P	1,950	13	A	Dev	3,874	
343	0	0	0	s	s		s	Rosiclare; MisL	s	P	2,100	8	A			
344	0	1	0	s	s		s	Bethel; MisU	s	P	1,931	5	A	MisL	2,265	
345	0	7	0	s	s		38.0	Bethel; MisU	s	P	1,355	8	A	Dev	3,535	
346	0	1	0	s	s		s	Bethel; MisU	s	P	1,345	6	A	MisL	1,685	
347	0	259	0												4,585	
348	0	6	0	s	s		37.0	Cypress; MisU	s	P	2,520	12	AL			
349	0	2	0	s	s		38.0	Aux Vases; MisU	s	P	2,795	9	A			
350	0	2	0	s	s		s	Rosiclare; MisL	SL	P	2,845	6	AL			
351	0	235	0	s	s		38.4	McClosky; MisL	OL	P	2,974	7	A			
352	0	14	0													
353	0	15	0													
354	0	2	0	s	s		s	Lower O'Hara; MisL	OL	P	2,940	10	A	MisL	3,105	
355	0	13	0	s	s		s	McClosky; MisL	OL	P	3,000	8	A			
356	0	0	0													
357	0	0	0	s	s		s	Tar Springs; MisU	s	P	2,206	20	A	MisL	3,000	
358	0	1	0	s	s		34.2	Aux Vases; MisU	s	P	2,813	20	A			
359	0	0	0	s	s		s	McClosky; MisL	L	P	2,942	8	A			
360	0	0	0	s	s		s	McClosky; MisL	L	P	2,730	7	A	MisL	3,000	
361	0	1	0	s	s		35.8	Bethel; MisU	s	P	2,000	10	A	MisL	2,387	

TABLE I.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		1945		
				To End of 1945	During 1945		To End of 1945	During 1945	Completed to End of 1945	Completed	Abandoned
362	Ellery, Edwards, Wayne.....	1941	40	43,000	6,000		0	0	2	0	0
363	"	"	"	"	"		0	0	"	"	"
364	"	"	"	"	"		0	0	"	"	"
365	"	"	"	"	"		0	0	2	0	0
366	Ellery North, Edwards.....	1942 ²⁸	20	3,000	0		0	0	0	0	0
367	Ellery South, Edwards.....	1943	100	30,000	11,000		0	0	1	0	0
368	Epworth, White.....	1941	120	229,000	30,000		0	0	3	1	0
369	"	"	"	"	"		0	0	10	0	1
370	"	"	"	"	"		0	0	2	0	0
371	"	"	"	"	"		0	0	6	0	0
372	"	"	"	"	"		0	0	1	0	1
373	Ewing, Franklin.....	1944	140	86,000	83,000		0	0	1	0	0
374	Exchange, Marion.....	1943	80	27,000	7,000		0	0	6	5	0
375	"	"	"	"	"		0	0	2	0	0
376	"	"	"	"	"		0	0	"	"	"
377	"	"	"	"	"		0	0	2	0	0
378	Fairfield, Wayne.....	1942	40	14,000	5,000		0	0	0	0	0
379	Fairman, Marion, Clinton.....	1939	460	1,116,000	96,000		0	0	2	0	0
380	Fitzgerrell, Jefferson.....	1944	10	4,000	3,000		0	0	25	0	0
381	Flora, Clay.....	1938	10	4,000	3,000		0	0	1	0	0
382	"	"	600	727,000	188,000		0	0	28	1	0
383	"	"	"	"	"		0	0	1	0	0
384	"	"	"	"	"		0	0	"	"	"
385	"	"	"	"	"		0	0	26	1	0
386	Friendsville, Wabash.....	1942	500	471,000	125,000		0	0	1	0	0
387	"	"	"	"	"		0	0	35	0	1
388	"	"	"	"	"		0	0	10	0	0
389	"	"	"	"	"		0	0	1	0	0
390	"	"	"	"	"		0	0	9	0	0
391	"	"	"	"	"		0	0	0	0	0
392	"	"	"	"	"		0	0	2	0	0
393	"	"	"	"	"		0	0	5	0	0
394	"	"	"	"	"		0	0	0	0	0
395	"	"	"	"	"		0	0	1	0	0
396	Gallagher, Richland.....	1945	20	2,000	2,000		0	0	7	0	1
397	Geff, Wayne.....	1941	500	834,000	184,000		0	0	1	0	0
398	"	"	"	"	"		0	0	27	0	1
399	"	"	"	"	"		0	0	19	0	0
400	"	"	"	"	"		0	0	1	0	0
401	Geff West, Wayne.....	1942	60	61,000	14,000		0	0	7	0	1
402	Goldengate Consolidated, Wayne.....	1939	860	1,152,000	206,000		0	0	3	0	0
403	"	"	"	"	"		0	0	40	3	0
404	"	"	"	"	"		0	0	4	0	0
405	"	"	"	"	"		0	0	3	1	0
406	"	"	"	"	"		0	0	4	1	0
407	"	"	"	"	"		0	0	17	0	0
408	Goldengate North, Wayne.....	1945	40	4,000	4,000		0	0	12	1	0
409	"	"	"	"	"		0	0	2	0	0
410	"	"	"	"	"		0	0	"	"	"
411	"	"	"	"	"		0	0	"	"	"
412	Gossett, White.....	1943	40	500	0		0	0	2	0	0
413	Grayville, Edwards, White.....	1939	300	510,000	78,000		0	0	1	0	0
414	"	"	"	"	"		0	0	24	0	3
415	"	"	"	"	"		0	0	0	0	0
416	"	"	"	"	"		0	0	1	0	0
417	"	"	"	"	"		0	0	1	0	0
418	"	"	"	"	"		0	0	1	0	0
419	"	"	"	"	"		0	0	20	0	3
420	Grayville West, White.....	1941	30	46,000	6,000		0	0	1	0	0
421	"	"	"	"	"		0	0	3	0	0
422	"	"	"	"	"		0	0	1	0	0
423	Herald, White Gallatin.....	1940	800	397,000	89,000		0	0	2	0	0
424	"	"	"	"	"		0	0	49	21	0
425	"	"	"	"	"		0	0	4	0	0
	"	"	"	"	"		0	0	2	0	0

²⁸ Abandoned 1943.

TABLE I.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ⁵		Secondary Recovery ^b	Character of Oil ^c		Producing Formation						Deepest Zone Tested ^d to End of 1945	
	Flowing	Oil ¹		Initial	Avg./End 1945		Gravity, A.P.I. at 60°F. ⁵	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 ⁿ	Structure ^o	Name	Depth of Hole, Ft.
		Artificial Lift	Gas													
362	0	2	0													
363	0	0	0	s	s		s	Aux Vases; MisU ⁹	S	P	3,242	20	AL	MisL	3,365	
364	0	1	0	s	s		39.1	McClosky; MisL	L	P	3,340	10	A			
365	0	1	0													
366	0	0	0	s	s		37.6	McClosky; MisL	L	P	3,350	7	MC	MisL	3,496	
367	0	0	0	225±	s		39.0	McClosky; MisL	L	P	3,320	11	MC	MisL	3,373	
368	0	0	0													3,195
369	0	0	0	s	s			Degonia; MisU	S	P	2,090	6	A			
370	0	6	0	s	s		36.2	Clore; MisU	S	P	2,070	15	A			
371	0	0	0	s	s		s	Palestine; MisU	S	P	2,100	15	A			
372	0	0	0	s	s		s	Bethel; MisU	S	P	2,525	16	s			
373	0	6	0	s	s		s	McClosky; MisL	L	P	3,000	8	A	MisL	3,094	
374	0	2	0													2,868
375	0	1	0	s	s		s	Lower O'Hara; MisL ⁹	L	P	2,729	x	MC			
376	0	1	0	s	s		s	McClosky; MisL	L	P	2,735	x	MC			
377	0	1	0													
378	0	1	0	s	s		s	Aux Vases; MisU	S	P	3,235	14	AL	MisL	3,410	
379	0	17	0	s	s		38.2	Bethel; MisU	S	P	1,440	9	A	"Trenton"	4,100	
380	0	0	0	s	s		s	Bethel; MisU	S	P	2,760	14	x	MisL	3,012	
381	0	25	0													3,100
382	0	2	0	s	s		37.4	Bethel; MisU	S	P	2,790	20	A			
383	0	1	0	s	s		s	Aux Vases; MisU ⁹	S	P	2,575	28	A			
384	0	22	0	s	s		37.2	McClosky; MisL	OL	P	2,970	6	A			
385	0	1	0													
386	0	30	0													
387	0	9	0	s	s		31.0	Biehl; Pen	S	P	1,760	15	A	MisL	2,798	
388	0	1	0	s	s		27.3	Palestine; MisU	S	P	1,785	13	A			
389	0	17	0	s	s		35.2	Cypress; MisU	S	P	2,300	12	A			
390	0	0	0	s	s		s	Paint Creek; MisU	S	P	2,465	15	A			
391	0	1	0	s	s		36.7	Bethel; MisU	S	P	2,475	10	A			
392	0	4	0	s	s		s	Lower O'Hara; MisL	OL	P	2,633	6	AC			
393	0	1	0	s	s		s	Rosticlare; MisL	SL	P	2,650	5	AC			
394	0	0	0	s	s		s	McClosky; MisL	L	P	2,655	5	AC			
395	0	6	0													
396	0	1	0	s	s		s	McClosky; MisL	OL	P	3,170	9	MC	MisL	3,243	
397	0	26	0													3,390
398	0	19	0	s	s		40.4	Aux Vases; MisU	S	P	3,065	14	AL			
399	0	1	0	s	s		s	Rosticlare; MisL	OL	P	3,089	4	AC			
400	0	6	0	s	s		34.0	McClosky; MisL	OL	P	3,135	5	AC			
401	0	3	0	s	s		s	Aux Vases; MisU	S	P	3,130	20	AL	MisL	3,320	
402	0	33	0													5,645
403	0	0	0	s	s		s	Aux Vases; MisU	S	P	3,180	15	AL			
404	0	3	0	s	s		s	Lower O'Hara; MisL	OL	P	3,252	6	AC			
405	0	0	0	s	s		s	Rosticlare; MisL	SL	P	3,275	5	AC			
406	0	2	0	s	s		34.4	McClosky; MisL	OL	P	3,308	9	AC			
407	0	28	0													
408	0	2	0													
409	0			s	s		s	Lower O'Hara; MisL ⁹	L	P	3,300	9	AC	MisL	3,407	
410	0			s	s		s	Rosticlare; MisL ⁹	SL	P	3,325	6	AC			
411	0	2	0													
412	0	1	0	s	s		s	McClosky; MisL	OL	P	3,080	3	MF	MisL	3,090	
413	0	15	0													3,280
414	0	3	0	s	s		s	Biehl; Pen	S	P	1,880	9	MF			
415	0	1	0	s	s		s	Palestine; MisU	S	P	2,098	12	AL			
416	0	1	0	s	s		s	Cypress; MisU	S	P	2,810	16	A			
417	0	1	0	s	s		s	Rosticlare; MisL	L	P	3,122	x	A			
418	0	8	0	s	s		35.8	McClosky; MisL	L	P	3,100	10	A			
419	0	1	0													
420	0	2	0													
421	0	1	0	s	s		37.0	Cypress; MisU	S	P	2,860	16	MF	MisL	3,275	
422	0	1	0	s	s		s	McClosky; MisL	OL	P	3,180	10	MF			
423	0	42	0													
424	0	3	0	s	s		28.0	Pennsylvanian; Pen	S	P	1,500	15	A	MisL	3,394	
425	0	1	0	s	s		s	Pennsylvanian; Pen	S	P	1,750	18	MF			

TABLE I.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production		Gas Production		Number of Oil and/or Gas Wells ^f			
			Total Production, Bbl. ^e		Millions Cu. Ft. ^e		Completed to End of 1945	1945		
			Area Proved, Acres ^b	To End of 1945	During 1945	Area Proved, Acres ^b		To End of 1945	During 1945	Completed
426			x	x		0	0	1	0	0
427			x	x		0	0	7	2	0
428			x	x		0	0	17	11	0
429			x	x		0	0	2	0	0
430			x	x		0	0	12	4	0
431			x	x		0	0	3	3	0
432			x	x		0	0	1	1	0
433	Hidalgo, Jasper	1940 ²⁹	20	10,000	0	0	0	2	0	0
434	Hill, Effingham	1943	40	31,000	8,000	0	0	2	0	1
435	Hoffman, Clinton	1939	220	517,000	36,000	0	0	46	0	0
436			x	x	x	0	0	10	0	0
437			x	x	x	0	0	35	0	0
438			x	x	x	0	0	1	0	0
439	Hoodville East, Hamilton	1944 ³⁰	20	600	0	0	0	1	0	0
440	Huey, Clinton	1945	30	200	200	0	0	3	3	0
441	Hunt City, Jasper	1945	20	0	0	0	0	1	1	0
442	Ina, Jefferson	1938	20	16,000	200	0	0	2	0	0
443	Ingraham, Clay	1942 ³¹	80	3,000	0	0	0	3	0	0
444	Ingraham West, Clay	1945	30	31,000	31,000	0	0	2	2	0
445			10	x	x	0	0	1	1	0
446			20	x	x	0	0	1	1	0
447	Inman, Gallatin	1940	60	70,000	10,000	0	0	6	0	1
448			x	x	x	0	0	2	0	0
449			x	x	x	0	0	1	0	1
450			x	x	x	0	0	2	0	0
451			x	x	x	0	0	1	0	0
452	Inman East, Gallatin	1940	1,080	3,104,000	544,000	0	0	101	2	0
453			x	x	x	0	0	4	0	0
454			x	x	x	0	0	0	0	0
455			x	x	x	0	0	1	0	0
456			x	x	x	0	0	1	0	0
457			x	x	x	0	0	17	0	0
458			x	x	x	0	0	46	0	0
459			x	x	x	0	0	0	0	0
460			x	x	x	0	0	18	1	0
461			x	x	x	0	0	3	0	0
462			x	x	x	0	0	11	1	0
463	Inman North, Gallatin	1941	70	10,000	1,000	0	0	4	0	0
464			10	x	0	0	0	1	0	0
465			60	x	1,000	0	0	3	0	0
466	Inman West, Gallatin	1942	320	381,000	69,000	0	0	21	0	0
467			x	x	x	0	0	1	0	0
468			x	x	x	0	0	15	0	0
469			x	x	x	0	0	5	0	0
470			x	x	x	0	0	112	7	3
471	Iola, Clay	1942 ³²	1,500	2,834,000	735,000	0	0	112	7	3
472			x	x	x	0	0	15	7	0
473			x	x	x	0	0	5	0	0
474			x	x	x	0	0	56	0	2
475			x	x	x	0	0	9	0	1
476			x	x	x	0	0	0	0	0
477			x	x	x	0	0	27	0	0
478			x	x	x	0	0	1	1	1
479			x	x	x	0	0	70	0	0
480			x	x	x	0	0	0	0	0
481			x	x	x	0	0	5	0	0
482	Iola West, Clay	1945 ³³	20	500	500	0	0	1	1	1
483	Iron, White	1940	900	3,122,000	181,000	0	0	70	0	0
484			x	x	x	0	0	0	0	0
485			x	x	x	0	0	5	0	0

²⁹ Abandoned 1943.³⁰ Abandoned 1944.³¹ Abandoned 1942, revived 1943, abandoned 1944.³² Abandoned 1940, revived 1941.³³ Abandoned 1945.

TABLE I.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ⁵		Character of Oil ⁶		Producing Formation						Deepest Zone Tested ^b to End of 1945		
	Oil ¹		Gas	Initial	Avg./End 1945	Secondary Recovery ⁴	Gravity, A.P.I. at 60° F. ⁸	Sulphur, Per Cent	Name and Age ⁷	Character ⁴	Porosity, Per Cent ¹	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ± Net	Structure ⁶	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift														
426	0	0	0	z	z	z	z	Waltersburg; MisU	S	P	z	z	z			
427	0	0	6	0	z	z	37.2	Tar Springs; MisU	S	P	z	z	z			
428	0	14	0	z	z	z	0.24	Cypress; MisU	S	P	2,660	15	AL			
429	0	2	0	z	z	z	z	Bethel; MisU	S	P	2,790	10	AL			
430	0	10	0	z	z	z	z	Aux Vases; MisU	S	P	2,920	11	AL			
431	0	3	0	z	z	z	z	McClosky; MisL	L	P	2,967	6	A			
432	0	3	0	z	z	z	z									
433	0	0	0	z	z	z	38.6	McClosky; MisL	L	P	2,598	8	MC	Dev	4,140	
434	0	1	0	z	z	z	39.0	McClosky; MisL	L	P	2,570	6	A	MisL	2,675	
435	0	34	0	z	z	z	z							Dev	2,914	
436	0	z	0	z	z	z	z	Cypress; MisU	S	P	1,180	11	A			
437	0	z	0	z	z	z	32.2	Bethel; MisU	S	P	1,320	7	A			
438	0	z	0	z	z	z	0.21									
439	0	0	0	z	z	z	z	McClosky; MisL	L	P	3,364	3	N	MisL	3,387	
440	0	3	0	z	z	z	z	Bethel; MisU	S	P	1,255	10	AL	Dev	2,610	
441	0	1	0	z	z	z	z	Rosciclare; MisL	SL	P	2,540	13	MC	MisL	2,711	
442	0	1	0	z	z	z	36.4	St. Louis; MisL	L	P	3,000	5	AC	MisL	3,065	
443	0	0	0	z	z	z	z	McClosky; MisL	OL	P	3,100	7	MC	MisL	3,140	
444	0	2	0	z	z	z	z							MisL	2,881	
445	0	1	0	z	z	z	z	Cypress; MisU	S	P	2,526	16	AL			
446	0	1	0	z	z	z	z	McClosky; MisL	L	P	2,832	10	AC			
447	0	3	0	z	z	z	z									
448	0	2	0	z	z	z	30.6	Palestine; MisU	S	P	1,830	10	AL	MisL	3,010	
449	0	0	0	z	z	z	z	Waltersburg; MisU	S	P	1,990	10	AL			
450	0	1	0	z	z	z	z	Aux Vases; MisU	S	P	2,695	12	AL			
451	0	0	0	z	z	z	z	McClosky; MisL	L	P	2,730	10	AC			
452	0	99	0	z	z	z	z							MisL	3,020	
453	0	4	0	z	z	z	24.0	Pennsylvanian; Pen	S	P	780	10	Af			
454	0	0	0	z	z	z	z	Degonia; MisU ⁹	S	P	1,690	10	Af			
455	0	0	0	z	z	z	z	Clore; MisU	S	P	1,725	10	Af			
456	0	1	0	z	z	z	z	Palestine; MisU	S	P	1,840	13	Af			
457	0	17	0	z	z	z	z	Waltersburg; MisU	S	P	1,980	18	ALf			
458	0	43	0	z	z	z	34.6	Tar Springs; MisU	S	P	2,080	15	AF			
459	0	2	0	z	z	z	z	Hardinsburg; MisU	S	P	2,135	10	ALf			
460	0	18	0	z	z	z	35.2	Cypress; MisU	S	P	2,390	12	ALf			
461	0	3	0	z	z	z	z	McClosky; MisL	L	P	2,800	10	ACf			
462	0	11	0	z	z	z	z									
463	0	1	0	z	z	z	z									
464	0	0	0	z	z	z	z	Aux Vases; MisU	S	P	2,815	20	ML	MisL	3,020	
465	0	1	0	z	z	z	36.6	McClosky; MisL	L	P	2,860	15	MC			
466	0	19	0	z	z	z	z									
467	0	1	0	z	z	z	z	Tar Springs; MisU	S	P	2,175	20	AL	MisL	2,990	
468	0	13	0	z	z	z	38.0	Cypress; MisU	S	P	2,485	15	AL			
469	0	0	0	z	z	z	z	McClosky; MisL ⁹	L	P	2,875	8	A			
470	0	5	0	z	z	z	z									
471	0	103	0	z	z	z	z							MisL	2,590	
472	0	0	0	z	z	z	z	Tar Springs; MisU ⁹	S	P	1,890	9	D			
473	0	8	0	z	z	z	z	Cypress; MisU	S	P	2,125	20	D			
474	0	0	0	z	z	z	z	Paint Creek; MisU ⁹	S	P	2,255	9	D			
475	0	5	0	z	z	z	36.0	Bethel; MisU	S	P	2,290	14	D			
476	0	52	0	z	z	z	35.4	Aux Vases; MisU	S	P	2,335	14	D			
477	0	8	0	z	z	z	z	McClosky; MisL	OL	P	2,425	10	ML			
478	0	0	0	z	z	z	z	Paint Creek; MisU ⁹	S	P	2,240	15	D			
479	0	0	0	z	z	z	z	Renault; MisU ⁹	S	P	2,320	9	D			
480	0	0	0	z	z	z	z	Rosciclare; MisL ⁹	SL	P	2,410	7	D			
481	0	30	0	z	z	z	z									
482	0	0	0	z	z	z	z	McClosky; MisL	L	P	2,495	2	z	MisL	2,505	
483	0	60	0	z	z	z	z							MisL	3,246	
484	0	0	0	z	z	z	z	Waltersburg; MisU	S	P	2,270	8	AL			
485	0	4	0	z	z	z	36.4	Tar Springs; MisU	S	P	2,385	12	ALf			

TABLE I.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production		Gas Production		Number of Oil and/or Gas Wells ^f			
			Total Production, Bbl. ^e		Millions Cu. Ft. ^e		Completed to End of 1945	1945		
			Area Proved, Acres ^b	To End of 1945	During 1945	Area Proved, Acres ^b		To End of 1945	During 1945	Completed
486			x	x		0	0	38	0	0
487			x	x		0	0	2	0	0
488			x	x		0	0	1	0	0
489			x	x		0	0	21	0	0
490			x	x		0	0	3	0	0
491	Irington, Washington	1940	920	3,649,000	358,000	0	0	88	4	0
492			x	x	x	0	0	2	0	0
493			x	x	x	0	0	78	4	0
494			x	x	x	0	0			
495			100	x	59,000	0	0	7	0	0
496			x	x	x			1	0	0
497	Johnsonville Consolidated, Wayne	1941	6,000	17,162,000	1,800,000	0	0	303	20	2
498			x	x	x	0	0	60	1	0
499			x	x	x	0	0	4	0	0
500			x	x	x	0	0	3	0	0
501			x	x	x	0	0	218	16	2
502			x	x	x	0	0	18	3	0
503	Johnsonville North, Wayne	1943	40	25,000	7,000	0	0	1	0	0
504			x	x	x	0	0			
505			x	x	x	0	0			
506			x	x	x			1	0	0
507	Johnsonville South, Wayne	1942	50	14,000	1,000	0	0	3	0	1
508			10	x	x	0	0	1	0	1
509			40	x	x	0	0	2	0	0
510	Johnsonville West, Wayne	1942 ⁸⁴	30	4,000	1,000	0	0	2	0	0
511			10	x	x	0	0	1	0	0
512			20	x	x	0	0	1	0	0
513	Junction, Gallatin	1939	150	227,000	16,000	0	0	14	0	0
514	Keensburg Consolidated, Wabash	1939	1,940	6,611,000	436,000	0	0	255	1	6
515			x	x	x	0	0	17	0	0
516			x	x	x	0	0	1	0	0
517			x	x	x	0	0	4	0	0
518			x	x	x	0	0	0	0	0
519			x	x	x	0	0	211	1	5
520			x	x	x	0	0	2	0	0
521			x	x	x	0	0	1	0	0
522			x	x	x	0	0	6	0	1
523			x	x	x			13	0	0
524	Keensburg East, Wabash	1939 ⁸⁵	60	6,000	x	0	0	3	1	0
525			40	x	x	0	0	2	0	0
526			20	x	x	0	0	1	1	0
527	Keensburg South, Wabash	1944	40	34,000	19,000	0	0	3	1	0
528			20	13,000	9,000	0	0	2	1	0
529			20	21,000	10,000	0	0	1	0	0
530	Keenville, Wayne	1945	20	6,000	6,000	0	0	2	2	1
531	Kell, Jefferson	1942 ⁸⁶	10	3,000	0	0	0	1	0	0
532	Kenner, Clay	1942	560	270,000	167,000	0	0	43	16	1
533			x	x	x	0	0	1	1	0
534			x	x	x	0	0	40	14	0
535			x	x	x	0	0			
536			x	x	x	0	0	1	1	1
537			x	x	x			1	0	0
538	King, Jefferson	1942	670	655,000	174,000	0	0	33	3	3
539			x	x	x	0	0	24	3	1
540			x	x	x	0	0			
541			x	x	x	0	0	2	0	0
542			x	x	x	0	0			
543			x	x	x			7	0	2
544	LaCiede, Fayette	1943	40	4,000	2,000	0	0	1	0	0
545	Lakewood, Shelby	1941	20	36,000	6,000	0	0	2	0	0
546			x	x	x	0	0	1	0	0
547			x	x	x	0	0	1	0	0

⁸⁴ Abandoned 1942, revived 1943.⁸⁵ Abandoned 1943, revived 1945.⁸⁶ Abandoned 1944.

TABLE I.—(Continued)

Line Number	Wells Producing? Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^s		Character of Oil ¹		Producing Formation						Deepest Zone Tested ^o to End of 1945		
	Oil ¹			Initial	Avg./End 1945	Secondary Recovery ^a	Gravity A.P.I. at 60°F. ⁶	Sulphur, Per Cent	Name and Age ¹	Character ²	Porosity, Per Cent ¹	Depth to Top of Producing Zone, Ft. ²⁰	Productive Thickness, Avg. Ft., ²¹ Net	Structure ^o	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas													
486	0	32	0	s	s		38.4	0.30	Hardinsburg; MisU	S	P	2,500	18	AF		
487	0	2	0	s	s		38.0	s	Cypress; MisU	S	P	2,720	20	AL		
488	0	0	0	s	s		s	s	Bethel; MisU	S	P	2,850	15	AL		
489	0	17	0	s	s		39.0	0.20	McClosky; MisL	OL	P	3,060	15	ACF		
490	0	5	0						"							
491	0	86	0						"						Dev	3,362
492	0	1	0				s	s	Cypress; MisU	S	P	1,380	10	A		
493	0	73	0	s	s		37.6	0.16	Bethel; MisU	S	P	1,535	10	A		
494	0			s	s		s	s	Aux Vases; MisU ⁹	S	P	1,605	s	A		
495	0	7	0	s	s		39.0	0.27	Devonian; Dev	L	Cav	3,090	5	A		
496	0	5	0						"							
497	0	285	0						"						Dev	5,198
498	0	60	0	s	s		39.4	0.14	Aux Vases; MisU	S	P	3,020	20	AL		
499	0	3	0	s	s		s	s	Lower O'Hara; MisL	OL	P	3,120	10	AC		
500	0	2	0	s	s		s	s	Rosciclare; MisL	OL	P	3,150	8	AC		
501	0	188	0	s	s		39.4	0.16	McClosky; MisL	OL	P	3,169	15	AC		
502	0	32	0						"							
503	0	1	0				s	s	Lower O'Hara; MisL ⁹	OL	P	3,192	5	AC	MisL	3,320
504				s	s		s	s	McClosky; MisL ⁹	OL	P	3,254	3	AC		
505				s	s		s	s	"							
506	0	1	0						"							
507	0	1	0						"							
508	0	0	0				39.0	s	Aux Vases; MisU	S	P	3,087	20	s	MisL	3,266
509	0	1	0	s	s		s	s	McClosky; MisL	OL	P	3,180	3	s		
510	0	1	0						"							
511	0	1	0	s	s		s	s	Aux Vases; MisU	S	P	2,970	13	ML		
512	0	0	0	s	s		s	s	McClosky; MisL ¹	OL	P	3,107	2	MC		
513	0	14	0	s	s		37.2	0.22	Waltersburg; MisU	S	P	1,765	15	AF	MisL	2,710
514	0	180	0			W			"						MisL	3,065
515	0	11	0	s	s		38.0	s	Bieh; Pen	S	P	1,720	10	AL		
516	0	1	0	s	s		s	s	Clore; MisU	S	P	1,830	10	AL		
517	0	2	0	s	s		s	s	Palestine; MisU	S	P	1,900	13	AL		
518	0	0	0	s	s		s	s	Tar Springs; MisU	S	P	2,100	15	AL		
519	0	150	0	s	s		38.6	0.29	Cypress; MisU	S	P	2,250	18	A		
520	0	2	0	s	s		s	s	Paint Creek; MisU	S	P	2,550	12	AL		
521	0	1	0	s	s		36.6	s	Bethel; MisU	S	P	2,575	18	AL		
522	0	3	0	s	s		37.7	0.38	McClosky; MisL	OL	P	2,800	7	AC		
523	0	10	0						"							
524	0	1	0						"							
525	0	0	0	s	s		37.6	0.26	McClosky; MisL	OL	P	2,710	6	MC	MisL	2,741
526	0	1	0	s	s		s	s	Lower O'Hara; MisL	OL	P	2,716	6	MC		
527	0	3	0						"						MisL	2,882
528	0	2	0	300±	s		s	s	Pennsylvanian; Pen	S	P	1,140	15	AL		
529	0	1	0	s	s		s	s	McClosky; MisL ¹	OL	P	2,714	10	AC		
530	0	1	0	s	s		s	s	Aux Vases; MisU	S	P	2,980	5	AL	MisL	3,158
531	0	0	0	s	s		36.2	0.26	McClosky; MisL	L	P	2,625	6	A	MisL	2,720
532	0	42	0						"						MisL	3,035
533	0	1	0	s	s		s	s	Tar Springs; MisU	S	P	2,200	5	s		
534	0	40	0	s	s		36.8	0.22	Bethel; MisU	S	P	2,660	10	AC		
535	0			s	s		s	s	Aux Vases; MisU ⁹	S	P	2,820	9	A		
536	0	0	0	s	s		s	s	McClosky; MisL	L	P	2,928	7	s		
537	0	1	0						"							
538	0	25	0						"							
539	0	22	0	s	s		38.6	0.17	Aux Vases; MisU	S	P	2,730	20	AL	Dev	4,760
540				s	s		s	s	Lower O'Hara; MisL ⁹	L	P	2,770	10	AC		
541	0	1	0	s	s		39.6	0.16	Rosciclare; MisL	SL	P	2,815	10	AC		
542				s	s		s	s	McClosky; MisL ⁹	L	P	2,840	7	AC		
543	0	2	0						"							
544	0	1	0	s	s		s	s	Bethel; MisU	S	P	2,335	20	T	MisL	2,608
545	0	2	0						"						MisL	1,875
546	0	1	0	s	s		29.6	s	Bethel; MisU	S	P	1,692	9	s		
547	0	1	0	s	s		31.7	0.23	Aux Vases; MisU	S	P	1,723	9	s		

TABLE I.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^b		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^b	Millions Cu. Ft. ^c		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
548	Lancaster, Wabash, Lawrence	1940	1,100	1,519,000	583,000		0	0	94	24	3
549			x	x	x		0	0	4	0	0
550			x	x	x		0	0	59	24	0
551			x	x	x		0	0	1	0	0
552			x	x	x		0	0	29	0	3
553			x	x	x		0	0	1	0	0
554	Lancaster East, Wabash	1944	10	1,500	1,500		0	0	1	0	0
555	Lancaster West, Edwards, Wabash	1943	80	131,000	53,000		0	0	4	0	0
556			60	x	x		0	0	4	0	0
557			20	x	x		0	0	1	0	0
558	Leech Township, Wayne	1938	280	480,000	41,000		0	0	16	2	0
559			x	x	x		0	0			
560			x	x	x		0	0			
561			x	x	x		0	0	15	1	0
562			x	x	x		0	0	1	1	0
563	Louden, Fayette, Effingham	1937	20,650	121,988,000	9,380,000	80	x	31.5	1,987	0	5
564						80	x	31.5	2	0	0
565			20,080	x	x		0	0	949	0	2
566			11,000	x	x		0	0	323	0	0
567			7,010	x	x		0	0	420	0	3
568			x	x	x		0	0	0	0	0
569			3,130	8,354,000	1,431,000		0	0	84	0	0
570									211	0	0
571	McKinley, Washington	1940	80	187,000	7,000		0	0	8	0	0
572			60	x	x		0	0	7	0	0
573			20	x	0		0	0	1	0	0
574	Maple Grove, Edwards	1943	520	720,000	178,000		0	0	20	2	0
575	Maple Grove East, Edwards	1944	120	18,000	6,000		0	0	3	0	0
576	Maple Grove South, Edwards	1945	20	5,000	5,000		0	0	1	1	0
577	Marcoe, Jefferson	1938 ³⁷	20	12,500	0		0	0	2	0	0
578	Marine, Madison	1943	1,160	1,326,000	828,000		0	0	56	28	0
579	Markham City, Jefferson	1942	660	840,000	102,000		0	0	19	0	3
580			x	x	x		0	0	0	0	0
581			x	x	x		0	0	18	0	3
582			x	x	x		0	0	1	0	0
583	Markham City North, Jefferson, Wayne	1943	480	570,000	98,000		0	0	15	0	1
584			x	x	x		0	0	2	0	1
585			x	x	x		0	0	13	0	0
586	Markham City West, Jefferson	1945	10	1,000	1,000		0	0	1	1	0
587	Mason, Effingham	1940	100	181,000	10,000		0	0	9	0	0
588	Mason South, Effingham	1941	660	913,000	257,000		0	0	57	11	2
589			x	x	x		0	0	21	0	0
590			x	x	x		0	0	10	7	0
591			x	x	x		0	0	5	1	0
592			x	x	x		0	0	3	0	2
593			x	x	x		0	0	18	3	0
594	Mattoon, Coles	1939 ³⁹	1,960	506,000	445,000		0	0	73	61	0
595			x	x	x		0	0	8	6	0
596			x	x	x		0	0	44	35	0
597			x	x	x		0	0	1	0	0
598			x	x	x		0	0	20	20	0
599	Maud, Wabash	1940	250	390,000	25,000		0	0	20	0	0
600			x	x	x		0	0	2	0	0
601			x	x	x		0	0	0	0	0
602			x	x	x		0	0	1	0	0
603			x	x	x		0	0	0	0	0
604			x	x	x		0	0	1	0	0
605			x	x	x		0	0	14	0	0
606			x	x	x		0	0	2	0	0
607	Maunie, White	1941	60	37,000	8,000		0	0	3	0	0
608			x	x	x		0	0	2	0	0
609			x	x	x		0	0	1	0	0
610	Maunie North, White	1941	240	171,000	49,000		0	0	13	0	0

³⁷ Abandoned 1941.³⁹ Abandoned 1939, revived 1940.

TABLE 1.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Secondary Recovery ^b	Character of Oil ^c		Producing Formation					Deepest Zone Tested ^d to End of 1945		
	Flowing	Oil ¹		Initial	Avg./End 1945		Gravity, A.P.L. at 60°F. ^e	Sulphur, Per Cent	Name and Age ^f	Character ^g	Porosity, Per Cent ^h	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ⁿ Net	Structure ^o	Name	Depth of Hole, Ft.
		Artificial Lift	Gas													
548	0	73	0													
549	0	4	0													
550	0	56	0													
551	0	1	0													
552	0	11	0													
553	0	1	0													
554	0	1	0													
555	0	4	0													
556	0	3	0													
557	0	1	0													
558	0	12	0													
559																
560																
561	0	11	0													
562	0	1	0													
563	125	1,762	2													
564	0	2	0													
565	23				231											
566	0				266											
567	0				275											
568	0	2	0													
569	17	65	0		1,250											
570	85	548	0													
571	0	4	0													
572	0	0														
573	0	4	0													
574	0	20	0													
575	0	3	0													
576	0	1	0													
577	0	1	0													
578	0	56	600													
579	0	14	0													
580	0	2	0													
581	0	12	0													
582	0	0	0													
583	0	13	0													
584	0	2	0													
585	0	11	0													
586	0	1	0													
587	0	5	0													
588	0	52	0													
589	0	21	0													
590	0	10	0													
591	0	2	0													
592	0	1	0													
593	0	18	0													
594	2	68	0													
595	0	6	0													
596	2	42	0													
597	0	0	0													
598	0	20	0													
599	0	15	0													
600	0	2	0													
601	0	1	0													
602	0	1	0													
603	0	1	0													
604	0	0	0													
605	0	8	0													
606	0	2	0													
607	0	2	0													
608	0	1	0													
609	0	1	0													
610	0	13	0													

³⁸ Reef structure.

1762
125
1087

TABLE I.—(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		1945	
				To End of 1945	During 1945		To End of 1945	During 1945	Completed to End of 1945	Completed
611			x	x	x	0	0			
612			x	x	x	0	0	0	0	0
613			x	x	x	0	0	5	0	0
614			x	x	x	0	0	1	0	0
615			x	x	x	0	0	0	0	0
616			x	x	x	0	0	5	0	0
617			x	x	x	0	0	2	0	0
618	Maunie South, White.....	1941	960	1,799,000	184,000	0	0	83	32	0
619			x	x	x	0	0	4	0	0
620			x	x	x	0	0	5	1	0
621			x	x	x	0	0	33	0	0
622			x	x	x	0	0	1	0	0
623			x	x	x	0	0	24	0	0
624			x	x	x	0	0	1	0	0
625			x	x	x	0	0	9	0	0
626			x	x	x	0	0	0	0	0
627			x	x	x	0	0	0	0	0
628			x	x	x	0	0	6	0	0
629	Maunie West, White.....	1945	20	10,000	10,000	0	0	1	1	0
630	Mayberry, Wayne.....	1941	200	223,000	28,000	0	0	6	0	0
631	Mill Shoals, White, Hamilton, Wayne.....	1939	1,950	3,803,000	351,000	0	0	134	0	1
632			x	x	x	0	0	107	0	1
633			x	x	x	0	0			
634			x	x	x	0	0	0	0	0
635			x	x	x	0	0	23	0	0
636			x	x	x	0	0	4	0	0
637	Mt. Auburn, Christian.....	1943	60	11,000	4,000	0	0	2	1	0
638	Mt. Carmel, Wabash.....	1940	3,360	5,874,000	834,000	x	x	357	28	6
639			x	x	x	0	0	42	2	1
640			x	x	x	0	0	3	0	0
641			x	x	x	0	0	1	0	0
642			x	x	x	0	0	6	0	0
643			x	x	x	0	0			
644			x	x	x	x	x	219	9	2
645			x	x	x	0	0	2	0	0
646			x	x	x	0	0	3	2	0
647			x	x	x	0	0	3	1	0
648			x	x	x	0	0	37	2	3
649			x	x	x	0	0	40	9	0
650	Mt. Carmel West, Wabash.....	1939	60	16,000	3,000	0	0	4	0	0
651			x	x	x	0	0	2	0	0
652			x	x	x	0	0	2	0	0
653	Mt. Erie North, Wayne.....	1944	70	20,000	4,000	0	0	4	0	0
654			10	10,000	4,000	0	0	1	0	0
655			60	10,000	100	0	0	3	0	0
656	Mt. Erie South, Wayne.....	1939 ⁴⁰	360	179,000	61,000	0	0	9	0	0
657			x	x	x	0	0	3	0	0
658			x	x	x	0	0	2	0	0
659			x	x	x	0	0	2	0	0
660			x	x	x	0	0	2	0	0
661	Mt. Olive, Montgomery.....	1942	30	1,000	0	0	0	3	0	0
662	Mt. Vernon, Jefferson.....	1943	160	103,000	33,000	0	0	7	0	2
663			x	x	x	0	0	3	0	1
664			x	x	x	0	0			
665			x	x	x	0	0			
666			x	x	x	0	0	3	0	1
667	Nason, Jefferson.....	1943	20	7,000	2,000	0	0	1	0	0
668	New Bellaire, Crawford.....	1942	20	9,000	500	0	0	2	0	0
669	New Harmony Griffin Consolidated, White, Wabash.....	1939	8,900	35,906,000	3,763,000	0	0	863	34	4
670			x	x	x	0	0	2	0	0
671			x	x	x	0	0	12	0	0
672			x	x	x	0	0	1	0	0
673			x	x	x	0	0	22	0	0

⁴⁰ Abandoned 1941, revived 1942.

TABLE I.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Character of Oil ^c		Producing Formation						Deepest Zone Tested ^d to End of 1945		
	Oil ¹			Initial	Avg./End 1945	Secondary Recovery ^b	Gravity A.P.I. at 60°F. ^e	Sulphur, Per Cent	Name and Age ^f	Character ^g	Porosity, Per Cent ^h	Depth to Top of Producing Zone, Ft. ^m ,	Productive Thickness Avg. Ft., Net	Structure ^o	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas													
611	0	1	0	x	x		x	x	Cypress; MisU ⁹	S	P	2,660	12	AL		
612	0	4	0	x	x		x	x	Paint Creek; MisU	S	P	2,775	11	AL		
613	0	1	0	x	x		36.5	x	Bethel; MisU	S	P	2,825	15	AL		
614	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,940	18	AL		
615	0	2	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,015	5	AC		
616	0	4	0	x	x		x	x	McClosky; MisL	OL	P	3,075	16	AC		
617	0	79	0	x	x											
618	0	5	0	x	x		37.0	x	Bridgeport; Pen	S	P	1,400	20	AL	MisL	3,091
619	0	30	0	x	x		x	x	Degonia; MisU	S	P	1,905	12	AL		
620	0	1	0	x	x		33.8	0.28	Palestine; MisU	S	P	2,010	18	AL		
621	0	1	0	x	x		x	x	Waltersburg; MisU	S	P	2,210	19	AL		
622	0	22	0	x	x		38.0	x	Tar Springs; MisU	S	P	2,240	15	AL		
623	0	1	0	x	x		39.0	x	Cypress; MisU	S	P	2,565	8	AL		
624	0	9	0	x	x		x	x	Aux Vases; MisU	S	P	2,845	14	AL		
625	0	1	0	x	x		x	x	Rosiclare; MisU ⁹	SL	P	2,904	6	MC		
626	0	6	0	x	x		x	x	McClosky; MisL	OL	P	2,870	2	MC		
627	0	1	0	x	x		x	x								
628	0	1	0	x	x		x	x	McClosky; MisL	OL	P	3,038	3	MC	MisL	3,149
629	0	5	0	x	x		38.0	0.16	McClosky; MisL	OL	P	3,340	12	AC	Dev	5,377
630	0	105	0	x	x											
631	0	77	0	x	x		39.8	0.14	Aux Vases; MisU	S	P	3,220	16	A	MisL	3,520
632	0	2	0	x	x		x	x	Lower O'Hara; MisL ⁹	OL	P	3,317	11	AC		
633	0	23	0	x	x		x	x	Rosiclare; MisL	SL	P	3,344	8	AC		
634	0	3	0	x	x		38.0	0.16	McClosky; MisL	OL	P	3,440	5	AC		
635	0	323	x	x	x	G	36.6	0.28	Silurian; Sil	L	P	1,900	14	M	Sil	1,998
636	0	35	0	x	x		32.0	x								
637	0	3	0	x	x		x	x	Biehl; Pen	S	P	1,470	25	AL	MisL	2,475
638	0	1	0	x	x		x	x	Jordan; Pen	S	P	1,520	15	AL		
639	0	6	0	x	x		x	x	Palestine; MisU	S	P	1,540	10	AL		
640	0	1	0	x	x		x	x	Tar Springs; MisU	S	P	1,790	15	AL		
641	0	200	x	x	x		38.4	x	Jackson; MisU ⁹	S	P	2,020	25	AL		
642	0	3	0	x	x		x	x	Cypress; MisU	S	P	2,025	15	AL		
643	0	2	0	x	x		x	x	Bethel; MisU	S	P	2,110	15	AL		
644	0	3	0	x	x		x	x	Lower O'Hara; MisL	OL	P	2,320	5	AC		
645	0	3	0	x	x		36.6	0.36	Rosiclare; MisL	S	P	2,350	5	AC		
646	0	30	0	x	x		38.4	0.42	McClosky; MisL	OL	P	2,360	5	AC		
647	0	40	0	x	x											
648	0	2	0	x	x		x	x								
649	0	1	0	x	x		30.0	0.25	Waltersburg; MisU	S	P	1,878	11	ML	MisL	3,500
650	0	1	0	x	x		x	x	Tar Springs; MisU	S	P	1,930	6	ML		
651	0	3	0	x	x		x	x								
652	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	3,100	19	ML	MisL	3,354
653	0	7	0	x	x		x	x	McClosky; MisL	OL	P	3,236	4	MC		
654	0	2	0	x	x		37.2	0.14	Aux Vases; MisU	S	P	3,070	15	AL	MisL	3,280
655	0	2	0	x	x		x	x	Lower O'Hara; MisL	OL	P	3,120	8	AC		
656	0	2	0	x	x		x	x	Rosiclare; MisL	OL	P	3,155	10	AC		
657	0	1	0	x	x		31.7	x	McClosky; MisL	OL	P	3,165	10	AC		
658	0	1	0	x	x		33.2	0.16	Pottsville; Pen	S	P	600	5	A	Pen	743
659	0	1	0	x	x		x	x								
660	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,680	10	AL	MisL	3,008
661	0	1	0	x	x		x	x	Lower O'Hara; MisL ⁹	L	P	2,755	5	AC		
662	0	1	0	x	x		x	x	McClosky; MisL	L	P	2,800	6	AC		
663	0	2	0	x	x		x	x								
664	0	1	0	x	x		x	x	Rosiclare; MisL	S	P	2,790	10	ML	MisL	2,805
665	0	1	0	x	x		x	x	Pennsylvanian; Pen	S	P	1,170	30	MC	Dev	2,760
666	0	834	0	x	x	G										
667	0	2	0	x	x		x	x								
668	0	12	0	x	x		x	x	Jamestown; Pen	S	P	717	13	AL	MisL	3,220
669	0	1	0	x	x		x	x	Biehl; Pen	S	P	1,850	20	AL		
670	0	1	0	x	x		x	x	Clare; MisU	S	P	1,980	10	AL		
671	0	21	0	x	x		37.6	0.49	Waltersburg; MisU	S	P	2,155	20	AL		

TABLE I.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production		Gas Production		Number of Oil and/or Gas Wells ^d				
			Total Production, Bbl. ^c		Millions Cu. Ft. ^e		1945				
			Area Proved, Acres ^b	To End of 1945	During 1945	Area Proved, Acres ^b	To End of 1945	During 1945	Completed to End of 1945	Completed	Abandoned
674			x	x		0	0	37	2	0	
675			x	x		0	0	125	1	0	
676			x	x		0	0	12	0	0	
677			x	x		0	0	134	0	2	
678			x	x		0	0	204	22	0	
679			x	x		0	0	0	0	0	
680			x	x		0	0	2	0	0	
681			x	x		0	0	110	4	2	
682			x	x		0	0	202	5	0	
683	New Harmony South, White.....	1941	60	45,000	4,000	0	0	4	0	0	
684			x	x	x	0	0	1	0	0	
685			x	x	x	0	0	1	0	0	
686			x	x	x	0	0	1	0	0	
687			x	x	x	0	0	1	0	0	
688	New Haven, White.....	1941	340	502,000	47,000	0	0	23	1	0	
689			x	x	x	0	0	4	0	0	
690			x	x	x	0	0	1	0	0	
691			x	x	x	0	0	7	0	0	
692			x	x	x	0	0	5	0	0	
693			x	x	x	0	0	1	0	0	
694			x	x	x	0	0	5	1	0	
695	New Haven North, White.....	1944	20	11,000	8,000	0	0	2	0	0	
696	New Haven West, Gallatin.....	1944	160	205,000	150,000	0	0	15	7	1	
697	Newton, Jasper.....	1944	20	1,000	1,000	0	0	1	0	0	
698	Newton North, Jasper.....	1945	20	1,000	1,000	0	0	1	1	0	
699	Noble, Richland, Clay.....	1937	5,600	19,774,000	2,699,000	x	x	311	42	7	
700			x	x	x	x	x	47	2	1	
701			x	x	x	0	0	1	1	0	
702			x	x	x	0	0	0	0	0	
703			x	x	x	x	x	262	38	6	
704			x	x	x	x	x	1	1	0	
705	Noble North, Richland.....	1938	1,850	3,508,000	324,000	x	x	98	2	0	
706			x	x	x	x	x	91	0	0	
707			x	x	x	x	x	7	2	0	
708			x	x	x	x	x	0	0	0	
709	Noble South, Richland.....	1937	130	551,000	28,000	0	0	11	0	0	
710	Odin, Marion.....	1945	210	84,000	84,000	0	0	21	21	0	
711	Olney, Richland.....	1937	830	1,594,000	95,000	0	0	50	0	2	
712			x	x	x	0	0	1	0	0	
713			x	x	x	0	0	49	0	2	
714	Olney East, Richland.....	1944	420	350,000	342,000	0	0	21	20	0	
715	Olney South, Richland.....	1938 ⁴¹	40	x	0	0	0	2	0	0	
716	Omaha, Gallatin.....	1940	350	1,100,000	137,000	x	x	21	0	0	
717			x	x	x	0	0	17	0	0	
718			x	x	x	x	x	4	0	0	
719	Parkersburg Consolidated, Richland, Edwards.....	1941	1,680	3,705,000	375,000	x	x	63	15	4	
720			x	x	x	0	0	1	0	0	
721			x	x	x	0	0	1	0	0	
722			x	x	x	0	0	1	0	0	
723			x	x	x	0	0	0	0	0	
724			x	x	x	0	0	59	14	4	
725			x	x	x	0	0	1	1	0	
726	Parkersburg North, Richland.....	1945	20	1,000	1,000	0	0	1	1	0	
727	Parkersburg West, Richland, Edwards....	1943	110	53,000	17,000	0	0	4	1	1	
728			20	x	x	0	0	1	1	0	
729			90	x	x	0	0	3	0	1	
730	Passport, Clay.....	1945	80	42,000	42,000	0	0	4	4	0	
731			x	x	x	0	0	1	1	0	
732			x	x	x	0	0	2	2	0	
733			x	x	x	0	0	1	1	0	
734	Patoka, Marion.....	1937	970	5,077,000	1,309,000	0	0	158	9	0	
735			x	x	x	0	0	153	9	0	
736			x	x	x	0	0	4	0	0	

⁴¹ Abandoned 1938.

TABLE I.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Character of Oil ^c		Producing Formation						Deepest Zone Tested ^d to End of 1945		
	Oil ¹			Initial	Avg./End 1945	Secondary Recovery ^e	Gravity, A.P.I. at 60° F. ³	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	Gas													
674	0	36	0	z	z		36.8	0.19	Tar Springs; MisU	S	P	2,215	20	AL		
675	0	122	0	z	z		39.0	z	Cypress; MisU	P	P	2,570	30	AL		
676	0	12	0	z	z		38.0	z	Paint Creek; MisU	S	P	2,660	20	AL		
677	0	128	0	z	z		36.0	0.24	Bethel; MisU	P	P	2,700	25	A		
678	0	201	0	z	z		36.4	0.19	Aux Vases; MisU	S	P	2,825	15	AC		
679	0	0	0	z	z		z	z	Lower O'Hara; MisL	OL	P	2,900	5	AC		
680	0	2	0	z	z		z	z	Rosiclare; MisL	SL	P	2,905	10	AC		
681	0	104	0	z	z		39.2	0.20	McClosky; MisL	OL	P	2,925	8	AC		
682	0	193	0						ii							
683	0	1	0													
684	0	1	0	z	z		z	z	Waltersburg; MisU	S	P	2,250	20	MF	MisL	3,207
685	0	0	0	z	z		z	z	Tar Springs; MisU	P	P	2,355	16	MF		
686	0	0	0	z	z		z	z	Bethel; MisU	S	P	2,820	15	MF		
687	0	0	0	z	z		38.0	z	McClosky; MisL	OL	P	3,010	8	MF		
688	0	23	0													
689	0	5	0	z	z		36.4	0.27	Tar Springs; MisU	S	P	2,100	10	ALf		
690	0	1	0	z	z		38.0	z	Hardinsburg; MisU	S	P	2,250	10	ALf		
691	0	6	0	z	z		38.0	z	Cypress; MisU	P	P	2,435	12	ALf		
692	0	5	0	z	z		39.0	z	Aux Vases; MisU	S	P	2,715	17	ALf		
693	0	1	0	z	z		38.0	z	McClosky; MisL	OL	P	2,830	6	MC		
694	0	5	0						ii							
695	0	2	0	z	z		z	z	Tar Springs; MisU	S	P	2,175	10	ML	MisL	2,986
696	0	14	0	z	z		z	z	Tar Springs; MisU	S	P	2,100	20	Af	MisL	2,950
697	0	1	0	z	z		z	z	McClosky; MisL	L	P	2,930	5	MC	MisL	3,022
698	0	1	0	z	z		z	z	McClosky; MisL	L	P	2,856	5	MC	MisL	2,863
699	0	260	z			W										
700	0	40	z	z	z		38.0	0.27	Cypress; MisU	S	P	2,550	25	A		
701	0	1	0	z	z		z	z	Aux Vases; MisU	S	P	2,920	15	ML		
702	0	1	0	z	z		z	z	Lower O'Hara; MisL	OL	P	2,957	2	AC		
703	0	213	z	z	z		39.0	0.17	McClosky; MisL	OL	P	2,960	6	AM		
704	0	5	0						ii							
705	0	96	2													
706	0	90	1	z	z		z	z	Cypress; MisU	S	P	2,560	20	A	MisL	3,063
707	0	5	1	z	z		z	z	McClosky; MisL	L	P	2,940	7	AM		
708	0	1	0						ii							
709	0	8	0	z	z		z	z	McClosky; MisL	L	P	3,045	5	AM	MisL	3,151
710	0	21	0	z	z		z	z	Cypress; MisU	S	P	1,750	13	Al	MisU	1,934
711	0	30	0													
712	0	2	0	z	z		z	z	Lower O'Hara; MisL	OL	P	3,060	8	A		
713	0	28	0	z	z		37.2	0.19	McClosky; MisL	OL	P	3,050	10	A		
714	1	20	0	z	z		z	z	McClosky; MisL	OL	P	3,080	10	A	MisL	3,094
715	0	0	0	z	z		z	z	McClosky; MisL	OL	P	3,067	10	x	MisL	3,120
716	0	18	z			W										
717	0	13	0	z	z		25.9	0.23	Palestine; MisU	S	P	1,690	20	D		
718	0	5	z	z	z		27.0	0.24	Tar Springs; MisU	S	P	1,880	15	D		
719	0	55	0													
720	0	1	0	z	z		z	z	Cypress; MisU	S	P	2,830	12	A	MisL	3,276
721	0	0	0	z	z		z	z	Bethel; MisU	S	P	2,930	10	A		
722	0	0	0	z	z		z	z	Lower O'Hara; MisL	OL	P	3,070	10	AC		
723	0	0	0	z	z		z	z	Rosiclare; MisL ⁹	SL	P	3,100	7	A		
724	0	47	0	z	z		38.0	0.31	McClosky; MisL	OL	P	3,135	9	A		
725	0	7	0						ii							
726	0	1	0	z	z		z	z	McClosky; MisL	L	P	3,087	6	x	MisL	3,132
727	0	3	0													
728	0	1	0	z	z		z	z	Lower O'Hara; MisL	L	P	3,220	4	AC	MisL	3,331
729	0	2	0	z	z		z	z	McClosky; MisL	OL	P	3,250	5	AC		
730	0	4	0													
731	0	1	0				z	z	Rosiclare; MisL	SL	P	3,000	2	A		
732	0	2	0	z	z		z	z	McClosky; MisL	L	P	3,005	8	A		
733	0	1	0						ii							
734	0	105	0			W										
735	0	100	0	z	z		39.5	0.16	Bethel; MisU	S	P	1,410	25	D		
736	0	4	0	z	550		40.9	0.31	Rosiclare; MisL	S	P	1,560	15	D		

TABLE I.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production		Gas Production		Number of Oil and/or Gas Wells ^c				
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^b	Millions Cu. Ft. ^c		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
737											
738	Patoka East, Marion.....	1941	500	2,460,000	12,000	0	0	1	0	0	
739					285,000	0	0	59	0	0	
740						0	0	54	0	0	
741	Patton, Wabash.....	1940	110	22,000	9,000	0	0	5	0	0	
742						0	0	8	0	0	
743						0	0	5	0	0	
744						0	0	1	0	0	
745						0	0	1	0	0	
746						0	0	1	0	0	
747	Patton West, Wabash.....	1943	500	190,000	93,000	0	0	33	2	0	
748						0	0	2	2	0	
749						0	0	18	5	0	
750						0	0	0	0	0	
751						0	0	3	0	0	
752						0	0	0	0	0	
753						0	0	1	0	0	
754						0	0	5	0	0	
755						0	0	4	0	0	
756	Phillipstown Consolidated, White.....	1939	2,400	3,722,000	1,247,000	0	0	161	32	1	
757						0	0	3	0	0	
758						0	0	7	1	0	
759						0	0	7	0	0	
760						0	0	18	7	0	
761						0	0	2	0	0	
762						0	0	2	0	0	
763						0	0	0	0	0	
764						0	0	41	1	0	
765						0	0	0	0	0	
766						0	0	3	0	0	
767						0	0	15	4	0	
768						0	0	9	6	0	
769						0	0	0	0	0	
770						0	0	3	0	0	
771						0	0	20	5	1	
772						0	0	31	8	0	
773	Plainview, Macoupin.....	1942	10	800	0	0	0	1	0	0	
774	Posey, Clinton.....	1941	20	5,000	500	0	0	2	0	0	
775	Raymond, Montgomery.....	1940	80	6,000	2,000	0	0	6	0	0	
776	Rinard, Wayne.....	1937 ⁴²	20	15,000	0	0	0	2	0	0	
777	Roaches, Jefferson.....	1938	160	470,000	17,000	0	0	12	0	0	
778						0	0	2	0	0	
779						0	0	5	0	0	
780						0	0	4	0	0	
781						0	0	1	0	0	
782	Roaches North, Jefferson.....	1944	400	536,000	387,000	0	0	34	6	0	
783						0	0	32	6	0	
784						0	0	1	0	0	
785						0	0	1	0	0	
786	Roland, White, Gallatin.....	1940	2,500	5,885,000	959,000	0	0	163	11	4	
787						0	0	71	2	0	
788						0	0	3	0	0	
789						0	0	21	8	1	
790						0	0	0	0	0	
791						0	0	16	0	2	
792						0	0	16	1	0	
793						0	0	0	0	0	
794						0	0	1	0	1	
795						0	0	35	0	0	
796	Ruark, Lawrence.....	1941	20	4,000	1,000	0	0	2	0	0	
797	Rural Hill, Hamilton.....	1941	3,100	8,652,000	690,000	0	0	203	3	5	
798						0	0	0	0	0	
799						0	0	0	0	0	
800						0	0	0	0	0	

⁴² Abandoned 1941.

TABLE I.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ⁵		Secondary Recovery ⁴	Character of Oil ²		Producing Formation					Deepest Zone Tested ^b to End of 1945		
	Oil ¹		Gas	Initial	Avg./End 1946		Gravity, A.P.I. at 60°F. ⁵	Sulphur, Per Cent	Name and Age ³	Character ⁶	Porosity, Per Cent ¹	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ± Net	Structure ⁶	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift														
737	0	1	0	s	1,200		40.0	0.28	Devonian; Dev	L	P	2,835	8	D	MisL	1,740
738	0	54	0	0												
739	0	47	0	s			36.1	0.23	Cypress; MisU	s	P	1,340	19	A		
740	0	7	0	s			36.1	0.23	Bethel; MisU	s	P	1,465	10	A		
741	0	6	0	0												
742	0	6	0	s					Bieh1; Pen	s	P	1,470	15	AL		
743	0	4	0	s					Tar Springs; MisU	s	P	1,685	6	AL		
744	0	0	0	s					Rosiclare; MisL ⁹	SL	P	2,250	±	±		
745	0	1	0	s					McClosky; MisL	OL	P	2,310	4	MC		
746	0	1	0	0					"							
747	0	32	0	s												
748	0	2	0	s					Bieh1; Pen	s	P	1,542	22	AL		
749	0	18	0	s					Cypress; MisU	s	P	2,029	12	AL		
750	0	0	0	s					Bethel; MisU ⁹	s	P	2,139	20	AL		
751	0	3	0	s					Aux Vases; MisU	s	P	2,283	4	AL		
752	0	0	0	s					Lower O'Hara; MisL ⁹	OL	P	2,308	4	AC		
753	0	1	0	s					Rosiclare; MisL	SL	P	2,318	4	AC		
754	0	4	0	s					McClosky; MisL	OL	P	2,346	6	AC		
755	0	4	0	0					"							
756	0	147	0	0		G										
757	0	3	0	s					Pennsylvanian; Pen	s	P	795	10	MF		
758	0	7	0	s					Pennsylvanian; Pen	s	P	1,340	10	MF		
759	0	7	0	s			36.2	0.22	Pennsylvanian; Pen	s	P	1,450	15	MF		
760	0	18	0	s					Degonia; MisU	s	P	1,975	10	MF		
761	0	3	0	s					Clare; MisU	s	P	2,010	10	MF		
762	0	2	0	s			36.0		Palestine; MisU	s	P	2,050	10	MF		
763	0	3	0	s			36.0		Waltersburg; MisU	s	P	2,280	10	MF		
764	0	37	0	s			36.0		Tar Springs; MisU	s	P	2,295	15	AL		
765	0	2	0	s					Cypress; MisU	s	P	2,720	12	AF		
766	0	7	0	s					Paint Creek; MisU	s	P	2,780	9	AF		
767	0	16	0	s					Bethel; MisU	s	P	2,810	12	AF		
768	0	8	0	s			39.4		Aux Vases; MisU	s	P	2,880	15	AF		
769	0	0	0	s					Lower O'Hara; MisL ⁹	L	P	3,011	10	AC		
770	0	0	0	s					Rosiclare; MisL	SL	P	2,960	10	AC		
771	0	18	0	s			38.2	0.21	McClosky; MisL	OL	P	3,000	6	AC		
772	0	16	0	0					"							
773	0	0	0	s					Pennsylvanian; Pen	s	P	400	20	±	Pen	421
774	0	1	0	s			36.1	0.17	Cypress; MisU	s	P	1,100	5	±	MisU	1,265
775	0	5	0	s			34.8	0.22	Pottsville; Pen	s	P	580	15	ML	MisL	1,001
776	0	0	0	s			38.5		McClosky; MisL	OL	P	3,145	5	AC	MisL	3,154
777	0	8	0	0					"						Dev	3,840
778	0	0	0	s					Lower O'Hara; MisL	L	P	2,170	5	AC		
779	0	3	0	s			37.0	0.22	Rosiclare; MisL	S	P	2,190	12	AC		
780	0	2	0	s					McClosky; MisL	L	P	2,210	7	AC		
781	0	3	0	0					"							
782	0	34	0	0					Bethel; MisU	s	P	1,925	12	A		
783	0	32	0	s					Rosiclare; MisL	s	P	2,120	12	AC		
784	0	2	0	s					"							
785	0	0	0	0					"							
786	0	156	0	0												
787	0	65	0	s					Waltersburg; MisU	s	P	2,170	15	AL		
788	0	3	0	s			31.7	0.25	Tar Springs; MisU	s	P	2,240	12	AL		
789	0	20	0	s			32.0		Cypress; MisU	s	P	2,560	15	AL		
790	0	0	0	s					Paint Creek; MisU ⁹	s	P	2,750	12	A		
791	0	13	0	0			39.0		Bethel; MisU	s	P	2,760	17	A		
792	0	16	0	s					Aux Vases; MisU	s	P	2,880	18	AL		
793	0	0	0	s					Lower O'Hara; MisL ⁹	OL	P	2,950	8	AC		
794	0	0	0	s					McClosky; MisL	OL	P	2,970	5	AC		
795	0	39	0	0					"							
796	0	2	0	s			32.0		Buchanan; Pen	s	P	1,510	14	ML	MisL	2,320
797	0	191	0	0		G			"						MisL	3,450
798	0	0	0	s					Cypress; MisU ⁹	s	P	2,705	22	A		
799	0	0	0	s					Paint Creek; MisU ⁹	s	P	3,040	20	A		
800	0	0	0	s					Bethel; MisU ⁹	s	P	3,050	20			

TABLE I.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells ^c		
			Total Production, Bbl. ^c		Millions Cu. Ft. ^c			1945		
			Area Proved, Acres ^b	To End of 1945	During 1945	Area Proved, Acres ^d	To End of 1945	During 1945	Completed to End of 1945	Completed
801			x	x	x	0	0	97	1	2
802			x	x	x	0	0	21	0	0
803			x	x	x	0	0	2	0	0
804			x	x	x	0	0	21	2	2
805			x	x	x	0	0	62	0	0
806	Rural Hill West, Hamilton	1945	10	1,000	1,000	0	0	1	1	0
807	Russellville, gas, Lawrence	1937		0	0	1,800	6,556	430	60	0
808						x	x	x	0	0
809						x	x	x	18	0
810	St. Francisville East, Lawrence	1941	120	125,000	20,000	x	x	x	42	0
811	St. Jacob, Madison	1942	1,120	1,554,000	355,000	0	0	10	1	0
812	St. James, Fayette	1938	2,000	3,495,000	791,000	0	0	53	5	0
813	St. Paul, Fayette	1941	170	290,000	50,000	0	0	187	0	0
814	Ste. Marie, Jasper	1941	620	511,000	33,000	0	0	13	0	0
815	Sailor Springs Consolidated, Clay	1941	1,320	2,162,000	515,000	0	0	20	0	0
816						0	0	114	5	2
817			x	x	x	0	0	37	2	1
818			x	x	x	0	0	0	0	0
819			x	x	x	0	0	67	3	1
820			x	x	x	0	0	4	0	0
821	Sailor Springs East, Clay	1944	100	27,000	18,000	0	0	9	0	2
822	Salem, Marion	1938	9,600	192,150,000	6,711,000	0	0	2,454	0	59
823			x	x	x	0	0	485	0	12
824			x	x	x	0	0	152	0	0
825			x	x	x	0	0	9	0	0
826			x	x	x	0	0	551	0	38
827			x	x	x	0	0	8	0	0
828			6,200	34,382,000	570,000	0	0	541	0	5
829			x	2,675,000	251,000	0	0	2	0	0
830								706	0	4
831	Samsville, Edwards	1942 ⁴³	20	700	0	0	0	1	0	0
832	Samsville North, Edwards	1945	20	3,000	3,000	0	0	2	2	0
833	Santa Fe, Clinton	1944	10	1,000	1,000	0	0	1	0	0
834	Schnell, Richland	1938	80	201,000	7,000	0	0	4	0	0
835	Seminary, Richland	1945	40	30,000	30,000	0	0	2	2	0
836	Sesser, Franklin	1942	60	64,000	18,000	0	0	5	0	0
837			x	x	x	0	0	4	0	0
838			x	x	x	0	0	0	0	0
839			x	x	x	0	0	0	0	0
840			x	x	x	0	0	0	0	0
841	Shattuc, Clinton	1945	20	2,000	2,000	0	0	1	0	0
842	Shawneetown, Gallatin	1945	10	200	200	0	0	1	2	0
843	Sims, Wayne	1941	2,030	3,432,000	329,000	0	0	62	1	0
844			x	x	x	0	0	12	1	0
845			x	x	x	0	0	0	0	0
846			x	x	x	0	0	0	0	0
847			x	x	x	0	0	0	0	0
848			x	x	x	0	0	32	0	0
849	Sorento, Bond	1938 ⁴⁴	30	4,000	0	0	0	18	0	0
850	Springerton, Hamilton	1945	30	17,000	17,000	0	0	3	3	0
851	Stanford, Clay	1945	180	105,000	105,000	0	0	9	9	0
852			x	x	x	0	0	6	6	0
853			x	x	x	0	0	2	2	0
854			x	x	x	0	0	1	1	0
855	Stewardson, Shelby	1939	70	61,000	11,000	0	0	5	0	0
856	Stokes, White	1939	960	1,890,000	295,000	0	0	53	0	0
857			x	x	x	0	0	2	0	0
858			x	x	x	0	0	2	0	0
859			x	x	x	0	0	9	0	0
860			x	x	x	0	0	11	0	0
861			x	x	x	0	0	5	0	0
862			x	x	x	0	0	3	0	0

⁴³ Abandoned 1942.⁴⁴ Abandoned 1944.

TABLE 1.—(Continued)

Line Number	Wells Producing ^a Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ^b		Secondary Recovery ^b	Character of Oil ^c		Producing Formation						Deepest Zone Tested ^d to End of 1945	
	Flowing	Oil ^e		Initial	Avg./End 1945		Gravity A.P.I. at 60° F. ^g	Sulphur, Per Cent	Name and Age ^f	Character ^h	Porosity, Per Cent ⁱ	Depth to Top of Producing Zone, Ft. ^m	Productive Thickness, Avg. Ft., ⁿ Net	Structure ^o	Name	Depth of Hole, Ft.
		Artificial Lift	Gas													
801	0	89	0	x	x	38.0	0.15	Aux Vases; MisU	S	P	3,130	25	A			
802	0	15	0	x	x	x	x	Lower O'Hara; MisL	SL	P	3,175	15	AC			
803	0	2	0	x	x	38.6	x	Rosiclare; MisL	SL	P	3,200	5	AC			
804	0	18	0	x	x	38.6	0.19	McClosky; MisL	L	P	3,230	10	AC			
805	0	67	0	x	x	x	x	"								
806	0	1	0	x	x	x	x	Aux Vases; MisU	S	P	3,222	16	x	MisL	3,483	
807	0	0	25	x	x	x	x	"						Dev	3,133	
808	0	0	x	x	x	x	x	Bridgeport; Pen	S	P	760	15	A			
809	0	0	x	x	x	x	x	Buchanan; Pen	S	P	1,100	12	A			
810	0	9	0	x	x	39.8	0.21	"Trenton"; Ord	S	P	1,760	22	A	MisL	1,960	
811	0	45	0	x	x	40.0	0.23	Cypress; MisU	S	P	2,260	17	A	Ord	2,549	
812	0	178	0	x	x	34.4	0.31	Bethel; MisU	S	P	1,855	6	A	Dev	3,375	
813	0	12	0	x	x	34.0	0.23	Bethel; MisU	S	P	1,885	6	A	Dev	3,570	
814	0	17	0	x	x	40.2	0.14	McClosky; MisL	L	P	2,830	8	A	MisL	2,935	
815	0	104	0	x	x	x	x	"						MisL	3,460	
816	0	30	0	x	x	39.5	0.17	Tar Springs; MisU	S	P	2,340	15	A			
817	0	30	0	x	x	x	x	Glen Dean; MisU ⁹	L	P	2,390	8	A			
818	0	66	0	775	x	38.5	0.28	Cypress; MisU	S	P	2,590	14	A			
819	0	4	0	x	x	36.4	x	McClosky; MisL	OL	P	3,000	5	A			
820	0	4	0	x	x	x	x	"								
821	0	7	0	x	x	29.0	x	Cypress; MisU	S	P	2,690	8	D	MisL	3,162	
822	3	2,150	0	x	x	G	x	"						Prairie du Chien	5,655	
823	0	380	0	x	x	38.5	0.20	Bethel; MisU	S	P	1,780	40	A			
824	0	92	0	x	x	38.6	0.21	Aux Vases; MisU	S	P	1,825	40	A			
825	0	7	0	x	x	39.0	x	Rosiclare; MisL	S	P	1,950	5	AL			
826	0	297	0	x	x	39.0	x	McClosky; MisL	OL	P	1,990	17	A			
827	0	8	0	x	x	39.0	x	Salem; MisL	L	P	2,160	17	A			
828	0	380	0	x	x	42.1	0.28	Devonian; Dev	L	Cav	3,430	45	A			
829	3	57	0	x	x	42.0	x	"Trenton"; Ord	L	Cav	4,500	50	A			
830	0	935	0	x	x	x	x	"								
831	0	0	0	x	x	x	x	Waltersburg; MisU	S	P	2,430	4	x	MisL	3,295	
832	0	2	0	x	x	x	x	Bethel; MisU	S	P	2,880	6	A	MisL	2,912	
833	0	1	0	x	x	x	x	Cypress; MisU	S	P	950	19	x	Dev	2,512	
834	0	4	0	x	x	37.0	0.19	McClosky; MisL	OL	P	3,000	6	AC	MisL	3,150	
835	0	2	0	x	x	x	x	McClosky; MisL	L	P	3,200	3	x	MisL	3,333	
836	0	5	0	x	x	x	x	"						Dev	4,688	
837	0	4	0	x	x	39.2	0.17	Aux Vases; MisU	S	P	2,700	7	x			
838	0	x	0	x	x	x	x	Rosiclare; MisL ⁹	S	P	2,836	16	x			
839	0	x	0	x	x	x	x	McClosky; MisL ⁹	L	P	2,856	7	x			
840	0	1	0	x	x	x	x	"								
841	0	2	0	x	x	x	x	Cypress; MisU	S	P	1,280	7	AL	MisL	1,750	
842	0	1	0	x	x	x	x	Aux Vases; MisU	S	P	2,650	14	MF	MisL	2,837	
843	0	60	0	x	x	x	x	"						MisL	3,487	
844	0	9	0	x	x	40.4	0.20	Aux Vases; MisU	S	P	3,013	15	AL			
845	0	x	0	x	x	x	x	Lower O'Hara; MisL ⁹	L	P	3,120	7	AC			
846	0	x	0	x	x	x	x	Rosiclare; MisL ⁹	OL	P	3,140	7	AC			
847	0	29	0	x	x	39.1	x	McClosky; MisL	OL	P	3,150	8	AC			
848	0	22	0	x	x	x	x	"								
849	0	0	0	x	x	35.4	x	Devonian; Dev	L	P	1,830	5	A	Dev	1,900	
850	0	3	0	x	x	37.0	x	Aux Vases; MisU	S	P	3,285	12	A	MisL	3,150	
851	0	9	0	x	x	x	x	"								
852	0	6	0	x	x	x	x	Rosiclare; MisL	OL	P	3,039	7	MC			
853	0	2	0	x	x	x	x	McClosky; MisL	L	P	3,065	8	MC			
854	0	1	0	x	x	x	x	"								
855	0	5	0	x	x	37.8	0.18	Aux Vases; MisU	S	P	1,940	8	A	MisL	2,138	
856	0	45	0	x	x	x	x	"						MisL	3,204	
857	0	1	0	x	x	x	x	Tar Springs; MisU	S	P	2,295	16	MF			
858	0	1	0	x	x	x	x	Cypress; MisU	S	P	2,660	12	MF			
859	0	17	0	x	x	x	x	Paint Creek; MisU	S	P	2,800	22	AF			
860	0	1	0	x	x	x	x	Bethel; MisU	S	P	2,813	8	AF			
861	0	4	0	x	x	x	x	Aux Vases; MisU	S	P	2,890	15	AF			
862	0	1	0	x	x	x	x	Lower O'Hara; MisL	OL	P	3,035	5	AC			

TABLE I.—(Continued)

Line Number	Field, County ^a	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells ^c		
			Area Proved, Acres ^b	Total Production, Bbl. ^c		Area Proved, Acres ^d	Millions Cu. Ft. ^e		Completed to End of 1945	1945	
				To End of 1945	During 1945		To End of 1945	During 1945		Completed	Abandoned
863			x	x	x		0	0	14	0	0
864									7	0	0
865	Storms, White.....	1939	1,720	4,761,000	284,000		x	x	158	1	1
866			x	x	x		x	x	156	1	0
867			x	x	x		0	0	0	0	0
868			x	x	x		0	0	1	0	0
869			x	x	x		0	0	1	0	1
870	Stringtown, Richland.....	1941	180	206,000	22,000		0	0	7	0	0
871	Sumner, Lawrence.....	1944	20	5,000	3,000		0	0	1	0	0
872	Sumpter, White.....	1945	10	1,000	1,000		0	0	1	1	0
873	Tamaroa, Perry.....	1942	50	8,000	2,000		0	0	3	0	0
874	Thackarey, Hamilton.....	1944	480	543,000	537,000		0	0	39	36	0
875	Thompsonville, Franklin.....	1940	220	280,000	22,000		0	0	19	0	3
876	Thompsonville North, Franklin.....	1944	40	56,000	56,000		0	0	4	3	0
877	Toliver, Clay.....	1942 ⁴⁵	40	6,000	0		0	0	1	0	0
878	Toliver East, Clay.....	1943	60	117,000	48,000		0	0	3	0	0
879	Tonti, Marion.....	1939	480	7,355,000	479,000		0	0	59	0	1
880			x	x	x		0	0	5	0	0
881			x	x	x		0	0	15	0	0
882			x	x	x		0	0	31	0	1
883			x	1,550,000	50,000		0	0	6	0	0
884			x						2	0	0
885	Trumbell, White.....	1944	50	53,000	53,000		0	0	5	4	0
886	Valier, Franklin.....	1942	20	2,000	300		0	0	1	0	0
887	Waggoner, Montgomery.....	1940	40	7,000	1,000		0	0	4	0	0
888	Walpole, Hamilton.....	1941	1,240	3,101,000	572,000		0	0	69	4	0
889			x	x	x		0	0	2	0	0
890			x	x	x		0	0	67	4	0
891	Waltonville, Jefferson.....	1943	60	36,000	21,000		0	0	4	0	0
892	West End, Hamilton, Saline.....	1944	40	96,000	87,000		0	0	4	3	0
893	West Frankfort, Franklin.....	1941	150	492,000	89,000		0	0	15	0	0
894			x	x	x		0	0	14	0	0
895			x	x	x		0	0	1	0	0
896	West Frankfort South, Franklin.....	1943	100	266,000	110,000		0	0	8	0	0
897			x	x	x		0	0	5	0	0
898			x	x	x		0	0	3	0	0
899	Whittington, Franklin.....	1939	100	57,000	12,000		0	0	3	0	1
900			x	x	x		0	0	1	0	1
901			x	x	x		0	0			
902			x	x	x		0	0			
903			x	x	x		0	0	1	0	0
904	Whittington West, Franklin.....	1943	60	12,000	7,000		0	0	3	0	0
905			x	x	x		0	0	2	0	0
906			x	x	x		0	0	1	0	0
907	Willow Hill, Jasper.....	1944	140	161,000	159,000		0	0	7	6	0
908	Willow Hill North, Jasper.....	1945	40	1,000	1,000		0	0	2	2	0
909	Woburn, Bond.....	1940	210	485,000	37,000		0	0	28	0	1
910	Woodlawn, Jefferson.....	1940	1,480	8,863,000	967,000		0	0	153	0	4
911			x	x	x		0	0	2	0	0
912			x	x	x		0	0	151	0	4
913			x	x	x		0	0	0	0	0
914			x	x	x		0	0	0	0	0
915			x	x	x		0	0	0	0	0
916	Xenia, Clay.....	1941	20	17,000	2,000		0	0	1	0	0
917	Total for fields after Jan. 1, 1937 ⁴⁶		187,750	713,246,000	70,839,000	1,880	6,587.5	461.5	15,274	1,069	224
918	Total for Illinois ⁴⁶		293,445	1,178,978,000	75,210,000	11,885	9,029.2	477.1	36,148	1,094	634

⁴⁵ Abandoned 1944.⁴⁶ Total from U. S. Bureau of Mines monthly report.

TABLE I.—(Continued)

Line Number	Wells Producing Dec. 1945			Reservoir Pressure, Lb. per Sq. In. ⁵		Secondary Recovery ⁴	Character of Oil ¹		Producing Formation							Deepest Zone Tested ² to End of 1945	
	Flowing	Artificial Lift	Gas	Initial	Avg./End 1945		Gravity, A.P.I. at 60°F. ⁶	Sulphur, Per Cent	Name and Age ³	Character ⁷	Porosity, Per Cent ⁸	Depth to Top of Producing Zone, Ft. ⁹	Productive Thickness, Avg. Ft., ¹⁰ Net	Structure	Name	Depth of Hole, Ft.	
863	0	10	0	x	x		35.8	0.26	McClosky; MisL ¹¹	OL	P	3,070	10	AC			
864	0	10	0	x	x												
865	0	142	x	x	x		28.0	0.28	Waltersburg; MisU	S	P	2,230	40	AL	MisL	3,173	
866	0	141	x	x	x				Tar Springs; MisU	S	P	2,303	x	AL			
867	0	0	x	x	x				Cypress; MisU	S	P	2,655	10	AL			
868	0	1	0	x	x				Bethel; MisU	S	P	2,805	14	ML			
869	0	0	0	x	x		39.8	0.24	McClosky; MisL	OL	P	3,040	8	AC	MisL	3,080	
870	0	7	0	x	x				McClosky; MisL	L	P	2,261	4	MC	MisL	2,365	
871	0	1	0	x	x				Tar Springs; MisU	S	P	2,567	15	x	MisU	3,036	
872	0	1	0	x	x				Cypress; MisU	S	P	1,125	10	AL	MisL	1,630	
873	0	2	0	x	x				Aux Vases; MisU	S	P	3,390	15	AL	MisL	3,600	
874	0	39	0	x	x		37.8	0.16	McClosky; MisL	L	P	3,120	12	A	MisL	3,455	
875	0	2	0	x	x				Aux Vases; MisU	S	P	3,122	26	AL	MisL	3,356	
876	0	4	0	x	x		37.1	x	McClosky; MisL	S	P	2,790	10	MC	MisL	2,890	
877	0	0	0	x	x				McClosky; MisL	OL	P	2,840	8	MC	MisL	2,946	
878	0	3	0	x	x												
879	0	57	0	x	x												
880	0	5	0	x	x		39.0	x	Bethel; MisU	S	P	1,930	20	D	Dev	3,742	
881	0	12	0	x	x		39.0	x	Aux Vases; MisU	S	P	2,005	30	D			
882	0	32	0	x	x		39.4	0.21	McClosky; MisL	OL	P	2,130	15	D			
883	0	6	0	x	x		41.0	x	Devonian; Dev	L	Cav	3,500	7	D			
884	0	2	0	x	x												
885	0	5	0	x	x				Cypress; MisU	S	P	2,830	8	A	MisL	3,355	
886	0	11	0	x	x				McClosky; MisL	L	P	2,715	8	ML	MisL	2,725	
887	0	1	0	x	x		28.0	0.21	Pottsville; Pen	S	P	610	10	x	Dev	1,893	
888	0	68	0	x	x												
889	0	2	0	x	x		35.1	x	Tar Springs; MisU	S	P	2,465	15	AL	MisL	3,331	
890	0	6	0	x	x		38.4	0.13	Aux Vases; MisU	S	P	3,070	20	A			
891	0	33	0	x	x		37.8	0.14	Bethel; MisU	S	P	2,465	12	A	MisL	2,769	
892	0	4	0	x	x				Aux Vases; MisU	S	P	3,130	14	ML	MisL	3,419	
893	0	15	0	x	x												
894	0	14	0	x	x		34.8	0.13	Tar Springs; MisU	S	P	2,050	15	A	MisL	2,995	
895	0	1	0	x	x				Aux Vases; MisU	S	P	2,700	15	AL			
896	0	8	0	x	x												
897	0	5	0	x	x				Tar Springs; MisU	S	P	2,035	15	A	MisL	3,156	
898	0	3	0	x	x		37.2	0.23	Lower O'Hara; MisL	L	P	2,765	8	AC			
899	0	2	0	x	x												
900	0	1	0	x	x				Cypress; MisU	S	P	2,540	10	A	MisL	3,130	
901	0	0	0	x	x				McClosky; MisL ⁹	L	P	2,870	5	AC			
902	0	0	0	x	x				St. Louis; MisL ¹¹	L	P	3,060	7	AC			
903	0	1	0	x	x												
904	0	3	0	x	x												
905	0	2	0	x	x				Aux Vases; MisU	S	P	2,680	20	AL	MisL	2,942	
906	0	1	0	x	x				Lower O'Hara; MisL	L	P	2,752	20	AC			
907	0	7	0	x	x				McClosky; MisL	L	P	2,665	5	MC	MisL	2,742	
908	0	2	0	x	x				McClosky; MisL	L	P	2,599	5	MC	MisL	2,702	
909	0	27	0	x	x		36.4	0.20	Bethel; MisU	S	P	1,010	11	A	Dev	2,476	
910	0	137	0	x	x												
911	0	1	0	x	x				Cypress; MisU	S	P	1,800	10	AL	Dev	3,746	
912	0	115	0	x	x		37.8	0.16	Bethel; MisU	S	P	1,960	25	A			
913	0	8	0	x	x				Aux Vases; MisU	S	P	1,976	10	A			
914	0	1	0	x	x				Devonian; Dev	L	Cav	3,663	1	A			
915	0	12	0	x	x												
916	0	1	0	x	x		35.2	0.19	Aux Vases; MisU	S	P	2,785	12	A	Dev	4,970	
917	133	13,299	27														
918	133	24,956	36														

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TABLE 2.—Important Wells Drilled in Illinois in 1945

Pool	County	Company and Farm	Location	Total Depth, Ft.	Producing Formation	Depth to Top, Ft.	Initial Production, Bbl.°	Date of Completion of Discovery Well	Number of Wells Producing in Field Dec. 27, 1945
A. DISCOVERY WELLS OF NEW FIELDS									
1 Aden South	Hamilton	Rudy, Marlow 1	20-3S-7E	3,430	McClosky	3,384	25 + 9	7-24-45	1
2 Bartselo West	Clinton	Moesbach, J. Meyers 1	18-1N-3W	3,076	Cypress	933	6 + 2	10-30-45	1
3 Bartselo	White	H. H. West, Esq. 1	31-5S-9E	3,186	Rosclaire; McClosky	3,113; 3,139	187	3-13-45	32
4 Colganville	Richland	Pure, J. C. Howard, A. 1	13-2N-9E	3,243	McClosky	3,167	96 + 81	10-16-45	2
5 Coldengate North	Wayne	Bell and D. mean, T. A. Leach 1	9-2S-6E	3,407	Lower O'Hara, Rosclaire	3,203; 3,329	129	11-6-45	2
6 Hunt City	Clinton	Gelshardt and Scherman, Jentzen 1	22-2N-3W	1,986	Bethel	1,250	26 + 2	8-14-45	1
7 Hunt City	Jasper	W. W. Shaffer, M. Stifel 1	2-7N-10E	2,715	Rosclaire	2,542	25 + 10	9-25-45	1
8 Ingram West	Clay	Kingwood, Fulk 1	13-6N-7E	2,577	McClosky	2,532	52 + 67	8-21-45	2
9 Iola West	Clay	Texas, Wyeide Jones 1	18-6N-5E	2,495	McClosky	2,463	12 + 8	5-10-45	0
10 Keenville	Wayne	Gulf, M. Anderson, C. Greathouse 1	23-1N-10E	3,198	Aux Vases	2,444	11 + 240	3-20-45	1
11 Maplegrove South	Edwards	Aetna and Hayes, C. Greathouse 1	23-1N-10E	3,165	Aux Vases	2,913	27 + 120	11-15-45	1
12 Markham City West	Jefferson	Gulf, W. P. Furell 1	5-3S-4E	3,149	McClosky	3,083	38 + 4	7-17-45	1
13 Maunie West	White	E. M. Heath, North Storms 1	2-6S-10E	1,760	McClosky	2,555	37 + 30	11-27-45	1
14 Newton North	Marrion	Shulman Bros., Ben Bunn 1	31-7N-10E	1,760	McClosky	1,760	48	5-29-45	21
15 Odi	Jasper	Central Pipe Line, Lee Bunn 1	12-2N-1E	3,132	Cypress	3,078	48 + 30	10-30-45	1
16 Parkersburg North	Richland	Magnolia, F. Stamey 1	12-3N-14W	3,005	Rosclaire	3,003	33 + 30	3-13-45	4
17 Passport	Clay	Tide Water, W. B. Johnson 1	33-6S-5E	3,483	Aux Vases	3,229	33 + 25	6-19-45	1
18 Rural Hill West	Hamilton	Central Pipe Line, Chas. Obold 1	30-1N-14W	2,890	Bethel	2,882	91 + 25	10-2-45	2
19 Sarsville North	Edwards	J. W. Carter, D. C. Borat 1	20-2N-10E	3,202	McClosky	3,199	224	6-25-45	2
20 Seminary	Richland	Murphy and Conroy, L. Noller 1	28-2N-1W	1,286	Cypress	1,279	19 + 6	8-11-45	1
21 Shattuc	Clinton	Ferrali, C. I. Oldham 1	24-9S-9E	2,837	Aux Vases	2,648	137	9-4-45	3
22 Shawneetown	Gallatin	Carer Oil, Prov. Mut. Ins. 1-A	14-4S-7E	3,327	Aux Vases	3,263	888	10-2-45	9
23 Springerton	Hamilton	Pure and Lynn, J. Goings 1	24-3N-7E	3,036	McClosky	3,028	33 + 38	11-13-45	1
24 Stanton	Clay	Pure and Lynn, J. Goings 1	35-4S-9E	3,379	Tar Springs	2,569	180	5-15-45	2
25 Stumpter	White	Larto, Ex. Organ 1	26-7N-10E	2,950	McClosky	2,599			
26 Willow Hill North	Jasper	Robinson and Puckett, Roberts 1							
B. DISCOVERY WELLS OF EXTENSIONS TO POOLS									
1 Albion Consolidated	Edwards	Noah, Kershaw 1	14-3S-10E	2,002	Bielh	1,991	165 + 30	8-7-45	
2 Albion East	Edwards	Morton and Keith, Garner 1	28-2S-14W	3,065	McClosky	3,057	250	2-13-45	
3 Bennington	Edwards	Hassie Hunt, E. Weber 1	8-1N-10E	3,310	McClosky	3,269	220 + 83	3-13-45	
4 Bible Grove	Effingham	Ashland, Weibking 1	29-6N-7E	2,890	McClosky	2,856	480	5-8-45	
5 Bible Grove	Effingham	Ashland, Woody Heirs 1	31-6N-7E	2,962	McClosky	2,844	201	11-6-45	
6 Bible Grove	Effingham	Waggoner, Richards 1	29-6N-7E	2,798	Rosclaire	2,792	15	7-3-45	
7 Bows North	Jasper	Pure, Bergbower Consol. 1	4-6N-10E	2,810	McClosky	2,770	231	10-16-45	
8 Brownsville	White	Lynn, Silliman 1	36-5S-8E	3,262	Hardsburg	2,632	131 + 36	9-4-45	
9 Brownsville	White	Pure, M. E. Brown 1-A	1-6S-8E	2,680	Hardsburg	2,644	225	9-11-45	
10 Casae	Wayne	Pure, C. A. Billington 2	23-1N-7E	3,188	McClosky	3,152	42 + 53	10-23-45	
11 Clay City Consol.	Clay	Pure, Broyles Consol. B-1	14-5N-7E	3,077	Aux Vases	2,952	12	10-9-45	
12 Clay City Consol.	Wayne	Olsen, O'Roush 1	15-1N-7E	3,138	McClosky	3,128	90 + 18	12-27-45	

13 Clay City Consol.	Wayne	Pure, E. E. Grubb 1-A	4-15-8E	3,260	Lower O'Hara	3,122	42 + 5	2,97-45
14 Clay City Consol.	Wayne	Pure, K. Seese 1	9-11N-8E	3,141	McClosky	3,082	84	2-27-45
15 Clay City Consol.	Wayne	Pure, S. J. Staley 1-A	22-2N-7E	3,298	Rosclare, McClosky	3,083	249 + 49	2-20-45
16 Clay City Consol.	Wayne	Robinson and Prockett, Molt 1	23-1N-7E	3,226	Aux Vases	3,092	123	5-25-45
17 Clay City Consol.	Wayne	Robinson and Prockett, Molt 1-B	23-1N-8E	3,204	Aux Vases	3,017	18	1-17-45
18 Clay City Consol.	Wayne	Stegler, E. Goff 1	31-2N-0E	3,090	Rosclare, McClosky	3,084	24 + 23	7-17-45
19 Ellery South.	Edwards	Phillips, Twit 1	5-8S-10E	3,263	McClosky	3,245	261 + 40	7-31-45
20 Herald	Gallatin	F. King, H. Jones 1	22-7S-0E	3,013	Aux Vases	2,981	35	8-7-45
21 Herald	White	Gibbins, V. Bayley 1	3-7S-0E	2,702	Cypress	2,906	30	5-21-45
22 Herald	White	Luttrell, W. Chestell 1	36-6S-0E	2,798	Tar Springs	2,792	77	5-21-45
23 Herald	White	Yoder, Hollander	34-6S-0E	2,798	Cypress	2,792	202	4-17-45
24 Johnsonville Consol.	Wayne	Hedger, Weaver (Bradley) 1	5-1S-6E	3,234	McClosky	3,056	27	5-25-45
25 Johnsonville Consol.	Wayne	Davis, L. Lowe 1	5-1S-6E	3,234	McClosky	3,240	27	5-25-45
26 Johnsonville Consol.	Wayne	Falk, Powless 1	5-1S-6E	3,234	McClosky	3,240	27	5-25-45
27 Keener	Clay	Texas, Bowyer 1	34-1S-6E	2,685	Aux Vases	2,674	41 + 34	8-15-45
28 Leech Twp.	Wayne	J. J. Lynn, D. Craft 1	8-3N-5E	2,592	McClosky	2,623	7 + 100	6-15-45
29 Marine	Madison	New Penn, Dev E. P. Hallam 1	4-4N-6W	1,722	Sturrian	1,724	153 + 15	1-9-45
30 Marine	Madison	Reck Hill, J. Becher 1	3-4N-6W	1,722	Sturrian	1,722	32	1-9-45
31 Mattoon	Coles	Dinkson, Linder-Pinnell 1	27-1N-7E	2,007	Rosclare	1,896	108	7-10-45
32 Mattoon	Coles	Gordon, B. King	3-11N-7E	2,008	Rosclare	1,842	197	1-13-45
33 Mattoon	Coles	Gordon, D. M. Sawyer 1	3-11N-7E	2,006	Cypress	1,795	225	1-13-45
34 Mattoon	Coles	Richardson, Powell 1	10-1N-7E	2,007	Cypress	1,770	108	1-20-45
35 Mattoon	Coles	Richardson, Powell 1	15-1N-7E	2,002	Rosclare	1,864	7	12-24-45
36 Mattoon	Coles	Shuler, Reese 1	12-1N-7E	2,002	Rosclare	1,864	158	12-24-45
37 Mattoon	Coles	Shuler, Reese 1	15-1N-7E	1,973	Rosclare	1,889	320	12-24-45
38 Mattoon	White	Hinckley, Crews 1	15-1N-7E	2,010	Rosclare	1,894	14 + 5	9-15-45
39 Maunie South.	White	Fox Bros., E. O. Penroy 1	24-6S-10E	2,944	Rosclare, McClosky	2,874	8 + 5	9-15-45
40 Mt. Carmel	Wabash	Stiles and Aema, Kolb 1	9-3S-10W	2,487	McClosky	2,470	60 + 55	9-4-45
41 Noble North	Richland	Fulk and Craven, Sager 1	9-3S-10W	2,487	McClosky	2,470	8	9-4-45
42 Parkersburg West	Richland	Pure, A. L. Bason 2	27-4N-0E	3,108	McClosky	2,991	520	1-16-45
43 Parkersburg West	Richland	F. D. Wieser, Bradley 1	27-4N-0E	3,087	McClosky	2,980	8	1-16-45
44 Rural Hill West	Richland	D. D. Wieser, Bradley 1	25-2N-10E	3,305	Lower O'Hara	3,218	5 + 9	8-15-45
45 Sailor Springs Consol.	Clay	Dricksen, Friesley 1	5-6S-13E	3,317	Aux Vases	3,219	170 + 4	5-22-45
46 Sailor Springs Consol.	Clay	Worn, B. Bessner 1	14-3N-7E	2,385	Tar Springs	2,315	31 + 18	8-15-45
47 Theocracy	Hamilton	McBride, Bombach 1	14-3N-7E	2,081	Cypress	2,022	36 + 11	8-15-45
		Natl. Assoc. Petr., Downen 1	10-5S-7E	3,359	Aux Vases	3,354	70	2-27-45

C. DISCOVERY WELLS OF ADDITIONAL PRODUCING ZONES IN POOLS

1 Bennington	Edwards	Lambert, N. Van Schoick 5	7-1N-10E	3,285	Lower O'Hara	3,236	105 ^a	4-3-45
2 Benton	Franklin	Adkins, Orient Coal Co. 1	24-6S-2E	3,045	Kinkaid	1,700	40 + 5 ^b	3-13-45
3 Bible Grove	Effingham	Ashland, F. Wiebking 2	6-6N-7E	2,848	Rosclare	2,842	165	6-26-45
4 Boyd	Jefferson	Superior, C. Schaller 1	18-1S-2E	2,350	Lower O'Hara	2,284	200 + 18	9-4-45
5 Brownsville	White	Pure, G. C. Turner 1	31-5S-9E	2,949	Cypress	2,782	31 + 2	6-19-45
6 Brownsville	White	Skelly, L. Kinsner 2	31-5S-9E	3,050	Aux Vases	3,020	105 + 50	7-3-45
7 Brownsville	White	Wenert, Kinsner 1	31-5S-9E	3,186	Lower O'Hara	3,098	120 ^b	4-24-45
8 Brownsville	White	Wenert, Kinsner-Turner 2	31-5S-9E	2,902	Paint Creek	2,866	98	4-17-45
9 Brownsville	White	Pure and Lynn, Silliman 1	31-5S-9E	3,262	Hardinburg	2,668	131 + 36	9-4-45
10 Calvin North	White	Pearce, Boultinghouse B-1	6-4S-14W	3,149	Cypress	2,682	210	9-25-45
11 Cowling	Edwards	G. H. Wickham, M. Schroeder 2	27-2S-14W	2,958	Waltersburg	2,152	50	2-20-45
12 Cowling	Wabash	Ill. Prod., E. Schmidt 1	26-2S-14W	2,871	Rosclare	2,862	30 + 42	10-23-45
13 Divide West	Jefferson	Texas, K. Bayer 3	23-1S-3E	2,883	Rosclare	2,862	488 ^b	8-7-45
14 Herald	White	N. V. Duncann, H. G. Aud 1	27-6S-9E	3,017	McClosky	3,010	20	2-27-45
15 Ingraham West	Clay	Kingwood, Fulk 2	13-5N-7E	2,881	McClosky	2,826	1023	1-1-27-45

^a Oil and water.
^b Producing from two or more pays.

TABLE 2.—(Continued)

Pool	County	Company and Farm	Location	Total Depth, Ft.	Producing Formation	Depth to Top, Ft.	Initial Production, Bbl. ^a	Date of Completion or Discovery of Well	Number of Wells Producing in Field Dec. 27, 1945
16 Keensburg East.....	Walsh	Myers and Miller, Laura Beall A-2	11-S-13W	2,776	Lower O'Hara	2,716	250	5-29-45	
17 Kenner.....	Clay	Lynn, Allen 2	25-N-5E	2,207	Top Springs	2,201	41 + 70	4-24-45	
18 Kenner.....	Clay	Lynn, A. Craft 1	36-N-5E	2,670	McClosky	2,877	7 + 100	6-10-45	
19 Mt. Carmel.....	Walsh	Stiles, Chapman 1	18-S-13W	2,077	McClosky	2,020	175 ^b	4-3-45	
20 Noble.....	Richard	Pure, Gehl A-3	36-N-8E	3,100	Jacks	2,923	17	4-3-45	
21 Packersburg Consol.....	Richard	Bridge, Hill 1	20-N-14W	3,117	Aux Vases	3,101	200 + 200 ^b	7-24-45	
22 Packersburg West.....	Richard	Wicker, Bradley 1	20-N-14W	3,205	Lower O'Hara	3,221	5 + 5	3-13-45	
23 Phillipsburg, Consol.....	White	Johnson, S. Ficker 1	25-S-10E	3,025	Lower O'Hara	3,011	25 + 10	10-30-45	
24 Standd.....	Clay	Pure and E. J. E. F. Thompson A-1	25-S-10E	3,025	Lower O'Hara	3,025	25 + 10	10-30-45	
25 Woodlawn.....	Clay	Magnolia, Eubank-Winsburg Unit 1	24-N-7E	1,988	Roadside	1,976	305 + 5	1-23-45	
26 Woodlawn.....	Jefferson	Texas, E. Eubanks Conn. 1	1-3S-1E	1,988	Aux Vases	1,976	305 + 5	1-23-45	
	Jefferson		35-2S-1E	3,740	Devonian	3,660	66	5-15-45	
D. SALTED LIST OF DRY TESTS									
1 Hney.....	Clark	Loyd, Bays 1	21-11N-12W	2,432	Devonian	2,376		4-24-45	
2	Clinton	Mosebach, Jentzen 1	29-2N-2W	2,720	Devonian	2,685		10-2-45	
3	Clinton	Big Chief, Gieseke 1	9-2N-5W	2,842	Plattin	2,866		8-7-45	
4	Hancock	Heavener, Broadhead 1	14-5N-5W	1,090	St. Peter	941		6-26-45	
5 Collinsville.....	Madison	Benoit, Keller 4	8-3N-5W	2,195	St. Peter	2,177		1-9-45	
6	Madison	Eason, Albrecht 1	20-5N-5W	2,719	Trenton	2,618		10-9-45	
7	Tazewell	Guengerich, Mathis 2	24-25N-3W	2,235	Shakopee	2,210		11-20-45	
8	Union	Mims, Potashnick 1	26-13S-3W	1,525	?			11-20-45	
9 Cordes.....	Washington	Shell, Sharkowski 13-D	23-3S-3W	2,827	Devonian	2,735		12-18-45	
10	Washington	Inland Oil, Lichtenfels 1	22-1S-3W	2,808	Devonian	2,734		9-4-45	

^a Oil and Water.^b Producing from two or more pays.

production, the same percentage of successful wildcats as in 1944.

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.....	1,792	1,087 ^e	77,581	4,675	82,256
1944.....	1,991	1,229 ^f	72,946	4,467	77,413
1945: Jan.	155	94	6,004	365	6,369
Feb.	106	74	5,544	331	5,875
March...	87	47	6,028	361	6,389
April...	116	71	5,793	358	6,151
May....	131	84	6,081	405	6,486
June....	144	90	5,839	383	6,222
July....	198	108	6,013	390	6,403
Aug....	164	106	6,053	399	6,452
Sept....	207	131	5,389	358	5,747
Oct....	130	83	6,040	360	6,400
Nov....	166	100	5,926	353	6,279
Dec....	159	106	6,129	308	6,437
Total...	1,763	1,094 ^g	70,839	4,371	75,210

^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.

^g Includes 15 wells formerly dry holes.

Of the 460 wildcat wells, 228 were drilled less than 2 miles from production; of these 47 (or 21 per cent) were successful. Of the 232 wildcat wells drilled more than 2 miles from production in 1945, 26 (or 11 per cent) were successful. Corresponding figures for 1944 were 261 wildcat wells drilled more than 2 miles from production with 28 (or 11 per cent) successful.

In existing pools, 36 wells were drilled to test deeper pays. Of this number, six (or nearly 17 per cent) opened up new pays.

No pre-Mississippian pool was discovered in Illinois in 1945. Devonian production was discovered in the Woodlawn pool, Jefferson County, which had previously produced only from the Mississippian. Dry Devonian tests were drilled in two Mississippian pools: Huey in Clinton County and Cordes in Washington County. A St. Peter test was drilled in an abandoned Devonian pool, Collinsville in Madison County.

A selected list of dry wildcat wells for 1945, which includes several Devonian and Trenton tests, is given in Table 2D.

The total footage of wildcat wells drilled in 1945 was 1,194,829 ft., of which 204,700 ft., or 17 per cent, was drilled in successful wells.

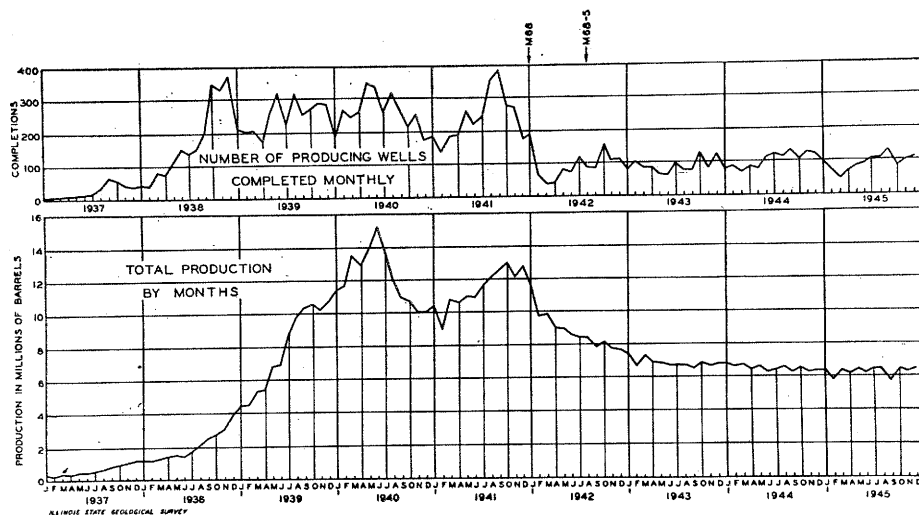


FIG. 1.—NUMBER OF PRODUCING WELLS AND OIL PRODUCTION IN ILLINOIS, 1937-1945.

TABLE 4.—Wildcat Wells Drilled in Illinois in 1945, Classified by Method of Location

Method of Location	Wildcat Near		Wildcat Far		Total Wildcats	Total Producers	Percentage Successful
	Total	Producers	Total	Producers			
Geology.....	190	41	145	19	335	60	17.9
Seismograph.....	3	0	11	1	14	1	7.1
Geology and Seismograph.....	17	5	27	4	44	9	20.5
Total scientific.....	210	46	183	24	393	70	17.8
Nonscientific.....	12	0	47	2	59	2	3.4
Unknown.....	6	1	2	0	8	1	1.3
Total.....	228	47	232	26	460	73	16

TABLE 5.—Summary of Drilling and Initial Production in Illinois for 1945^a

County	Number of Wells Drilled in 1945			Total Initial Production		Footage Drilled in 1945	
	Total Completions	Total Producing		Oil, Bbl.	Gas, Millions Cu. Ft.	Total	Producing Wells
		Oil	Gas				
Alexander.....	1	0	0	0	0	1,521	0
Bond.....	3	0	0	0	0	2,718	0
Cass.....	1	0	0	0	0	713	0
Christian.....	1	1	0	10	0	1,912	1,912
Clark.....	5	1	0	4	0	5,297	472
Clay.....	105	63	0	7,268	0	294,960	108,786
Clinton.....	27	11	0	214	0	39,077	13,710
Coles.....	93	60	0	10,511	0	185,953	119,235
Crawford.....	7	4	0	8	0	6,487	1,422
Cumberland.....	3	0	0	0	0	2,279	0
Edgar.....	3	0	0	0	0	2,279	0
Edwards.....	145	105	0	15,095	0	406,336	280,122
Effingham.....	88	55	0	7,890	0	242,318	150,423
Fayette.....	9	0	0	0	0	19,061	0
Franklin.....	28	9	0	969	0	84,398	27,226
Gallatin.....	31	15	0	1,412	0	86,488	35,753
Hamilton.....	83	55	0	5,682	0	280,087	183,649
Hancock.....	2	0	0	0	0	2,080	0
Jackson.....	2	0	0	0	0	4,415	0
Jasper.....	40	18	0	4,895	0	110,641	49,634
Jefferson.....	173	120	0	20,079	0	419,555	278,600
Lawrence.....	20	3	0	141	0	36,050	5,624
Logan.....	1	0	0	0	0	494	0
McDonough.....	7	4	0	21	0	3,810	1,977
Macoupin.....	3	2	0	11	0	1,756	1,113
Madison.....	47	33	0	3,463	0	89,628	52,042
Marion.....	62	31	0	2,163	0	120,689	53,087
Montgomery.....	2	0	0	0	0	1,620	0
Moultrie.....	1	0	0	0	0	1,926	0
Perry.....	5	0	0	0	0	8,727	0
Richland.....	151	105	0	23,941	0	469,122	323,754
St. Clair.....	3	0	0	0	0	6,856	0
Saline.....	5	2	0	238	0	15,404	6,312
Sangamon.....	1	0	0	0	0	787	0
Schuyler.....	1	0	0	0	0	710	0
Shelby.....	5	0	0	0	0	6,494	0
Tazewell.....	2	0	0	0	0	3,738	0
Union.....	1	0	0	0	0	1,525	0
Wabash.....	124	79	0	6,524	0	289,670	177,413
Washington.....	25	5	0	191	0	44,368	7,429
Wayne.....	217	139	0	24,480	0	680,970	428,601
White.....	230	159	0	17,445	0	657,826	441,776
	1,763	1,079	0	152,655	0	4,639,714	2,810,072

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

The only type of geophysical exploration reported as being done during the year was seismograph. The number of seismograph parties operating throughout the year, by months, was as follows:

Jan.....	2	July.....	1
Feb.....	2	Aug.....	1
Mar.....	2	Sept.....	2
Apr.....	3	Oct.....	3
May.....	2	Nov.....	3
June.....	0	Dec.....	4
Total party months.....		25	

In terms of party months, the amount of seismograph work done in Illinois in 1945 dropped to about 76 per cent of the 1944 total, which was 33 party months.

DEVELOPMENT

Drilling in Illinois during 1945 was concentrated mainly in 10 counties: Clay, Coles, Edwards, Effingham, Hamilton, Jefferson, Richland, Wabash, Wayne, and White. The last named led in activity for the year with 230 completions, of which 159 were producing wells. Clay County ranked first in number of discoveries, with four new fields, one of which was abandoned during the year. The three new fields that had the greatest number of wells at the end of 1945 were in White, Marion, and Clay Counties.

The average depth of wells drilled for oil or gas in the state in 1945 was 2637 ft., or slightly more than the 2604-ft. average in 1944.

Toward the end of 1945, drilling showed a definite shift from the Tri-State or Lower Wabash River area toward the north. Most notable decline in drilling appeared in such counties as Wabash, Wayne, Clay, and White, with the greatest gains in Coles, Effingham, Jasper, and Richland. The number of wildcat wells being drilled north of the limits of the productive area in the basin also showed a marked increase.

The most outstanding development of the year was the growth of the Mattoon

pool in Coles County. This pool was discovered in 1939, but to the end of 1944, only 12 producing wells had been drilled. Successful completion in July 1945 of a wildcat well about 2 miles southwest of the previously producing area was followed by a period of moderately increased drilling and exploratory testing throughout the area. A series of successful extensions to the north and west of the pool resulted in a total of 61 producing wells completed during 1945, with about 100 wells in progress at the close of the year, or about one third of all drilling activity in the state.

PRODUCTIVE ACREAGE

The area of proved production in the new fields (discovered since 1936) increased from 173,485 acres at the end of 1944 to 189,630 acres at the end of 1945 (Table 1), an increase of 16,145 acres. Of this increase in area, 1540 acres are in fields discovered during 1945 and 14,605 acres are in developments and extensions of fields discovered earlier.

RESERVES

Proved oil reserves added by drilling in Illinois in 1945 are estimated as of Jan. 1, 1946, at 34,000,000 bbl. To this should be added an estimated 7,000,000 bbl. produced up to the end of the year from wells drilled in 1945, making a total of 41,000,000 bbl. of new reserves discovered by 1945 drilling. As 75,000,000 bbl. of oil was produced during 1945, there was a net loss of proved reserves through the year's operations of 34,000,000 bbl. Total Illinois proved reserves as of Jan. 1, 1946, recoverable by wells and methods then in operation are estimated to be 340,000,000 barrels.

ECONOMIC DATA

Prices for crude oil in Illinois remained constant in 1945; \$1.22 per barrel in the old southeastern Illinois field, and \$1.37 per barrel in the rest of the state. The value (at the wells) of the crude oil produced in

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
Aden Consolidated.....	Hamilton, Wayne	17	3BiC, 1WC
Akin.....	Franklin	1	1AM
Albion Consolidated.....	Edwards	34	2BrBi, 1BrBiB, 1BrDA, 2BrH, 1BrA, 1BiWTM, 1BiWReA, 1BiWReM, 8BiW, 1BiWRe, 1BiWLM, 1BiB, 1WPAL, 2WReA, 1WBA, 1WReAM, 1WReM, 1WReB, 1CAM, 1BA, 1BRe, 1BReA, 1ReA, 1ReAM
Albion East.....	Edwards	3	1CAM, 1PB, 1LM
Allendale.....	Wabash, Lawrence	4	3BiC, 1WC
Bennington.....	Edwards, Wayne	1	1LM
Benton North.....	Franklin	2	1PA, 1LM
Bible Grove.....	Clay, Effingham	9	1CM, 8RM
Blairsville.....	Hamilton	3	2AM, 1ALM
Boos North.....	Jasper	3	3RM
Boyd.....	Jefferson	35	33BA, 2BAL
Boyleston Consolidated.....	Wayne	10	3AM, 1ALM, 1RM, 5LM
Browns.....	Edwards, Wabash	6	1CB, 1CBM, 4CM
Brownsville.....	White	5	1PA, 1PLR, 2LR, 1RM
Burnt Prairie.....	White	4	4AM
Calhoun.....	Richland	3	3LM
Calhoun North.....	Richland	1	1RM
Calvin North.....	White	8	1BiCA, 1CA, 1CBA, 2BA, 1BAM, 1BRM, 1AR
Carmi North.....	White	1	1CA
Centerville East.....	White	3	1TC, 1TA, 1TL
Centralia.....	Clinton, Marion	29	29CB
Cisne.....	Wayne	14	1AR, 7ARM, 3AM, 3RM
Clay City Consolidated.....	Clay, Wayne	86	1CA, 1CAM, 1CR, 5CM, 36AM, 8ARM, 1AR, 1ALM, 5LM, 27RM
Coil West.....	Jefferson	4	1AM, 1AL, 1ALM, 1LRM
Concord.....	White	10	3TM, 2CM, 1CA, 3AM, 1LM
Cowling.....	Edwards, Wabash	2	2CB
Dale-Hoodville Consolidated	Hamilton	84	5TC, 5TA, 1TCBA, 3CA, 4CBA, 1PA, 60BA, 1ARM, 4AM
Divide.....	Jefferson	1	1LM
Divide West.....	Jefferson	4	1LM, 3RM
Dundas Consolidated.....	Richland, Jasper	14	2AM, 12RM
Ellery.....	Edwards, Wayne	1	1AM
Exchange.....	Marion	1	1LM
Flora.....	Clay	1	1AM
Friendsville.....	Wabash	6	2BiPa, 1BiPaC, 2BiC, 1PaC
Goldengate Consolidated.....	Wayne	28	1AR, 6AM, 21LM
Goldengate North.....	Wayne	2	2LM
Grayville.....	Edwards, White	1	1PaC
Herald.....	White, Gallatin	3	1TC, 1TA, 1CA
Inman East.....	Gallatin	11	1CiPa, 2CiT, 1CiPaWT, 1PaW, 1PaWT, 2WT, 1WC, 2TC
Inman West.....	Gallatin	5	5TC
Iola.....	Clay	30	1TA, 15CPBA, 9BA, 1BReA, 3PBA, 1RM
Iron.....	White	5	1TW, 3TH, 1CB
Irvington.....	Washington	5	3CB, 2BA
Johnsonville Consolidated.....	Wayne	32	19AM, 5ALM, 8LM
Johnsonville North.....	Wayne	1	1LM
Keensburg Consolidated.....	Wabash	10	2BiC, 1CP, 7CB
Kenner.....	Clay	1	1BA
King.....	Jefferson	2	1AL, 1ALRM
Lancaster.....	Wabash, Lawrence	1	1LM
Leech Twp.....	Wayne	1	1AL
Louden.....	Fayette, Effingham	633	123CB, 211CP, 3CA, 209CPB, 1CPA, 9CBA, 7CPBA, 47PB, 2PA, 13PBA, 8BA, 13BA, 1BAR, 1BAM, 1AM, 2RM, 18CR, 2CRM, 1WM, 1BRM, 1CB, 1PA, 2BA, 1DT, 3PaT, 1TC, 1RM, 3AL, 2PeC, 1BrC, 1PeT, 2JC, 5BiC, 2BiB, 1BiM, 3BiCM, 5TC, 1TB, 1JaC, 8CM, 1CB, 2RM, 1LR, 2LRM, 2LM, 1LM, 2WC, 10WCB, 1WTCB, 5WCBA, 1WB, 1TM, 1TP, 1TCP, 8TC, 30CB, 1CPB, 13CA, 7CBA, 7CBM, 1CM, 14PA, 1PAR, 15BA, 5AM, 1PeBA, 1BiCA, 2WCBAM, 1WM, 1WBM, 1WCA, 1WT, 1WTC, 1WBA, 1TPB, 1TB, 1TCM, 5CP, 13CBAM, 1CPM, 1CPBAM, 2CPA, 32PB, 1BM, 1RM
Mason South.....	Effingham	18	
Mattoon.....	Coles	20	
Maud.....	Wabash	2	
Maunie North.....	White	4	
Maunie South.....	White	6	
Mill Shoals.....	White	3	
Mt. Carmel.....	Wabash	40	
Mt. Vernon.....	Jefferson	1	
New Harmony-Griffin Consolidated.	White, Wabash	93	

TABLE 6.—(Continued)

Field	County	Total Number of Combination Wells	Number of Wells and Producing Formations ^a
New Haven.....	White	5	3TC, 1CA, 1CAM
Noble.....	Richland, Clay	5	3CM, 2LM
Noble North.....	Richland	1	1CM
Parkersburg Consolidated.....	Richland, Edwards	7	6CM, 1RM
Passport.....	Clay	1	1RM
Patton.....	Wabash	1	1RM
Patton West.....	Wabash	4	1CB, 1CL, 1CM, 1RM
Phillipstown Consolidated.....	White	16	1PeT, 1PeD, 1PeB, 1DCI, 3CIT, 1TP, 5BA, 1BM, 2RM
Roaches.....	Jefferson	3	3RM
Roland.....	White, Gallatin	34	7WTB, 9WB, 10WA, 1WCBA, 1WBA, 1TCALM, 5CB, 1CBA, 1CPA, 3CA
Rural Hill.....	Hamilton	67	2CAL, 1CPAL, 1CBAL, 19AL, 30AM, 14ALM
Sailor Springs Consolidated.....	Clay	4	3TC, 1G
Salem.....	Marion	935	577BA, 2BAMS, 2BM, 310MS, 1RM, 3MS, 1SD, 39DT
Sesser.....	Franklin	1	1RM
Sims.....	Wayne	22	15AM, 4ALM, 3LM
Stanford.....	Clay	1	1RM
Storms.....	White	10	1TP, 1TA, 2CP, 3CB, 2CA, 1PA
Tonti.....	Marion	2	2BA
Whittington.....	Franklin	1	1MSt
Woodlawn.....	Jefferson	12	12BA
		2,500	

^a Names of sands are indicated as follows:

Pe, Pennsylvanian	D, Degonia	H, Hardinsburg	Re, Renault	St, St. Louis
Br, Bridgeport	Cl, Clore	Ja, Jackson	A, Aux Vases	S, Salem
Bi, Biehl	W, Waltersburg	C, Cypress	L, Lower O'Hara	D, Devonian
J, Jordan	T, Tar Springs	P, Paint Creek	R, Rosclare	Tr, Trenton
Pa, Palestine	G, Glen Dean	B, Bethel	M, McClosky	

TABLE 7.—Natural Gas Produced in Illinois and Marketed in 1945

Field	County	Where Marketed	Amount Marketed, M Cu. Ft.
Russellville (gas).....	Lawrence	Illinois, Indiana, Kentucky	430,000
Ayers (gas).....	Bond	Greenville, Ill.	15,600
Louden (gas wells).....	Fayette	Vandalia, St. Elmo, Brownstown, Ill.	32,000
Louden (residue).....	Fayette	Vandalia, St. Elmo, Brownstown, Ill.	578,000

Illinois in 1945, exclusive of premium payments, is estimated to be \$102,424,000.

Price premiums amounting to \$1,959,440 were paid by the Reconstruction Finance Corporation for 6,784,680 bbl. of crude oil produced from Illinois stripper wells in the first 10 months of 1945, according to J. H. Reppert,* Associate Director, Fuel Price Division, Office of Price Administration, Washington, D. C. This is an average

premium of 28.9¢ per barrel. On the basis of this 10-month record, it is estimated that total premiums of \$2,351,000 were paid for about 8,142,000 bbl. of crude oil during the year 1945.

The following table shows the numbers of pools and wells in Illinois eligible for the various rates of premium in 1945.

	POOLS	WELLS	PREMIUM
	34	12,701	\$0.35
	17	1,387	0.25
	18	1,130	0.20
Total.....	69	15,218	

* Personal communication March 27, 1946.

PIPE LINES

Construction of pipe lines in Illinois during 1945 was confined to short lines con-

lished Mattoon Station, sec. 30, T. 13 N., R. 8 E., Coles County; 5 miles 3-in., Divide West and Divide fields to Ashland's line in Coil West field.

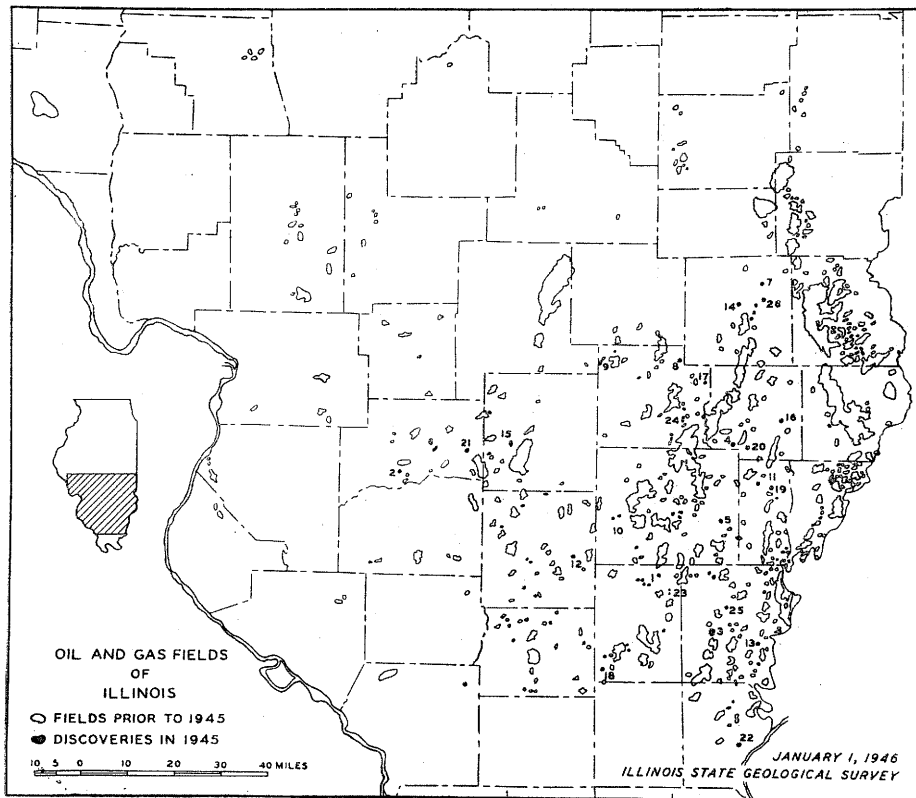


FIG. 2.

- | | | |
|----------------------|------------------------|------------------------|
| 1. Aden South. | 10. Keenville. | 19. Samsville North. |
| 2. Bartelso West. | 11. Maple Grove South. | 20. Seminary. |
| 3. Brownsville. | 12. Markham City West. | 21. Shattuc. |
| 4. Gallagher. | 13. Maunie West. | 22. Shawneetown. |
| 5. Goldengate North. | 14. Newton North. | 23. Springerton. |
| 6. Huey. | 15. Odin. | 24. Stanford. |
| 7. Hunt City. | 16. Parkersburg North. | 25. Sumpter. |
| 8. Ingraham West. | 17. Passport. | 26. Willow Hill North. |
| 9. Iola West. | 18. Rural Hill West. | |

necting new productive areas to pre-existing outlets, except for the one trunk line completion by the Texas-Empire Pipe Line Co., indicated in the detailed statement below:

Crude Oil

Ashland Pipe Line Co.—3 miles 3-in., northern Mattoon field to Texas-Empire's re-estab-

Interstate Pipe Line Co.—3 miles 4-in., northern Mattoon field to Texas Empire's Mattoon Station, Coles County; 21 miles 8-in., southern Mattoon field, Coles County, to Ohio's Montrose station, Effingham County; 6 miles 6-in., northern Mattoon field to the northern terminus of Interstate's new 8-in. line in southern Mattoon field, Coles County.

Kingwood-Breuil Consolidated Pipe Line Co.—3 miles 3-in., Ingraham West field to Bible Grove gathering system, Clay County.

Pure Oil Co.—2 miles 4-in., Willow Hill North field to terminus of Pure Transportation Company's new line in Willow Hill field, Jasper County; 6 miles 4-in., Brownsville field to Enfield station, White County; 3 miles 4-in., Stanford field to Clay City Consolidated gathering system, through this to Weiler (Clay City) station, Clay County.

Pure Transportation Co.—2 miles 6-in., Willow Hill pool east to the Pure Transportation Co.'s 10-in. Noble-Martinsville line, Jasper County.

Sohio Pipe Line Co.—18 miles 3-in., Cordes field to terminus of Sohio's 4-in. line in Irvington field, Washington Co. (former connections at Cordes to railroad loading dock have been removed); 2 miles 4-in., extension of Calhoun-Olney line to south side of extended Calhoun field, where new station is installed, Richland County; 2 miles 2-in., Blairsville field to Texas' pumping station, Hamilton County; 9 miles 2-in., West End field to junction with Sohio's Benton-Hoodville 6-in. line, Hamilton County.

Stanolind Pipe Line Co.—8 miles 16-in., Fort Madison (Iowa), to Niota, Hancock County (Ill.).

Texas-Empire Pipe Line Company—164 miles 12-in., several points along the pre-existing 12-in. line from the Missouri boundary to Heyworth Station, McLean County, completing Texas-Empire's loop system of 2-12-in. across Illinois.

The Texas Pipe Line Co.—3 miles 2-in., Springerton field to Texas' 6-in. line in Bungay field, Hamilton County.

Gas

Panhandle Eastern Pipe Line Co.—20 miles 6-in., Tuscola station to Mattoon, Douglas and Coles counties.

REFINERIES

No new refineries were constructed in Illinois in 1945. Total daily refinery capacity at the end of the year was about 314,000 bbl. of crude oil.

During 1945, production of crude petroleum in Illinois amounted to 75,210,000 bbl. This is 27.2 per cent of runs to stills for refineries in the Central Refining district (Illinois, Indiana, Kentucky, Michigan, western Ohio, and Wisconsin).

Stocks of crude petroleum on hand in Illinois on Dec. 31, 1945, were 16,066,000 bbl. as compared with 14,390,000 bbl. on Dec. 31, 1944. Stocks of refined products in the Central Refining district on Dec. 31, 1945, according to the U. S. Bureau of Mines, were as follows:

PRODUCT	DEC. 31, 1945, BBL.	DEC. 31, 1944, BBL.
Gasoline.....	20,720,000	19,675,000
Kerosine.....	1,769,000	2,362,000
Gas, oil and distillate fuel.....	5,773,000	6,429,000
Residual fuel oil.....	2,578,000	3,060,000

NATURAL GAS, NATURAL GASOLINE, AND LIQUEFIED PETROLEUM GAS

The total gas production in Illinois in 1945 is estimated at approximately 50 billion cubic feet. As indicated in Table 7, approximately one per cent of this was produced as dry gas from the Russellville and Ayers gas fields in Lawrence and Bond Counties, and from dry gas wells in the Loudon field in Fayette County. The gas produced from oil wells in this state is largely unmetered, and accurate figures concerning its utilization are unobtainable.

Approximately 21 billion cubic feet of gas was processed in natural gasoline plants in the Benton, Dale-Hoodville, Loudon, New Harmony, Salem and Southeastern fields. According to a preliminary estimate by the U. S. Bureau of Mines,* 55,233,000 gal. of natural gasoline and 120,683,000 gal. of liquefied petroleum gases were produced in these plants in Illinois during 1945. A little more than half of the 15 billion cubic feet of residue gas from the natural gasoline plants was re-injected into the producing formations or other oil sands. Slightly more than one third of the residue gas from these plants was used as lease or plant fuel. A little more than one half billion cubic feet

* F. S. Lott, personal communication.

of gas was sold for residential and commercial use as indicated in Table 7, and approximately one billion cubic feet of residue was not utilized.

Well over half of the gas produced from oil wells in the fields with no gasoline plants was used as lease fuel and a small amount was injected into producing sands. Possibly one sixth to one eighth of all the gas produced in Illinois during 1945 was allowed to escape and was burned in flares.

SECONDARY RECOVERY

Gas repressuring has been continued in practically all the fields where it was in use in 1944, and has been extended slightly in the Crawford County area and on the Bridgeport sand in Lawrence County. The process has also been extended in the new fields at Albion, Boyleston Consolidated, Dahlgren, and Phillipstown Consolidated. The large operations at Salem, Loudon, New Harmony-Griffin Consolidated and Rural Hill are being continued successfully.

Water-flooding was continued with conspicuous success in the Siggins, Patoka, and

basin McClosky areas. These three operations have produced about 2,700,000 bbl. of oil by water-flooding up to the end of 1945, of which approximately 1,600,000 bbl. was obtained in 1945. Several new projects are being considered for the present year.

OUTLOOK FOR 1946

Drilling is expected to continue during 1946 at nearly the same rate as in 1945, with possibly an increase in wildcat testing due to the expiration of 10-year leases in the Illinois basin. Market demand for crude oil and refined products will probably continue high during 1946.

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: Walter H. Voskuil, Frederick Squires, David H. Swann, Wayne F. Meents, James S. Yolton, and Sue R. Anderson.

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 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, oolitic 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 monocline 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.