

Geol Survey

5  
12 14.GS:  
IP 112  
c. 3



STATE OF ILLINOIS

DEPARTMENT OF REGISTRATION AND EDUCATION

# PETROLEUM INDUSTRY IN ILLINOIS, 1976

Part I. Oil and Gas Developments

Jacob Van Den Berg

Part II. Waterflood Operations

T. F. Lawry

ILLINOIS PETROLEUM 112

ILLINOIS STATE GEOLOGICAL SURVEY

1977

URBANA, IL 61801

STATE OF ILLINOIS  
DEPARTMENT OF REGISTRATION AND EDUCATION

BOARD OF NATURAL RESOURCES AND CONSERVATION

Hon. Joan G. Anderson, Director  
Laurence L. Sloss, Ph.D., Geology  
H. S. Gutowsky, Ph.D., Chemistry  
Robert H. Anderson, B.S., Engineering  
Stanley K. Shapiro, Ph.D, Forestry  
Thomas Park, Ph.D., Biology  
Dean William L. Everitt, E.E., Ph.D., D.Eng.,  
University of Illinois  
Dean John C. Guyon, Ph.D.,  
Southern Illinois University

STATE GEOLOGICAL SURVEY

Jack A. Simon, M.S., Chief

ILLINOIS STATE GEOLOGICAL SURVEY



3 3051 00004 9670

## CONTENTS

	Page		Page
Abstract . . . . .	1	Underground storage of natural gas . . . . .	8
Part I - Oil and Gas Developments		Surface storage of liquefied natural gas . . . . .	8
Introduction . . . . .	2	Reference . . . . .	8
Oil production and value . . . . .	2		
1976 drilling . . . . .	3	Part II - Waterflood Operations	
Discoveries . . . . .	3	Summary of secondary recovery operations . . . . .	71
Exploration . . . . .	5	Explanation of tables . . . . .	71
Fields revived and abandoned . . . . .	6	Use of fresh water . . . . .	72
Geologic column . . . . .	6	Tertiary recovery . . . . .	72
Crude oil reserves . . . . .	6	Conclusions . . . . .	72
Productive acreage . . . . .	6	Abbreviations . . . . .	72
Gas production . . . . .	6		
Underground storage of liquefied petroleum gas . . . . .	8		

### TABLES

	Page
Table	
1A - Summary of oil and gas drilling activity and oil production in 1976 . . . . .	9
1B - Summary of underground natural gas storage drilling activity in 1976 . . . . .	10
2 - Seven new field discoveries in 1976 . . . . .	10
3 - Discovery wells of 21 extensions to fields in 1976 . . . . .	11
4 - Discovery wells of 23 new pay zones in fields in 1976 . . . . .	12
5 - Selected unsuccessful deep tests in 1976 . . . . .	13
6 - Underground storage facilities for liquefied petroleum gases in Illinois, January 1, 1977 . . . . .	13
7 - Active underground natural gas storage projects in Illinois, January 1, 1977 . . . . .	14
8 - Illinois oil field statistics, 1976 . . . . .	16
9 - Illinois gas field statistics, 1976 . . . . .	65
10 - Project numbers by county and summary of waterflood projects in 1976 . . . . .	73
11 - Waterflood operations in Illinois, 1976 . . . . .	74
12 - Illinois waterfloods for 1976 by counties . . . . .	126
13 - Illinois oil fields having active waterfloods during 1976 . . . . .	127
14 - Summary of waterflood statistics, 1949-1976 . . . . .	130

### ILLUSTRATIONS

	Page
Figure	
1 - Major tectonic features of Illinois and their relations to significant holes drilled during 1976 . . . . .	4
2 - Generalized geologic column of southern Illinois . . . . .	7

#### ACKNOWLEDGMENTS

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

# PETROLEUM INDUSTRY IN ILLINOIS, 1976

JACOB VAN DEN BERG and T. F. LAWRY

## ABSTRACT

Illinois produced 26,272,151 barrels of crude oil in 1976, an increase of 0.8 percent from 1975. In 1976, the estimated average price per barrel of crude oil produced in Illinois was \$10.18; the estimated value of the oil produced in Illinois in 1976 was \$267,000,000.

The number of new holes drilled to test for oil and gas was 1,257, an increase of 38 percent from 1975. These tests resulted in 721 oil wells, 11 gas wells, and 525 dry holes. In addition, 45 former dry holes were reworked, or deepened, and recompleted as oil producers, and 18 former producers were reentered and recompleted as producers in new pay zones (17 oil, 1 gas). In connection with oil and gas exploration and development, total footage drilled in 1976, including service wells and structure tests, was 3,266,193, an increase of 32.1 percent from 1975.

Of the 1,257 new tests for oil and gas, 198, or 15.8 percent, were half a mile or more from production (wildcats); 22 wildcats were completed as producers, a success ratio of 11.1 percent. Eighty-six of the wildcats were more than  $1\frac{1}{2}$  miles from production (wildcat fars); 7 wildcat fars were completed as producers, a success ratio of 8.1 percent.

In 1976, 341 service wells (water input, salt water disposal, etc.) were reported, an increase of 47.5 percent from 1975. 211 new wells were drilled as service wells; 130 old wells, most of them former producers, were converted to service wells. In connection with the underground storage of natural gas, the gas industry reported 131 well completions; in connection with liquefied petroleum gas storage, there were 3 well completions. These completions included 71 structure tests, 42 injection and withdrawal wells, 18 new service wells, and 3 old wells converted to service wells.

Seven oil fields, 21 extensions to fields, and 23 new pay zones in existing fields were discovered in 1976.

Ten new waterfloods were added and 12 waterfloods were abandoned in 1976.

New projects increased the area subject to fluid injection by 2,169 pay acres; extension or re-evaluation of older projects added 2,097 pay acres. Area that is now subject to fluid injection, including abandoned projects, is 52.4 percent of the total productive pay area in the state.

Secondary recovery produced 16,810,700 barrels of crude oil. Waterfloods accounted for 16,607,900 barrels, or 63.2 percent of the state total, and pressure maintenance projects produced 202,800 barrels, or 0.8 percent of the state total.

# Part I. Oil and Gas Developments

Jacob Van Den Berg

## INTRODUCTION

This report is similar in form to the annual reports of recent years. Information about crude oil production, exploratory and development drilling, crude oil reserves, productive acreage, gas production, and underground storage of natural gas and liquefied petroleum gas is included in Part I.

Maps of the Illinois oil and gas fields do not appear in this report but, except for subsequent developments, may be found in the report for 1970 (Van Den Berg and Lawry, 1971).

However, a map (scale 1 inch = approximately 6 miles) showing Illinois oil and gas fields (but not showing secondary recovery operations) as of January 1, 1977 is available for inspection at the Survey. Ozalid copies of this map may be purchased from the following reproduction establishments:

Dean's Superior Blueprint, Inc.  
410 E. University Ave.  
Champaign, IL 61820  
(217) 359-3261

Midcontinent Reproduction Co.  
Box 436  
Mattoon, IL 61938  
(217) 235-0311

## OIL PRODUCTION AND VALUE

Illinois produced 26,272,151 barrels of crude oil in 1976, 205,499 barrels more than in 1975, an increase of 0.8 percent. This increase

in production reverses a steady decline in production that began in 1963.

Table 1A lists, by counties, the number of holes drilled, the footage drilled, and the oil production in 1976. Holes drilled are classified as tests for oil and gas, service wells, and structure tests. Table 8 lists the oil production and other data for each of the oil fields in Illinois.

Crude oil production figures by fields are received from one source, the production figure for the state as a whole from another. The latter source is believed more accurate insofar as the state's production as a whole is concerned. The discrepancy in the two figures accounts for the 581,168 barrels of crude oil for which the field and county assignments are unknown (tables 1A and 8).

The eight counties that had more than one million barrels of oil production each in 1976 accounted for 70 percent of the total oil production of Illinois; they are:

County	1976 production (bbl)	Percentage of state total
Lawrence	3,253,280	12.4
Wayne	3,119,698	11.9
White	3,108,138	11.8
Marion	2,990,267	11.4
Fayette	2,460,452	9.4
Clay	1,236,074	4.7
Crawford	1,134,192	4.3
Wabash	<u>1,076,637</u>	<u>4.1</u>
Total	18,378,738	70.0

The oil fields in Illinois that produced more than 300,000 barrels of oil each in 1976

accounted for 67.3 percent of the state's total production; they are:

Field (C = Consolidated)	1976 production (bbl)	Percentage of state total
Southeastern Illinois oil field*	4,717,493	18.0
Clay City C	3,770,516	14.3
Salem C	2,800,727	10.7
Louden	2,254,116	8.6
New Harmony C	1,636,933	6.2
Sailor Springs C	683,989	2.6
Phillipstown C	601,602	2.3
Roland C	508,370	1.9
Johnsonville C	366,085	1.4
Dale C	339,207	1.3
Total	17,679,038	67.3

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

The estimated average price per barrel of Illinois crude oil produced in 1976 was \$10.18; the estimated value of the oil produced in Illinois in 1976 was \$267,000,000.

#### 1976 DRILLING

In 1976, 1,655 wells were completed in connection with oil and gas exploration and development (table 1A), an increase of 41.8 percent from 1975. These wells include new holes drilled as oil and gas tests, former dry holes reworked, or deepened, and completed as producers, former producers reworked, or deepened, and recompleted as producers in new pay zones, new holes drilled as service wells and old holes converted to service wells, and wells drilled for structure tests. In addition, the gas industry reported 134 well completions in 1976; 131 were in connection with the underground storage of natural gas and 3 were in connection with liquefied petroleum gas storage (table 1B). The well completions consisted of 71 structure tests, 42 injection and withdrawal wells, 18 new service wells, and 3 old wells converted to service wells.

In testing for oil and gas, 1,257 new holes were drilled in 1976, an increase of 38 percent from 1975. Wells in waterflood projects are included. One hundred thirty-five of the wells were in connection with Maraflood tertiary recovery in

Main Consolidated field, Crawford County. The 1,257 new oil and gas tests resulted in 721 oil wells, 11 gas wells, and 525 dry holes. In addition, 45 former dry holes were reworked, or deepened, and recompleted as oil producers, and 18 former producers were reentered and recompleted as producers in new pay zones (17 oil, 1 gas). Three hundred forty-one service wells (water input, salt water disposal, etc.) were reported in 1976, an increase of 47.5 percent from 1975; 211 new wells were drilled and 130 old wells, most of them former producers, were converted to service wells. One hundred eighteen of the service wells were in connection with Maraflood tertiary recovery in Main Consolidated field, Crawford County.

Twelve structure tests were drilled in connection with oil exploration.

Of the 102 counties in Illinois, 52 had new holes drilled for oil and gas tests in 1976. Nine counties had 25 or more tests each and accounted for 70.6 percent of the total number of tests: Crawford (207), Wayne (154), Clay (127), White (102), Wabash (99), Lawrence (86), Edwards (50), Fayette (32), and Marion (30).

Total footage drilled in 1976 in connection with oil and gas exploration and development, including service wells and structure tests, was 3,266,193, an increase of 32.1 percent from 1975. For the 1,257 new oil and gas tests, the total footage drilled was 3,031,482, an average of 2,412 feet per well. In 1975 it was 2,523 feet per well. This decline in average footage, at least in part, is the result of the large number of shallow wells drilled in Crawford County in connection with tertiary recovery. If Crawford County wells and footage are excluded, the average depth in 1976 was 2,665 feet as compared with 2,692 feet in 1975.

#### Discoveries

Seven oil fields, 21 extensions to fields, and 23 new pay zones in existing fields (fig. 1; tables 2, 3, and 4) were discovered in Illinois in 1976. Four of the new fields produce from the Mississippian, 1 from the Devonian, 1 from the Silurian, and 1 from the Devonian and "Trenton" (Ordovician). Of the 23 new pay zones, 1 is Pennsylvanian, 21 are Mississippian (4 Chesterian, 17 Valmeyeran), and 1 is Ordovician. None of the 1976 discoveries adds significantly to reserves in Illinois. At the end of the year, of the new fields, Enfield North in White County had

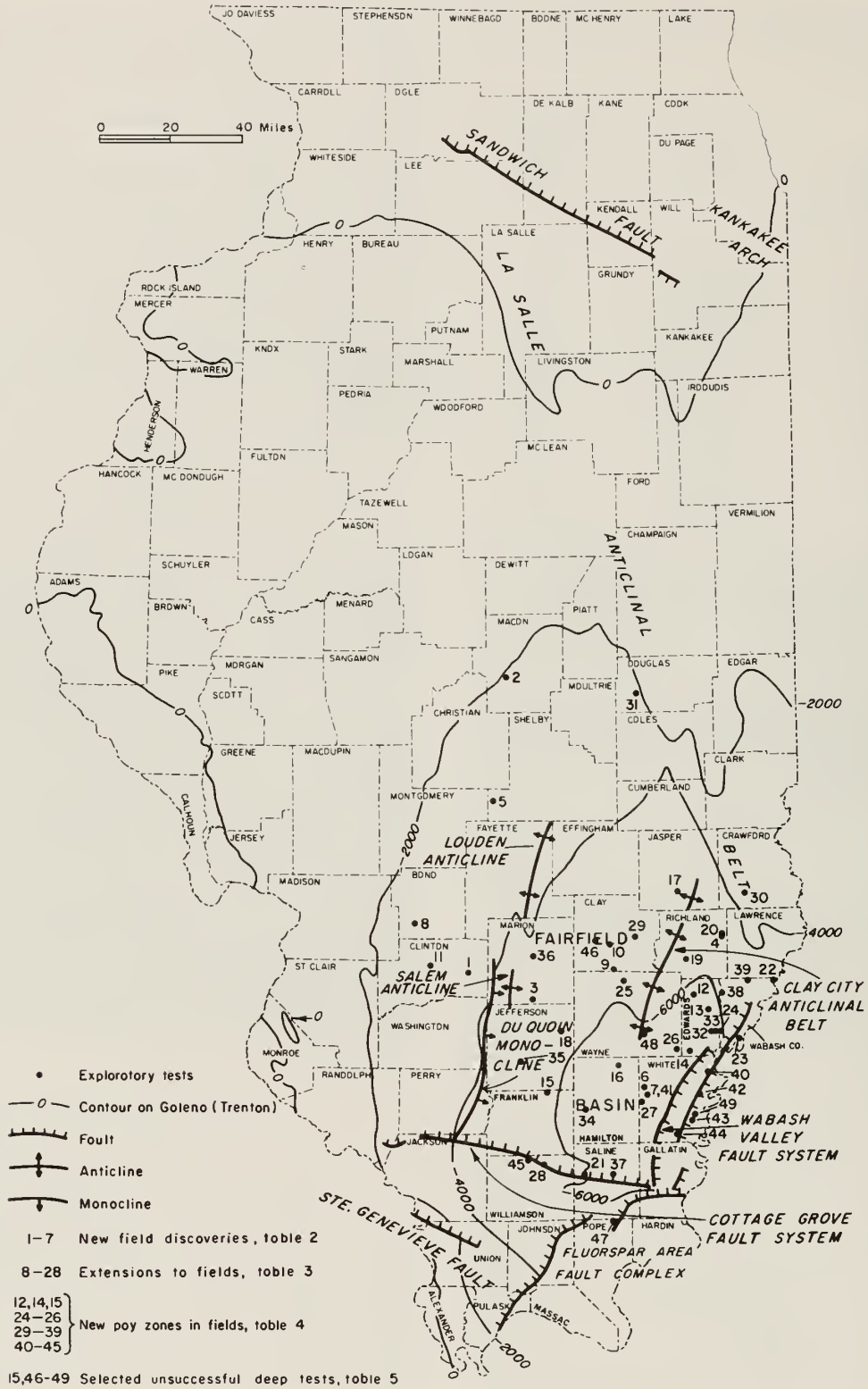


Figure 1. Major tectonic features of Illinois and their relations to significant holes drilled during 1976. Numbered holes shown are listed in tables 2, 3, 4, and 5.



five wells with total initial production of 410 barrels of oil per day, and Hadley in Richland County had five wells with total initial production of 159 barrels of oil per day. Springerton South field in White County was discovered near the end of the year; its one well had an initial production of 90 barrels per day. The other new fields each had three or less wells with small initial production figures.

#### Exploration

Of the 1,257 new tests for oil and gas, 198 (15.8 percent) were half a mile or more from production (wildcats). Twenty-two of the wildcats were completed as producers, a success ratio of 11.1 percent. Of the 112 tests drilled between  $\frac{1}{2}$  and  $1\frac{1}{2}$  miles from production (wildcat nears), 15 were producers, a success ratio of 13.4 percent; the 86 tests drilled more than  $1\frac{1}{2}$  miles from production (wildcat fars) resulted in 7 producers, a success ratio of 8.1 percent.

Of the 52 counties in which new oil and gas tests were drilled in 1976, 47 had at least one wildcat test, including wildcat nears and wildcat fars. White County led with 18 wildcats, followed by Marion (15), Washington (10), Clay and Clinton (8 each), Edgar, Lawrence, Perry, and Saline (7 each), Franklin, St. Clair, and Williamson (6 each), and Clark (5). Of the wildcat fars drilled, Marion and Washington Counties led with 6 each, followed by Clark (5), and Clinton, Shelby, and White (4 each).

Of the 86 wildcat fars reported in 1976, 45 tested rocks below the Mississippian: 13 tested Devonian, 20 Silurian, and 12 Ordovician. Not included in these figures is a wildcat far in Pope County that was drilled to a total depth of 14,920 feet and for which the information is confidential.

Deeper production was discovered in 11 fields in 1976: Ohara production in Enfield North field, White County; Spar Mountain production in Goldengate East field, Wayne County; McClosky production in Bourbon Consolidated field, Douglas County; St. Louis production in Phillipstown Consolidated field, White County; St. Louis and Ullin ("Warsaw") production in Ewing East field, Franklin County; Salem production in Samsville West field, Edwards County, in Rural Hill North field, Hamilton County, in Browns East field, Wabash County, in Rinard North field, Wayne County, and in Herald Consolidated field, White County; and "Trenton" production in Main Consolidated field, Crawford County.

In 33 fields there were unsuccessful tests to find deeper production in 1976. The deepest zones tested and the fields are as follows: McClosky in Stirtz field; St. Louis in Hadley, Massilon South and Orchardville North fields; Salem in Albion Consolidated, Albion West, Bone Gap Consolidated, Calhoun South, Evers, Iola Consolidated, Johnsonville West, Lancaster South, Pinkstaff East, Sailor Springs Consolidated, and Schnell fields; Ullin ("Warsaw") in Barnhill, Ewing, Johnsonville Consolidated, Lawrence West, Maple Grove Consolidated, Marcoe, Maunie North Consolidated, Parkersburg Consolidated, Phillipstown Consolidated, Rural Hill North, and Trumbull Consolidated fields; Devonian in Bourbon Consolidated, Concord Consolidated, Elkville, Iola South, and Mt. Carmel fields; Dutch Creek (Devonian) in Clay City Consolidated field; and Silurian in Eden field.

An important feature of the activity in Illinois in 1976 was the drilling for Salem (Valmeyeran) production. One hundred six Salem oil producers were completed in 20 fields in 10 counties. Of the fields, Clay City Consolidated led with 59 Salem completions, followed by Johnsonville South with 18; of the counties, Wayne led with 70, followed by Clay with 17. Initial production figures for the Salem wells varied greatly. The greatest production was 500 barrels per day from a well in Clay City Consolidated field. The average production for all Salem wells (excluding 8 wells with multiple pays in which production is comingled) was 67 barrels per day. In 1976, Salem production was an important factor in reversing the decline in Illinois production.

Main Consolidated and Lawrence fields are located along the southern end of the La Salle Anticlinal Belt in southeastern Illinois, Crawford, Jasper, and Lawrence Counties. Both fields were discovered in 1906.

In 1941 Devonian production in the Main Consolidated field was discovered at about 2,900 feet. At the end of 1975, only three Devonian wells had been completed. In 1976, eight Devonian producers were completed with an average initial production of about 94 barrels of oil per day; one well had initial production of 442 barrels of oil per day. Also in 1976, "Trenton" production was discovered in the field (table 4; fig. 1). After the discovery well was perforated opposite the "Trenton", in the interval between 3,892 and 3,976 feet, the well filled up with 38 gallons of oil overnight. It was then treated with 1,000 gallons of acid and fractured with 51,000 gallons of water and 161,000 pounds of sand, after which

it flowed an estimated 270 barrels of oil per day. Several months after completion of the well, production had not declined. At the end of 1976, there was only one "Trenton" well in the field, but a number of permits to test the "Trenton" have been issued.

Another interesting and potentially significant development in Main Consolidated field in 1976 was the completion of six producing wells in Sections 1 and 2, T. 5 N., R. 13 W., about two miles southeast of the town of Hardinville, Crawford County. Production is from basal Pennsylvanian sandstone occupying an erosional valley in the underlying Mississippian rocks at a depth of about 1,300 feet. Reported initial production figures of the individual wells ranged from 67 to 126 barrels per day. The areal extent of the pool has not been determined, and development is expected to continue in 1977.

In 1975, Devonian production in the Lawrence field was discovered at about 3,000 feet. One Devonian well was completed in 1975 and 11 were completed in 1976. Initial production averaged about 47 barrels of oil per day; one well initialed for 150 barrels of oil per day.

#### FIELDS REVIVED AND ABANDONED

Eight abandoned fields were revived by successful drilling in 1976: Albion West, Edwards County; Bourbon South, Douglas County; Ewing and Ewing East, Franklin County; Lancaster East, Wabash County; Newton North, Jasper County; Parkersburg West, Richland and Edwards County; and Rural Hill North, Hamilton County.

Six fields, with a combined total of 41 wells and a combined cumulative production of 644,000 barrels of oil, were abandoned in 1976. They are Broughton South, Saline County; Lancaster Central, Wabash County; Rose Hill, Jasper County; Rushville Northwest, Schuyler County; Samsville North, Edwards County; and Stringtown South, Richland County. Lancaster Central had 16 wells and a cumulative production of 376,500 barrels of oil. Samsville North had 16 wells also, with cumulative production of 259,200 barrels. All other abandoned fields had combined cumulative production of less than 10,000 barrels.

#### GEOLOGIC COLUMN

Figure 2 is a generalized geologic column of southern Illinois. It does not show the Pleistocene deposits that cover much of Illinois bedrock, the Tertiary and Cretaceous rocks that occur

in a belt across the southern end of the state, nor the approximately 4,000 feet of Ordovician and Cambrian rocks between the base of the St. Peter Sandstone and the top of the Precambrian basement. Pay zones are indicated on the geologic column by black dots.

#### CRUDE OIL RESERVES

Estimated crude oil reserves declined 6.2 million barrels or 4.6 percent from reserves at the end of 1975, as a result of 1976 production and the addition of 20.1 million barrels of oil reserves from extensions, deeper pays, infill drilling and new fields. The additions to reserves are equivalent to 74.9 percent of the oil produced during 1976.

	Millions of barrels
Estimated reserves, 1-1-76	134.4
Withdrawn by 1976 production	26.3
Remainder after production	108.1
Revisions	
New pay zones, extensions, infill drilling and new fields	20.1
Estimated reserves, 1-1-77	128.2

#### PRODUCTIVE ACREAGE

An estimated 5,100 acres were added to the area productive of oil, and an estimated 190 acres were added to the area productive of natural gas in Illinois in 1976. The total area in Illinois that has proven productive of oil is 604,610 acres and of gas, 36,090 acres.

In Illinois the normal spacing pattern for oil wells producing from depths less than 4,000 feet is 10 acres per well for production from sandstone and 20 acres per well for production from limestone. The Oil and Gas Act makes possible (under certain circumstances) the establishment of drilling units for production from less than 4,000 feet deep. The spacing is fixed at not less than 10 acres nor more than 40 acres per well. For wells producing from depths between 4,000 and 6,000 feet, the spacing is 40 acres per well. For wells producing from depths greater than 6,000 feet, it is 160 acres per well.

#### GAS PRODUCTION

Approximately 1,556 million cubic feet of natural gas was produced and marketed in Illinois

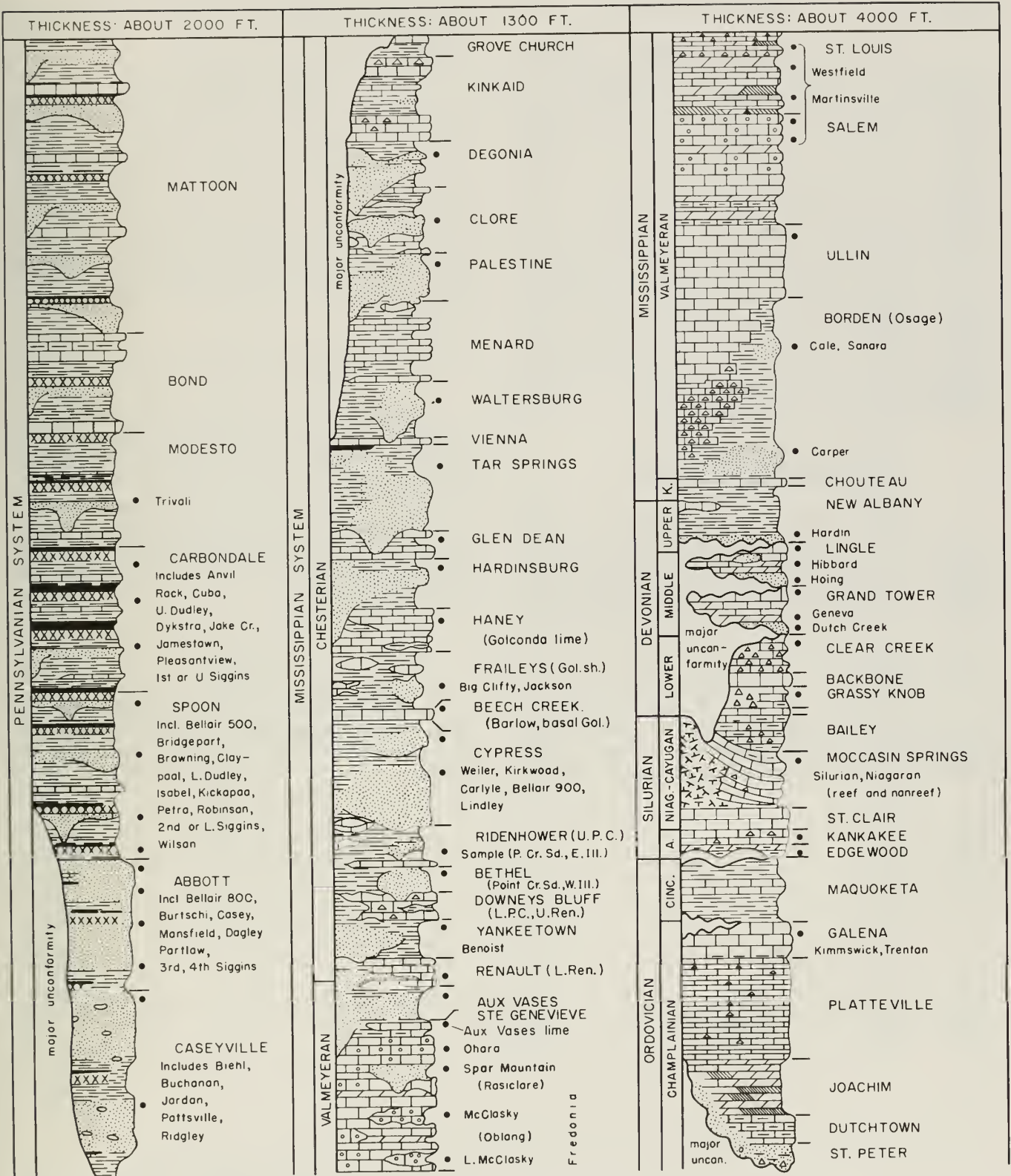


Figure 2. Generalized geologic column of southern Illinois. Black dots indicate oil and gas pay zones. Formation names are in capitals; other pay zones are not. About 4,000 feet of lower Ordovician and upper Cambrian rocks under the St. Peter are not shown. The names of the Kinderhookian, Niagaran, Alexandrian,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

in 1976, about 116 million cubic feet more than in 1975.

From Eldorado Consolidated, Eldorado East, and Harco South fields in Saline and Gallatin Counties, the natural gas, 75.8 million cubic feet, was sold in the Eldorado and Harrisburg area. From Herald Consolidated field in Gallatin County, 4.8 million cubic feet was sold in the Carmi area. From Johnston City East and Stiritz fields in Williamson County, 68.6 million cubic feet was sold in Murphysboro, Carbondale, Benton, and Du Quoin. The production from Mattoon field in Coles County, 1,198.5 million cubic feet, was sold in the Effingham, Mattoon, and Paris areas. Raleigh field production, 18.3 million cubic feet of natural gas, was sold to cities in Gallatin County. The production from Stubblefield South field, 190.5 million cubic feet, was sold to the Illinois Power Company system.

#### UNDERGROUND STORAGE OF LIQUEFIED PETROLEUM GAS

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

#### UNDERGROUND STORAGE OF NATURAL GAS

In Illinois at the end of 1976, 39 underground natural gas storage projects either were operating, were being developed, or were being tested. Several reservoirs were being studied

for their gas storage possibilities. Gas is stored in rocks of Pennsylvanian through Cambrian age at depths from 350 to 4,000 feet.

Table 7 lists information about active Illinois storage projects. These storage facilities could hold as much as 1.5 trillion cubic feet of gas. The amount of this capacity that is likely to be used depends upon the availability of gas; ultimately, about 1.2 trillion cubic feet probably will be used. The amount of gas actually in storage at the end of 1976 was about 740 billion cubic feet. About one-third of this was working gas and two-thirds was cushion gas, which is not readily available for withdrawal and delivery to customers.

#### SURFACE STORAGE OF LIQUEFIED NATURAL GAS

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

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

#### REFERENCE

Van Den Berg, Jacob, and T. F. Lawry, 1971, Petroleum Industry in Illinois, 1970: Illinois Geological Survey Illinois Petroleum 97, 126 p.

TABLE 1A. Summary of oil and gas drilling activity and oil production in 1976

County	Production tests							Service wells						Total oil production (bbl)
	Permits to drill	Total completions	New holes		D&A to prod.*	Prod. to prod. in new pay zones*	Footage drilled	New service wells	Conversions		Footage drilled	Structure tests	Total footage drilled	
			Prod.*	D&A					Were prod.	Other†				
Adams	7	7	2	5	-	-	5,362	-	-	-	-	-	5,362	3,261
Bond	16	10	7	3	-	-	11,692	-	-	-	-	-	11,692	48,373
Brown	6	4	1	3	-	-	2,545	-	-	-	-	-	2,545	2,838
Cass	-	1	-	1	-	-	770	-	-	-	-	-	770	-
Christian	15	20	2	6	-	-	16,283	-	12	-	-	-	16,283	330,952
Clark	49	22	11	8	-	-	26,505	-	3	-	-	-	26,505	346,387‡
Clay	145	148	85	42	8	4	395,521	-	8	5	716	-	396,237	1,236,074
Clinton	35	24	7 (1)	13	2	1	41,423	-	1	-	-	-	41,423	416,341
Coles	23	18	8	4	-	1 (1)	24,053	1	1	-	266	4	25,992	184,092
Crawford	172	350	187	20	-	-	233,400	129	9	1	126,776	4	364,209	1,134,192
Cumberland	10	17	2	4	-	-	12,633	10	-	-	3,808	1	16,851	‡
De Witt	2	2	-	2	-	-	3,257	-	-	-	-	-	3,257	146,545
Douglas	7	9	2	5	1	-	13,079	-	-	-	-	1	13,239	16,632
Edgar	20	20	3 (4)	11	-	-	12,834	-	-	-	-	2	13,224	104,169
Edwards	56	55	32	18	3	1	157,407	-	1	1	-	-	157,407	554,700
Effingham	21	14	5	6	-	1	30,107	1	2	-	2,474	-	32,581	210,641
Fayette	66	34	23	9	2	5	59,816	-	-	-	-	-	59,816	2,460,452
Franklin	39	26	5	14	1	-	66,245	3	3	-	6,594	-	72,839	424,238
Gallatin	27	19	4	9	-	-	35,864	2	2	2	2,891	-	38,755	461,842
Greene	1	1	-	1	-	-	422	-	-	-	-	-	422	-
Hamilton	22	18	4	11	-	-	51,841	1	2	-	3,206	-	55,047	514,544
Hancock	2	2	-	2	-	-	1,415	-	-	-	-	-	1,415	-
Henderson	-	1	-	1	-	-	1,030	-	-	-	-	-	1,030	-
Jackson	3	3	-	3	-	-	10,199	-	-	-	-	-	10,199	2,939
Jasper	21	14	7	3	3	-	30,331	-	1	-	-	-	30,331	577,331
Jefferson	25	18	8	8	-	1	48,231	-	2	-	-	-	48,231	705,255
Johnson	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Lawrence	172	142	61	25	1	1	198,718	51	4	-	60,305	-	259,023	3,253,280
McDonough	3	1	-	1	-	-	750	-	-	-	-	-	750	33,963
McLean	2	1	-	1	-	-	1,203	-	-	-	-	-	1,203	-
Macon	11	10	3	7	-	-	21,264	-	-	-	-	-	21,264	15,294
Macoupin	5	3	-	2	-	-	950	1	-	-	505	-	1,455	6,730
Madison	17	14	2	9	2	-	10,739	1	-	-	186	-	10,925	93,656
Marion	66	50	7	23	1	1	82,752	-	19	-	71	-	82,823	2,990,267
Monroe	13	3	1	-	-	-	386	1	-	1	520	-	906	686
Montgomery	4	1	-	1	-	1	880	-	-	-	-	-	880	761
Morgan	1	1	-	1	-	-	825	-	-	-	-	-	825	-
Moultrie	1	2	-	2	-	-	5,217	-	-	-	-	-	5,217	2,167
Perry	4	9	1	8	-	-	13,314	-	-	-	-	-	13,314	17,284
Piatt	2	2	-	2	-	-	4,193	-	-	-	-	-	4,193	-
Pope	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Randolph	3	3	1	2	-	-	6,798	-	1	-	-	-	6,798	65,916
Richland	47	38	9	13	-	1	69,747	1	9	6	250	-	69,997	960,022
St. Clair	6	12	- (6)	6	-	-	11,739	-	-	-	-	-	11,739	31,492
Saline	21	20	9	11	-	-	59,093	-	-	-	-	-	59,093	204,009
Sangamon	31	24	9	15	-	-	42,834	-	-	-	-	-	42,834	155,667
Schuyler	-	1	-	1	-	-	576	-	-	-	-	-	576	-
Shelby	2	8	3	4	-	-	21,897	-	1	-	-	-	21,897	46,271
Tazewell	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermilion	1	1	-	1	-	-	1,464	-	-	-	-	-	1,464	-
Wabash	124	117	48	51	7	1	231,048	3	6	2	5,039	-	236,087	1,076,637
Washington	22	19	2	17	-	-	30,802	-	-	-	-	-	30,802	500,852
Wayne	237	173	103	51	7	3	581,586	1	10	1	3,850	-	585,436	3,119,698
White	162	127	51	51	7	3	340,997	4	12	2	9,705	-	350,702	3,108,138
Williamson	11	16	6	8	-	-	37,599	1	-	1	1,670	-	39,269	126,395
Production, location unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	581,168
<b>Total</b>	<b>1,761</b>	<b>1,655</b>	<b>721 (11)</b>	<b>525</b>	<b>45</b>	<b>17 (1)</b>	<b>3,069,636</b>	<b>211</b>	<b>108</b>	<b>22</b>	<b>228,832</b>	<b>12</b>	<b>3,305,134</b>	<b>26,272,151</b>

\*Gas in parentheses; not included in totals.

†Former D&A and other types of wells, except former producers.

‡Production is combined for Clark and Cumberland Counties.

TABLE 1B. Summary of underground natural gas storage drilling activity in 1976\*

County	Permits issued	Total completions	Injection and withdrawal wells		Service wells		Footage
			New wells	Conversions	New wells	Conversions	
Champaign	11	20	18	2	-	-	77,444
Douglas	-	3	3	-	-	-	13,570
Fayette	-	2	-	-	-	2	2,639
Iroquois	1	1	-	-	1	-	545
Kankakee	2	6	2	-	3	1	9,323
La Salle	4	-	-	-	-	-	-
Livingston	-	10	6	-	4	-	23,941
McDonough	3	3	2	-	1	-	8,516
McLean	13	17	8	-	9	-	71,599
Montgomery	1	1	1	-	-	-	3,300
TOTALS	35	63	40	2	18	3	210,877

\*In connection with underground storage of natural gas, 61 structure test permits were issued, 68 structure test were drilled, with total footage of 53,397. In connection with liquefied petroleum gas storage, 3 structure tests, with total footage of 1,348, were drilled.

TABLE 2. Seven new field discoveries in 1976

Map no. (fig. 1)	County and location	Operator, well no., and farm	Field	Initial daily prod., oil/wtr. (bbl)	Pay zone	Prod. depth (ft)	Total depth (ft)	Completion date
1	Clinton 19-2N-1W	Ego Oil Co., Inc #1 Paul Defend	Ferrin	5/6	Devonian Trenton	2,845 3,944	3,956	11-13
2	Macon 36-16N-1E	W. Andrew Corley #1 Howard Hill	Harristown S	10/2	Silurian	2,153	2,195	8-8-75
3	Marion 30-1N-3E	G.A.M. Oil Co. #1 Jerry Phillips	Kell N	15	St. Louis Salem	2,696 2,772	3,118	5-9
4	Richland 35-4N-14W	C.E.R. Production Co. #1 Pierce-Shafer	Hadley	51	Spar Mtn.	2,979	2,986	6-8
5	Shelby 20-10N-1E	C.E. Brehm Drlg. & Prod. #1 Vincent Sommer	Oconee	20/20	Devonian	2,848	3,139	3-1-75
6	White 32-4S-8E	R K Petroleum Corp. #1 Orr et al.	Springerton S	90	Spar Mtn.	3,446	3,500	11-1
7	White 9-5S-8E	R K Petroleum Corp. #2 Willard Brockett, Jr.	Enfield N	161	Aux Vases	3,333	3,337	8-8

TABLE 3. Discovery wells of 21 extensions to fields in 1976  
(C, Consolidated; E, East; N, North; S, South; W, West)

Map no. (fig. 1)	County and location	Operator, well no., and farm	Field	Initial daily prod. oil/water (bbl)	Pay zone	Prod. depth (ft)	Total depth (ft)	Comple- tion date	Remarks
8	Bond 11-4N-4W	Dolphin Oprtg. Co., Inc. #1 McCasland et al. Unit	Stubblefield S	192	Devonian	2,212	2,219	11-4	
9	Clay 14-2N-6E	Republic Oil Co., Inc. #3 L. Valbert	Flora SE	20/5	McClosky	3,119	3,179	9-11	OWWO, OTD 3,179; was D&A.
10	Clay 10-3N-6E	Comanche Oil Corp. #1 Eade	Louisville S	100/100	Aux Vases	2,837	4,740	3-31	OWDD, OTD 3,093; was D&A.
11	Clinton 9-2N-3W	Leland Monken #1 Gregory Buss	Carlyle	4/6	Cypress	975	1,103	8-24	OWWO, OTD 1,103; was D&A.
12	Edwards 22-1N-10E	Spartan Petr. Co. #1 Leonard Garman	Samsville W	8	Salem	3,863	4,015	7-27	New pay in field.
13	Edwards 7-1S-14W	M. V. Ring #1 Kelsey	Bone Gap C	7	Ohara	3,127	3,742	2-24	
14	Edwards 9-3S-10E	M. V. Ring #1 H. Hoover	Albion W	30	Ohara	3,230	3,314	12-7	New pay in field.
15	Franklin 2-5S-3E	C. E. Brehm Drlg. & Prod. #1 Clayton Heirs Comm.	Ewing E	104/70	St. Louis Ullin	3,270 3,885	9,511	10-12	St. Louis & Warsaw, new pays in field.
16	Hamilton 31-3S-7E	Oilfield Research, Inc. #2 Evelyn E. Leach et al.	Aden S	8/19	McClosky	3,424	3,459	4-6	
17	Jasper 25-6N-9E	Donald E. Schmitt #1 N. Ochs	Clay City C	13	McClosky	2,968	3,035	5-20	
18	Jefferson 9-2S-4E	Fletcher F. Farrar #1 Farrar	Oakdale N	16	McClosky	2,998	3,030	10-12	
19	Richland 32-3N-10E	Spartan Petr. Co. #1 Runyon et al.	Calhoun C	20/20	Salem	3,824	3,965	11-7	
20	Richland 26-4N-14W	C.E.R. Production Co. #1 McCaw	Hadley	41	Spar Mtn.	2,986	3,014	9-22	
21	Saline 33-8S-5E	Santoro Oil Co., Inc. #1 R. L. Owen et al.	Harco	60	Cypress	2,627	3,076	6-9	
22	Wabash 31-2N-11W	Gilbert A. Higgins #1 Roscoe Schafer	Allendale	3/100	Salem	2,586	5,143	10-1-74	OWWO, OTD 5,143; was D&A.
23	Wabash 22-2S-13W	Andy G. Hocking #1 Kieffer-Waddle Comm.	Keensburg S	10/5	Salem	3,222	3,365	12-3	OWDD, OTD 2,447; was D&A.
24	Wabash 10-2S-14W	Andy G. Hocking #1 Fred Hocking	Browns E	8/30	Salem	3,422	3,650	11-9	New pay in field.
25	Wayne 32-2N-7E	Perry Fulk #1 Knapp	Rinard N	35/175	Salem	3,812	3,950	8-1	New pay in field.
26	Wayne 2-3S-9E	Farmers Petr. Coop., Inc. #1 Michels-Raester Comm.	Goldengate E	24	Spar Mtn.	3,342	3,411	4-5	OWWO, OTD 3,411; was D&A. New pay in field.
27	White 19-5S-8E	J. D. Turner #2 R. J. Wilson Comm.	Enfield	168	Aux Vases	3,357	3,384	1-13	
28	Williamson 15-8S-3E	C. E. Brehm Drlg. & Prod. #1 Mutual Oil & Gas	Johnston City E	24/120	Spar Mtn.	2,737	2,757	5-6-75	

TABLE 4. Discovery wells of 23 new pay zones in fields in 1976  
(C, Consolidated; E, East; N, North; S, South; W, West)

Map no. (fig. 1)	County and location	Operator, well no., and farm	Field	Initial daily prod. oil/water (bbl)	New pay zone	Prod. depth (ft)	Total depth (ft)	Comple- tion date	Remarks
29	Clay 35-4N-7E	James C. Franklin #1 R. Franklin	Sailor Springs C	240	Jackson	2,551	3,490	4-27	
30	Crawford 35-6N-13W	Lamar Properties #1-A A. J. Shipman	Main C	270	Trenton	3,976	4,004	12-21	
31	Douglas 24-15N-7E	Elton M. Botts #M-1 Jones	Bourbon C	16	McClosky	1,715	1,729	8-15	
12	Edwards 22-1N-10E	Spartan Petroleum Co. #1 Leonard Gorman	Samsville W	8	Salem	3,863	4,015	7-27	Extension to field.
32	Edwards 8-2S-14W	Raymond A. Messman #2-A R. A. Messman	Browns S	40	Waltersburg	2,332	3,035	7-15-75	
33	Edwards 9-2S-14W	Raymond A. Messman #3 R. A. Messman	Browns S	oil well	Ohara	3,022	3,035	12-3	
14	Edwards 9-3S-10E	M. V. Ring #1 H. Hoover	Albion W	30	Ohara	3,230	3,314	12-7	Extension to field.
15	Franklin 2-5S-3E	C. E. Brehm Drlg. & Prod. #1 Clayton Heirs Comm.	Ewing E	104/70	St. Louis Ullin	3,270 3,885	9,511	10-12	Extension to field.
34	Hamilton 34-5S-5E	Juniper Petr. Corp. #58-34 Dunn et al.	Rural Hill N	30/115	Salem	3,938	4,300	6-8	Produces from Cypress also.
35	Jefferson 22-3S-2E	Leo Dare #1 J. W. Dare	Marcoe	7/8	Spar Mountain	2,718	2,765	8-16	OWWO, OTD 2,765; was McClosky prod.
36	Marion 30-3N-3E	Kenneth E. Beeman #5 Foster	Brubaker	4/18	St. Louis	2,589	2,589	9-6-74	
37	Saline 35-8S-6E	John L. Jehle #1 De Villez	Eldorado C	16	Degonia	1,704	2,505	2-17	
38	Wabash 15-1N-14W	Louis A. Pessina #1 Clodfelter et al. Comm.	Gards Point C	5	McClosky	2,909	3,730	12-7	
39	Wabash 36-2N-13W	Abell Ltd. #1 Abell-Wilber Comm.	Lancaster E	9/3	Buchanan	1,412	1,412	8-20	OWWO, OTD 1,863 was D&A. Produces from Bridgeport also.
24	Wabash 10-2S-14W	Andy G. Hocking #1 Fred Hocking	Browns E	8/30	Salem	3,422	3,650	11-9	Extension to field.
25	Wayne 32-2N-7E	Perry Fulk #1 Knapp	Rinard N	35/175	Salem	3,812	3,950	8-1	Extension to field.
26	Wayne 2-3S-9E	Farmers Petr. Coop., Inc. #1 Michels-Racster Comm.	Goldengate E	24	Spar Mountain	3,342	3,411	4-5	OWWO, OTD 3,411 was D&A. Exten- sion to field.
40	White 7-4S-14W	Absher Oil Co. #12 Garfield Parson	Phillipstown C	3	St. Louis	3,130	3,150	4-20	
41	White 9-5S-8E	R K Petroleum Co. #1 Triple AAA Ranch	Enfield N	85	Ohara	3,409	3,490	10-11	
42	White 11-5S-10E	Richard W. Beeson #2 Earlene Brooks	Phillipstown S	20	Palestine	2,142	2,148	8-24	
43	White 16-6S-10E	Hummon Oil Co. #1 Sturm	Concord C	36	St. Louis	3,376	4,969	7-9	OWDD, OTD 3,085; was Ste. Genevieve prod.
44	White 2-7S-9E	C. E. Brehm Drlg. & Prod. #1 Evans	Herald C	24/10	Salem	3,873	4,096	5-28	
45	Williamson 12-8S-2E	C. E. Brehm Drlg. & Prod. #1 G. Jeske	Stiritz	10	Bethel	2,473	2,725	9-1-75	



TABLE 5. Selected unsuccessful deep tests in 1976

Map no. (fig. 1)	County and location	Operator well no. and farm	Field or wildcat	Deepest strata tested	Depth to top (ft)	Total depth (ft)	Comple- tion date
46	Clay 1-3N-5E	H-A-V-E Oil Co. #1 Dean Sutton	WF <sup>a</sup>	Galena	5,711	6,048	2-20-75
15	Franklin 2-5S-3E	C. E. Brehm Drlg. & Prod. #1 Clayton Heirs Comm.	WN <sup>b</sup>	Knox <sup>c</sup>	7,663	9,511	10-12
47	Pope 2-11S-6E	Texas Pacific Oil Co. #1 B. Farley et al. <sup>d</sup>	WF	?	?	14,920	9-17
48	Wayne 17-2S-8E	C. E. Brehm Drlg. & Prod. #1 B. Puckett <sup>e</sup>	Clay City C	Devonian	5,146	5,385	1-18
49	White 10-6S-10E	Duke Resources Corp. #1 Heather-Williams	Concord C	Devonian	4,984	5,313	7-4

<sup>a</sup>Wildcat far, drilled more than 1½ miles from production.

<sup>b</sup>Wildcat near, drilled ½ to 1½ miles from production.

<sup>c</sup>Plugged back to produce from St. Louis and Ullin.

<sup>d</sup>Confidential, not included in 1976 statistics.

<sup>e</sup>OWDD, OTD 3369 was D&A.

TABLE 6. Underground storage facilities for liquefied petroleum gases in Illinois, January 1, 1977

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

Project	Company	County Township Range	Operational dates (initial)			Number of wells			Geologic data			
			Devel- opment	Stor- age	With- drawal	Oper- ating	Obser- vation	Other	Stratigraphic unit	Lithol- ogy	Trap	Native fluid
Ancona	Northern Illinois Gas Co.	La Salle & Livingston 29, 30N-2, 3E	1961	1963	1965	105	30	—	Mt. Simon	sand	anti- cline	water
Ashmore	Central Illinois Public Service	Coles & Clark 12N-10, 11E, 14W	1960	1963	1963	48	5	53	Spoon Salem	sand lime	dome	gas
Brocton	Peoples Gas Light & Coke Co.	Douglas & Edgar 14, 15N-13, 14W	(in exploration)			0	5	—	Lingle Crand Tower	lime dolo- mite	dome	water
Centralia East	Illinois Power Co.	Marion 1N-1E	1960	1964	1966	16	4	—	Pennsylvanian	sand	strati- graphic	gas
Cooks Mills	Natural Gas Pipe- line Co.	Coles & Douglas 14N-7, 8E	1956	1959	1959	24	5	4	Cypress Spar Mountain ("Rosiclare")	sand	lens	gas
Corinth	Central Illinois Public Service	Williamson 8S-4E	1972	1972	1972	2	—	—	Hardinsburg	sand	—	gas
Crab Orchard	Central Illinois Public Service	Williamson 9S-4E	1972	1972	1972	2	—	—	Hardinsburg	sand	—	gas
Crescent City St. P.	Northern Illinois Gas Co.	Iroquois 26, 27N-13W	1959	1967	(operations temporarily ceased)			—	St. Peter	sand	anti- cline	water
Crescent City Mt. S.			(in exploration)			4	9	—	Mt. Simon	sand	dome	water
Eden South	Illinois Power Co.	Randolph 5S-5W	1970	1971	1971	12	5	—	Cypress	sand	strati- graphic	gas
Elbridge	Midwestern Gas Transmission Co.	Edgar 12, 13N-11W	1961	1965	1966	12	7	—	Grand Tower	lime	drape over reef	water
Freeburg	Illinois Power Co.	St. Clair 1, 2S-7W	1958	1959	1959	87	3	—	Cypress	sand	strati- graphic	gas
Gillespie- Bend	Illinois Power Co.	Macoupin 8N-6W	1958	1958	1959	7	0	—	Pennsylvanian	sand	strati- graphic	gas
Glasford	Central Illinois Light Co.	Peoria 7N-6E	1960	1964	1964	34	13	—	Niagaran	dolo- mite	dome	water
Herscher Gvl.	Natural Gas Pipe- line Co.	Kankakee 30N-10E	1952	1953	1953	60	124	25	Galesville	sand	anti- cline	water
Herscher Mt. S.			1957	1957	1958	55	17	—	Mt. Simon	sand	anti- cline	water
Herscher- Northwest	Natural Gas Pipe- line Co.	Kankakee 30, 31N-9E	1968	1969	1970	20	14	1	Mt. Simon	sand	anti- cline	water
Hillsboro	Illinois Power Co.	Montgomery 9, 10N-3W	1972	1974	1975	4	7	—	St. Peter	sand	dome	water
Hookdale	Illinois Power Co.	Bond 4N-2W	1962	1963	1963	10	4	—	Yankeetown ("Benoist")	sand	strati- graphic & structural	gas water
Hudson	Northern Illinois Cas Co.	McLean 24, 25N-2, 3E	1970	1971	1971	25	8	1	Mt. Simon	sand	dome	water
Hume	Peoples Gas Light & Coke Co.	Edgar 16N-13, 14W	(in exploration)			0	9	—	Lingle Grand Tower	lime dolomite	dome	water
Lake Bloomington	Northern Illinois Cas Co.	McLean 25, 26N-2, 3E	1971	1971	1972	33	16	1	Mt. Simon	sand	anti- cline	water
Lexington	Northern Illinois Cas Co.	McLean 25N-3, 4E	1971	1971	1972	18	10	1	Mt. Simon	sand	dome	water
Lincoln	Central Illinois Light Co.	Logan 19N-3W	1971	1974	1974	21	18	—	Silurian	dolo- mite	dome	water
Loudon	Natural Gas Pipe- line Co.	Fayette 7, 8, 9N-3E	1967	1967	1969	57	66	21	Crand Tower	lime	anti- cline	oil
Manlove	Peoples Gas Light & Coke Co.	Champaign 21N-7E	1960	1964	1966	114	12	0	Mt. Simon	sand	anti- cline	water
Media Gvl.	Mid-Continent Gas Storage Co.	Henderson 9N-4, 5W	(testing)			3	13	0	Galesville	sand	dome	water
Media Mt. S. Mills & Edwards	Egyptian Gas Stor- age Co.	Gallatin 7S-9E	1974	1975	1975					2	0	0
Edwards	Egyptian Gas Stor- age Co.	Gallatin 8S-8E	1974	1975	1975	1	0	0	Palestine	sand	lens	gas
Nevins	Midwestern Gas Transmission Co.	Edgar 12, 13N-11W	1961	1965	1966	14	7	—	Crand Tower	lime	drape over reef	water
Pecatonica	Northern Illinois Cas Co.	Winnebago 27N-10E	1967	1969	1970	14	15	—	Eau Claire	sand	dome	water
Pontiac	Northern Illinois Cas Co.	Livingston 27, 28N-6E	1966	1968	1969	40	13	1	Mt. Simon	sand	dome	water
Richwoods	Gas Utilities Co.	Crawford 6N-11W	1966	1966	1966	4	2	0	Pennsylvanian	sand	—	gas
St. Jacob	Mississippi River Transmission Corp.	Madison 3N-6W	1963	1963	1965	10	4	—	St. Peter	sand	dome	water
Sciota	Central Illinois Public Service	McDonough 6, 7N-3, 4W	1974	1975	1975	10	9	—	Mt. Simon	sand	dome	water
Shanghai	Illinois Power Co.	Warren & Mercer 12, 13N-1W	1970	1971	1971	9	10	—	Calesville	sand	dome	water
State Line	Midwestern Gas Transmission Co.	Clark, Ill., & Vigo, Ind. 12N-10W	1961	1963	1964	9	6	—	Crand Tower	lime	drape over reef	water
Tilden	Illinois Power Co.	St. Clair & Washington 3S-5, 6W	1957	1961	1961	45	15	—	Cypress	sand	strati- graphic	gss
Troy Cove	Northern Illinois Gas Co.	La Salle 34, 35N-1E	1957	1958	1959	95	32	—	Eau Claire Mt. Simon	ssnd	dome	water
Tuscola	Panhandle Eastern Pipeline Co.	Douglas & Champaign 16, 17N-8E	(testing)			13	11	1	Mt. Simon	sand	dome	water
Waverly St. P.	Panhandle Eastern Pipeline Co.	Morgan 13N-8W	1952	1954	1962	50	19	22	St. Peter	sand	dome	water
Waverly Cvl.			1969	1969	1970	10	3	—	Calesville	ssnd	dome	water

Area in acres		Reservoir data				Capacities (MMcf)*				Withdrawala (MMcf)		Project
Storage	Closure	Depth (feet)	Thickness or closure (feet)	Average porosity (%)	Average permeability (millidarcys)	Potential, cushion and working	Dec. 31, 1976		Max. vol. in storage 1976 (MMcf)	Peak daily, 1976	Total, 1976	
							Working	Cuahion				
—	12,840	2,154	290	12.3	114	155,000	47,828	90,401	150,185	607	23,868	Ancona
—	1,600	400	4-80	15.0	up to 3,000	3,575	882	1,991	3,501	31	1,382	Ashmore
—	30,000	672	210	12.2	—	70,000	—	—	—	—	—	Brocton
463	—	812	49	18.2	200	673	118	416	673	15	284	Centralia East
—	1,500	1,600	40	16.0	67	4,653	2,348	1,567	4,653	68	2,148	Cooks Milla
20	—	2,125	28	—	—	262	175	72	185	3	48	Corinth
20	—	2,200	19	—	—	257	160	67	255	4	111	Crab Orchard
—	16,725	1,200	150	14.5	138	50,000	—	—	—	—	—	Crescent St. P. City
—	—	—	—	—	—	100,000	—	—	—	—	—	Crescent Mt. S. City
—	1,000	875	18	20.6	168	1,403	407	868	1,400	6	288	Eden South
—	1,691	1,925	145	17.5	18	7,330	601	6,295	7,316	16	1,232	Elbridge
4,222	—	350	47	21.5	216	6,974	1,292	4,636	6,974	39	1,853	Freeburg
113	—	510	28	16.0	326	151	18	116	151	5	99	Gillespie-Bend
—	3,200	800	120	12.0	426	12,586	3,260	6,293	12,422	129	4,653	Glasford
6,750	8,000	1,750	100	18.0	467	50,000	11,702	23,283	38,457	771	18,281	Herscher Gvl.
7,500	8,000	2,450	80	12.0	185	67,000	28,136	32,504	65,561	221	14,816	Herscher Mt. S.
—	3,000	2,200	58	15.0	82	17,000	5,662	10,134	16,638	43	2,770	Herscher-Northwest
4,000	—	3,150	100	16.0	250	7,131	1,547	4,250	7,131	39	2,237	Hillsboro
414	—	1,125	28	20.3	458	1,097	505	285	1,097	30	1,141	Hookdale
—	13,200	3,800	160	11.0	45	100,000	2,907	22,949	28,686	79	5,313	Hudson
—	6,500	670	120	10±	—	4,000	—	—	—	—	—	Hume
—	10,600	3,525	97	11.0	45	45,000	10,087	30,397	43,425	104	7,833	Lake Bloomington
—	14,300	3,800	100	10.7	37	100,000	3,961	24,976	31,220	66	2,039	Lexington
—	3,000	1,300	85	12.0	250	11,710	2,971	6,441	11,710	50	4,712	Lincoln
2,610	—	3,050	65	15.0	—	75,000	20,679*	31,137	61,103	351	23,112	Loudon
—	13,370	3,950	116	11.0	15	200,000	24,309	84,960	121,371	490	21,936	Manlove
—	4,700	2,100	100	17.2	448	62,000	0	0	0	0	0	Media Gvl.
—	3,500	2,500	100	14.3	152	50,000	0	0	0	0	0	Media Mt. S.
—	224	2,302	18	—	—	617	61	115	184	3	70	Mills & Edwards
—	142	1,825	30	—	—	185	22	78	113	2	39	Edwards
—	1,650	1,975	105	16.5	25	7,120	821	5,685	7,113	20	1,370	Nevins
—	2,600	800	38	18.6	556	3,500	777	1,958	3,263	44	920	Pecatonica
3,500	—	3,000	100	10.0	25	45,000	12,612	25,066	41,779	137	4,780	Pontiac
—	—	700	—	—	—	105	76	20	96	2	18	Richwoods
550	650	2,860	100	14.0	400+	5,600	1,678	3,900	5,595	66	1,151	St. Jacob
—	2,500	2,600	70	12.0	39	12,000	564	1,410	2,059	18	304	Sciota
—	1,850	2,000	95	15.2	246	10,852	4,845	6,007	10,852	63	4,380	Shanghai
—	496	1,860	91	17.3	47	4,920	639	3,920	4,920	14	1,177	State Line
1,287	—	800	33	20.8	183	3,131	661	1,820	3,131	50	1,849	Tilden
—	9,600	1,420	100	17.0	150	80,000	26,826	33,881	75,259	833	46,781	Troy Grove
—	—	4,000	—	—	—	60,000	0	2,790	3,059	11	447	Tuacola
1,500	7,000	1,800	115	18.0	1,220	150,000	7,796	37,968	47,912	222	8,822	Waverly St. P.
—	—	3,500	68	—	—	—	—	—	—	—	—	Waverly Gvl.

\*Million cubic feet

TABLE 8. Illinois oil field statistics, 1976

## Explanation of abbreviations and symbols

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

TABLE 8. Illinois oil field statistics, 1976

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. Sul- fur API (%)	Pay zone Kind of rock, avg. thickness in feet, structure	Deepest test			
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-duc-ing end of year			Zone	Depth (ft)		
														Depth (ft)	
<b>A8 LAKE, GALLATIN, 8S, 10E</b>															
		1947	80	3.0	117.9	9	0	0	2		M	MIS	2953		
	PENNSYLVANIAN	805 1957	40			3	0	0	35	S	10	M			
	PALESTINE, MIS	1835 1954	10			1	0	0	36	S	5	MF			
	WALTERSBURG, MIS	2000 1957	40			3	0	0	37	S	10	M			
	RENAULT, MIS	2735	20			2	0	0	35	L	8	MF			
	AUX VASES, MIS	2770	10			1	0	0	35	S	9	MF			
<b>A8 LAKE SOUTH, GALLATIN, 9S, 10E</b>															
	AUX VASES, MIS	2798 1959	10	0.0	3.8	1	0	0	0	36	S	6	M	MIS	2982
			A80 1963												
<b>*A8 LAKE WEST, GALLATIN, 8-9S, 9-10E</b>															
		1950	450	2.6	537.4	33	0	0	15		M	MIS	2964		
	PENNSYLVANIAN	725 1954	50			3	0	0	35	S	10	ML			
	WALTERSBURG, MIS	2020 1956	300			19	0	0	37	S	20	ML			
	TAR SPRINGS, MIS	2075 1958	30			2	0	0	38	S	10	ML			
	CYPRESS, MIS	2425 1954	10			1	0	0	36	S	9	ML			
	AUX VASES, MIS	2735	160			17	0	0	36	S	6	ML			
	MCCLOSKEY, MIS	2830	10			1	0	0	38	L	2	MC			
<b>*ADEN C, WAYNE, HAMILTON, 2-3S, 7E</b>															
		1938	2400	54.5	13354.0	127	0	0	55		A	OEV	543		
	AUX VASES, MIS	3200 1938	1570			64	0	0	39	S	10	A			
	OHARA, MIS	3290 1943	2030			9	0	0	35	L	7	A			
	SPAR MTN, MIS	3320 1943	#			6	0	0	35	L8	5	AC			
	MCCLOSKEY, MIS	3350 1938	#			79	0	0	35	L	4	A			
	SALEM, MIS	3735 1948	60			9	0	0	36	L	16	AC			
	ULLIN, MIS	4132 1959	50			4	0	0	39	L	16	AC			
	LINGLE, DEV	5182 1968	10			1	0	0	3	S	10				
	OUTCH CREEK, DEV	5318 1959	30			3	0	0	40	S	10	A			
<b>ADEN EAST, WAYNE, 2S, 7E</b>															
	MCCLOSKEY, MIS	3434 1961	10	0.0	0.0	1	0	0	0	39	OL	6	MIS	355	
			A80 1961												
<b>*ADEN SOUTH, HAMILTON, 3S, 7E</b>															
		1945	340	4.3	841.6	28	1	1	8		A	OEV	546		
	AUX VASES, MIS	3245 1946	170			9	0	0	39	S	8	AL			
	OHARA, MIS	3310	340			2	0	0	37	L	7	AC			
	SPAR MTN, MIS	3330	#			8	0	0	37	L5	8	AC			
	MCCLOSKEY, MIS	3395 1945	#			17	1	1	38	L	9	AC			
<b>*AKIN, FRANKLIN, 6S, 4E</b>															
		1942	760	16.2	2417.4	59	1	8	18		A	MIS	410		
	CYPRESS, MIS	2840 1942	220			14	0	0	35	0.14	S	10	AL		
	AUX VASES, MIS	3100	520			40	1	8	37	0.12	S	22	AL		
	OHARA, MIS	3100 1956	70			4	0	0	38	L	18	AC			
	MCCLOSKEY, MIS	3270 1943	#			1	0	0	38	L	9	AC			
<b>AKIN WEST, FRANKLIN, 6S, 4E</b>															
		1948	120	6.5	226.5	9	0	0	7		A	OEV	518		
	CYPRESS, MIS	2715 1950	30			2	0	0	35	S	8	AL			
	OHARA, MIS	3050 1948	70			2	0	0	37	L	10	AC			
	SPAR MTN, MIS	3080 1948	#			1	0	0		L	12	AC			
	MCCLOSKEY, MIS	3130	#			3	0	0	39	L	4	AC			
	SALEM, MIS	3663 1962	10			1	0	0	38	L	10				
	ULLIN, MIS	3994 1962	20			2	0	0	37	L	10				
<b>ALBION CEN, EDWARDS, 2S, 10E</b>															
		1955	110	0.0	136.0	7	0	0	1			MIS	351		
	OHARA, MIS	3350 1955	110			7	0	0	37	L	5				
	MCCLOSKEY, MIS	3395	#			1	0	0		L	4				
<b>*ALBION C W, EDWARDS, WHITE, 1-3S, 10-11E, 14W</b>															
		1940	5680	208.0	29698.6	489	2	2	167			AM	OEV	518	
	MANSFIELD, PEN	1650 1950	#			6	0	0	28	S	5	MF			
	BRIDGEPORT, PEN	1900	#			30	0	0	29	0.16	S	15	MF		
	BIEM, PEN	2000 1944	#			158	1	0	37	0.16	S	15	MF		
	OEGONIA, MIS	2125	10			2	0	0	35	S	9	MF			
	WALTERSBURG, MIS	2365 1949	690			67	0	0	36	S	16	AL			
	TAR SPRINGS, MIS	2460 1944	140			10	0	0	37	S	5	AL			
	HARDINSBURG, MIS	2635	70			6	0	0	36	S	10	A			
	CYPRESS, MIS	2860	510			44	0	0	37	S	15	A			
	BETHEL, MIS	2960	940			58	0	1	36	S	14	AF			
	BENOIST, MIS	3000	190			14	1	0	34	S	13	AF			

(CONTINUED ON NEXT PAGE)

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery (ft)	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. fur %API (%)	Pay zone	Deepest test Zone	Depth (ft)	
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-ducting end of year					Kind of rock, avg. thickness in feet, structure
*ALBION C +, EDWARDS, WHITE, 1-3S, 10-11E, 14W (CONTINUED FROM PREVIOUS PAGE)														
AUX VASES, MIS		3045 1942	1630			114	0	2		37	S	18	AF	
OHARA, MIS		3110 1943	1770			11	0	0		40	L	5	AC	
SPAR MTN, MIS		3130	#			7	0	0		38	L	10	AC	
MCCLOSKEY, MIS		3200 1940	#			100	0	0		37	L	12	AC	
*ALBION EAST, EDWARDS, 2S, 14W														
		1943	1220	108.4	2035.5	89	4	1	51				A MIS 325	
CYPRESS, MIS		2800	240			18	0	0		32	S	7	A	
BETHMEL, MIS		2920	160			10	0	0		38	S	6	AL	
BENOIST, MIS		2925	120			18	0	0		38	S	10	AC	
AUX VASES, MIS		3020	300			18	0	0		34	S	17	AL	
OHARA, MIS		3100 1943	710			15	0	0		38	L	7	A	
SPAR MTN, MIS		3125 1947	#			18	4	1			L	7	A	
MCCLOSKEY, MIS		3155	#			14	0	0			L	7	A	
ALBION NORTHWEST, EDWARDS, 18, 10E														
MCCLOSKEY, MIS		3300 1967	30	1.5	34.3	3	0	0	2		L	6	MIS 340	
ALBION WEST, EDWARDS, 38, 10E														
		1953	20	0.6	2.0	2	1	0	1				MIS 376	
OHARA, MIS		3230 1976	10			1	1	0			L	8		
MCCLOSKEY, MIS		3375 1953	10			1	0	0			L	5		
ABO 1953, REV 1976														
*ALLENDALE, WABASH, LAWRENCE, 1-2N, 11-13W														
		1912	9550	253.8	22657.5	1130	27	11	327				AM ORO 514	
PLEASANTVIEW, PEN		660	6430			0	0				S	30	AM	
BRIEGEPFORT, PEN		1070	#			0	0				S	12	AM	
BUCHANAN, PEN		1290	#			0	0				S	15	AM	
BIEML, PEN		1450	#			713	16	8		33	S	20	AM	
JORDAN, PEN		1490	#			24	2				S	10	AM	
WALTERSBURG, MIS		1540	320			29	0			31	S	15	AM	
TAR SPRINGS, MIS		1600	250			22	0	1		30	S	20	AM	
HAROLINBURG, MIS		1780	10			2	0			34	S	10	AM	
CYPRESS, MIS		1920	1810			82	4			34	S	10	AM	
SAMPLE, MIS		1769	1270			11	0			35	S	11	AM	
BETHMEL, MIS		2010	#			101	1			35	S	10	AM	
AUX VASES, MIS		2280	40			5	0			37	S	12	AM	
OHARA, MIS		2300	920			16	1	1			L	10	AM	
SPAR MTN, MIS		2300	#			12	2	1			LS	5	AM	
MCCLOSKEY, MIS		2300	#			28	3			36	L	8	AM	
ST LOUIS, MIS		2275 1967	10			1	0			39	L	15		
SALEM, MIS		2774 1966	50			5	1			39	L	10		
ULLIN, MIS		2806 1966	20			2	0			39	L	12		
ALMA, MARION, 4N, 2E														
		1941	60	0.0	82.0	6	0	0	0				A OEV 369	
CYPRESS, MIS		1805	10			1	0	0		35	S	7	AL	
BENOIST, MIS		1945 1942	50			6	0	0		36	S	8	AL	
SPAR MTN, MIS		2085 1941	40			2	0	0		36	L	10	AC	
ABO														
AMITY, RICHLAND, 4N, 14W														
MCCLOSKEY, MIS		2960 1942	60	1.1	54.2	4	0	0	1	36	OL	5	MC MIS 308	
AMITY S, RICHLAND, 4N, 14W														
SPAR MTN, MIS		2890 1953	10	0.0	0.1	1	0	0	0	38	L	4	MIS 301	
ABO 1953														
AMITY W, RICHLAND, 4N, 14W														
AUX VASES, MIS		2925 1953	10	0.0	0.0	1	0	0	0	38	S	12	MIS 310	
ABO 1954														
ASHLEY, WASHINGTON, 28, 1W														
BENOIST, MIS		1430 1953	210	9.8	463.1	15	0	0	14	30	S	7	OEV 311	
ASHLEY E, WASHINGTON, 28, 1W														
BENOIST, MIS		1636 1969	60	4.9	56.6	5	0	0	5		S	6	MIS 188	
ASHMORE E, COLES, 13N, 14W														
PENNSYLVANIAN		415 1956	60	0.2	0.2	6	0	1	2	30	S	14	PEN 48	
ABO 1957, REV 1962														

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil			Deepest test			
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-ple-ted in 1976	Aban-doned 1976	Pro-duc-ing end of year	Gr. fur %API	Pay zone		Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
	Name and age										Depth (ft)					
<b>ASHMORE S +, COLES, CLARK, 12N, 10-11E, 14W</b>																
		1958	310	3,6	47,2	23	0	0	16						TRN	226
	UNNAMEO. PEN	420 1958	310			22	0	0		24	S	X	AL			
	MISSISSIPPIAN	475 1963	20			1	0	0		38	L		17			
<b>ASSUMPTION CEN, CHRISTIAN, 13N, 1E</b>																
	DEVONIAN	2433 1961	10	0,0	0,0	1	0	0	0	38	L		4		SIL	256
			ABO 1961													
<b>*ASSUMPTION C, CHRISTIAN, 13-14N, 1E</b>																
		1948	2460	75,6	10219,5	187	0	2	56					A	ORO	307
	BENDIST, MIS	1050 1949	590			46	0	0		36	S		13	A		
	SPAR MTN, MIS	1170 1949	220			17	0	1		40	S		4	AL		
	LINGLE, DEV	2300 1948	2300			126	0	1		38	L		8	A		
<b>ASSUMPTION S, CHRISTIAN, 12N, 1E</b>																
	LINGLE, DEV	2630 1951	50	0,6	22,0	3	0	0	1	39	L		15		SIL	280
<b>AVA-CAMPBELL HILL +, JACKSON, 78, 3-4W</b>																
	CYPRESS, MIS	780 1916	140	0,0	25,0	16	0	0	0	36	S		18	A	TRN	358
			ABO 1943, REV 1956, ABO 1957													
<b>BALDWIN, RANDOLPH, 4S, 6W</b>																
	SILURIAN	1535 1954	30	0,3	11,2	3	0	0	1	32	L		X	R	TRN	223
<b>BANNISTER, MARION, 2N, 3E</b>																
	AUX VASES, MIS	2570 1973	10	0,3	8,6	1	0	0	1		S		5		DEV	422
<b>*BARNMILL, WAYNE, WHITE, 2-3S, 8-9E</b>																
		1939	2020	45,3	6132,6	173	8	0	59					A	DEV	550
	AUX VASES, MIS	3325 1943	1060			83	4	0		39	S		15	AL		
	OHARA, MIS	3370	1160			9	0	0			OL		6	AC		
	SPAR MTN, MIS	3400	#			11	1	0			LS		9	AC		
	MCCLOSKEY, MIS	3450 1939	#			74	0	1		38	0,17	OL	15	AC		
	ST LOUIS, MIS	3520	10			1	0	0		38		L	7	AC		
	SALEM, MIS	3795	160			7	4	0		39		L	8	AC		
<b>*BARTELSDO, CLINTON, 1-2N, 3W</b>																
		1936	600	29,9	4115,5	113	0	0	40					O	STP	421
	CARLYLE (CYP), MIS	985 1936	420			76	0	0		36	0,20	S	15	O		
	SILURIAN	2420 1939	380			38	0	0		42	0,27	L	12	R		
<b>*BARTELSDO E, CLINTON, 1N, 3W</b>																
	SILURIAN	2550 1950	210	9,3	922,8	21	0	0	18	42		L	7	R	SIL	278
<b>BARTELSDO S, CLINTON, 1N, 3W</b>																
	DEVONIAN	2475 1942	60	0,0	23,7	3	0	0	0	40	0,15	L	3	A	DEV	265
			ABO 1962													
<b>BARTELSDO W, CLINTON, 1N, 3-4W</b>																
		1945	290	3,2	93,3	21	0	0	13					A	SIL	260
	CYPRESS, MIS	960 1945	290			18	0	0		36		S	15	A		
	SILURIAN	2439 1961	10			1	0	0		40		L	7	A		
<b>*BEAUCOUP, WASHINGTON, 28, 2W</b>																
		1951	280	0,9	378,7	14	0	0	10					A	TRN	419
	CLEAR CREEK, DEV	3050 1951	280			14	0	0		39		L	12	A		
	TRENTON, ORO	4095 1952	10			1	0	0		39		L	5	A		
<b>*BEAUCOUP S, WASHINGTON, 25, 2W</b>																
	BENOIST, MIS	1430 1951	260	12,8	1038,1	22	0	0	12	35		S	9	AL	ORO	417
<b>*BEAVER CREEK, BOND, CLINTON, 3-4N, 2-3W</b>																
	BENOIST, MIS	1130 1942	180	4,0	282,2	17	0	0	6	34	0,25	S	6	A	SIL	255

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test		
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year					
	Depth (ft)									Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
<b>BEAVER CREEK N. BOND, 4N, 3W</b>														
-----														
BENOIST, MIS		1115 1949	80	0,0	0,7	6	0	0	0	24	S	4 A	OEV	255
ABO 1954, REV 1958, ABO 1964														
<b>*BEAVER CREEK S +, CLINTON, BOND, 3-4N, 2-3W</b>														
-----														
CYPRESS, MIS		1946	590	12,0	717,6	53	1	0	27			A	SIL	260
BETHEL, MIS		1005	20			2	1	0		36	S	20 A		
BENOIST, MIS		1076 1974	10			1	0	0			S	7		
BENOIST, MIS		1140 1946	560			50	0	0		35	S	5 A		
<b>BECKEMEYER GAS +, CLINTON, 2N, 3W</b>														
-----														
CYPRESS, MIS		1070 1956	10	0,0	0,0	1	0	0	0		S	23	SIL	273
ABO 1955														
<b>*BELLAIR, CRAWFORD, JASPER, 8N, 14W</b>														
-----														
(500 FT), PEN		1907	2230	X	X	542	0	0	71			AM	OEV	206
(800 FT), PEN		560	2140			315	0	0		29	S	30 AM		
(900 FT), MIS		315	#			77	0	0		37	S	X AM		
CYPRESS, MIS		885	#			190	0	0		37	S	X AM		
BENOIST, MIS		950	50			4	0	0		36	S	4 AM		
RENAULT, MIS		1000	405			4	0	0		36	S	10 AM		
AUX VASES, MIS		830	30			6	0	0		37	S	6 AM		
OMARA, MIS		300	220			11	0	0		38	S	X AM		
CARPER, MIS		860	30			1	0	0		37	L	4 A		
CARPER, MIS		1748 1969	50			4	0	0			S	14		
SEE CLARK COUNTY DIV, FOR PRODUCTION														
<b>BELLE PRAIRIE, HAMILTON, 4S, 6-7E</b>														
-----														
MCCLOSKEY, MIS		3420 1940	300	14,6	1056,9	17	0	0	9	38	0,12 L	6 AC	OEV	543
<b>BELLE PRAIRIE W. HAMILTON, 4S, 5E</b>														
-----														
ULLIN, MIS		4206 1959	10	0,0	0,5	1	0	0	0	37	L	6	MIS	438
ABO 1960														
<b>BELLE RIVE, JEFFERSON, 3S, 4E</b>														
-----														
MCCLOSKEY, MIS		3085 1943	110	2,6	399,3	6	0	0	3	37	0,50 L	6 AC	MIS	420
<b>BELLMONT, WABASH, 1S, 13-14W</b>														
-----														
BETHEL, MIS		1951	30	0,0	73,0	4	0	0	0			M	MIS	300
OMARA, MIS		2650 1951	10		11,0	1	0	0		38	S	7 ML		
OMARA, MIS		2640 1951	20		62,0	3	0	0		40	L	7 MC		
ABO 1972														
<b>*BEMAN, LAWRENCE, 3N, 11W</b>														
-----														
AUX VASES, MIS		1942	530	7,4	323,4	34	0	0	9			A	OEV	341
STE. G, MIS		1805	100			8	0	0		38	S	20 AL		
STE. G, MIS		1850 1942	440			30	0	0		38	L	7 AC		
<b>BEMAN E, LAWRENCE, 3N, 10W</b>														
-----														
AUX VASES, MIS		1947	110	0,0	116,0	7	0	0	0			A	MIS	192
STE. G, MIS		1805 1947	30			3	0	0		38	S	20 AL		
STE. G, MIS		1860 1947	110			6	0	0		38	L	7 AC		
ABO 1960, REV 1965, ABO 1969														
<b>BENNINGTON S, EDWARDS, 1N, 10E</b>														
-----														
MCCLOSKEY, MIS		3240 1944	10	0,0	10,4	1	0	0	0	37	L	8 MC	MIS	342
ABO 1946														
<b>*BENTON, FRANKLIN, 6S, 2-3E</b>														
-----														
PENNSYLVANIAN		1941	2360	48,3	39921,3	268	0	3	86			A	TRN	625
TAR SPRINGS, MIS		1700	20			2	0	0		33	S	9 AL		
AUX VASES, MIS		2100 1941	2360			249	0	2		38	S	10 A		
OMARA, MIS		2752 1959	300			21	0	1		36	S	15 A		
MCCLOSKEY, MIS		2804 1959	190			13	0	0			L	8 A		
ST. LOUIS, MIS		2906 1960	#			5	0	0		37	OL	4 AC		
ULLIN, MIS		2990 1960	10			1	0	0		38	L	6 A		
ULLIN, MIS		3705 1960	10			1	0	0		38	L	5 A		
<b>*BENTON N, FRANKLIN, 5-6S, 2E</b>														
-----														
CYPRESS, MIS		1941	810	14,7	3599,8	80	0	1	8			A	MIS	370
PAINT CREEK, MIS		2460 1944	100			14	0	0		38	S	17 A		
BETHEL, MIS		2501 1962	390			14	0	1		38	S	8		
AUX VASES, MIS		2600 1942	#			21	0	0		38	0,15 S	20 AL		
OMARA, MIS		2685	190			15	0	0		39	0,15 S	10 A		
OMARA, MIS		2730	460			13	0	0		38	0,70 L	S A		

(CONTINUED ON NEXT PAGE)



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year			
	Depth (ft)									Zone	Depth (ft)	
(CONTINUED FROM PREVIOUS PAGE)												
•BENYON N, FRANKLIN, 5=6S, 2E												
SPAR MTN, MIS		2775 1941	#			8	0	0		36	0.15	B 6 A
MCCLOSKEY, MIS		2800	#			19	0	0		34		L 10 A
•BERRY, SANGAMON, 15N, 3W												
DEVONIAN		1961	650	12.2	563.6	44	3	0	23			SIL 196
SILURIAN		1743 1962	60			2	0	0		38		
		1736 1961	590			42	3	0		38		L 35
•BERRYVILLE C, WABASH, EDWARDS, RICHLAND, 1=2N, 14W												
		1943	550	10.8	1615.1	31	0	0	7			M MIS 368
OHARA, MIS		2900 1943	540			6	0	0		39		L 6 MC
SPAR MTN, MIS		2850 1943	#			13	0	0				L 12 MC
MCCLOSKEY, MIS		2890 1947	#			12	0	0		36		L 10 MC
SALEM, MIS		3370 1975	10			1	0	0				L 10
ULLIN, MIS		3605 1975	10			1	0	0				L 10
•BESSIE, FRANKLIN, 6S, 3E												
OHARA, MIS		2895 1943	10	2.4	143.0	1	0	0	1	39	0.15	L 10 MC MIS 345
BLACK BRANCH, SANGAMON, 15N, 4W												
SILURIAN		1600 1967	350	16.8	574.2	24	0	2	18	38		L 10 SIL 174
BLACK BRANCH E +, SANGAMON, 15N, 4W												
SILURIAN		1720 1969	10	0.0	2.8	1	0	0	0			L 20 SIL 175
			ABO 1974									
•BLACKLAND, MACON, CHRISTIAN, 15N, 1E=1W												
SILURIAN		1935 1953	380	0.8	492.0	41	0	0	4	39		L 12 MU ORO 378
BLACKLAND N, MACON, 16N, 1E												
SILURIAN		1948 1960	240	1.4	245.4	21	0	0	3	39		L 11 M SIL 216
BLACK RIVER, WHITE, 4S, 13W												
CLORE, MIS		1865 1958	10	0.0	36.4	1	0	0	0	36		S 6 MIS 307
			ABO 1974									
BLAIRSVILLE W, HAMILTON, 4S, 7E												
		1948	180	0.0	408.3	10	0	0	1			A MIB 350
AUX VASES, MIS		3250 1948	30			3	0	0				
SPAR MTN, MIS		3345	160			1	0	0				L 6 AC
MCCLOSKEY, MIS		3405 1951	#			10	0	0		37		L 8 AC
BLUFORD, JEFFERSON, 2S, 4E												
MCCLOSKEY, MIS		3060 1961	30	1.5	154.4	2	0	0	1	38		OL 6 MIS 383
BOGOTA, JASPER, 6N, 9E												
		1943	190	1.2	532.7	10	0	0	1			A MIS 323
SPAR MTN, MIS		3090	190			1	0	0				L 4 AC
MCCLOSKEY, MIS		3110 1943	#			9	0	0		39		L 7 A
BOGOTA N, JASPER, 6N, 9E												
MCCLOSKEY, MIS		3080 1949	20	0.0	0.0	2	0	0	1	37		L 3 MIS 364
			ABO 1950, REV 1973									
BOGOTA S, JASPER, 5=6N, 9E												
MCCLOSKEY, MIS		3075 1944	300	1.7	541.3	23	0	0	3	37		L 8 MC MIS 371
BOGOTA W, JASPER, 6N, 9E												
MCCLOSKEY, MIS		3080 1966	10	0.0	0.0	1	0	0	0	37		D 6 MIS 365
			ABO 1967									
•BONE GAP C, EDWARDS, 1S, 10=11E, 14W												
		1941	1200	23.2	2556.8	68	3	0	23			A MIS 383
PENNSYLVANIAN		2110 1952	10			1	0	0		32		B AL
WALTERSBURG, MIS		2310 1951	170			17	0	0		35		B 20 A

(CONTINUED ON NEXT PAGE)

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year			
	Name and age									Depth (ft)	Gr. fur %API (%)	Kind of rock, avg. thickness in feet, structure
*BONE GAP C, EDWARDS, 1S, 10-11E, 14W (CONTINUED FROM PREVIOUS PAGE)												
CYPRESS, MIS		2710 1947	100			7	0	0		37	S	10 A
BETMEL, MIS		2880 1952	60			5	0	0		39	S	14 AL
AUX VASES, MIS		3020 1947	10			1	0	0		36	S	9 AL
OHARA, MIS		3040 1948	910			9	3	0		34	L	5 AC
SPAR MTN, MIS		3045 1947	#			6	0	0		35	L	5 AC
MCCLOSKEY, MIS		3200 1941	#			24	0	0		38	0,33 L	6 AC
BONE GAP E, EDWARDS, 1S, 14W												
		1951	160	25,4	50,5	12	4	1	9			M MIS 400
OHARA, MIS		2950 1951	40			3	1	1			L	10 MC
MCCLOSKEY, MIS		3050	#			1	0	0		36	L	5 MC
SALEM, MIS		3555 1974	120			8	3	0			L	4
ABO 1956, REV 1974												
BONE GAP W, EDWARDS, 1S, 10E												
STE, GEN, MIS		3290 1954	100	0,5	31,7	5	0	0	3	36	L	5 MIS 350
ABO 1955, REV 1964												
*BOULOER +, CLINTON, 2-3N, 2W												
		1941	580	0,0	8120,0	55	0	0	0			0 TRN 381
BENDIST, MIS		1190 1942	500			33	0	0		37	S	20 O
GENEVA, OEV		2630 1941	470			22	0	0		28	0,33 O	7 R
SILURIAN		2700 1963	40			1	0	0		40	L	4
ABO 1965												
BOULOER E +, CLINTON, 3N, 1W												
OEVONIAN		2850 1955	50	7,0	218,7	5	0	0	3	39	L	5 OEV 294
*BOURBON C, DOUGLAS, 15N, 7E												
		1956	1050	7,2	1799,4	93	2	0	28			SIL 2709
SPAR MTN, MIS		1600 1956	1050			92	1	0		34	LS	12 NC
MCCLOSKEY, MIS		1715 1976	#			1	1	0			L	5
BOURBON S, DOUGLAS, 15N, 7E												
SPAR MTN, MIS		1693 1960	20	5,7	5,7	2	1	0	1	34	S	12 NC MIS 178
ABO 1964, REV 1976												
BOWYER, RICHLAND, 5N, 14W												
		1958	20	0,0	11,7	2	0	0	0			MIS 295
SPAR MTN, MIS		2883 1958	10			1	0	0		36	S	X
MCCLOSKEY, MIS		2876 1971	10			1	0	0			L	5
ABO 1967, REV 1971, ABO 1972												
*BOYO, JEFFERSON, 1S, 1-2E												
		1944	1490	19,2	14564,6	126	0	0	38			0 TRN 540
BENDIST, MIS		2060 1944	1450			114	0	0		35	0,14 S	19 A
AUX VASES, MIS		2130 1944	660			48	0	0		37	S	15 A
OHARA, MIS		2230 1945	30			24	0	0		39	L	2 AC
TRENTON, ORO		5000 1967	60			4	0	0				X
BROUGHTON, HAMILTON, 6S, 7E												
MCCLOSKEY, MIS		3275 1951	10	0,0	5,7	1	0	0	0	37	L	5 MIS 335
ABO 1954												
BROUGHTON S, SALINE, 7S, 7E												
		1951	20	0,0	0,1	2	0	1	0			MIS 330
TAR SPRINGS, MIS		2315 1974	10			1	0	1			B	7
MCCLOSKEY, MIS		3215 1951	10			1	0	0		38	L	4
ABO 1952, REV 1974, ABO 1976												
*BROWN, MARION, 1N, 1E												
CYPRESS, MIS		1670 1910	120	2,6	152,7	12	0	0	10	36	S	X N MIS 203
*BROWNS, EDWARDS, WABASH, 1-2S, 14W												
		1943	1060	30,4	2728,6	68	0	0	31			A OEV 520
BIEM, PEN		1570 1962	10			1	0	0		32	S	S
TAR SPRINGS, MIS		2365 1947	40			1	0	0		36	S	14 AL
CYPRESS, MIS		2640 1943	380			25	0	0		36	0,18 S	13 A
BETMEL, MIS		2735 1944	50			5	0	0		39	S	12 AL
AUX VASES, MIS		2965	10			1	0	0		36	S	7 AL
OHARA, MIS		2965 1946	770			13	0	0		34	L	4 AC
SPAR MTN, MIS		2975 1947	#			1	0	0			L	3 AC
MCCLOSKEY, MIS		3000 1944	#			35	0	0		38	L	6 A

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test					
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-duc-ing end of year				Gr. fur °API	Sul-fur (%)	Kind of rock, avg. thickneaa in feet, atstructure	Zone	Depth (ft)
*BROWNS E, WABASH, 1-2S, 14W																	
		1946	810	7.0	2938.1	74	1	1	15			MIS	365				
	PENNSYLVANIAN	1844 1963	10			1	0	0		32	S X						
	CYPRESS, MIS	2570 1946	790			72	0	1		36	S 13 ML						
	SALEM, MIS	3420 1976	10			1	1	0			L 20						
BROWNS S, EDWARDS, 2S, 14W																	
		1943	120	31.4	94.4	11	6	0	8			N	MIS	367			
	WALTERSBURG, MIS	2330 1976	10			5	1	0			8 10						
	BETHEL, MIS	2850 1943	60			5	3	0		38	8 15 NL						
	AUX VASES, MIS	2950 1947	40			5	0	0		36	S 8 NL						
	OMARA, MIS	3020 1976	20			2	2	0			L 6						
ABO 1968, REV 1970																	
BRUBAKER, MARION, 3N, 3E																	
		1973	140	86.8	196.8	9	2	0	9				SIL	520			
	SPAR MTN, MIS	2341 1975	50			2	1	0			8 20						
	MCCLOSKEY, MIS	2395 1975	#			1	0	0			OL 5						
	ST LOUIS, MIS	2550 1976	10			1	1	0			L 46						
	SALEM, MIS	2765 1974	10			1	0	0			0 7						
	DEVONIAN	3620 1973	70			4	0	0		34	L 1						
BUCKHORN, BROWN, 1-2S, 4W																	
	SILURIAN	682 1961	50	0.0	0.0	5	1	0	4	37	0 3		SIL	70			
ABO 1964, REV 1973																	
BUCKNER, FRANKLIN, 6S, 2E																	
	AUX VASES, MIS	2601 1963	80	3.6	72.9	6	0	1	4	38	8 12		MIS	306			
BULPITT S, CHRISTIAN, 13N, 3W																	
	DEV-SIL	1911 1962	60	0.0	3.4	4	0	0	0	38	L 15		OVS	199			
ABO 1969																	
*BUNGAY C, HAMILTON, 4S, 7E																	
		1941	3260	67.8	14216.8	254	0	1	70			A	DEV	556			
	RENAULT, MIS	3270	550			22	0	1		39	S 10 AL						
	AUX VASES, MIS	3295 1941	2740			195	0	0		39	0.24 S 15 AL						
	OMARA, MIS	3335	320			4	0	0			L 8 AC						
	SPAR MTN, MIS	3400 1943	#			3	0	0			L 8 AC						
	MCCLOSKEY, MIS	3425 1943	#			15	0	0		36	0.24 L 8 AC						
	ULLIN, MIS	4190 1959	10			1	0	0		38	L 10 AC						
BURNT PRAIRIE S, WHITE, 4S, 9E																	
		1947	30	0.2	30.5	4	0	0	1				MIS	356			
	AUX VASES, MIS	3330	10			1	0	0		37	S 24						
	OMARA, MIS	3415 1947	30			1	0	0		38	L 6						
	MCCLOSKEY, MIS	3460	#			2	0	0			L 4						
CALMOUN CEN, RICHLAND, 2N, 10E																	
		1950	30	0.0	0.5	3	0	0	0			M	MIS	353			
	SPAR MTN, MIS	3245	30			2	0	0			L 6 MC						
	MCCLOSKEY, MIS	3280 1950	#			1	0	0		37	L 3 MC						
ABO 1952, REV AND ABO 1959																	
*CALMOUN C, RICHLAND, WAYNE, 2-3N, 9-10F																	
		1944	1970	18.7	4106.8	108	1	0	14			A	MIS	403			
	OMARA, MIS	3140 1944	1960			22	0	0		39	OL 9 A						
	SPAR MTN, MIS	3160	#			25	0	0		37	OL 6 A						
	MCCLOSKEY, MIS	3180 1944	#			62	0	0		39	0.15 OL 10 A						
	ST LOUIS, MIS	3370 1967	10			1	0	0		39	L 9						
	SALEM, MIS	3730 1967	20			2	1	0		39	L 8						
*CALMOUN E, RICHLAND, 2N, 10-11E																	
	MCCLOSKEY, MIS	3265 1950	150	0.3	330.6	9	0	2	1	39	L 5 MC		MIS	338			
CALMOUN N, RICHLAND, 3N, 10E																	
		1944	60	0.0	81.6	4	0	0	2			A	MIS	328			
	SPAR MTN, MIS	3155 1944	60			1	0	0			L 8 10 A						
	MCCLOSKEY, MIS	3170 1944	#			4	0	0		36	OL 11 A						
*CALMOUN S, WAYNE, RICHLAND, EDWARDS, 1-2N, 9E																	
		1953	560	27.7	663.4	33	2	2	12				MIS	391			

(CONTINUED ON NEXT PAGE)

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery Depth (ft)	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. fur API (%)	Pay zone	Deepest test Kind of rock, avg. thickness in feet, structure	Depth (ft)		
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-ducting end of year						
														Zone	
*CALMOUN S, WAYNE, RICHLAND, EDWARDS, 1-2N, 9E (CONTINUED FROM PREVIOUS PAGE)															
AUX VASES, MIS	3175	1953	20			2	0	0		38	L	5			
OMARA, MIS	3232	1963	540			4	0	0			L	8			
SPAR MTN, MIS	3224	1962	#			16	2	2			L	5			
MCCLOSKEY, MIS	3209	1961	#			20	0	2		37	OL	6			
ABO 1953, REV 1961															
-----															
CARLINVILLE +, MACOUPIN, 9N, 7W															
UNNAMEO, PEN	380	1909	40	0,0	X	8	0	0	2	28	S	X	A	MIS	138
ABO 1925, REV 1942															
-----															
CARLINVILLE N +, MACOUPIN, 10N, 7W															
POTTSVILLE, PEN	440	1941	100	0,0	1,0	16	0	0	0	20	0,35	S	10	TRN	197
ABO 1954															
-----															
CARLINVILLE B, MACOUPIN, 9N, 7W															
PENNSYLVANIAN	539	1958	10	0,0	0,0	1	0	0	0	26	S	X		PEN	102
ABO 1964															
-----															
*CARLYLE, CLINTON, 2N, 3W															
GOLCONDA, MIS	900	1911	1310	21,1	4166,9	199	2	0	30				A	STP	412
CARLYLE(CYP), MIS	1035	1911	1300			158	2	0		35	0,26	L	10	AC	
ABO 1949, REV 1952															
-----															
CARLYLE E, CLINTON, 2N, 2W															
BENOIST, MIS	1197	1963	10	0,0	0,0	1	0	0	0	34	S	4		MIS	124
ABO 1972															
-----															
*CARLYLE N, CLINTON, 3N, 3W															
BENOIST, MIS	1150	1950	530	14,9	904,3	45	0	2	31	34	S	6	AL	OEV	255
-----															
CARLYLE S, CLINTON, 1N, 3W															
CYPRESS, MIS	1075	1951	20	0,0	2,0	2	0	0	0	35	S	4		MIS	119
ABO 1953															
-----															
*CARMi, WHITE, 5S, 9E															
PENNSYLVANIAN	1210	1940	250	2,5	395,1	21	0	0	3				M	MIS	354
CYPRESS, MIS	2800		10			1	0	0		32	S	10	ML		
AUX VASES, MIS	3145		100			3	0	0		38	S	15	ML		
MCCLOSKEY, MIS	3150	1940	50			5	0	0		37	S	8	ML		
ABO 1949, REV 1952															
-----															
CARMi N, WHITE, 5S, 9E															
CYPRESS, MIS	2940	1942	30	2,1	292,8	6	0	0	3				A	MIS	345
SAMPLE, MIS	3080	1954	20			1	0	0		38	S	13	AF		
AUX VASES, MIS	3270	1942	10			1	0	0		37	S	12	AF		
ABO 1949, REV 1952															
-----															
*CASEY, CLARK, 10-11N, 14W															
UPPER GAS, PEN	265	1906	3030	X	X	511	0	0	224				AM	TRN	260
LOWER GAS, PEN	300		2720			43	0	0		32	S	X	AM		
CASEY, PEN	445		#			36	0	0		30	S	X	AM		
CARPER, MIS	1300		#			372	0	0		35	S	10	AM		
SEE CLARK COUNTY DIV FOR PRODUCTION															
-----															
*CENTERVILLE, WHITE, 4S, 9E															
AUX VASES, MIS	3240	1940	190	0,5	531,6	13	0	0	0	37	S	6	N	MIS	391
OMARA, MIS	3310	1953	10			1	0	0		38	L	10	NC		
SPAR MTN, MIS	3370		190			6	0	0			L	9	NC		
MCCLOSKEY, MIS	3370	1940	#			2	0	0		37	0,17	OL	4	NC	
ABO 1972															
-----															
*CENTERVILLE E, WHITE, 3-4S, 9-10E															
PALESTINE, MIS	2225	1941	1270	52,5	8412,7	136	0	0	60				A	MIS	342
TAR SPRINGS, MIS	2900	1950	20			2	0	0		35	S	3	ALF		
MARIONSBURG, MIS	8615	1950	520			35	0	0		38	0,20	S	24	ALF	
CYPRESS, MIS	2915	1941	40			1	0	0		36	S	22	ALF		
BETMEL, MIS	2990	1942	640			47	0	0		37	S	6	ALF		
AUX VASES, MIS	3075		220			20	0	0		38	S	20	ALF		
OMARA, MIS	3175		530			38	0	0		37	S	21	ALF		
SPAR MTN, MIS	3188		320			4	0	0		36	OL	5	ACF		
MCCLOSKEY, MIS	3230		#			1	0	0			LS	6	ACF		
ABO 1949, REV 1952															



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery Depth (ft)	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. API	Pay zone	Deepest test Zone	Depth (ft)		
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-duc-ing end of year					Sul-fur (%)	Kind of rock, avg. thickness in feet, structure
(CONTINUED FROM PREVIOUS PAGE)															
CLIFFORD, WILLIAMSON, 8S, 1E															
-----															
MCCLOSKEY, MIS 2540 1957 # ABO 1965 1 0 0 38 L 5															
*COIL, WAYNE, 18, 5E															
-----															
AUX VASE8, MIS 1942 390 56.2 2897.2 26 0 0 15 39 0.12 S 10 A MIS 325															
MCCLOSKEY, MIS 2910 1942 310 21 0 0 0															
ST LOUIS, MIS 3065 1942 10 1 0 0 0 38 OL 15 AC															
2021 1967 100 6 0 0 0 L 9															
COIL N. WAYNE, 1N+1S, 5E															
-----															
AUX VASE8, MIS 2841 1958 60 2.1 221.5 6 0 0 3 39 S X MIS 307															
*COIL W, JEFFERSON, 1S, 4E															
-----															
AUX VASE8, MIS 1942 460 17.8 1161.2 40 0 1 12 39 S 15 A MIS 366															
OHARA, MIS 2720 1944 180 15 0 0 0 L 7 AL															
SPAR MTN, MIS 2790 1942 220 11 0 0 0 L X AC															
MCCLOSKEY, MIS 2805 # 2 0 0 0 L 8 AC															
ST LOUIS, MIS 2880 1942 # 13 0 0 0 38 L 7 AC															
SALEM, MIS 3040 1967 160 15 0 0 0 39 L 7															
3346 1961 50 3 0 1 37 L 10 A															
COLLINGSVILLE, MADISON, 3N, 8W															
-----															
SILURIAN 1305 1909 40 0.0 1.0 6 0 0 0 37 L 20 ML STP 217															
ABO 1921															
*COLMAR-PLYMOUTH, HANCOCK-MCDONOUGH, 4-5N, 4-5W															
-----															
MOING, DEV 450 1914 2520 34.0 4947.5 505 0 8 67 35 0.38 S 14 AL 8HK 109															
*CONCORD C, WHITE, 6S, 10E															
-----															
TAR SPRINGS, MIS 1942 1850 38.5 8161.4 168 1 0 51 36 8 11 A OEV 531															
HARDINSBURG, MIS 2270 1943 350 26 0 0 0 36 S 7 A															
CYPRESS, MIS 2510 1954 350 30 0 0 0 37 S 10 AL															
AUX VASE8, MIS 2625 1944 270 19 0 0 0 36 0.15 S 14 AL															
OHARA, MIS 2905 1942 670 49 0 0 0 36 L 8 AC															
SPAR MTN, MIS 2930 1943 1080 2 0 0 0 L 8 AC															
MCCLOSKEY, MIS 3035 # 3 0 0 0 L 8 AC															
ST LOUIS, MIS 2990 # 56 0 1 37 L 10 AC															
ULLIN, MIS 3370 1976 20 2 2 0 0 L 7															
3900 1975 20 2 1 0 0 L															
CONCORD E C, WHITE, 6-7S, 10E															
-----															
WALTERSBURG, MIS 1942 420 5.6 886.1 39 0 1 14 33 8 10 A MIS 312															
TAR SPRINGS, MIS 2140 40 4 0 0 0 36 S 4 A															
CYPRESS, MIS 2175 70 5 0 1 36 S 6 A															
RENAULT, MIS 2540 190 18 0 0 0 37 S 6 A															
AUX VASE8, MIS 2800 20 2 0 0 0 36 L 6 A															
OHARA, MIS 2825 70 7 0 0 0 36 S 12 A															
SPAR MTN, MIS 2895 120 3 0 0 0 L 6 AC															
MCCLOSKEY, MIS 2895 # 5 0 0 0 S 5 AC															
2965 # 3 0 0 0 37 L 2 AC															
*COOKS MILLS C +, COLE8, DOUGLAS, 13-14N, 7-8E															
-----															
CYPRESS, MIS 1941 3100 11.0 3051.8 248 0 8 55 39 S 20 A DEV 305															
AUX VASE8, MIS 1600 1955 10 1 0 0 0 37 S 15 A															
SPAR MTN, MIS 1765 1941 10 2 0 0 0 37 S 9 A															
MCCLOSKEY, MIS 1800 1946 3040 240 0 8 37 L 4 A															
CARPER, MIS 1840 1955 # 1 0 0 0 S 5															
DEVONIAN 2700 1963 20 1 0 0 0 38 S 4															
2867 1963 40 4 0 0 0 37 L 3															
*CORDE8, WASHINGTON, 3S, 3W															
-----															
8ENOIST, MIS 1260 1939 1630 63.8 10131.8 155 0 4 37 36 0.19 S 14 A TRN 388															
CORINTH, WILLIAMSON, 8S, 4E															
-----															
AUX VASE8, MIS 1957 300 15.4 450.6 19 0 0 18 38 8 10 MIS 355															
OHARA, MIS 2885 1957 290 18 0 0 0 38 L X															
SPAR MTN, MIS 2929 40 1 0 0 0 38 L 10															
2985 1957 # 2 0 0 0 38 L 10															
CORINTH E. WILLIAMSON, 8S, 4E															
-----															
(CONTINUED ON NEXT PAGE)															

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. fur %API	Pay zone	Deepest test Zone	Depth (ft)			
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-duc-ing end of year							
														Kind of rock, avg. thickness in feet, structure		
(CONTINUED FROM PREVIOUS PAGE)																
CORINTH E, WILLIAMSON, 8S, 4E ----- MCCLOSKEY, MIS		3035 1957	10 ABO 1960	0,0	10,6	1	0	0	0	38	L	10	MIS	311		
CORINTH N, WILLIAMSON, 8S, 4E ----- AUX VASES, MIS		2935 1957	10 ABD 1960	0,0	3,7	1	0	0	0	36	S	16	MIS	318		
CORINTH S, WILLIAMSON, 9S, 4E ----- CYPRESS, MIS		2350 1972	10 ABO 1975	1,2	6,6	1	0	0	0		S	8	MIS	282		
COTTAGE GROVE, SALINE, 9S, 7E ----- OMARA, MIS		2770 1955	10 ABO 1963	0,0	12,9	1	0	0	0	38	L	X	MIS	297		
COULTERVILLE N, WASHINGTON, 3S, 5W ----- SILURIAN		2290 1958	50	0,5	35,3	5	0	0	3	42	L		ORO	320		
COVINGTON S, WAYNE, 2S, 6E ----- MCCLOSKEY, MIS ST. LOUIS, MIS ULLIN, MIS		3310 1943 3361 1962 4148 1960	510 420 10 80	8,6	468,9	18 12 1 5	0 0 0 0	0 0 0 0	2 36 36 36	0,18	L L L	5 4 12	AC AC AC	OEV	530	
CRAIG, PERRY, 4S, 4W ----- TRENTON, ORO		3650 1948	10 ABO 1951, REV 1965, ABO 1967	0,0	2,9	2	0	0	0	35	L	20	A	ORO	375	
CRAVAT, JEFFERSON, 1S, 1E ----- BENDIST, MIS		2070 1939	120	0,9	382,1	11	0	0	6	34	0,23	S	10	A	OEV	385
CRAVAT W, JEFFERSON, 1S, 1E ----- PENNSYLVANIAN BETHEL, MIS		1045 1956 2070 1960	140 130 10	1,6 1,6 0,0	133,4 133,4 0,0	15 14 1	0 0 0	0 0 0	14 32		S S	10 10		MIS	238	
CROSSVILLE, WHITE, 4S, 10E ----- BETHEL, MIS AUX VASES, MIS OMARA, MIS MCCLOSKEY, MIS		2880 1946 3030 1948 3100 1956 3120 1946	110 40 30 80 #	0,0	16,0	11 3 3 4 7	0 0 0 0 0	0 0 0 0 0	0 38 37 38		S S L	9 20 3 5	M ML ML MC MC	MIS	328	
CROSSVILLE W, WHITE, 4S, 10E ----- CYPRESS, MIS AUX VASES, MIS OMARA, MIS SPAR MTN, MIS MCCLOSKEY, MIS		2810 1952 3030 1973 3110 1952 3150 1958 3180 1956	240 10 130 150 # #	0,9	375,5	17 1 9 1 3 7	0 0 0 0 0 0	0 0 0 0 0 0	2 37 37 38		S S L L	18 8 X X X	M ML M M MC	MIS	329	
DAHLGREN, HAMILTON, 3S, 5E ----- MCCLOSKEY, MIS ULLIN, MIS		3300 1941 4110 1956	620 620 10	0,7	1212,6	45 44 1	0 0 0	0 0 0	2 37 39	0,16	L	11 15	A A	OEV	529	
DAHLGREN W, JEFFERSON, 4S, 4E ----- ULLIN, MIS		4019 1960	20 ABO 1966	0,0	30,5	2	0	0	0	38	L	6	OEV	524		
DALE C, FRANKLIN, HAMILTON, SALINE, 5-7S, 4-7E ----- TAR SPRINGS, MIS HARDINBURG, MIS CYPRESS, MIS BETHEL, MIS AUX VASES, MIS OMARA, MIS SPAR MTN, MIS MCCLOSKEY, MIS		18460 1940 2430 1943 2480 1940 2700 1940 2975 1945 3150 1945 3110 1940 3130 1940 3150 1940	18460 480 120 1560 3460 16590 3770 # #	339,2	99220,1	1616 41 12 125 285 1309 108 14 146	2 0 0 0 0 2 0 0 0	25 0 0 1 8 20 3 0 3	423 36 38 39 38 37 38 38 36		S S S S S S L	8 8 8 8 0,19 0,15 0,22 0,19	25 10 15 18 20 10 7 7	A A A A A A A A	PC	1305

(CONTINUED ON NEXT PAGE)

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery (ft)	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. fur API (%)	Pay zone	Deepest test Zone	Depth (ft)	
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-ducting end of year					Kind of rock, avg. thickness in feet, structure
(CONTINUED FROM PREVIOUS PAGE)														
*DALE C, FRANKLIN, HAMILTON, SALINE, S-7S, 4-7E	ST, LOUIS, MIS	3163 1965	60			6	0	0		39	L	X		
DAWSON, SANGAMON, 16N, 3W	SILURIAN	1636 1971	10	0,0	0,0	1	0	0	0		L	10	SIL 170	
			ABO 1972											
DECATUR, MACON, 16-17N, 2E	SILURIAN	2000 1953	110	0,0	15,0	6	0	0	0	37	L	7 MU	ORO 280	
			ABO 1959											
DECATUR N, MACON, 17N, 3E	SILURIAN	2200 1954	10	0,0	0,1	1	0	0	0	38	L	10 MU	SIL 224	
			ASO 1955											
*DEERING CITY, FRANKLIN, 7S, 3E	AUX VASES, MIS	2810 1957	110	1,5	319,7	8	0	0	6	38	S	20	MIS 314	
	MCCLOSKEY, MIS	2913 1963	30			2	0	0		34	OL	4		
DEERING CITY E, FRANKLIN, 7S, 3E	MCCLOSKEY, MIS	2965 1974	10	1,9	4,6	1	0	0	1		L	7	MIS 311	
*DIVIOE C, JEFFERSON, 1S, 3-4E	AUX VASES, MIS	2620 1947	3820	147,3	10963,9	261	2	7	129	38	S	10 AL	OEV 470	
	OHARA, MIS	2700 1944	170			10	0	0			S	10 AC		
	SPAR MTN, MIS	2700 1945	2570			8	0	0			L	10 AC		
	MCCLOSKEY, MIS	2750 1943	#			20	0	1	38	0,21	L	6 AC		
	ST, LOUIS, MIS	2840 1955	#			157	1	3	37		L	6 AC		
	SALEM, MIS	3190 1960	260			27	0	3	37		L	7 AC		
			1240			83	2	3	37		L	10 AC		
DIVIOE S, JEFFERSON, 2S, 3-4E	MCCLOSKEY, MIS	2990 1948	300	0,0	497,2	16	0	0	1	37	L	5	MIS 357	
DIX S, JEFFERSON, 1S, 2E	BENOIST, MIS	1950 1941	20	0,0	13,4	2	0	0	0	35	S	8 N	MIS 228	
			ABO 1946											
*DOLLVILLE, SHELBY, 12N, 2E	BETHEL, MIS	1509 1961	100	0,3	34,7	6	0	0	4	37	S	4	MIS 160	
DUBOIS CEN, WASHINGTON, 3S, 1W	BENOIST, MIS	1335 1955	130	5,6	234,4	12	0	0	3	30	S	12	OEV 310	
	SPAR MTN, MIS	1530 1954	110			12	0	0		35	L	8		
			70			3	0	0						
*DUBOIS C, WASHINGTON, 3S, 1-2W	CYPRESS, MIS	1230 1947	1490	54,9	2209,0	123	1	0	96	37	S	10 AL	ORO 421	
	BENOIST, MIS	1325 1939	1090			55	1	0		30	S	10 AL		
			460			40	0	0		30	S	10 AL		
*DUDLEY, EOGAR, 13-14N, 13W	UPPER DUDLEY, PEN	310 1948	800	98,0	2164,4	117	3	0	102	25	S	20 ML	STP 299	
	LOWER DUDLEY, PEN	410	300			24	0	0		24	S	50 ML		
			#			93	3	0						
DUDLEYVILLE E, SONO, 4-5N, 2-3W	DEVONIAN	2370 1954	20	0,0	2,8	2	0	0	0	37	L	5	ORO 339	
			ABO 1961											
DUPO, ST, CLAIR, 1N, 1S, 10W	TRENTON, ORO	700 1928	380	17,9	2946,7	321	0	0	26	33	L	50 A	CAM 311	
EBERLE, EFFINGHAM, 6N, 6E	CYPRESS, MIS	2475 1947	190	6,5	124,1	13	2	0	4	37	S	10 NL	MIS 258	
			100			7	2	0						

(CONTINUED ON NEXT PAGE)



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test				
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-ple-ted in 1976	Aban-doned 1976	Pro-duc-ing end of year				Gr. fur %API	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
(CONTINUED FROM PREVIOUS PAGE)																
<b>EBERLE, EFFINGHAM, 6N, 6E</b>																
SPAR MTN, MIS		2680	110			2	0	0			L8	5 NC				
MCCLOSKEY, MIS		2820	#			4	0	0	38		L	7 N				
ABO 1967, REV 1973																
<b>EDINBURG, CHRISTIAN, 14N, 3W</b>																
LINGLE, DEV		1810	10	0.0	2.3	1	0	0	0	38	L	2 A DEV 185				
ABO 1951																
<b>EDINBURG S, CHRISTIAN, 14N, 3W</b>																
HIBBARD, DEV		1795	20	0.0	4.4	2	0	0	0	39	L3	13 SIL 190				
ABO 1963																
<b>*EDINBURG W, CHRISTIAN, SANGAMON, 14N, 3-4W</b>																
DEVONIAN		1660	1760	40.8	2933.6	128	1	0	68		S	A ORO 228				
SILURIAN		1690	60			7	0	0	41		S	6 A				
		1690	1730			123	1	0	41		L	8 A				
<b>ELBA, GALLATIN, 8S, 8E</b>																
CYPRESS, MIS		2617	210	0.0	25.0	13	0	0	0			MIS 299				
BETMEL, MIS		2660	10			1	0	0	37		S					
RENAULT, MIS		2770	80			3	0	0	36		S	10				
AUX VASES, MIS		2780	10			1	0	0	36		L	3				
OMARA, MIS		2820	120			5	0	0	38		S	5				
			40			3	0	0	38		L	11				
ABO 1960																
<b>*ELBRIDGE, EDGAR, 12-13N, 11W</b>																
PENNSYLVANIAN		760	440	5.4	1508.5	40	0	0	19			0 TRN 330				
FREDONIA, MIS		950	10			2	0	0	30		S	3 0				
DEVONIAN		1950	430			37	0	0	35		L	3 0				
			20			2	0	0	37		L	20 0				
<b>*ELDORADO C +, SALINE, 8S, 6-7E</b>																
OEGONIA, MIS		1700	3560	102.9	11746.7	297	2	0	97		S	A MIS 360				
PALESTINE, MIS		1920	20			2	2	0			S	16				
WALTERSBURG, MIS		2125	430			28	0	0	36		S	20 AL				
TAR SPRINGS, MIS		2200	1930			144	0	0	38		S	25 AL				
HARDINSBURG, MIS		2350	270			19	0	0	37		S	15 AL				
CYPRESS, MIS		2575	300			30	0	0	38		S	8 AL				
SAMPLE, MIS		2680	270			19	0	0	37		S	8 AL				
BENOIST, MIS		2778	70			6	0	0	37		S	18 AL				
AUX VASES, MIS		2900	910			1	0	0	37		S	10				
OMARA, MIS		2900	90			66	0	0	37		S	12 AL				
SPAR MTN, MIS		2900	90			3	0	0			L	5 AC				
MCCLOSKEY, MIS		2975	#			2	0	0			L8	4 AC				
			#			2	0	0	39	0.14	L	5 AC				
<b>*ELDORADO E +, SALINE, 8S, 7E</b>																
PALESTINE, MIS		1915	440	4.6	422.4	31	1	0	8			A MIS 366				
TAR SPRINGS, MIS		2190	30			2	0	0	36		S	10 AL				
CYPRESS, MIS		2515	40			3	0	0	35		S	10 AL				
AUX VASES, MIS		2885	90			6	1	0	37		S	20 AL				
SPAR MTN, MIS		2975	340			20	0	0	38		S	6 AL				
			10			1	0	0	38		L	4 AC				
<b>ELDORADO W +, SALINE, 8S, 6E</b>																
PALESTINE, MIS		1940	50	0.0	46.0	6	0	0	1		S	18 MIS 313				
RENAULT, MIS		2910	40			3	0	0	30		L	6				
AUX VASES, MIS		2960	20			2	0	0	37		L	6				
			20			2	0	0	38		L	6				
<b>ELK PRAIRIE, JEFFERSON, 48, 2E</b>																
MCCLOSKEY, MIS		2735	20	0.0	41.1	2	0	0	0		L	7 MIS 347				
SALEM, MIS		3076	20			2	0	0	37		L	8				
			10			1	0	0	37		L	8				
ABO 1940, REV 1960, ABO 1970																
<b>ELKTON, WASHINGTON, 2S, 4W</b>																
BAILEY, DEV		2340	40	0.0	2.6	2	0	0	0	40	L	30 DEV 248				
ABO 1960																
<b>ELKTON N, WASHINGTON, 2S, 4W</b>																
HARDIN, DEV		2320	160	5.8	63.5	9	1	0	9		S	7 ORO 327				

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test				
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-ducting end of year							
	Depth (ft)									Gr. API	Sul-fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)		
<b>ELKVILLE, JACKSON, 79, 1W</b>																
-----																
BENOIS7, MIS		2000 1941	10	0,0	4,0	1	0	0	1	36	0,22	S	10	81L	391	
<b>*ELLERY E, EDWARDS, 28, 10E</b>																
-----																
AUX VASES, MIS		3180 1952	370	4,8	974,5	30	0	0	3					M	MIS	382
OHARA, MIS		3255 1953	240			18	0	0		36	8	S	35	ML		
SPAR M7N, MIS		3255 1952	190			11	0	0		37	L	6	MC			
			#			3	0	0			L	4	MC			
<b>ELLERY N, EDWARDS, WAYNE, 28, 9-10E</b>																
-----																
BETHEL, MIS		3100 1942	110	3,4	62,4	9	0	0	3					M	MIS	349
AUX VASES, MIS		3230 1954	20			2	0	0			S	35	ML			
OHARA, MIS		3300 1954	10			1	0	0			S	12	ML			
SPAR MTN, MIS		3345 1972	90			2	0	0			L	4				
MCCLOSKEY, MIS		3420 1942	#			4	0	0			S	8	ML			
ST LOUIS, MIS		3438 1942	10			2	0	0		37	0,19	L	7	MC		
			10			1	0	0			L	6				
ABO 1943, REV AND ABO 1951, REV 1954																
<b>ELLERY S, EDWARDS, 2-38, 10E</b>																
-----																
AUX VASES, MIS		3200 1943	90	0,0	173,0	9	0	0	0					M	MIS	343
MCCLOSKEY, MIS		3300 1947	30		33,0	5	0	0		36	8	S	15	ML		
			60		138,0	4	0	0		38	L	9	MC			
ABO 1952, REV 1953, ABO 1959, REV AND ABO 1960																
<b>ELLIOTTSTOWN, EFFINGHAM, 7N, 7E</b>																
-----																
SPAR MTN, MIS		2730 1947	10	0,0	13,7	1	0	0	0	39	S	8	ML	MIS	288	
ABO 1951																
<b>ELLIOTTSTOWN E, EFFINGHAM, 7N, 7E</b>																
-----																
CYPRESS, MIS		2485 1954	90	3,2	122,2	7	0	0	1					M	MIS	329
SPAR MTN, MIS		2750 1954	10			1	0	0		35	S	5	ML			
MCCLOSKEY, MIS		2771 1962	80			3	0	0		37	L	10				
			#			3	0	0			L	8				
ABO 1956, REV 1962																
<b>*ELLIOTTSTOWN N, EFFINGHAM, 7N, 7E</b>																
-----																
CYPRESS, MIS		2430 1953	310	3,6	266,0	19	0	0	6					M	MIS	310
AUX VASES, MIS		2710 1953	20			2	0	0		36	8	S	4	ML		
SPAR M7N, MIS		2666 1964	10			1	0	0		37	S	2				
MCCLOSKEY, MIS		2738 1964	270			2	0	0			L	3				
			#			14	0	0		37	OL	17				
ABO 1958, REV 1964																
<b>*ENERGY, WILLIAMSON, 9S, 2E</b>																
-----																
AUX VASES, MIS		2354 1968	110	9,6	163,8	9	0	0	9					M	MIS	269
<b>*ENFIELD, WHITE, 5S, 8E</b>																
-----																
AUX VASES, MIS		3250 1950	470	55,8	1084,4	29	7	1	11					A	MIS	425
OHARA, MIS		3310 1950	310			20	7	1		39	S	10	AL			
MCCLOSKEY, MIS		3385 1950	160			4	0	0		37	L	4	AC			
			#			5	0	0			L	8	AC			
ABO 1951, REV 1952																
<b>ENFIELD N, WHITE, 5S, 8E</b>																
-----																
AUX VASES, MIS		3320 1976	70	27,6	27,6	5	5	0	5					M	MIS	349
OHARA, MIS		3400 1976	60			4	4	0			S	12				
			10			1	1	0			L	6				
<b>ENFIELD S, WHITE, 6S, 8E</b>																
-----																
AUX VASES, MIS		3174 1961	30	0,0	0,0	2	0	0	0					M	MIS	331
MCCLOSKEY, MIS		3277 1961	10			1	0	0		39	S	2				
			30			2	0	0		38	L	6				
ABO 1963																
<b>EVERS, EFFINGHAM, 8N, 7E</b>																
-----																
SPAR M7N, MIS		2610 1948	80	4,0	124,0	6	0	1	2					A	ORD	537
MCCLOSKEY, MIS		2660 1948	70			3	0	0		39	L	7	AL			
SALEM, MIS		3126 1975	#			2	0	0			L	4	AC			
			10			1	0	1			L	4				
ABO 1949, REV 1953																
<b>EVERS S, EFFINGHAM, 7N, 7E</b>																
-----																
SPAR M7N, MIS		2650 1948	10	0,0	2,4	1	0	0	0	38	LS	8	AC	MIS	278	
ABO 1951																

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery Depth (ft)	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. fur %API (%)	Pay zone Kind of rock, avg. thickness in feet, structure	Deepest test Zone	Depth (ft)	
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year					
<b>EWING, FRANKLIN, 5S, 3E</b>														
AUX VASES, MIS		1944	200	6.5	520.9	10	2	0	2		A	MIS	387	
MCCLOSKEY, MIS		1947	40			3	2	0		38	S	8 AL		
		1944	160			7	0	0		36	L	7 A		
ABO 1971, REV 1976														
<b>EWING E, FRANKLIN, 5S, 3E</b>														
OMARA, MIS		1956	30	5.1	5.1	3	2	0	2		L	10	ORO	951
ST LOUIS, MIS		1956	10			1	0	0		38	L	8		
ULLIN, MIS		1976	10			1	1	0			L	8		
		1976	20			2	2	0			L	6		
ABO 1965, REV 1976														
<b>EXCHANGE, MARION, 1N, 3E</b>														
OMARA, MIS		1943	40	0.9	69.2	3	0	0	1		L	10 MC	SIL	490
MCCLOSKEY, MIS		1943	30			1	0	0		37	L	8 MC		
SALEM, MIS		1975	#			2	0	0		37	L	8 MC		
		1975	10			1	0	0			L	15		
ABO 1967, REV 1975														
<b>*EXCHANGE E, MARION, 1N, 4E</b>														
OMARA, MIS		1955	230	5.2	533.7	16	0	1	2		L	14	MIS	300
SPAR MTN, MIS		1955	220			1	0	0			L	11		
MCCLOSKEY, MIS		1955	#			7	0	1		37	S	4		
ST. LOUIS, MIS		1955	10			6	0	0		38	L	8		
		1955	#			1	0	0			L	8		
<b>*EXCHANGE N C, MARION, 1N, 3-4E</b>														
SPAR MTN, MIS		1951	230	17.5	780.5	24	0	1	15		L	3 MC	MIS	339
MCCLOSKEY, MIS		1967	200			1	0	0			L	6 MC		
ST LOUIS, MIS		1951	#			21	0	1		37	L	6 MC		
SALEM		1972	20			1	0	0			L	6		
		1967	30			2	0	0		37	L	11 MC		
ABO 1952, REV 1955, ABO 1959, REV 1965														
<b>*EXCHANGE W, MARION, 1N, 3E</b>														
OMARA, MIS		1957	310	13.0	238.6	25	0	0	7		L	7	MIS	300
SPAR MTN, MIS		1966	230			1	0	0			L	6		
MCCLOSKEY, MIS		1966	#			10	0	0		37	L	6		
ST LOUIS, MIS		1957	#			11	0	0		38	L	11		
		1967	130			8	0	0			L	11		
<b>*FAIRMAN, MARION, CLINTON, 3N, 1E, 1W</b>														
BENOIST, MIS		1939	610	10.6	2086.5	60	2	0	17		S	10 A	ORO	410
TRENTON, ORO		1939	480			44	0	0		38	L	20 A		
		1957	260			17	3	0		40	L	20 A		
<b>FANCHER, SHELBY, 10N, 4E</b>														
BENOIST, MIS		1962	10	0.0	0.0	1	0	0	0	34	S	3	MIS	188
ABO 1962														
<b>FEHRER LAKE, GALLATIN, 9S, 10E</b>														
AUX VASES, MIS		1963	10	0.0	4.7	1	0	0	0	36	L	8	MIS	279
ABO 1966														
<b>FERRIN, CLINTON, 2N, 1W</b>														
DEVONIAN		1976	10	0.0	0.0	1	1	0	1		L	7	ORO	345
TRENTON, ORO		1976	10			1	1	0			L	18		
		1976	10			1	1	0			L	18		
<b>FICKLIN, DOUGLAS, 16N, 8E</b>														
SPAR MTN, MIS		1969	70	2.5	25.9	5	0	0	5		S	8	CAM	530
<b>FITZGERRELL, JEFFERSON, 4S, 1E</b>														
BENOIST, MIS		1944	10	0.0	16.0	1	0	0	0		S	5	MIS	301
AUX VASES, MIS		1944	10			1	0	0		37	S	5		
		1944	10			1	0	0		37	S	5		
ABO 1952														
<b>*FLORA 3, CLAY, 2N, 6E</b>														
MCCLOSKEY, MIS		1946	60	0.0	168.0	4	0	0	0	39	L	AC	OEV	477
ABO 1961														

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Deepest test			
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API (%)	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
<b>FLORA 8E, CLAY, 2N, 6E</b>															
MCCLOSKEY, MIS		3073 1972	100	10,0	25,0	8	1	0	8		L	5	MIS	370	
<b>FORSYTH, MACON, 17N, 2E</b>															
SILURIAN		2118 1963	140	4,2	31,8	10	1	0	5	38	L	14	SIL	222	
<b>FRANCIS MILLS, SALINE, 7S, 7E</b>															
CYPRESS, MIS		2675 1952	10	0,3	97,0	1	0	0	1	36	8	5	MIS	323	
<b>FRANCIS MILLS S, SALINE, 7S 7E</b>															
OHARA, MIS		1955 3010 1955	20 20	0,0	5,6 5,6	2 2	0 0	0 0	0		L	11	MIS	318	
SPAR MTN, MIS		3042 1962	#			1	0	0		37	L	6			
ABO 1957, REV AND ABO 1962															
<b>FREEBURG +, ST. CLAIR, 1-2S, 7W (NOW FREEBURG GAS STORAGE PROJECT)</b>															
CYPRESS, MIS		380 1955	20	0,0	X	2	0	0	0	30	8	30	ORO	200	
<b>FREEMANSPUR, WILLIAMSON, 8S, 2E</b>															
AUX VASES, MIS		2500 1968	60	1,2	2,8	3	0	0	1		8	13	MIS	277	
ABO 1971, REV 1975															
<b>FRIENOSVILLE CEN, WABASH, 1N, 13W</b>															
BETHEL, MIS		1946 2330 1946	170 50	5,3	134,0	12 5	0 0	0 0	6	35	S	15	MC	MIS	278
OHARA, MIS		2597 1972	120			4	0	0			L	8			
SPAR MTN, MIS		2629 1972	#			3	0	0			S	4			
ABO 1956, REV 1972															
<b>*FRIENOSVILLE N, WABASH, 1N, 12-13W</b>															
BIEHL, PEN		1946 1620 1946	220 220	1,2	272,3	20 19	0 0	0 0	2	34	8	12	MC	MIS	267
BETHEL, MIS		2308 1959	10			1	0	0		35	S	11	M		
<b>FROGTOWN, CLINTON, 2N, 3-4W</b>															
CARLYLE (CYP), MIS		950 1918	90	0,0	X	14	0	0	0	32	S		HL	TRN	329
ABO 1933, REV 1949, ABO 1956															
<b>*FROGTOWN N, CLINTON, 2-3N, 3-4W</b>															
ST. LOUIS, MIS		1951 1200 1951	440 60	12,8	2099,1	35 5	1 0	0 0	21			0	SIL	245	
DEV-SIL		2250 1951	380			30	1	0		35	L	10	0		
ABO 1951, REV 1951															
<b>*GAROS POINT C, WABASH, 1N, 14W</b>															
OHARA, MIS		1951 2870 1951	680 670	24,5	1006,0	39 37	2 1	0 0	25	40	L	6	MC	MIS	390
MCCLOSKEY, MIS		2905 1976	#			1	1	0			OL	4			
ULLIN, MIS		3698 1975	10			1	0	0			L	8			
<b>GAYS, MOULTRIE, 12N, 6E</b>															
AUX VASES, MIS		1946 1970	90 80	2,2	101,1	6 5	0 0	0 0	1		8	5	M	DEV	330
CARPER, MIS		2963 1963	10			1	0	0		37	S	16	HL		
DEVONIAN		3205 1955	10			1	0	0		38	L	3	MC		
ABO 1950, REV 1955															
<b>*GERMANTOWN E, CLINTON, 1-2N, 4W</b>															
SILURIAN		2350 1956	380	13,6	1952,5	27	0	1	24	40	L	30	R	TRN	331
<b>*GILA, JASPER, 7-8N, 9E</b>															
MCCLOSKEY, MIS		2850 1957	490	1,1	1046,5	34	1	2	4	39	OL	3	MC	MIS	297
<b>GILLESPIE-WYEN, MACOUPIN, 8N, 6W</b>															
UNNAMED, PEN		650 1915	70	1,2	X	23	0	0	2	28	8	X	T	ORO	256
<b>GLENARM, SANGAMON, 14N, 5W</b>															
(CONTINUED ON NEXT PAGE)															

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (H bbl)		Number of wells				Character of oil	Pay zone	Deepest test			
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of 1976						
	Name and age	Depth (ft)	Gr. fur %API (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)									
(CONTINUED FROM PREVIOUS PAGE)															
GLENARM, SANGAMON, 14N, 5W	SILURIAN	1680 1955	130	0,5	58,4	9	0	0	1	40	L	9	SIL	182	
				ABO 1957, REV 1959, ABO 1960, REV 1961											
*GOLOENGATE C, WAYNE, WHITE, EDWARDS, 2-4S, 9-10E		1939	7100	173,0	17521,7	507	10	7	181				A	OEV	552
CYPRESS, MIS		2942 1960	90			4	0	0	36	S	8	A	A		
BETHEL, MIS		3110 1951	350			22	1	0	37	S	11	HL			
AUX VASES, MIS		3180 1944	3510			188	6	2	40	0,14	S	15	AL		
OHARA, MIS		3250 1943	4400			50	0	1	39		OL	6	AC		
SPAR MTN, MIS		3275	#			73	3	1	38		LS	7	AC		
MCCLOSKEY, MIS		3310 1939	#			156	5	3	36	0,19	OL	7	AC		
ST. LOUIS, MIS		3430 1952	30			4	1	0	40		L	10	HL		
SALEM, MIS		4130 1975	70			4	2	0	7		L	30			
ULLIN, MIS		4125 1961	70			5	1	0	39		L	9	A		
OUTCM CREEK, OEV		5346 1961	350			16	0	0	39		S	10			
(CONTINUED FROM PREVIOUS PAGE)															
GOLOENGATE E, WAYNE, 3S, 9E		1951	20	1,8	18,3	2	1	0	2				MIS	342	
OHARA, MIS		3290 1951	10			1	0	0	37		L	3			
SPAR MTN, MIS		3340 1976	10			1	1	0			8	4			
				ABO 1957, REV 1968											
*GOLOENGATE N C, WAYNE, 1-2S, 8-9E		1945	740	32,9	590,6	50	1	0	34				M	MIS	351
BETHEL, MIS		3095 1952	10			2	0	0	38		S	3	HL		
AUX VASES, MIS		3235 1948	370			29	1	0	39		S	25	HL		
OHARA, MIS		3300 1945	480			7	1	0	37		L	4	MC		
SPAR MTN, MIS		3325 1945	#			15	1	0	37		L	5	MC		
MCCLOSKEY, MIS		3350	#			21	0	0	39		L	6	MC		
GRANVIEW +, EDGAR, 12-13N, 13W	PENNSYLVANIAN	560 1945	70	0,6	5,4	7	0	0	5	30	S	10	M	ORO	269
GRAYSON, SALINE, 8S, 7E		1957	30	0,0	22,9	3	0	0	0					MIS	304
CYPRESS, MIS		2515 1957	10			1	0	0	37		S	6			
AUX VASES, MIS		2913 1961	10			1	0	0	38		L	4			
MCCLOSKEY, MIS		2920 1957	20			1	0	0	37		L	6			
				ABO 1972											
GREENVILLE GAS +, BONO, 5N, 3W	LINGLE, OEV	2240 1957	10	0,0	0,0	1	0	0	0	38	L	5	A	TRN	318
				ABO 1958											
HAOLEY, RICHLAND, 4N, 14W	SPAR MTN, MIS	2970 1976	80	4,5	4,5	5	5	0	5		S	10		MIS	310
*HALF MOON, WAYNE, 18, 9E		1947	1240	23,9	3240,7	66	1	0	27				M	OEV	536
AUX VASES, MIS		3190 1951	20			1	0	0	38		S	18	HL		
OHARA, MIS		3280	1230			39	1	0	40		L	11	MC		
SPAR MTN, MIS		3280 1947	#			11	0	0			L	4	MC		
MCCLOSKEY, MIS		3300 1947	#			21	0	0	37		L	10	MC		
*HARCO +, SALINE, 8S, 5E		1954	1140	39,9	1801,1	94	2	0	43					MIS	342
HARCOINSBURG, MIS		2330 1956	30			1	0	0	36		S	6			
CYPRESS, MIS		2618 1959	50			4	1	0	38		S	8			
SAMPLE, MIS		2675 1954	30			4	0	0	39		S	8			
AUX VASES, MIS		2860 1955	990			75	1	0	41		S	15			
OHARA, MIS		2965 1956	220			6	0	0			L	10			
SPAR MTN, MIS		2970 1956	#			8	0	0	39		LS	10			
*HARCO E +, SALINE, 8S, 5E		1955	310	9,9	334,6	28	2	0	7					MIS	342
CYPRESS, MIS		2575 1955	100			10	1	0	38		S	20			
AUX VASES, MIS		2865 1956	220			13	0	0	38		S	8			
OHARA, MIS		2880 1955	40			4	1	0	39		L	14			
*HARRISBURG +, SALINE, 8S, 6E		1952	100	0,0	252,3	10	0	0	0					MIS	293
WALTERSBURG, MIS		2020 1955	90			9	0	0	38		S	14			

(CONTINUED ON NEXT PAGE)









TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test				
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-ple-ted in 1976	Aban-doned 1976	Pro-duc-ing end of year				Gr. fur %API (%)	Kind of rock, avg. thickness in feet, structure	Depth (ft)	
																Zone
(CONTINUED FROM PREVIOUS PAGE)																
*IOLA C, CLAY, EFFINGHAM, 5-6N, 5-6E																
BENOIST, MIS	2290		1260			87	0	0		36	0.14	S	12	A		
RENAULT, MIS	2320		10			1	0	0				L	X	AC		
AUX VASES, MIS	2325 1939		2420			195	0	0		36	0.25	S	10	A		
OHARA, MIS	2410 1963		1470			1	0	0				L	6	A		
SPAR MTN, MIS	2430		#			67	0	0		37		L	7	A		
MCCLOSKEY, MIS	2425 1940		#			53	0	0		38		OL	10	A		
IOLA S, CLAY, 4N, 5E																
		1947	340	41.3	410.2	26	2	0	11					A	SIL	507
BENOIST, MIS	2490 1948		170			11	0	0		36		S	10	AL		
SPAR MTN, MIS	2590		230			7	1	0				L	6	AC		
MCCLOSKEY, MIS	2650 1947		#			8	1	0		37		L	3	AC		
CARPER, MIS	3900 1967		10			1	0	0		38		S	7			
IOLA W, CLAY, 5N, 5E																
MCCLOSKEY, MIS	2495 1945		10	0.0	0.5	1	0	0	0	37		L	11	MC	MIS	261
*IRVINGTON, WASHINGTON, 13, 1W																
		1940	1410	99.7	9220.5	139	0	0	90					A	ORD	444
BEECH CREEK, MIS	1525 1951		10			1	0	0		38		L	3	AC		
CYPRESS, MIS	1380 1943		410			35	0	0		36		S	12	A		
BENOIST, MIS	1935 1940		1040			85	0	0		37	0.16	S	12	A		
CLEAR CREEK, OEV	3090		280			17	0	0		39	0.27	L	12	A		
TRENTON, ORD	4275 1956		110			6	0	0		39		L	90	A		
*IRVINGTON E, JEFFERSON, 13, 1E																
		1951	340	33.0	1047.3	27	0	0	25						MIS	222
PENNSYLVANIAN	1030 1951		40			5	0	0		32		S	15			
CYPRESS, MIS	1750 1955		120			7	0	0		37		S	15			
BENOIST, MIS	1950 1955		200			18	0	0		37		S				
IRVINGTON N, WASHINGTON, 1N, 13, 1W																
		1953	310	17.9	1371.6	28	0	0	26					A	ORD	433
CYPRESS, MIS	1340		60			5	0	0		37		S	16	AL		
BENOIST, MIS	1470 1953		250			22	0	0		39		S	6	AL		
IRVINGTON W, WASHINGTON, 13, 1W																
CYPRESS, MIS	1460 1963		50	0.3	10.3	3	0	0	2	36		S	20		MIS	190
*IUKA, MARION, 2N, 4E																
		1947	710	15.5	1066.6	46	0	0	18					M	OEV	437
AUX VASES, MIS	2528 1960		40			3	0	0		37		S	11	M		
OHARA, MIS	2650		580			7	0	0				L	5	MC		
SPAR MTN, MIS	2660		#			6	0	0				L	15	MC		
MCCLOSKEY, MIS	2750 1947		#			27	0	0		39		L	10	MC		
ST. LOUIS, MIS	2775 1952		200			8	0	0		37		L	5	MC		
IUKA S, MARION, 2N, 4E																
MCCLOSKEY, MIS	2680 1971		220	21.3	327.0	12	0	1	9			L	5		MIS	288
IUKA W, MARION, 2N, 3-4E																
MCCLOSKEY, MIS	2700 1955		60	3.6	58.5	5	0	0	3	37		L	5		MIS	330
JACKSONVILLE GAS +, MORGAN, 15N, 9W																
		1910	90	0.0	2.0	11	0	1	1						ORD	139
GAS, PEN, MIS	330 1910		80			9	0	0		37		LS	5	ML		
MCCLOSKEY, MIS	272 1972		10			1	0	0				L	29			
SALEM, MIS	294 1972		20			2	0	1				L	19			
A80 1937, REV 1967, A80 1969, REV 1972																
*JOHNSON N, CLARK, 9-10N, 14W																
		1907	2370	X	X	634	0	10	275						ORD	451
KICKAPOO, PEN	315		2360			34	0					S	X	AM		
CLAYPOOL, PEN	415		#			303	0					8	X	AM		
CASEY, PEN	465		#			196	0			32		S	X	AM		
UPPER PARTLOW, PEN	535		#			51	0					8	X	AM		
MCCLOSKEY, MIS	556		60			X	0			35		OL	6	AM		
CARPER, MIS	1325		290			11	0			37		8	X	AM		
DEVONIAN	1720 1973		10			1	0					L	45			
SEE CLARK COUNTY DIVISION FOR PRODUCTION																

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test		
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-ple-ted in 1976	Aban-doned 1976	Pro-duc-ing end of year				Gr. fur *API (%)	Kind of rock, avg. thickness in feet, structure
	Zone													
<b>*JOHNSON S, CLARK, 9N, 14W</b>														
		1907	2060	X	X	661	1	22	163					
CLAYPOOL, PEN		390	2050			39	0			S	X	AM		
CASEY, PEN		450	#			60	0			S	X	AM		
UPPER PARTLOW, PEN		490	#			433	1		30	S	48	AM		
LOWER PARTLOW, PEN		600	#			181	0		29	S	X	AM		
AUX VASES, MIS		717 1961	40			1	0		35	S	21	A		
CARPER, MIS		1740 1971	20			1	0			S	22			
SEE CLARK COUNTY DIVISION FOR PRODUCTION														
<b>*JOHNSONVILLE C, WAYNE, 1N, 1S, 6-7E</b>														
		1940	8950	366.1	52538.0	466	2	4	176					
BETHEL, MIS		2950	30			3	0	0		S	12	AL		
AUX VASES, MIS		3020	2870			158	0	1	38	0.14	S	20	AL	
OMARA, MIS		3120 1943	8170			30	0	0	38		OL	10	AC	
SPAR MTN, MIS		3150	#			9	0	0	38		OL	8	AC	
MCCLOSKEY, MIS		3170 1940	#			339	1	3	38	0.17	OL	15	AC	
ST. LOUIS, MIS		3256 1961	110			10	0	0	38		L	14	A	
SALEM, MIS		3852 1960	50			3	1	0	39		L		AC	
<b>JOHNSONVILLE N, WAYNE, 1N, 6E</b>														
		1943	150	0.0	91.8	8	0	0	0					
OMARA, MIS		3190 1943	150			1	0	0		38	0.17	OL	3	AC
SPAR MTN, MIS		3220	#			7	0	0			L	8	AC	
MCCLOSKEY, MIS		3250 1943	#			1	0	0	38	0.17	OL	3	AC	
A80 1966, REV 1968, AS0 1969														
<b>*JOHNSONVILLE S, WAYNE, 1S, 6E</b>														
		1942	770	147.9	958.3	60	24	0	26					
AUX VASES, MIS		3060 1942	340			27	0	0		38		A	MIS	
SPAR MTN, MIS		3160	250			3	2	0			L	15	A	
MCCLOSKEY, MIS		3200 1942	#			13	6	0	38		L	8	AC	
SALEM, MIS		3772 1975	270			18	17	0			L	30		
<b>*JOHNSONVILLE W, WAYNE, 1N, 1S, 5-6E</b>														
		1942	870	28.3	2253.6	69	1	0	21					
BETHEL, MIS		2925 1952	40			1	0	0		37		S	7	M
AUX VASES, MIS		2900 1943	440			37	1	0	37		S	6	ML	
OMARA, MIS		2930	390			5	0	0			L	6	MC	
SPAR MTN, MIS		3015	#			10	0	0			L	4	MC	
MCCLOSKEY, MIS		3100 1942	#			18	0	0	40		L	7	MC	
<b>*JOHNSTON CITY E, WILLIAMSON, 8S, 3E</b>														
		1959	290	71.2	898.5	20	1	1	14					
CYPRESS, MIS		2290 1959	130			9	0	0		37		S	20	MIS
BETHEL, MIS		2500 1975	10			1	0	1			S	5		
AUX VASES, MIS		2620 1962	260			12	0	0	36		S	10		
OMARA, MIS		2660 1975	20			1	0	1			L	5		
SPAR MTN, MIS		2660 1963	#			2	1	0			L	7		
MCCLOSKEY, MIS		2680 1963	#			1	0	0	38		OL	12		
<b>JOHNSTON CITY N E, WILLIAMSON, 8S, 3E</b>														
		1969	50	7.9	211.7	4	0	0	4					
AUX VASES, MIS		2818 1969	50							S	16		MIS	301
<b>*JUNCTION, GALLATIN, 9S, 9E</b>														
		1939	380	2.4	691.2	32	0	0	8					
PENNSYLVANIAN		1150 1947	30			4	0	0		35		S	7	M
WALTERSBURG, MIS		1750 1939	300			26	0	0	37		S	14	ML	
MARDINSBURG, MIS		2120 1949	30			1	0	0	34		S	5	ML	
CYPRESS, MIS		2275 1954	20			2	0	0	37		S	12	ML	
MCCLOSKEY, MIS		2730 1955	10			1	0	0	37		L	9	MC	
<b>*JUNCTION E, GALLATIN, 8-9S, 9E</b>														
		1953	150	5.7	116.5	9	0	0	8					
WALTERSBURG, MIS		2000 1953	140			8	0	0	37		S	14		
TAR SPRINGS, MIS		2119 1973	10			1	0	0			S	25		
<b>*JUNCTION N, GALLATIN, 8-9S, 9E</b>														
		1946	270	2.8	249.3	24	0	0	10					
PENNSYLVANIAN		1565 1947	100			10	0	0	36		S	16	M	
WALTERSBURG, MIS		1990 1973	80			5	0	0			S	20	ML	
CYPRESS, MIS		2450 1954	30			3	0	0	37		S	10	ML	
AUX VASES, MIS		2725 1946	40			3	0	0	36		S	4	ML	
SPAR MTN, MIS		2860 1955	40			3	0	0	37		L	6	MC	



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of dis-cov-ery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone	Deepest test
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-duc-ing end of year	Gr. fur °API (%)	Kind of rock, avg. thickness in feet, structure		
<b>*KENNER W, CLAY, 3N, 5E</b>													
		1947	410	3,5	2103,1	35	0	0	8				
CYPRESS, MIS		2600 1947	350			27	0	0	37	S	26	A	OEV 480
BENOIST, MIS		2705 1947	230			16	0	0	38	S	9	A	
RENAULT, MIS		2802 1960	10			1	0	0	37	S	10	A	
AUX VASES, MIS		2837 1960	110			9	0	0	38	S	24	A	
MCCLOSKEY, MIS		2870 1947	20			2	0	0	38	L	4	A	
<b>KEYESPORT, CLINTON, 3N, 2W</b>													
BENOIST, MIS		1180 1949	180	0,0	174,7	20	0	0	15 35	S	8	AL	MIS 135
<b>KINCAID C, CHRISTIAN, 13-14N, 3W</b>													
		1955	2620	90,0	5084,0	148	0	11	127			MU	SIL 197
CEDAR VALLEY, OEV		1800 1955	2620			147	0	11	38	DS	19	MU	
SILURIAN		1874 1959	10			1	0	0	38	D	7		
<b>*KING, JEFFERSON, 3-4S, 3E</b>													
		1942	1430	15,7	3706,4	112	0	0	32				OEV 477
RENAULT, MIS		2718 1959	10			1	0	0	39	S	X	A	
AUX VASES, MIS		2725 1942	1380			104	0	0	39 0,17	S	15	AL	
OMARA, MIS		2765 1942	320			11	0	0		L	10	AC	
SPAR MTN, MIS		2815	#			7	0	0	40 0,16	LS	10	AC	
MCCLOSKEY, MIS		2840 1942	#			4	0	0		L	5	AC	
<b>KINMUNOY, MARION, 4N, 2-3E</b>													
		1950	80	1,4	89,5	7	0	0	3				OEV 365
BENOIST, MIS		1915 1950	20			2	0	0	34	S	3	A	
SALEM, MIS		2430	10			1	0	0	36	L	7	A	
CARPER, MIS		3384 1962	50			4	0	0	37	S	17		
					ABO 1960, REV 1962								
<b>KINMUNOY N, MARION, 4N, 3E</b>													
BENOIST, MIS		2050 1953	10	0,0	2,9	2	0	0	0 34	S	6		MIS 230
					ABO 1954, REV 1951, ABO 1974								
<b>LACLEDE, FAYETTE, 5N, 4E</b>													
BENOIST, MIS		2335 1943	50	0,6	31,5	6	0	0	1 36 0,18	S	15	A	MIS 260
<b>LAKEWOOD, SHELBY, 10N, 2-3E</b>													
		1941	120	0,6	274,5	12	0	0	3				SIL 312
BENOIST, MIS		1690	70			7	0	0	30	S	7	AL	
AUX VASES, MIS		1720 1941	50			5	0	0	32 0,23	S	8	AL	
<b>*LANCASTER, WABASH, LAWRENCE, 1-2N, 13W</b>													
		1940	1970	61,5	5154,2	148	0	1	57				DEV 455
TAR SPRINGS, MIS		2050 1959	10			1	0	0	31	S	3	A	
BETMEL, MIS		2540	980			84	0	0	36	S	14	AL	
OMARA, MIS		2670 1944	1000			5	0	0		L	10	AC	
SPAR MTN, MIS		2649 1964	#			9	0	0		L	6		
MCCLOSKEY, MIS		2690 1940	#			51	0	1	40 0,28	L	7	AC	
<b>LANCASTER CEN, WABASH, 1N, 13W</b>													
		1946	240	0,0	376,5	16	0	1	0			M	MIS 360
OMARA, MIS		2750 1947	240			5	0	0		L	7	MC	
SPAR MTN, MIS		2810 1946	#			10	0	0	37	L	7	MC	
MCCLOSKEY, MIS		2815 1947	#			3	0	1		L	8	MC	
					ABO 1961, REV 1972, ABO 1976								
<b>LANCASTER E, WABASH, 2N, 13W</b>													
		1944	70	0,2	76,3	6	1	0	1			M	MIS 275
BRIEGEPOR, PEN		1310 1976	60			1	1	0		S	13		
BUCHANAN, PEN		1410 1976	#			1	1	0		S	5		
BIEM, PEN		1745 1944	#			4	0	0	31	S	10	ML	
SPAR MTN, MIS		2660 1947	10			1	0	0	39	L	6	MC	
					ABO 1975, REV 1976								
<b>*LANCASTER S, WABASH, 1N, 13W</b>													
		1946	310	17,2	445,5	22	0	0	17			M	MIS 348
BETMEL, MIS		2520 1949	270			18	0	0	36	S	6	ML	
OMARA, MIS		2670	70			3	0	0		L	6	MC	
MCCLOSKEY, MIS		2720 1946	#			1	0	0	39	L	12	MC	

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. API	Pay zone Kind of rock, avg. thickness in feet, structure	Deepest test	
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-ducting end of year			Zone	Depth (ft)
<b>LANGEWISCH-KUESTER, MARION, 1N, 1E</b>													
		1910	110	0,0	35,0	15	0	0	0		N	OEV	350
UNNAMED, PEN		795 1951	10			2	0	0	32	S	X	N	
CYPRESS, MIS		1600 1910	100			13	0	0	35	S	X	N	
<b>*LAWRENCE, LAWRENCE, CRAWFORD, 2-5N, 11-13W</b>													
		1906	36070	X	X	6956	42	55	2702		A	CAM	926
TRIVOLI, PEN		290 10920				19	0	0	28	S	X	A	
CUBA, PEN		450 #				4	0	0		S	X	A	
BRIDGEPORT, PEN		800 #				1361	4	9	36	S	40	A	
LPENNSYLVANIAN		950 #				23	0	0		S	15	A	
BUCHANAN, PEN		1250 #				559	7	0	33	S	15	A	
RIOGLEY		1300 #				X	0	0		S	X		
TAR SPRINGS, MIS		1410 70				8	4	0	34	S	10	A	
HARDINBURG, MIS		1570 110				12	0	0	33	S	10	A	
JACKSON, MIS		1370 1460				323	2	0	33	S	15	A	
CYP(KIRKWOOD), M		1400 22190				4514	9	26	40	S	30	A	
SAMPLE, MIS		1600 9800				179	0	0	35	S	8	A	
BETH(TRACEY), MIS		1650 #				1014	2	2	38	S	20	A	
BENOIST, MIS		1695 #				96	1	0	37	S	7	A	
AUX VASES, MIS		1775 760				57	5	1	38	S	8	A	
OHARA, MIS		1750 12200				15	0	0		L	8	A	
SPAR MTN, MIS		1860 #				70	3	0	33	LS	4	A	
MCCLOSKEY, MIS		1860 #				1146	5	18	40	L	10	A	
ST. LOUIS, MIS		1660 290				12	0	0	35	L	10	A	
SALEM, MIS		1955 110				6	2	0	36	L	2	A	
DEVONIAN		2934 1975	10			12	11	0	39	L	12		
SEE LAWRENCE COUNTY DIVISION FOR PRODUCTION													
<b>LAWRENCE COUNTY DIVISION, LAWRENCE, CRAWFORD</b>													
		1900	37020	3076,3	373915,4	7045	42	55	2738			CAM	926
TOTALS FOR LAWRENCE AND ST. FRANCISVILLE FIELDS													
<b>*LAWRENCE W, LAWRENCE, 3N, 13W</b>													
		1952	800	21,5	470,5	67	16	0	47			MIS	305
PAINT CREEK, MIS		1978 1962	700			8	0	0	35	S	13		
BETHEL, MIS		2050 1952	#			42	8	0	33	S	15		
AUX VASES, MIS		2110 1953	60			7	5	0	36	S	8		
OHARA, MIS		2214 1968	110			2	1	0		L	16		
SPAR MTN, MIS		2193 1963	#			4	2	0		L	2		
MCCLOSKEY, MIS		2225 1953	#			6	4	0	40	L	11		
<b>*LEXINGTON, WABASH, 1S, 14W</b>													
		1947	160	7,5	472,2	15	0	0	4			MIS	303
CYPRESS, MIS		2585 1953	10			1	0	0	32	S	10	AL	
BENOIST, MIS		2733 1972	20			2	0	0		S	4		
OHARA, MIS		2912 1968	130			1	0	0		L	3		
MCCLOSKEY, MIS		2970 1947	#			12	0	0	38	L	8	AC	
<b>LEXINGTON N, WABASH, 1S, 14W</b>													
STE, GEN, MIS		2915 1951	20	0,0	6,4	2	0	0	0	38	L	4	MC
ABO 1958													
<b>*LILLYVILLE, CUMBERLAND, EFFINGHAM, 8-9N, 6-7E</b>													
		1946	190	14,9	606,1	15	1	0	9			OEV	400
SPAR MTN, MIS		2433 1968	200			1	0	0		S	6		
MCCLOSKEY, MIS		2425 1946	#			13	1	0	36	L	10	A	
<b>LILLYVILLE N, CUMBERLAND, 9N, 7E</b>													
		1974	80	43,8	356,7	5	0	0	5			ORO	650
SPAR MTN, MIS		2405 1974	80			3	0	0		S	7		
MCCLOSKEY, MIS		2440 1974	#			5	0	0		L	20		
SALEM, MIS		2840 1974	60			4	0	0		L	5		
GENEVA, OEV		3825 1974	30			3	0	0		D	10		
<b>LIS, JASPER, 7N, 9E</b>													
SPAR MTN, MIS		3022 1964	10	0,0	0,5	1	0	0	0	37	S	5	MIS
ABO 1967													
<b>LITCHFIELD, MONTGOMERY, 8-9N, 5W</b>													
UNNAMED, PEN		660 1886	150	0,0	24,0	18	0	0	0	23	0,24	S	0
ABO 1904, REV 1942, ABO													
<b>LITCHFIELD S, MONTGOMERY, 8N, 5W</b>													
PENNSYLVANIAN		610 1967	50	0,0	0,0	4	0	0	2	23	S	3	OEV

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery		Area proved in acres		Oil production (M bbl)		Number of wells				Character of oil		Deepest test			
								Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. fur API (%)	Kind of rock, avg. thickness in feet, structure	Pay zone	Zone	Depth (ft)	
	During 1976	To end of 1976	Depth (ft)	Year of discovery													
<b>*LIVINGSTON, MADISON, 6N, 6W</b>																	
-----																	
PENNSYLVANIAN																	
		535	1948	490	4,2	708,8	66	1	1	25	35	S	15	ML	ORO	237	
<b>*LIVINGSTON S +, MADISON, 5-6N, 6W</b>																	
-----																	
PENNSYLVANIAN																	
		530	1950	610	16,2	538,8	74	3	1	53	35	S	7	ML	SIL	173	
<b>*LOCUST GROVE, WAYNE, 1N, 9E</b>																	
-----																	
			1951	150	1,3	251,0	13	0	2	1					MIS	419	
AUX VASES, MIS	3215	1951		110			8	0	2		36	S	10				
OMARA, MIS	3240	1951		40			4	0	0			L	4				
MCCLOSKEY, MIS	3230	1951		#			1	0	0		37	L	6				
<b>LOCUST GROVE S, WAYNE, 1S, 9E</b>																	
-----																	
			1953	170	0,0	112,4	10	0	0	0					MIS	341	
OMARA, MIS	3248	1953		170			2	0	0		39	L	6				
SPAR MTN, MIS	3300	1953		#			5	0	0		37	L	10				
MCCLOSKEY, MIS	3236	1958		#			4	0	0		39	L	4				
ASO 1971, REV 1972, A80 1974																	
<b>LOGAN, FRANKLIN, 7S, 3E</b>																	
-----																	
			1966	30	2,6	80,0	3	0	0	2					MIS	317	
AUX VASES, MIS	2920	1968		10			1	0	0			S	8				
SPAR MTN, MIS	3023	1966		20			1	0	0			L	4				
MCCLOSKEY, MIS	3082	1966		#			1	0	0		34	L	8				
<b>LONG BRANCH, SALINE, HAMILTON, 7S, 6E</b>																	
-----																	
			1950	70	1,0	329,7	12	0	0	3				A	MIS	338	
PALESTINE, MIS	2070	1950		20			2	0	0			S	3	AL			
CYPRESS, MIS	2745	1951		20			3	0	0		37	S	13	AL			
AUX VASES, MIS	3095			40			6	0	0		37	S	9	AL			
MCCLOSKEY, MIS	3220	1950		20			2	0	0		37	L	5	AC			
<b>LONG BRANCH S, SALINE, 3S, 6E</b>																	
-----																	
			1955	10	0,0	8,9	1	0	0	0				S	8	MIS	321
CYPRESS, MIS	2660	1955															
A80 1971																	
<b>*LOUDEN +, FAYETTE, EFFINGHAM, 6-9N, 2-4E</b>																	
-----																	
			1937	24570	2254,1	363415,4	2372	27	6	1223				A	PC	961	
CYPRESS, MIS	1500			21430			1593	10	5		36	0,25	S	30	A		
BETHEL, MIS	1540			9030			378	21	4		38	0,24	S	15	A		
BENOIST, MIS	1550	1937		7050			725	10	0		33	0,20	S	10	A		
AUX VASES, MIS	1600			540			10	0	0		37	0,17	S	6	AL		
MCCLOSKEY, MIS	1785	1955		10			1	0	0		37	L	4	AC			
CARPER, MIS	2930	1952		30			4	0	0		36	S	9	AL			
GENEVA, OEV	3000	1937		2630			94	0	0		23	0,48	O	15	A		
TRENTON, ORO	3905	1955		20			2	0	0			L	12	A			
<b>LOUISVILLE, CLAY, 4N, 6E</b>																	
-----																	
			1974	210	67,7	96,0	21	11	3	13					OEV	436	
AUX VASES, MIS	2800	1974		40			4	1	1			S	6				
SPAR MTN, MIS	2360	1974		210			5	4	0			S	10				
MCCLOSKEY, MIS	2872	1974		#			13	6	2			OL	6				
SALEM, MIS	3336	1974		10			1	0	0			L	4				
ULLIN, MIS	3530	1974		10			1	0	0			L	4				
<b>*LOUISVILLE N, CLAY, 4N, 6E</b>																	
-----																	
			1953	110	0,0	56,3	3	0	1	1				H	MIS	297	
AUX VASES, MIS	2755	1953		40			2	0	0		37	S	10	ML			
SPAR MTN, MIS	2812	1961		70			6	0	1		37	L	9	ML			
ASO 1956, REV 1962, A30 1973, REV 1974																	
<b>LOUISVILLE S, CLAY, 3N, 6E</b>																	
-----																	
			1960	20	0,0	0,0	2	0	0	0					DEV	474	
AUX VASES, MIS	2923	1960		10			1	0	0		38	S	6				
OMARA, MIS	2993	1960		10			1	0	0		36	L	2				
A80 1967																	
<b>LYNCHBURG, JEFFERSON, 3S, 4E</b>																	
-----																	
			1951	60	1,6	321,2	3	0	0	1	38	L	8	AC	MIS	357	
MCCLOSKEY, MIS	3045	1951															
<b>*MCKINLEY, WASHINGTON, 3S, 4W</b>																	
-----																	
			1940	250	1,9	767,0	30	0	0	6				O	ORO	398	

(CONTINUED ON NEXT PAGE)

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test		
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-ducting end of year			Gr. fur %API (%)	Kind of rock, avg. thicknes in feet, atructure	Zone
	Name and age									Depth (ft)				
(CONTINUED FROM PREVIOUS PAGE)														
*MCKINLEY, WASHINGTON, 3S, 4W														
BENDIST, MIS	1050	1940	180			17	0	0		41	0,18	S	5	O
SILURIAN	2240		190			12	0	0		40		L	40	R
MACEDONIA, FRANKLIN, 5S, 4E														
ULLIN, MIS	4097	1961	10	0,0	6,0	1	0	0	0	37		L	12	OEV 524
			ABO 1965											
*MAIN C +, CRAWFORD, LAWRENCE, JASPER, 5-8N, 10-14W														
		1906	61940	1134,2	226832,6	11643	188	47	3246					STP 531
CUBA, PEN	510		59750			75	0	0		32		S	X	HL
UNNAMED, PEN	750		#			4	0	0				S	5	HL
ROBINSON, PEN	950		#			10128	170	43		35		S	25	HL
PENNSYLVANIAN	1250		#			34	4	3				S	X	HL
BARLOW, MIS	1201	1968	10			1	0	0				OL	10	HL
CYPRESS, MIS	1480	1954	660			43	0	0		34		S	15	HL
PAINT CREEK, MIS	1280		5020			X	0	0		36		S	30	HL
BETHEL, MIS	1400		#			168	3	1		36		S	18	HL
AUX VASES, MIS	1430		2910			131	2	1		35		S	15	HL
SPAR MTN, MIS	1515		680			2	0	0				S	6	HC
MCCL(OBLONG), MIS	1400		#			149	0	0		35		L	X	HC
SALEM, MIS	1815	1947	290			14	0	0		37		L	5	HC
DEVONIAN	2795	1941	340			11	8	0		40		L	11	HC
TRENTON, ORD	3900	1976	10			1	1	0				L	75	
*MAPLE GROVE C, EDWARDS, WAYNE, 1-2N, 9-10E														
		1943	2290	47,0	4572,6	127	9	1	31					A MIS 414
AUX VASES, MIS	3145	1943	640			43	6	0		38		S	15	A
OMARA, MIS	3230	1945	1700			5	1	0		27		L	3	AC
SPAR MTN, MIS	3250		#			2	1	0				L	1	AC
MCCLOSKEY, MIS	3260	1943	#			83	1	1		41		L	6	A
SALEM, MIS	3660	1967	20			3	2	0		39		L	4	
ULLIN, MIS	4057	1976	10			1	1	0				L	7	
MAPLE GROVE S, EDWARDS, 1N, 10E														
MCCLOSKEY, MIS	3250	1945	20	0,0	10,5	2	0	0	0	38		L	10	HC MIS 335
			ABO 1950,REV 1970,ABO 1973											
MARCOE, JEFFERSON, 3S, 2E														
		1938	20	0,8	14,0	2	0	0	2					MIS 352
SPAR MTN, MIS	2700	1976	10			1	1	0				S	18	
MCCLOSKEY, MIS	2745	1938	20			2	0	0		25	0,54	L	15	HC
*MARINE, MADISON, 4N, 6W														
DEV-SIL	1700	1943	2470	41,0	11895,8	148	0	0	116	35	0,28	L	20	R ORD 261
MARINE W, MADISON, 5N, 7W														
DEVONIAN	1653	1965	100	0,5	25,1	6	0	2	1	35		L	3	ORD 235
MARION, WILLIAMSON, 9S, 3E														
		1950	20	0,0	0,2	2	0	0	1					MIS 256
AUX VASES, MIS	2385	1950	10			1	0	0		40		S	5	
OMARA, MIS	2470	1975	10			1	0	0				L	8	
			ABO 1951,REV 1975											
MARION E, WILLIAMSON, 9S, 3E														
BETHEL, MIS	2295	1959	10	0,0	1,1	2	0	0	0	37		S	8	MIS 264
			ABO 1963											
MARISSA W +, ST. CLAIR, RANDOLPH, 3-4S, 7W														
CYPRESS, MIS	215	1960	70	0,0	0,0	3	0	0	0	25		S	3	MIS 30
			ABO 1966											
*MARKHAM CITY, JEFFERSON, 2-3S, 4E														
STE. GEN, MIS	3070	1942	340	4,0	1600,0	19	0	0	4	38	0,08	L	10	A MIS 321
*MARKHAM CITY N, JEFFERSON, WAYNE, 28, 4-5E														
		1943	310	7,7	1447,5	23	0	0	9					A MIS 316
AUX VASES, MIS	2950	1944	120			9	0	0		38		S	6	AL
MCCLOSKEY, MIS	3075	1943	310			16	0	0		37	0,24	L	8	AC

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test			
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-duc-ing end of year				Gr. fur %API (%)	Kind of rock, avg. thickness in feet, structure	Zone
	Name and age														
*MARKHAM CITY W, JEFFERSON, 2-3S, 4E															
		1945	500	2,0	2384,1	40	0	0	3			MIS	379		
AUX VASES, MIS	2905	1945	310			19	0	0		39	S	15 AL			
MCCLOSKEY, MIS	3035	1946	310			23	0	0		37	L	7 AC			
SALEM, MIS	3774	1969	10			1	0	0			L	4			
*MARTINSVILLE, CLARK, 9-10N, 13-14W															
		1907	2590	X	X	361	3	3	139			O	STP	341	
SHALLOW, PEN	255		2290			10	0	0			S	X D			
CASEY, PEN	500		#			98	0	2			S	X D			
MARTINSVILLE, MIS	450		520			28	0	0			L	X D			
CARPER, MIS	1340		1040			84	0	1	37		S	40 D			
DEVONIAN	1550		700			45	0	0	38		L	X D			
TRENTON, ORD	2700		140			9	3	0	40		L	X D			
SEE CLARK COUNTY DIVISION FOR PRODUCTION															
*MASON N, EFFINGHAM, 6N, 5E															
		1951	240	3,3	400,7	16	0	0	9			A	MIS	255	
BENOIST, MIS	2290	1951	150			11	0	0	38		S	13 AL			
AUX VASES, MIS	2355	1951	10			1	0	0	36		S	5 AL			
SPAR MTN, MIS	2390	1951	90			4	0	0			L	18 AC			
MCCLOSKEY, MIS	2475		#			3	0	0	37		L	5 AC			
MASSILON, WAYNE, EDWARDS, 1S, 9-10E															
OHARA, MIS	3255	1946	70	0,0	91,2	3	0	0	0	37	L	6 MC	MIS	347	
ASO 1953															
MASSILON S, EDWARDS, 1S, 10E															
OHARA, MIS	3315	1947	10	0,0	0,3	1	0	0	0	37	L	9 MC	MIS	344	
ASO 1947															
*MATTOON, COLES, 11-12N, 7-8E															
		1939	6080	170,2	19939,5	558	8	4	239			A	STP	491	
CYPRESS, MIS	1750	1939	3290			257	9	3	39	0,16	S	13 A			
AUX VASES, MIS	1900		570			28	0	0	32		S	15 AL			
SPAR MTN, MIS	1950	1944	4830			394	0	0	38	0,21	S	12 A			
MCCLOSKEY, MIS	2010		#			6	0	0	37		L	5 AC			
CARPER, MIS	2950	1955	420			23	0	1	39		S	10 A			
DEVONIAN	3162	1970	30			4	0	0	34			9			
*MATTOON N, COLES, 13N, 7E															
SPAR MTN, MIS	1902	1960	160	2,3	363,8	12	0	0	8	40	S	12 A	MIS	196	
MATTOON S, CUMBERLAND, 11N, 7E															
CARPER, MIS	3035	1962	50	0,0	4,7	3	0	0	0	38	S	10	MIS	333	
ASO 1966															
MAUNIE E, WHITE, 6S, 11E															
		1951	80	0,5	62,7	6	0	0	1			S	S AF	MIS	308
TAR SPRINGS, MIS	2280	1962	10			1	0	0	35		S	20 AF			
AUX VASES, MIS	2870	1951	70			5	0	0	35		S	20 AF			
ASO 1952, REV 1955															
*MAUNIE N C, WHITE, 5-6S, 10-11E, 14W															
		1941	2120	30,3	4955,5	177	0	0	46			A	MIS	401	
PENNSYLVANIAN	1320		10			1	0	0	34		S	20 AL			
WALTERSBURG, MIS	2305	1952	130			10	0	0	37		S	12 AL			
TAR SPRINGS, MIS	2350		160			10	0	0	35		S	10 AL			
MAROINSBURG, MIS	2565		10			1	0	0	36		S	10 A			
SAMPLE, MIS	2830		480			2	0	0	35		S	13 AL			
BETHEL, MIS	2820	1941	#			30	0	0	35		S	13 AL			
RENAULT, MIS	2935		10			1	0	0	36		L	2 AC			
AUX VASES, MIS	2930	1943	870			93	0	0	35		S	13 AL			
OHARA, MIS	2995	1944	880			8	0	0	37		L	4 AC			
SPAR MTN, MIS	3025	1947	#			23	0	0	36		L	6 AC			
MCCLOSKEY, MIS	3035	1945	#			24	0	0	33		L	10 AC			
*MAUNIE SOUTH C, WHITE, 6S, 10-11E															
		1941	1730	64,0	7272,5	172	0	1	53			A	MIS	425	
BRIDGEPORT, PEN	1400		180			11	0	0	24		S	7 AL			
BIEHL, PEN	1649	1959	#			3	0	0	31		S	X AL			
OEGONIA, MIS	1900	1942	120			13	0	0	35		S	10 AL			
PALESTINE, MIS	2010	1941	640			54	0	1	35		S	17 AL			
WALTERSBURG, MIS	2210		20			2	0	0	37		S	19 AL			
TAR SPRINGS, MIS	2270	1942	810			52	0	0	35		S	16 AF			
CYPRESS, MIS	2590		380			29	0	0	36		S	10 AL			
BETHEL, MIS	2735		10			1	0	0	37		S	X AL			

(CONTINUED ON NEXT PAGE)



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year			
(CONTINUED FROM PREVIOUS PAGE)												
*MAUNIE SOUTH C, WHITE, 6S, 10-11E												
AUX VASES, MIS		2845 1941	180			12	0	0		37	S	12 AL
SPAR MTN, MIS		2900	40			1	0	0			L	8 AC
MCCLOSKEY, MIS		2920	#			4	0	0		35	L	6 AC
S7 LOUIS, MIS		3293 1975	10			1	0	0			L	9
SALEM, MIS		3874 1973	10			1	0	0			L	
ULLIN, MIS		3964 1975	10			1	0	0			L	6
MAYBERRY, WAYNE, 2-3S, 6E												
MCCLOSKEY, MIS		3350 1941	120	3,4	395,1	7	0	0	2	39	0,16 L	8 AC DEV 537
MAYBERRY N, WAYNE, 2S, 6E												
MCCLOSKEY, MIS		3330 1948	10	0,0	1,4	1	0	0	0	39	L	2 MIS 346
			ABO 1950									
MECHANICSBURG, SANGAMON, 16N, 3W												
SILURIAN		1734 1972	140	31,9	151,5	10	0	0	9		L	16 8IL 177
*MELROSE, CLARK, 9N, 13W												
ISABEL, PEN		840 1953	140	3,2	x	14	0	0	3	35	S	10 PEN 91
MELROSE S, CLARK, 9N 13W												
ISABEL, PEN		865 1953	20	0,0	0,0	2	0	0	0	35	S	7 PEN 88
			ABO 1959, REV 1964, ABO 1969									
*MILETUS, MARION, 4N, 4E												
BENDIS7, MIS		2140 1947	220	1,8	364,4	16	0	0	4		S	7 A DEV 395
AUX VASES, MIS		2200 1947	130			8	0	0		35	S	7 A
MCCLOSKEY, MIS		2350 1947	140			8	0	0		36	S	7 A
			50			3	0	0		36	L	5 A
MILLERBURG, BOND, 4N, 4W												
DEVONIAN		2130 1967	20	0,0	10,3	2	0	0	0	38	S	2 DEV 216
			ABO 1971									
*MILL SMOALS, WHITE, HAMILTON, WAYNE, 2-4S, 7-8E												
AUX VASES, MIS		3245 1939	3230	81,3	11778,1	249	1	10	73		S	11 A MIS 545
OHARA, MIS		3320	2700			198	1	6		36	0,14	11 A
SPAR MTN, MIS		3345	1030			9	0	0			OL	11 AC
MCCLOSKEY, MIS		3375 1939	#			14	0	0			L	8 AC
S7 LOUIS, MIS		3546 1960	10			40	0	3		36	OL	5 AC
SALEM, MIS		3970 1961	10			1	0	1		39	L	10 AC
ULLIN, MIS		4110 1959	10			2	0	0		38	L	4 A
						1	0	1		38	L	10 A
MILLS PRAIRIE, EDWARDS, 1N, 14W												
OHARA, MIS		2925 1948	10	0,0	1,9	1	0	0	0	37	L	5 MC MIS 301
			ABO 1952									
MILLS PRAIRIE N, EDWARDS, 1N, 14W												
OHARA, MIS		2925 1953	30	0,0	4,9	2	0	0	0	37	L	5 MC MIS 300
			ABO 1956									
MITCHELLSVILLE, SALINE, 10S, 6E												
DEGONIA, MIS		1330 1955	30	0,5	23,8	3	0	0	1		S	6 MIS 245
WALTERSBURG, MIS		1505 1955	10			1	0	0		35	S	9
CYPRESS, MIS		2107 1973	10			1	0	0		38	S	20
*MOORE, BHELBY, 10N, 4E												
BETHEL, MIS		1682 1961	360	1,5	334,0	18	0	0	13		S	8 12 DEV 326
BENDIS7, MIS		1742 1961	120			8	0	0		35	S	8
AUX VASES, MIS		1772 1961	360			13	0	0		34	S	8
			10			2	0	0		37	S	8
MONTRORIE, EFFINGHAM, 8N, 7E												
MCCLOSKEY, MIS		2523 1968	80	5,5	124,5	6	0	0	3		L	7 MIS 300

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. fur °API (%)	Pay zone Kind of rock, avg. thickness in feet, structure	Deepest test Zone Depth (ft)
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-duc-ing end of year			
*MONTROSE N, CUMBERLAND, 9N, 7E												
-----												
MCCLOSKEY, MIS		2500 1969	20	0,3	19,4	2	0	0	2		OL 10	DEV 395
*MT, AUBURN C, CHRISTIAN, 15N, 1-2W												
-----												
SILURIAN		1920 1943	7240	55,8	6593,4	433	0	6	122 37	0,28 L	15 MU	TRN 257
*MT, CARMEL ++, WABASH, 1N, 1S, 12W												
-----												
		1939	4650	211,1	18105,5	539	10	16	195			DEV 423
BRIDGEPORT, PEN		1370 1946	1160			5	0	0		34	S 20	AL
BIEHL, PEN		1470	#			67	2	3		36	0,28 S	20 AL
JORDAN, PEN		1520	#			6	0	0			S	15 AL
PALESTINE, MIS		1580	60			5	0	1		35	S	10 AL
WALTERSBURG, MIS		1690	30			3	0	0		36	S	10 AL
TAR SPRINGS, MIS		1790 1939	430			35	0	4		36	S	13 AL
JACKSON, MIS		2020 1945	10			1	0	0			S	25 AL
CYPRESS, MIS		2025 1940	3650			335	4	10		33	0,17 S	15 AL
SAMPLE, MIS		2095	180			4	0	0		37	S	7 AL
BETMEL, MIS		2110	#			13	0	2		35	S	16 AL
OMARA, MIS		2320	1340			21	1	1		35	OL	5 AC
SPAR MTN, MIS		2350	#			14	0	0		39	0,26 S	5 AL
MCCLOSKEY, MIS		2360	#			66	0	1		37	0,42 OL	6 AC
SALEM, MIS		2696 1966	50			5	4	0			L	14
MT, ERIE N, WAYNE, 1N, 9E												
-----												
		1944	200	0,0	390,7	14	0	1				MIS 336
AUX VASES, MIS		3110 1944	110			5	0	0		40	S	8 ML
OMARA, MIS		3170 1949	130			2	0	1			L	6 MC
MCCLOSKEY, MIS		3240 1944	#			5	0	0		37	L	5 MC
ABO 1966, REV 1967												
MT, OLIVE +, MONTGOMERY, 8N, 5W												
-----												
POTTSVILLE, PEN		605 1942	80	0,0	X	6	0	1		0 33	0,16 S	6 A
SIL 187												
MT, VERNON, JEFFERSON, 3S, 3E												
-----												
		1943	220	7,1	375,5	15	2	0		4		A MIS 326
AUX VASES, MIS		2665 1943	70			5	0	0		36	S	8 A
OMARA, MIS		2750 1943	150			2	0	0			L	6 AC
MCCLOSKEY, MIS		2800 1943	#			10	2	0		39	0,18 L	7 AC
MT, VERNON N, JEFFERSON, 2S, 3E												
-----												
MCCLOSKEY, MIS		2675 1956	20	0,6	64,1	2	0	0		2 38	L	6 MIS 275
MURDOCK, DOUGLAS, 16N, 10E												
-----												
PENNSYLVANIAN		370 1955	10	0,0	0,0	3	0	0		0 36	S	16 PEN 42
ABO 1957, REV 1961, ABO 1968												
NASHVILLE, WASHINGTON, 2S, 3W												
-----												
		1973	390	106,0	603,7	31	0	3		24		ORO 377
DEVONIAN		2625 1973	40			4	0	0			O	20
SILURIAN		2650 1973	370			29	0	3		41	L	40 R
NASON, JEFFERSON, 3-4S, 2E												
-----												
		1943	30	0,6	52,8	3	0	0		1		ML MIS 392
OMARA, MIS		2755 1962	30			1	0	0		37	L	4
SPAR MTN, MIS		2790 1943	#			2	0	0		37	S	12 ML
NEW BADEN E, CLINTON, 1N, 5W												
-----												
SILURIAN		1935 1955	290	11,4	243,3	23	1	15		14 39	L	15 R
SIL 220												
NEW BELLAIR, CRAWFORD, 5N, 13W												
-----												
		1942	130	0,0	10,0	8	0	0		1		M OEV 260
ISABEL, PEN		650 1952	20			2	0			32	S	3 ML
CYPRESS		1165 1942	50		10,0	3	0			29	0,30 S	10 ML
AUX VASES, MIS		1250 1956	60			3	0	0			S	20 M
ABO 1945, REV 1952, ABO 1954, REV 1956												
NEW CITY, SANGAMON, 14N, 4W												
-----												
SILURIAN		1730 1954	430	3,2	210,5	37	0	0		8 39	L	11 MU
SIL 185												



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of dis-covery Depth (ft)	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. fur API (%)	Pay zone Kind of rock, avg. thickness in feet, structure	Deepest test Zone Depth (ft)
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-ducting end of year			
NEWTON N, JASPER, 7N, 10E												
MCCLOSKY, MIS	2855 1945	100	0,2	7,1	7	1	0	1	37	L	5 MC	MIS 296
ABO 1948,REV 1960,ABO 1966,REV 1976												
NEWTON W, JASPER, 6-7N, 9E												
SPAR MTN, MIS	1947	550	6,2	303,3	35	0	0	10				MIS 342
MCCLOSKY, MIS	2912 1962	550	#	#	12	0	0			L	5	
	3000 1947	#			29	0	0	38		L	7 MC	
ABO 1947,REV 1952,ABO 1953,REV 1961												
NOBLE W, CLAY, 3N, 8E												
MCCLOSKY, MIS	3035 1951	10	0,0	9,3	1	0	0	0	36	L	8	MIS 362
ABO 1959												
*OAKOALE, JEFFERSON, 2S, 4E												
AUX VASES, MIS	1956	450	19,5	861,9	34	3	1	10				MIS 376
MCCLOSKY, MIS	2860 1956	370			26	0	1	38		S	35	
	2985 1956	90			9	3	0	37		L	5	
*OAKOALE N, JEFFERSON, 2S, 4E												
MCCLOSKY, MIS	2932 1960	170	4,2	668,4	13	1	0	8	37	OL	5	MIS 307
OAKLEY, MACON, 16N, 3E												
CEDAR VALLEY, OEV	2285 1954	170	0,0	22,9	10	0	0	1	37	L	5	OEV 233
ABO 1965,REV 1974												
*OAK POINT, CLARK, JASPER, 8-9N, 14W												
ISABEL, PEN	1952	780	7,1	558,7	63	1	1	29				OEV 269
AUX VASES, MIS	560 1955	10			1	0	0			S	10 ML	
CARPER, MIS	1185 1955	680			55	1	1	37		S	17	
	2220 1952	90			7	0	0			S	X ML	
OAK POINT W, CLARK, CUMBERLAND, 9N, 11E, 14W												
AUX VASES, MIS	1190 1955	120	0,4	17,6	10	0	0	6	35	S	8	MIS 156
OCONEE, BHELBY, 10N, 1E												
LINGLE, OEV	2850 1975	70	10,2	14,4	4	3	0	4		S	6	OEV 313
*OON, MARION, 2N, 1-2E												
CYPRESS, MIS	1945	350	6,9	1864,0	34	0	0	26				OEV 359
BENOIS, MIS	1750 1945	340			30	0	0	37		S	13 AL	
MCCLOSKY, MIS	1912 1963	10			1	0	0	37		S	3	
	2085 1957	30			4	0	0	37		L	12 A	
OKAWVILLE, WASHINGTON, 1S, 4W												
SILURIAN	2325 1951	50	0,0	63,3	4	0	0	0	40	L	3 R	SIL 260
ABO 1969												
OKAWVILLE NC, WASHINGTON, 1S, 4W												
OEV-SIL	2200 1955	220	8,5	161,1	17	0	0	11	40	L		ORO 307
*OLO RIPLEY, BONO, 5N, 4W												
PENNSYLVANIAN	1954	880	10,2	522,5	80	5	2	58				OEV 222
AUX VASES, MIS	600 1954	870			79	5	2	34		S	17 A	
	941 1964	10			1	0	0	36		S	19	
OLO RIPLEY N, BONO, 5N, 4W												
HARON, OEV	1991 1962	20	0,0	3,0	1	0	0	0	35	S	1	OEV 204
ABO 1966												
*OLNEY C, RICHLAND, JASPER, 4-5N, 10												
AUX VASES, MIS	1938	3900	51,6	8288,6	227	0	3	30				MIS 385
OHARA, MIS	2918 1960	80			5	0	0	37		S	X A	
SPAR MTN, MIS	3005 1943	3840			15	0	0	37	0,19	L	6 A	
MCCLOSKY, MIS	3050 1946	#			76	0	3	37	0,19	L	5 A	
	3100 1938	#			139	0	1	37	0,19	L	6 A	

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Kind of rock, avg. thickness in feet, structure	Deep test	
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year					
	Name and age									Depth (ft)	Gr. API	Sul- fur (%)	Zone	Depth (ft)
<b>*OLNEY S, RICHLAND, 3N, 10E</b>														
		1937	1010	4.5	1073.3	60	0	0	19		M	OEV	491	
OMARA, MIS	3142	1962	1010			1	0	0		L	4			
SPAR MTN, MIS	3100		#			38	0	0		L	4	MC		
MCCLOSKEY, MIS	3115		#			36	0	0		L	3	MC		
<b>*OMAMA +, GALLATIN, 7-88, 8E</b>														
		1940	1760	110.3	5983.4	160	0	3	37		O	OEV	532	
JAKE CREEK, PEN	385		340			15	0	0		S	20	O		
PENNSYLVANIAN	590		#			5	0	0		S	10	O		
BIEM, PEN	1335	1948	#			5	0	0		S	10	O		
PALESTINE, MIS	1700	1940	410			27	0	0		0,24 S	15	O		
TAR SPRINGS, MIB	1900		170			9	0	0		S	15	O		
MARDINSBURG, MIS	2179	1961	80			6	0	0		S	18	O		
CYPRESS, MIS	2402	1959	150			12	0	2		S	12	O		
PAINT CREEK, MIS	2450	1961	40			1	0	0		S	10			
BETHEL, MIB	2570	1955	#			3	0	0		S	14	D		
AUX VASES, MIS	2730	1955	890			67	0	1		S	20	O		
OMARA, MIS	2734	1958	350			18	0	0		S	14	O		
SPAR MTN, MIS	2722	1958	#			5	0	0		S	8	O		
MCCLOSKEY, MIS	2800	1961	#			6	0	0		L	X	O		
<b>OMAMA E, GALLATIN, 8S, 8E</b>														
		1946	130	0.0	61.2	11	0	0	1		M	MIS	300	
CYPRESS, MIS	2530	1957	30			3	0	0		S	6	M		
AUX VASES, MIS	2790		10			1	0	0		S	X	M		
OMARA, MIS	2855	1946	90			3	0	0		L	8	MCF		
SPAR MTN, MIB	2942	1960	#			1	0	0		L	9	MCF		
MCCLOSKEY, MIS	2884	1958	#			3	0	0		L	10	MCF		
<b>*OMAMA S, GALLATIN, 8ALINE, 8S, 7-8E</b>														
		1951	140	1.1	93.5	9	0	0	2		N	MIS	303	
CYPRESS, MIS	2535	1953	90			5	0	0		S	15	NL		
AUX VASES, MIB	2870	1955	40			3	0	0		S	11	N		
SPAR MTN, MIS	2865	1951	10			1	0	0		L	1	NC		
ABO 1965, REV 1969														
<b>*OMAMA W, SALINE, GALLATIN, 7-8S, 7-8E</b>														
		1950	160	13.5	403.5	14	0	0	12		A	MIS	302	
CYPRESS, MIS	2600	1950	70			6	0	0		S	14	AL		
SAMPLE, MIS	2600	1967	80			6	0	0		S	12			
AUX VASES, MIS	2800	1950	20			2	0	0		S	30	AL		
MCCLOSKEY, MIS	2910		10			1	0	0		L	8	AC		
<b>OMEGA, MARION, 3N, 4E</b>														
		1946	70	0.0	25.4	5	0	0	0				MIS	259
BENOIST, MIS	2280	1963	10			1	0	0		S	3			
MCCLOSKEY, MIS	2490	1946	60			4	0	0		L	10	O		
ABO 1949, REV 1963, ABO 1968														
<b>OPOYKE, JEFFERSON, 3S, 4E</b>														
		1961	40	0.0	7.2	2	0	0	0				MIS	317
OMARA, MIS	3016	1962	40			1	0	0		L	8			
MCCLOSKEY, MIS	3074	1961	#			2	0	0		OL	20			
ABO 1967														
<b>*ORCHAROVILLE, WAYNE, 1N, 5E</b>														
		1950	200	10.5	376.8	17	0	3	9		A	MIS	400	
SAMPLE, MIS	2655	1958	10			1	0	0		S		A		
AUX VASES, MIS	2800	1951	190			13	0	2		S	16	AL		
OMARA, MIS	2880		60			2	0	1		L	3	AC		
MCCLOSKEY, MIS	2905	1950	#			4	0	0		L	5	AC		
<b>ORCHAROVILLE N, WAYNE, 1N, 5E</b>														
		1956	20	0.6	24.0	2	0	0	1				OEV	468
PAINT CREEK, MIS	2655	1956	10			1	0	0		S	6			
AUX VASES, MIS	2780	1971	10			1	0	0		S	4			
ABO 1964, REV 1971														
<b>*ORIENT, FRANKLIN, 7S, 2E</b>														
		1965	40	7.9	182.7	4	0	0	4	38	8	24	MIB	285
AUX VASES, MIB	2660	1965												
<b>ORIENT N, FRANKLIN, 7S, 2E</b>														
		1967	10	0.0	0.3	1	0	0	0	38	S	4	MIS	304
AUX VASES	2680	1967												
ABO 1972														

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. fur Sulfur (%)	Pay zone Kind of rock, avg. thickness in feet, structure	Deepest test Zone	Depth (ft)		
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year						
*OSKALOOSA, CLAY, 3-4N, 5E															
		1950	490	7.3	2610.7	44	0	1	9		A	OEV	451		
BENOIST, MIS		2595 1950	450			40	0	1		S	15	A			
AUX VASES, MIS		2643 1958	150			11	0	0	37	S	X	A			
MCCLOSKY, MIS		2755 1957	280			14	0	0	36	L	5	A			
*OSKALOOSA E, CLAY, 3N, 5-6E															
		1947	30	0.0	35.2	2	0	0	0		A	MIS	339		
AUX VASES, MIS		2820 1947	20		7.0	1	0	0	37	S	5	AL			
MCCLOSKY, MIS		2895 1951	10		28.0	1	0	0	33	L	4	AC			
			ABO 1954												
OSKALOOSA S, CLAY, 3N, 5E															
STE GENEVIEVE, MIS		2770 1951	130	1.2	85.4	11	0	0	5	35	L	4	AC	ORO	584
PANA, CHRISTIAN, 11-12N, 1E															
BENOIST, MIS		1470 1951	60	2.9	125.5	5	0	0	4	37	S	8		OEV	284
PANA S, CHRISTIAN, 11N, 1E															
DEVONIAN		2881 1974	130	0.0	0.1	6	0	0	6		L	5		OEV	292
PANAMA +, 80NO, MONTGOMERY, 7N, 3-4W															
		1940	60	0.0	22.4	6	0	1	1		A	OEV	201		
GOLCONDA, MIS		705	40			4	0	1	31	L	12	A			
BENOIST, MIS		865	30			3	1	1	28	S	12	A			
PANKEYVILLE, SALINE, 9S, 6E															
		1956	30	0.0	6.1	2	0	0	0				MIS	274	
CYPRESS, MIS		2250 1956	20		6.1	2	0	0	37	S	X				
AUX VASES, MIS		2511 1961	10			1	0	0	38	S	22				
			ABO 1957, REV 1961, ABO 1961												
PANKEYVILLE E, SALINE, 9S, 7E															
		1956	10	0.0	0.0	1	0	0	0				MIS	260	
CYPRESS, MIS		2250 1956	10			1	0	0	37	S	X				
PAINT CREEK, MIS		2360 1956	10			1	0	0	36	S	13				
			ABO 1957												
*PARKERSBURG C, RICHLAND, EDWARDS, 1-3N, 10-11E, 14W															
		1941	5310	20.1	11089.5	318	0	4	61		A	OEV	512		
PENNSYLVANIAN		2100 1967	1000			1	0	0	36	S	18				
WALTERSBURG, MIS		2430 1950	150			12	0	0	39	S	10	A			
TAR SPRINGS, MIS		2440 1967	10			1	0	0	36	S	2	A			
CYPRESS, MIS		2830 1942	180			10	0	0	36	S	12	A			
BETHMEL, MIS		2930 1942	310			20	0	2	35	S	12	A			
AUX VASES, MIS		3070	20			2	0	0	37	S	20	A			
OHARA, MIS		3100	4690			4	0	0		L	10	A			
SPAR MTN, MIS		3150 1945	#			56	0	1	36	0.34	L	10	A		
MCCLOSKY, MIS		3175 1941	#			201	0	2	36	0.31	OL	10	A		
PARKERSBURG S, EDWARDS, 1N, 14W															
		1948	100	4.6	93.8	9	0	0	4				MIS	318	
PENNSYLVANIAN		1400 1950	70			6	0	0	35	S	10				
CYPRESS		2750 1954	10			1	0	0	36	S	X				
BETHMEL, MIS		2815 1948	20			3	0	0	35	S	5				
PARKERSBURG W, RICHLAND, EDWARDS, 2N, 10E															
		1943	320	1.9	236.5	19	1	0	1		A	MIS	378		
OHARA, MIS		3220 1945	320			2	1	0			5	AC			
MCCLOSKY, MIS		3260 1943	#			17	0	0	38	L	6	AC			
			ABO 1962, REV 1964, ABO 1965, REV 1976												
PARNELL, DEWITT, 21N, 4E															
		1963	610	12.1	181.4	39	0	0	38				TRN	197	
SONORA, MIS		671 1963	590			36	0	0	32	S	12				
DEVONIAN		1100 1964	20			3	0	0	37	S	12				
*PASSPORT, CLAY, 4-5N, 5E															
		1948	990	11.8	3376.1	65	0	3	20		A	MIS	383		
AUX VASES, MIS		2924 1964	20			5	0	0	36	S	6				
SPAR MTN, MIS		3005 1945	970			2	0	0	38	L	5	AC			

(CONTINUED ON NEXT PAGE)

STATISTICS  
ILLINOIS  
TABLE 8

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone	Deepest test			
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. fur %API	Sul- (%)			Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
(CONTINUED FROM PREVIOUS PAGE)																
*PASSPORT, CLAY, 4-5N, 8E																
MCCLOSKEY, MIS		3020	#			59	0	3		37	L	10	A			
PASSPORT N, RICHLAND, 5N, 9E																
AUX VASES, MIS		2940	1959	60	1,9	69,1	5	0	0	3	36	S	10	MIS	320	
*PASSPORT S, RICHLAND, CLAY, 4N, 8-9E																
TAR SPRINGS, MIS		1948		130	0,0	171,9	11	0	0	1			A	MIS	369	
CYPRESS, MIS		2368	1962	10			1	0	0		37	S	9			
AUX VASES, MIS		2665	1948	80			7	0	0		38	S	15	AL		
SPAR MTN, MIS		2957	1960	10			1	0	0		36	S	8	A		
MCCLOSKEY, MIS		3025	1948	40			1	0	0			L	6	AC		
		3030		#			2	0	0		38	L	8	AC		
PASSPORT W, CLAY, 4N, 8E																
STE, GEN, MIS		3030	1954	150	0,0	69,4	11	0	0	0	37	L	5	AC	MIS	357
ABO 1967, REV 1971, ABO 1974																
*PATOKA, MARION, CLINTON, 3-4N, 1E, 1W																
CYPRESS, MIS		1280	1937	1560	32,6	14653,3	242	0	3	106			0	ORO	405	
BENOIST, MIS		1410	1937	1000			8	0	0		39	S	10	0		
AUX VASES, MIS		1459	1970	40			180	0	0		37	0,16	S	27	0	
SPAR MTN, MIS		1550		510			3	0	0			S	13			
GENEVA, DEV		2835	1943	30			15	0	0		39	0,31	S	9	0	
TRENTON, ORO		3950	1956	630			3	0	0		40	0,28	O	10	0	
							34	0	3		42	L	25	0		
*PATOKA E, MARION, 4N, 1E																
CYPRESS, MIS		1340	1941	560	53,2	5628,5	64	0	0	37			0	ORO	417	
BENOIST, MIS		1465		50			54	0	0		36	0,18	S	16	0	
MCCLOSKEY, MIS		1635	1953	40			5	0	0		36	0,23	S	10	0	
GENEVA, DEV		2950	1952	20			3	0	0		34	L	8	0		
							2	0	0		35	O	30	R		
*PATOKA S, MARION, 3N, 1E																
CYPRESS, MIS		1350	1953	1020	50,7	2376,9	86	1	0	66			0	ORO	404	
BENOIST, MIS		1461	1959	830			63	0	0		36	S	10	A		
SPAR MTN, MIS		1624	1959	50			20	0	0		37	S	15	A		
TRENTON, ORO		3990	1973	120			2	0	0			S	5	A		
							4	1	0		43	L	18			
PATOKA W, FAYETTE, 4N, 1W																
BENOIST, MIS		1380	1950	200	0,0	303,6	20	0	0	0	32	S	6	A	MIS	173
ABO 1965																
*PHILLIPSTOWN C, WHITE, EDWARDS, 3-5S, 10-11E, 14W																
ANVIL ROCK, PEN		1939		7070	601,6	29112,1	630	20	7	316			0	DEV	535	
CLARK-BROGPT, PEN		795	1943	1740			1	0	0		36	S	10	AF		
PENNSYLVANIAN		1350		#			14	0	0		36	S	10	AF		
BUCHANAN, PEN		1450		#			14	0	0		36	S	10	AF		
BIEHL, PEN		1550		#			25	0	0		30	S	15	AF		
KINKAIO, MIS		1875		#			85	2	3		33	0,22	S	15	AF	
OEGONIA, MIS		1954	1961	10			1	0	0			S	17	AF		
CLORE, MIS		1975	1943	800			65	1	0		38	S	15	AF		
PALESTINE, MIS		2010	1942	170			16	0	0		34	S	12	AF		
WALTERSBURG, MIS		2050	1942	130			12	2	1		32	S	11	AF		
TAR SPRINGS, MIS		2280	1943	260			25	8	0		34	S	11	AF		
CYPRESS, MIS		2295	1943	1240			99	5	3		35	S	15	AF		
PAINT CREEK, MIS		2720	1943	540			47	1	0		36	S	12	AF		
BETHEL, MIS		2780	1944	1580			7	0	0		37	S	9	AF		
AUX VASES, MIS		2810	1943	#			112	1	1		36	S	15	AF		
OHARA, MIS		2880	1939	1000			77	0	0		37	S	15	AF		
SPAR MTN, MIS		3010	1943	2030			28	0	0		36	L	10	ACF		
MCCLOSKEY, MIS		2960		#			36	0	0		38	0,21	LS	10	ACF	
ST LOUIS, MIS		3000	1939	#			72	2	1		34	0,21	L	6	ACF	
		3120	1976	10			1	1	0			L	20			
*PHILLIPSTOWN S, WHITE, 5S, 10E																
PALESTINE, MIS		1951		200	0,6	148,6	15	1	0	5			0	M	MIS	316
TAR SPRINGS, MIS		2140	1976	10			1	1	0			S	6			
AUX VASES, MIS		2345	1951	100			7	0	0		35	S	10	MF		
SPAR MTN, MIS		2985	1951	60			5	0	0		37	S	10	MF		
MCCLOSKEY, MIS		3083	1961	20			1	0	0			L	8	MF		
		3065	1957	#			1	0	0		36	L	4	M		

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Producing end of year	Character of oil Gr. API	Pay zone	Deepest test Zone	Depth (ft)
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976						
PINKSTAFF, LAWRENCE, 4N, 11W														
MCCLOSKEY, MIS	1735 1951	10	0.0	0.1	1	0	0	0	37	L	4	MIS	179	
-----														
PINKSTAFF E, LAWRENCE, 4N, 11W														
SPAR MTN, MIS	1640 1953	130	7.4	X	9	4	0	8	35	L	6	MIS	225	
MCCLOSKEY, MIS	1640 1976	130	#		8	3	0			OL	9			
-----														
PI7788BURG N +, WILLIAMSON, 8S, 3E														
BETHEL, MIS	2459 1972	40	5.2	62.2	4	0	0	3		S	8	MIS	307	
AUX VASES, MIS	2578 1964	10			1	0	0			S	8			
-----														
PIXLEY, CLAY, 4N, 8E														
CYPRESS, MIS	2680 1959	20	0.0	0.0	2	0	0	0	35	S	9	MIS	312	
-----														
PLAINVIEW +, MACOUPIN, 9N, 8W														
PENNSYLVANIAN	410 1942	10	0.0	2.0	1	0	0	0	34	S	5	PEN	56	
-----														
PLAINVIEW S, MACOUPIN, 8N, 8W														
PENNSYLVANIAN	444 1959	10	0.0	X	1	0	0	0	34	S	8	PEN	64	
-----														
POSEN, WASHINGTON, 3S, 2W														
TRENTON, ORO	3900 1952	50	2.7	111.3	4	0	0	1	37	L	25	A	ORO	395
-----														
POSEN N, WASHINGTON, 3S, 2W														
TRENTON, ORO	4015 1953	10	0.0	3.9	1	0	0	0	37	L	15	AC	ORO	411
-----														
POSEN S, WASHINGTON, 3S, 2W														
BENOIST, MIS	1255 1955	50	0.0	X	4	0	0	0	34	S	7	MIS	130	
-----														
POSEY, CLINTON, 1N, 2W														
CYPRESS, MIS	1105 1941	330	16.1	489.5	30	0	0	26		S	5	M	SIL	279
DEVONIAN	2675 1959	320			29	0	0	36	0.18	L	5	M		
-----														
POSEY E, CLINTON, 1N, 2W														
DEV-SIL	2740 1952	470	21.7	621.9	27	0	0	23	38	L	8	DEV	280	
-----														
POSEY W, CLINTON, 1N, 3W														
DEVONIAN	2585 1954	10	0.0	0.8	1	0	0	0	37	L	15	DEV	260	
-----														
PRENTICE +, MORGAN, 16N, 8W														
PENNSYLVANIAN	270 1953	30	0.0	0.0	3	0	0	0	30	S	10	ORO	151	
-----														
PYRAMID, WASHINGTON, 2S, 1W														
DEVONIAN	3109 1962	100	0.0	44.1	6	0	0	1	36	S	6	DEV	325	
-----														
*RACCOON LAKE, MARION, 1N, 1E														
CYPRESS, MIS	1625 1949	380	10.1	3407.0	47	0	0	14		S	10	0	SIL	353
BENOIST, MIS	1715 1957	240			18	0	0	37		S	15	OL		
OMARA, MIS	1885 1949	20			2	0	0			L	5	OC		
SPAR MTN, MIS	1930 1949	190			1	0	0			L	5	OC		
MCCLOSKEY, MIS	1950 1949	#			11	0	0	36		S	12	OC		
DEV-SIL	3330 1951	#			13	0	0	36		L	10	OC		
-----														
*RALEIGH, SALINE, 7-8S, 6E														
TAR SPRINGS, MIS	2235 1953	630	7.7	2242.9	54	2	0	12		S	20	A	MIS	324
CYPRESS, MIS	2550 1953	240			2	0	0	35		S	12	A		
PAINT CREEK, MIS	2738 1958	450			39	0	0	34		S	5	A		
-----														

(CONTINUED ON NEXT PAGE)



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year			
(CONTINUED FROM PREVIOUS PAGE)												
*RALEIGH, SALINE, 7-8S, 6E												
AUX VASES, MIS		2905 1953	100			10	2	0		38	S	5 A
OMARA, MIS		3054 1959	50			1	0	0			L	3 A
SPAR MTN, MIS		3025 1957	#			2	0	0		38	LS	10 A
MCCLOSKEY, MIS		3045 1974	#			1	0	0			OL	4
*RALEIGH S +, SALINE, 8S, 5-6E												
		1955	390	18.7	1176.9	34	0	0	11			MIS 345
WALTERSBURG, MIS		2046 1959	60			4	0	0		39	S	10
BETHEL, MIS		2739 1958	10			1	0	0		37	S	8
AUX VASES, MIS		2860 1955	310			31	0	0		40	S	16
MCCLOSKEY, MIS		2960 1974	10			1	0	0			OL	13
RAYMOND, MONTGOMERY, 10N, 4-5W												
POTTSVILLE, PEN		590 1940	60	0.4	30.0	10	0	0		3 35	0.22	8 10 ML OEV 204
*RAYMOND E, MONTGOMERY, 10N, 4W												
PENNSYLVANIAN		595 1951	60	0.4	31.1	5	0	0		2 34		S 10 MIS 100
RAYMOND S, MONTGOMERY, 10N, 4W												
UNNAMED, PEN		603 1959	10	0.0	0.0	1	0	0		0 34		8 6 PEN 68
RESERVOIR, JEFFERSON, 1S, 3E												
		1950	330	10.9	581.5	20	0	0	10			MC MIS 321
SPAR MTN, MIS		2443 1959	320			2	0	0			S	7 M
MCCLOSKEY, MIS		2700 1950	#			18	0	0		37	L	6 MC
SALEM, MIS		3034 1961	10			1	0	0		39	L	12 M
*RICHVIEW, WASHINGTON, 28, 1W												
CYPRESS, MIS		1500 1946	750	90.2	2847.8	82	0	1		64 39		8 12 AL MIS 329
RIOGWAY, GALLATIN, 8S, 8E												
		1946	20	0.0	0.1	2	0	0	0			MC MIS 293
PALESTINE, MIS		1730 1955	10			1	0	0		30	8	18 ML
MCCLOSKEY, MIS		2840 1946	10		0.1	1	0	0		38	L	6 MC
ABO 1946, REV 1955, ABO 1956												
RIFFLE, CLAY, 4N, 6E												
SPAR MTN, MIS		2735 1948	80	0.0	80.9	5	0	0		0 36		L 7 MC MIS 284
ABO 1961												
RINARO, WAYNE, 2N, 7E												
MCCLOSKEY, MIS		3145 1937	10	0.0	7.0	1	0	0		0 39		L 5 AC MIS 328
ABO 1942												
RINARO N, WAYNE, 2N, 7E												
		1952	300	5.1	361.0	22	1	0	9			M MIS 395
SPAR MTN, MIS		3135 1960	290			1	0	0			L	6 MC
MCCLOSKEY, MIS		3140 1952	#			20	0	0		39	L	5 MC
SALEM, MIS		3561 1976	10			1	1	0			L	25
ABO 1967												
RINARO S, WAYNE, 1N, 6E												
SPAR MTN, MIS		3268 1965	10	0.0	0.8	1	0	0		0 39		L 4 MIS 334
ABO 1966												
RITTER, RICHLAND, 3N, 10-11E												
STE, GEN, MIS		3215 1950	110	2.0	263.0	6	0	0	1	38		L 5 MIS 392
ABO 1960, REV 1961												
*RITTER N, RICHLAND, 3N, 11E												
		1951	180	0.0	161.3	11	0	0	0			MIS 328
OHARA, MIS		3203 1960	180			1	0	0		39		L 6
SPAR MTN, MIS		3215 1952	#			8	0	0			L	6
MCCLOSKEY, MIS		3205 1951	#			3	0	0			L	5
ABO 1967												
RIVERTON S, SANGAMON, 15N, 4W												
SILURIAN		1590 1965	40	1.6	89.2	3	0	0		3 38		0 8 SIL 167

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County Location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of dis- covery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. fur °API (%)	Pay zone Kind of rock, avg. thickness in feet, structure	Deepest test Zone	Depth (ft)
				During 1976	To end of 1976	Com- pleted to end of 1976	Com- ple- ted in 1976	Aban- doned 1976	Pro- ducing end of year				
<b>ROACHES, JEFFERSON, 2S, 1E</b>													
		1938	180	0,0	620,2	13	0	0	1				
BENOIST, MIS	2000		10			3	0	0	38	S	X	AL	OEV 384
OHARA, MIS	2170		170			3	0	0	37	L	5	AC	
SPAR MTN, MIS	2190	1938	#			8	0	0	37	L	12	AC	
MCCLOSKEY, MIS	2250	1938	#			6	0	0	37	L	4	AC	
<b>*ROACHES N, JEFFERSON, 2S, 1E</b>													
		1944	420	3,8	1118,3	35	0	0	2				
BENOIST, MIS	1925	1944	420			32	0	0	37	S	7	A	TRN 499
SPAR MTN, MIS	2115	1944	60			4	0	0	34	L	8	AC	
TRENTON	4852	1962	10			1	0	0	42	L	44		
<b>ROBY, SANGAMON, 15N, 3W</b>													
SILURIAN	1775	1949	370	10,5	366,1	25	0	0	14	38	L	5	MU SIL 190
ABO 1951, REV 1954													
<b>ROBY E, CHRISTIAN, SANGAMON, 15N, 2-3W</b>													
		1970	1220	132,5	978,0	85	7	4	57				SIL 192
DEVONIAN	1757	1971	10			1	0	0		S	2		
SILURIAN	1840	1970	1220			85	7	4		L	20		
<b>ROBY N, SANGAMON, 16N, 3W</b>													
SILURIAN	1699	1962	50	0,0	19,0	4	0	0	0	38	L	4	TRN 230
ABO 1964, REV 1971, ABO 1973													
<b>ROBY W, SANGAMON, 15N, 3W</b>													
MIBBARD, DEV	1655	1957	20	0,5	5,6	3	0	0	2	37	S	5	MU TRN 225
ABO 1963, REV 1967													
<b>*ROCHESTER ++, WABASH, 2S, 13W</b>													
		1948	380	7,6	2545,3	51	0	3	19				M MIS 281
PENNSYLVANIAN	1300	1948	230			23	0	1	32	S	16	MCF	
WATERSBURG, MIS	1940	1948	220			29	0	2		S	20	ML	
<b>*ROLAND C +, WHITE, GALLATIN, 5-7S, 8-9E</b>													
		1939	11140	508,4	57235,7	975	3	9	336				A DEV 526
PENNSYLVANIAN	1410	1954	30			6	0	0	36	S	10	A	
OEGONIA, MIS	2065		40			4	0	0	35	S	7	A	
CLORE, MIS	1993	1947	90			6	0	0	36	S	4		
PALESTINE, MIS	2085	1946	40			4	0	0	34	S	2	A	
WALTERSBURG, MIS	2200		1870			121	0	1	31	S	15	AL	
TAR SPRINGS, MIS	2300	1940	720			49	0	1	35	S	15	AL	
HARDINSBURG, MIS	2550	1940	1910			153	0	0	37	S	20	AL	
GOLCONDA, MIS	2505	1955	10			1	0	0	35	S	5	A	
CYPRESS, MIS	2700	1943	2470			158	0	3	36	S	15	AL	
PAINT CREEK, MIS	2800	1945	2290			38	0	0	37	S	12	AL	
BETHEL, MIS	2800		#			87	0	1	37	S	12	AL	
AUX VASES, MIS	2880	1945	4340			269	0	4	39	S	13	AL	
OHARA, MIS	3020	1943	2500			28	0	0	36	OL	6	AC	
SPAR MTN, MIS	3050	1945	#			31	0	0	38	L	6	AC	
MCCLOSKEY, MIS	3070	1939	#			106	2	1	38	L	6	AC	
ST. LOUIS, MIS	0		50			5	0	1	37	L	X	AC	
SALEM, MIS	4089	1966	30			3	0	0	38	L	19		
ULLIN	4050	1967	20			2	0	0	38	L	4		
<b>ROLAND W, SALINE, 7S, 7E</b>													
AUX VASES, MIS	2935	1950	10	0,0	22,3	1	0	0	0	40	S	15	ML MIS 316
ABO 1959													
<b>ROSE MILL, JASPER, 8N, 9E</b>													
MCCLOSKEY, MIS	2695	1966	10	0,0	7,3	1	0	1	0	39	L	10	MIS 305
ABO 1976													
<b>*RUARK, LAWRENCE, 2N, 12-13W</b>													
		1941	480	11,0	2627,9	54	0	1	20				A MIS 244
PENNSYLVANIAN	1600	1941	380			42	0	1	33	S	10	AL	
BETHEL, MIS	2075		90			8	0	0	36	S	11	AL	
AUX VASES, MIS	2145		30			3	0	0	37	S	7	AL	
OHARA, MIS	2275	1954	10			1	0	0	37	L	5	AC	
<b>*RUARK W C, LAWRENCE, 2N, 13W</b>													
		1947	730	14,5	1484,5	65	0	0	29				M MIS 311
WALTERSBURG, MIS	1780	1947	50			7	0	0	38	S	10	ML	
CYPRESS, MIS	2165	1952	10			1	0	0	35	S	9	ML	

(CONTINUED ON NEXT PAGE)

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepeat test	
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-pleted in 1976	Aban-doned 1976	Pro-duc-ing end of year			Gr. fur-API (%)	Kind of rock, avg. thickneas in feet, atructure
	Name and age									Depth (ft)			
(CONTINUED FROM PREVIOUS PAGE)													
*RURK W C, LAWRENCE, 2N, 13W													
BETHEL, MIS		2220 1948	580			45	0	0		36	S	20 ML	
OHARA, MIS		2350 1952	290			4	0	0			L	5 MC	
SPAR MTN, MIS		2390	#			2	0	0			L	5 MC	
MCCLOSKEY, MIS		2400 1950	#			18	0	0		38	L	3 MC	
*RURAL MILL N, HAMILTON, 5S, 5E													
		1949	120	4.5	216.1	9	1	0		1		M MIS 430	
CYPRESS, MIS		2930 1956	110			8	1	0		35	S	10 ML	
SPAR MTN, MIS		3325 1949	10			1	0	0		37	L	8 MC	
SALEM, MIS		3860 1976	20			1	1	0			L	35	
ABO 1950,REV 1956,ABO 1969,REV 1976													
RUSHVILLE, SCHUYLER, 2N, 1W													
DEV-SIL		743 1966	10	0.0	0.0	1	0	0		0	37	L 22 TRN 97	
ABO 1969													
RUSHVILLE NW, SCHUYLER, 2N, 2W													
SILURIAN		669 1960	30	0.0	0.5	3	0	1		0	36	L 3 AC TRN 103	
ABO 1976													
RUSSELLVILLE GAS +, LAWRENCE, 4-5N, 10-11W													
MCCLOSKEY, MIS		1560 1937	10	0.0	12.4	2	0	0		0	35	L 7 AC DEV 313	
ABO													
RUSSELLVILLE W, LAWRENCE, 2N, 11W													
SPAR MTN, MIS		1565 1955	10	0.0	2.0	1	0	0		0	37	L 22 MIS 164	
ABO 1957													
*ST, FRANCISVILLE, LAWRENCE, 2N, 11W													
BETHEL, MIS		1845 1900	950	X	X	89	0	0		36	32	S 6 ML MIS 246	
SEE LAWRENCE COUNTY DIVISION FOR PRODUCTION													
*ST, FRANCISVILLE E, LAWRENCE, 2N, 11W													
PENNSYLVANIAN		1941	450	4.1	723.4	39	0	0		17		A MIS 196	
WALTERSBURG, MIS		1260 1954	60			6	0	0		30	S	8 AL	
HARDINSBURG, MIS		1300	10			1	0	0		37	S	6 AL	
CYPRESS, MIS		1460 1950	40			3	0	0		35	S	6 AL	
BETHEL, MIS		1605	60			3	0	0		36	S	15 AL	
SPAR MTN, MIS		1750 1941	320			25	0	0		40	0.21	8 20 A	
		1822 1963	10			1	0	0		36	L	5	
*ST, JACOB, MADISON, 3N, 6W													
TRENTON, ORO		2260 1942	1050	31.7	4094.6	55	0	0		28	40 0.23	L 17 A PC 501	
ST, JACOB E, MADISON, 3N, 6W													
MADON, DEV		1840 1955	10	0.0	1.1	1	0	0		0	23	S X U ORO 260	
ABO 1957													
*ST, JAMES, FAYETTE, 5-6N, 2-3E													
GOLCONDA, MIS		1938	2280	158.4	20390.2	263	0	0		140		A OEV 347	
CYPRESS, MIS		1555	10			1	0	0		34	L	15 A	
BENDIST, MIS		1580 1938	1900			200	0	0		37	0.31	S 16 A	
SPAR MTN, MIS		1746 1959	10			1	0	0		36	S	8 A	
CARPER, MIS		1860 1954	100			10	0	0		38	L	16 A	
		3070 1961	670			52	0	0		37	S	35 A	
ST, PAUL, FAYETTE, 5N, 3E													
BENDIST, MIS		1941	380	9.3	1023.0	36	0	1		19		A OEV 357	
SPAR MTN, MIS		1900 1941	240			18	0	1		34	0.23	S 9 A	
CARPER, MIS		2080	10			1	0	0		38	L	6 A	
		3288 1963	290			19	0	0		36	S	8 28	
*STE, MARIE, JASPER, 5N, 10-11E, 14W													
STE, GEN, MIS		2900 1941	1210	17.2	2055.4	72	0	0		11	37	0.14 L 8 AC MIS 347	
STE, MARIE E, JASPER, 6N, 14W													
ST, GEN, MIS		2685 1949	70	2.2	30.3	8	0	0		1	38	L 10 MC MIS 319	
ABO 1951, REV 1966													
STE, MARIE W, JASPER, 5-6N, 10E													
		1949	400	5.4	449.9	20	0	0		13		M MIS 322	

(CONTINUED ON NEXT PAGE)

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone		Deepest test		
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API (%)	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)		
(CONTINUED FROM PREVIOUS PAGE)																
STE, MARIE W, JASPER, 5-6N, 10E																
	AUX VASES, MIS	2720 1949	10			1	0	0		37	S	25	ML			
	MCCLOSKEY, MIS	2615 1949	400			20	0	0		40	L	6	MC			
*SAILOR SPRINGS C, CLAY, EFFINGHAM, JASPER, 3-6N, 6-8E																
		1938	50	684.0	57359.7	6	2	0	640				A	OEV	448	
	TAR SPRINGS, MIS	2340 1941	810			58	4	0		37	0.17	S	12	A		
	GLEN DEAN, MIS	2390 1943	10			1	0	0		38		L	8	A		
	JACKSON, MIS	2550 1976	10			1	1	0				S	10			
	CYPRESS, MIS	2550 1942	9890			722	11	4		38	0.28	S	12	A		
	BETHEL, MIS	2740 1946	710			42	3	0		37		S	20	A		
	AUX VASES, MIS	2625 1942	2520			181	7	6		37		S	13	A		
	OMARA, MIS	2900 1947	8010			17	1	0		37		OL	6	A		
	SPAR MTN, MIS	2900 1945	#			190	13	2		33		LS	8	A		
	MCCLOSKEY, MIS	2925 1938	#			337	6	4		40		OL	8	A		
	ST LOUIS, MIS	3310 1967	50			6	2	0		39		L	11	A		
SAILOR SPRINGS E, CLAY, 4N, 8E																
		1944	180	1.1	82.4	15	0	0	1				O	MIS	361	
	CYPRESS, MIS	2695 1944	110			10	0	0		36		S	8	O		
	MCCLOSKEY, MIS	3020 1955	50			5	0	0		37		L	7	O		
	SALEM, MIS	3550 1967	20			1	0	0		38		L	6			
	ABO 1952, REV 1955, ABO 1956, REV 1960, ABO 1961, REV 1966															
SAILOR SPRINGS N, CLAY, 4N, 8E																
		1948	80	0.0	4.8	5	0	0	0				M	MIS	312	
	SPAR MTN, MIS	2985 1948	80			3	0	0				L	2	MC		
	MCCLOSKEY, MIS	3030	#			4	0	0		37		L	2	MC		
	ABO 1949, REV 1950, ABO 1951, REV 1955, ABO 1956, REV 1957, ABO 1960															
*SALEM C, MARION, JEFFERSON, 1-2N, 1S, 1-2E																
		1938	13630	2800.7	363406.6	2864	1	18	1296				A	PC	921	
	BENOIST, MIS	1780 1938	10830			623	0	1		37		S	40	A		
	AUX VASES, MIS	1825	7590			822	0	3		37	0.21	S	40	A		
	OMARA, MIS	2075	9550			2	0	0		37		L	3	A		
	SPAR MTN, MIS	2100	#			151	0	0		37		LS	15	A		
	MCCLOSKEY, MIS	2050	#			892	3	4		35		L	17	A		
	ST. LOUIS, MIS	2100	200			18	0	1		37		L	4	A		
	SALEM, MIS	2160 1939	1390			277	0	2		37		L	17	A		
	DEVONIAN	3440 1939	6000			658	0	10		42	0.28	L	40	A		
	TRENTON, ORD	4500 1941	1920			151	0	1		37		L	50	A		
SAMSVILLE, EDWARDS, 1N, 11E																
	WALTERSBURG, MIS	2420 1942	70	0.0	1.0	5	1	0	2	38		S	7	A	MIS	330
	ABO 1952, REV 1974															
*SAMSVILLE N, EDWARDS, 1N, 14W																
	BETHEL, MIS	2900 1945	200	0.0	259.2	16	0	2	0	38		S	6	A	MIS	404
	ABO 1976															
SAMSVILLE NW, EDWARDS, 1N, 10E																
		1955	20	0.0	4.2	2	0	0	0					MIS	334	
	OMARA, MIS	3190 1955	10			1	0	0		38		L	4			
	SPAR MTN, MISS	3301 1970	10			1	0	0				L	10			
	ABO 1956, REV 1970, ABO 1972															
SAMSVILLE W, EDWARDS, 1N, 10E																
		1951	90	4.2	181.4	7	2	0	3					MIS	401	
	OMARA, MIS	3260 1951	90			3	0	0		40		L	6			
	SPAR MTN, MIS	3275	#			2	0	0				L	6			
	MCCLOSKEY, MIS	3275	#			3	1	0		38		L	6			
	SALEM, MIS	3850 1976	10			1	1	0				L	85			
SANDOVAL, MARION, 2N, 1E																
		1909	500	50.3	6173.9	154	0	1	10				O	STP	502	
	CYPRESS, MIS	1400 1909	20			1	0	0		37		S	10	O		
	BENOIST, MIS	1540 1909	480			124	0	0		35		S	20	O		
	GENEVA, OEV	2920	240			28	0	1		38	0.38	O	9	R		
	REV 1975															
SANDOVAL W, CLINTON, 2N, 1W																
	CYPRESS, MIS	1420 1946	10	0.0	26.3	1	0	0	0	37		S	4	A	MIS	160
	ABO 1960															
SANTA FE, CLINTON, 1N, 3W																
	CYPRESS, MIS	955 1944	10	0.0	1.5	1	0	0	0	34		S	10	A	OEV	254
	ABO 1947															



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. fur API (%)	Pay zone Kind of rock, avg. thickness in feet, structure	Deepest test				
				During 1976	To end of 1976	Com-pleted to end of 1976	Com-ple-ted in 1976	Aban-doned 1976	Pro-duc-ing end of year			Zone	Depth (ft)			
	Depth (ft)															
SICILY, CHRISTIAN, 13N, 4W																
-----																
SILURIAN																
		1860	1956	70	0.0	69.4	6	0	0	0	39	L	16	SIL	188	
				ABO	1967											
*SIGGINS, CUMBERLAND, CLARK, 10-11N, 10-11E, 14W																
-----																
			1906	4430	X	X	1124	0	0	446				TRN	334	
1ST(UP)SIGGINS,PEN		400		4430			895	0	0		36	S	25	O		
2ND(LO)SIGGINS,PEN		460		#			95	0	0		36	S	X	O		
3RD,4THSIGGINS,PEN		580		#			209	0	0		37	S	40	D		
TRENTON, ORO		3013	1972	10			1	0	0		40	L	67			
SEE CLARK COUNTY DIVISION FOR PRODUCTION																
SILAM, BROWN, 2S, 4W																
-----																
SILURIAN																
		603	1959	280	2.8	236.5	26	0	1	12	37	O	4	AC	STP	111
*SORENTO C, BOND, 6N, 4W																
-----																
			1938	700	2.0	1926.7	58	0	0	5				A	TRN	268
PENNSYLVANIAN		570	1956	80			6	0	0		31	S	20	A		
LINGLE, OEV		1875	1938	640			52	0	0		35	S	8	A		
SORENTO W, BOND, 6N, 4W																
-----																
DEVONIAN																
		1880	1956	10	0.0	0.0	1	0	0	0	37	L	X	ORO	270	
				ABO	1956											
SPARTA +, RANDOLPH, 4-5S, 5-6W																
-----																
CYPRESS, MIS																
		850	1888	20	0.0	X	2	0	0	0	35	S	7	O	TRN	313
				ABO	1900											
SPARTA S, RANDOLPH, 5S, 5W																
-----																
CYPRESS, MIS																
		880	1949	10	0.0	0.0	1	0	0	0	35	S	8	A	MIS	90
				ABO	1950											
SPRINGERTON S, WHITE, 4S, 8E																
-----																
SPAR MTN, MIS																
		3440	1976	10	4.9	4.9	1	1	0	1		S	9		MIS	350
SPRINGFIELD E, SANGAMON, 15N, 4W																
-----																
			1960	230	2.9	326.2	22	0	0	6				R	SIL	170
HIBBARD, OEV		1625	1960	10			1	0	0		37	S	4	D		
SILURIAN		1600	1960	220			22	0	0		39	O	12	R		
*STAUNTON +, MACOUPIN, 7N, 7W																
-----																
PENNSYLVANIAN																
		515	1952	30	0.2	4.1	2	0	0	1	35	S	11	A	ORO	237
*STAUNTON W, MACOUPIN, 7N, 7W																
-----																
PENNSYLVANIAN																
		505	1954	260	5.3	113.9	26	0	0	15	35	S	10		SIL	151
STEWARSON, SHELBY, 10N, 5E																
-----																
			1939	330	25.7	897.5	28	0	1	23				A	OEV	341
AUX VASES, MIS		1945	1939	330			27	0	1		38	O,18	S	9	A	
SPAR MTN, MIS		2021	1958	70			5	0	0		37	S	4	A		
STEWARSON E, SHELBY, 9-10N, 6E																
-----																
			1963	30	0.7	17.9	3	0	0	2					MIS	228
AUX VASES, MIS		2177	1963	10			1	0	0		38	S	6			
SPAR MTN, MIS		2197	1963	30			3	0	0		37	S	6			
STEWARSON W, SHELBY, 10N-5E																
-----																
BENOIST, MIS																
		1920	1970	10	0.0	0.0	1	0	0	0		S	5		MIS	210
				ABO	1971											
STIRITZ, WILLIAMSON, 8S, 2E																
-----																
				110	10.9	150.1	7	3	0	7					MIS	275
BETHEL, MIS		2470	1976	40			2	2	0			S	4			
AUX VASES, MIS		2525	1971	70			5	1	0			S	6			
*STORMS C +, WHITE, 5-6S, 9-10E																
-----																
			1939	4680	278.5	20430.1	435	2	3	174				AM	OEV	517
PENNSYLVANIAN		1320	1954	330			9	0	0		29	S	10	A		

(CONTINUED ON NEXT PAGE)

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Pay zone	Deepest test	
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. fur API (%)	Sul- (%)		Kind of rock, avg. thickness in feet, structure	Zone
(CONTINUED FROM PREVIOUS PAGE)														
*STORMS C +, WHITE, 5-6S, 9-10E														
BIEM, PEN		1840 1951	#			16	0	0		35	S	4	AF	
DEGONIA, MIS		2090 1954	180			13	0	0		35	S	7	AL	
CLORE, MIS		2100 1954	250			30	0	0		35	S	10	AL	
PALESTINE, MIS		2150 1941	70			6	0	0		35	S	12	AL	
WALTERSBURG, MIS		2230 1939	2690			246	0	1		32	0,28 S	15	AL	
TAR SPRINGS, MIS		2340 1946	300			28	0	0		37	S	10	MF	
HARDINSBURG, MIS		2476 1959	20			2	0	0		37	S	9	MF	
CYPRESS, MIS		2700 1946	330			22	0	1		34	S	10	MF	
BETMEL, MIS		2810	40			4	0	0		37	S	X	MF	
RENAULT, MIS		2990	20			2	0	0		39	L	5	A	
AUX VASES, MIS		3000 1946	1020			76	0	1		35	S	13	AF	
OMARA, MIS		3095	290			9	2	0		35	L	10	AC	
SPAR MTN, MIS		3115 1950	#			9	0	0		34	L	2	AC	
MCCLOSKEY, MIS		3055	#			8	0	0			L	5	MC	
SALEM, MIS		3738 1966	10			1	0	0			L	6		
*STRINGTOWN, RICHLAND, 4-5N, 11E, 14W														
STE, GEN, MIS		3025 1941	550	0,0	1608,6	37	0	0	0	40	0,24 OL	8	AC	MIS 365
					ABO 1975									
STRINGTOWN E, RICHLAND, 4N, 14W														
MCCLOSKEY, MIS		3010 1948	10	0,0	2,0	1	0	0	0	37	L	4		MIS 317
					ABO 1950									
STRINGTOWN S, RICHLAND, 4N-14W														
SPAR MTN, MIS		3117 1970	30	0,0	0,2	3	0	2	0		S	8		MIS 318
					ABO 1976									
STURBLEFIELD S +, BOND, 4N, 3W														
PENNSYLVANIAN		1955	70	2,8	3,6	6	1	0	4					DEV 245
CYPRESS, MIS		540 1974	40			3	0	0			S	15		
DEVONIAN		985 1955	10			1	0	0		35	S	4		
		2185 1963	20			2	1	0		37	L	8		
					ABO 1956, REV 1963, ABO 1965, REV 1974									
SUMNER, LAWRENCE, 4N, 13W														
MCCLOSKEY, MIS		2260 1944	20	0,0	15,7	2	0	0	0	39	L	4	MC	MIS 236
					ABO 1953									
SUMNER CEN, LAWRENCE, 4N, 13W														
SPAR MTN, MIS		2544 1966	10	0,0	0,0	1	0	0	0	37	L	5		MIS 310
					ABO 1968									
SUMNER S +, LAWRENCE, 3N, 13W														
AUX VASES, MIS		2620 1964	60	0,0	0,0	4	0	0	0	36	S	8		MIS 299
					ABO 1969									
SUMPTER, WHITE, 4S, 9E														
DEGONIA, MIS		1945	360	25,3	382,2	25	2	0	13			A		OEV 550
CLORE, MIS		2140 1975	10			1	0	0			S	5		
TAR SPRINGS, MIS		2195 1975	10			1	0	0			S	5		
HARDINSBURG, MIS		2575 1945	280			19	2	0		37	S	18	AF	
CYPRESS, MIS		2655 1951	10			1	0	0		36	S	14	AF	
OMARA, MIS		2860 1948	70			5	1	0		37	S	15	AF	
		3222 1960	10			1	0	0		36	L	6	A	
*SUMPTER E, WHITE, 4-5S, 10E														
CYPRESS, MIS		1951	1610	52,9	2665,3	98	0	0	39			A		MIS 339
BETMEL, MIS		2795	220			18	0	0		37	S	16	AL	
AUX VASES, MIS		2922 1960	20			2	0	0		35	S	12	A	
OMARA, MIS		3020 1952	420			27	0	0		39	S	15	AL	
SPAR MTN, MIS		3115 1951	1110			44	0	0		36	L	12	AC	
MCCLOSKEY, MIS		3140 1952	#			18	0	0		36	L	4	AC	
		3150	#			3	0	0		33	L	5	AC	
*SUMPTER N, WHITE, 4S, 9E														
AUX VASES, MIS		1952	280	16,1	651,6	20	2	0	10					OEV 550
MCCLOSKEY, MIS		3185 1952	240			16	0	0		37	S	3	NL	
ULLIN, MIS		3312 1974	10			1	0	0			OL	4		
		4230 1975	30			3	2	0			L	30		
*SUMPTER S, WHITE, 4-5S, 9E														
TAR SPRINGS, MIS		1948	250	28,3	862,5	29	0	1	8					MIS 343
BETMEL, MIS		2580 1948	120			13	0	0		34	S	8	AF	
		3025	10			1	0	0		35	S	15	AF	

(CONTINUED ON NEXT PAGE)

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone		Oil production (H bbl)		Number of wells				Character of oil		Pay zone		Deepest test		
	Name and age	Year of discovery	Area proved in acres	During 1976	To end of 1976	Com-pleted to end of 1976	Com-ple- in 1976	Aban- doned 1976	Pro- ducing end of year	Gr. fur *API (%)	Sul- fur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
															Depth (ft)
(CONTINUED FROM PREVIOUS PAGE)															
*SUMPTER S, WHITE, 4-5S, 9E	AUX VASES, MIS	3260	210			16	0	1		37	S	10	AF		
SUMPTER W, WHITE, 4S, 9E	AUX VASES, MIS	3165	1952	20	1.7	22.9	2	0	0	1	37	S	5	NL MIS 333	
ARO 1964, REV 1969															
TAMAROA +, PERRY, 4S, 1W	CYPRESS, MIS	1120	1942	340	7.3	433.7	22	1	0	10				TRN 428	
	TRENTON, ORD	4135	1964	230			17	1	0	30	0.12	S	13	AL	
				110			6	0	0	38		L	40		
*TAMAROA S, PERRY, 4S, 1W	CYPRESS, MIS	1155	1957	250	8.6	307.5	20	0	0	12	28	S	7	MIS 138	
TAMAROA W, PERRY, 4S, 2W	CYPRESS, MIS	1100	1956	20	0.0	2.5	3	0	0	1	34	S	5	OEV 290	
TAYLOR HILL, FRANKLIN, 5S, 4E	OHARA, MIS	3055	1949	40	0.5	81.9	5	0	0	0				MIS 409	
	ULLIN, MIS	3940	1961	40			3	0	0	37		L	4		
				30			2	0	0	38		L	15		
ARO 196A															
TEUTOPOLIS, EFFINGHAM, 8N, 6E	SPAR MTN, MISS	2402	1966	160	2.9	128.8	10	0	0	9				MIS 284	
	MCCLOSKEY, MIS	2530	1967	150			10	0	0			L	5		
	ST LOUIS, MIS	2570	1967	#			1	0	0	38		OL	4		
				40			3	0	0	39		L	4		
TEUTOPOLIS S, EFFINGHAM, 8N, 6E	SPAR MTN, MIS	2477	1968	50	0.5	19.0	3	0	0	2				MIS 295	
	MCCLOSKEY, MIS	2535	1968	50			2	0	0			S	4		
				#			2	0	0			OL	5		
*THACKERAY, HAMILTON, 5S, 7E	CYPRESS, MIS	3030	1944	830	24.5	4337.5	74	0	0	29				OEV 561	
	AUX VASES, MIS	3360	1944	20			2	0	0	36		S	24	A	
	OHARA, MIS	3435	1946	760			67	0	0	37		S	15	AL	
	MCCLOSKEY, MIS	3500	1946	120			1	0	0			L	5	AC	
				#			6	0	0	37		L	10	AC	
THOMPSONVILLE, FRANKLIN, 7S, 4S	OHARA, MIS	3110	1940	380	2.9	382.1	37	0	0	12				OEV 540	
	SPAR MTN, MIS	3190	1967	310			7	0	0			L	4		
	MCCLOSKEY, MIS	3200	1940	#			1	0	0			LS	4		
	ST LOUIS, MIS	3450	1967	80			19	0	0	8	38	0.16	L	10	A
				80			10	0	0	39		L	10		
ARO 1947, REV 1967															
*THOMPSONVILLE E, FRANKLIN, 7S, 4E	AUX VASES, MIS	3150	1949	180	6.9	606.5	14	0	0	1	38	S	8	ML MIS 337	
*THOMPSONVILLE N, FRANKLIN, 7S, 4E	CYPRESS, MIS	2750	1944	870	23.4	3734.9	87	0	0	15				MIS 349	
	AUX VASES, MIS	3100	1944	20			1	0	0	37		S	10	AL	
				860			86	0	0	35		S	20	AL	
TILOEN, RANDOLPH, 4S, 5W	SILURIAN	2160	1952	610	53.5	4378.3	35	1	3	30	40	L	60	R ORD 309	
TILOEN N, ST CLAIR, WASHINGTON, RANDOLPH, 3-4S, 5-6W	SILURIAN	2014	1968	270	40.2	742.3	19	0	0	19	42	L	70	R ORD 281	
TOLIVER E, CLAY, 5N, 6-7E	CYPRESS, MIS	2510	1943	100	1.0	231.7	8	1	0	2				MIS 320	
			1955	10			1	0	0	36		S	14	M	

(CONTINUED ON NEXT PAGE)



TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery		Area proved in acres		Oil production (M bbl)		Number of wells				Character of oil		Pay zone		Deepest test			
						During 1976	To end of 1976	Com-pleted of 1976	Com-ple-ted in 1976	Aban-doned 1976	Pro-ducting end of year	Gr. fur %API	Sul- (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)			
	Name and age	Depth (ft)	Year of discovery	Year of discovery	Year of discovery												Year of discovery	Year of discovery	Year of discovery
(CONTINUED FROM PREVIOUS PAGE)																			
TOLIVER E, CLAY, 5N, 6-7E																			
AUX VASES, MIS		2740	1967	20				2	0	0		36	S	4					
SPAR MTN, MIS		2815		50				2	1	0		36	L	6	MC				
MCCLOSKEY, MIS		2840	1943	#				3	0	0		35	OL	8	MC				
TOLIVER S, CLAY, 4N, 6E																			
AUX VASES, MIS			1953	70	0,0	57,6		4	0	0		0					M	MIS	291
MCCLOSKEY, MIS		2765	1953	10		21,0		1	0	0		36	S				MC		
		2875	1956	60		37,0		3	0	0		34	L	5	MC				
ABO 1964																			
*TONTI, MARION, 2-3N, 2E																			
BENOIST, MIS			1939	570	116,0	13891,6		107	1	1		64					0	ORO	490
AUX VASES, MIS		1930	1939	140				18	1	0		36	S	20	0		0		
SPAR MTN, MIS		2005	1939	180				26	1	1		37	S	30	0		0		
MCCLOSKEY, MIS		2125		630				16	1	0			L3	12	0		0		
DEVONIAN		2130	1939	#				73	1	0		38	0,21	OL	15	0		0	
		3500		80				7	0	0		37	0	7	R				
TOVEY, CHRISTIAN, 13N, 3W																			
SILURIAN		1850	1955	10	0,0	28,0		1	0	0		0	38	L	10			SIL	188
ABO 1973																			
*TRUMBULL C, WHITE, 5S, 8-9E																			
PENNSYLVANIAN			1944	1500	79,8	3602,1		113	0	0		56					A	MIS	428
TAR SPRINGS, MIS		830	1974	10				1	0	0			S	12					
CYPRESS, MIS		2528	1962	30				2	0	0		35	S	5					
BETHEL, MIS		2845	1944	420				32	0	0		36	S	10	A				
AUX VASES, MIS		2955	1959	50				2	0	0		37	S	9	A				
OHARA, MIS		3170	1946	520				42	0	0		36	S	9	A				
SPAR MTN, MIS		3230		660				19	0	0		36	L	15	AC				
MCCLOSKEY, MIS		3270	1946	#				13	0	0			L	6	AC				
		3290	1947	#				19	0	0			L	5	AC				
*TRUMBULL N, WHITE, 4S, 8E																			
AUX VASES, MIS			1961	40	0,0	6,9		3	0	0		0						MIS	353
MCCLOSKEY, MIS		3325	1961	20				1	0	0		36	S	6					
		3466	1961	20				2	0	0		37	OL	16					
ABO 1966																			
TURKEY BEND, PERRY, 4S, 2W																			
TRENTON, ORO		3940	1957	10	1,4	49,7		1	0	0		1	39	L	1			ORO	404
*VALIER, FRANKLIN, 6S, 2E																			
AUX VASES, MIS			1942	110	3,4	102,0		6	0	0		2						MIS	290
MCCLOSKEY, MIS		2685	1963	100				5	0	0		39	S	7					
		2715	1942	10				1	0	0		39	L	12	ML				
ABO 1945, REV 1963																			
VERGENNES, JACKSON, 7S, 2W																			
DEVONIAN		3300	1975	60	2,9	4,7		4	0	0		4	39	L	10			ORO	709
VIROEN W, MACOUPIN, 12N, 7W																			
DEVONIAN		1361	1963	30	0,0	0,0		2	0	0		0	38	L	20			DEV	139
ABO 1971																			
WAGGONER *, MONTGOMERY, 11N, 5W																			
POTTSVILLE, PEN		610	1940	30	0,0	12,0		6	0	1		0	28	0,21	S	10		SIL	194
ABO 1949, REV 1959, ABO 1960, REV 1963, ABO 1964																			
WAKEFIELD, JASPER, 5N, 9E																			
SPAR MTN, MIS		3100	1946	40	0,0	1,7		2	0	0		0	38	L	5			MIS	320
ABO 1947, REV 1953, ABO 1954																			
WAKEFIELD N, JASPER, 5N, 9E																			
MCCLOSKEY, MIS		3000	1953	10	0,0	23,2		1	0	0		0	37	L	6			MIS	320
ABO 1958																			
WAKEFIELD S, RICHLAND, 5N, 9E																			
MCCLOSKEY, MIS		3040	1955	80	0,0	7,2		5	0	0		0	37	L	4			MIS	365
ABO 1955, REV 1969, ABO 1974																			

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil Gr. fur API (%)	Pay zone Kind of rock, avg. thickness in feet, structure	Deepest test Zone	Depth (ft)
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year				
*WALPOLE, HAMILTON, 6-7S, 6E													
		1941	2180	65.9	10454.2	133	0	1	59				
TAR SPRINGS, MIS		2465	110			7	0	0					DEV 532
AUX VASES, MIS		3070	2060			121	0	1	37	0.13	S	15	AL
SPAR MTN, MIS		3195	200			3	0	0			S	20	A
MCCLOSKEY, MIS		3162	#			10	0	0	37		L	7	AC
ST. LOUIS, MIS		3544	10			1	0	0	38		L	7	AC
WALPOLE S, HAMILTON, 7S, 6E													
AUX VASES, MIS		3120	40	0.0	123.3	2	0	0	0	37	S	6	AL
			480	1975									MIS 336
WALTONVILLE, JEFFERSON, 3S, 2E													
		1943	60	1.4	137.6	5	0	0	3				
BENOIST, MIS		2460	50			4	0	0					MIS 337
ST. LOUIS, MIS		2767	10			1	0	0	37	0.14	S	9	A
											L	14	A
*WAMAC, MARION, CLINTON, WASHINGTON, 1N, 1E, 1W													
		1921	310	0.0	692.3	119	0	1	1				
PETRO, PEN		720	300			117	0	0		36	S	20	OF
DEVONIAN		3015	10			1	0	1	38		L	9	OF
WAMAC E +, MARION, 1N, 1E													
ISABEL, PEN		845	140	0.1	49.3	11	0	0	4	30	S	15	ML
													DEV 340
*WAMAC W, CLINTON, 1N, 1W													
		1962	250	28.8	934.9	27	0	1	22				
CYPRESS, MIS		1312	120			14	0	0		35	S	8	
BENOIST, MIS		1466	130			13	0	1	36		S	12	DEV 305
WAPPELLA E, DEWITT, 21N, 3E													
		1962	350	134.4	2748.7	36	0	0	36				
DEVONIAN		1108	30			3	0	0		31	L	5	STP 221
SILURIAN		1112	350			36	0	0	31		O	6	R
*WARRENTON-BORTON, EOGAR, COLES, 13-14N, 13-14W													
UNNAMED, PEN		200	470	0.0	32.0	47	0	0	1	31	S	20	ML
													TRN 221
WATERLOO, MONROE, 1-2S, 10W													
TRENTON, ORD		410	160	0.7	238.7	42	1	1	3	30	0.97	L	50
													A
													PC 276
WATSON, EFFINGHAM, 7N, 5-6E													
		1957	30	0.8	59.0	3	0	0	1				
SPAR MTN, MIS		2415	30			2	0	0			S	5	MIS 264
MCCLOSKEY, MIS		2434	#			1	0	0	38		L	11	
WATSON W, EFFINGHAM, 7N, 5E													
AUX VASES, MIS		2208	10	0.8	11.8	1	0	0	1	39	S	12	MIS 231
WAVERLY +, MORGAN, 13N, 8W													
DEV-SIL		1020	20	0.0	0.0	1	0	0	0				
													L
													10
													A
													ORO 207
WEAVER, CLARK, 11N, 10W													
		1949	530	22.0	2354.0	42	0	2	24				
COLE, MIS		1565	30			1	0	0		30	S	5	R
DEVONIAN		2030	500			40	0	2	37		L	10	D
													R
*WEST FRANKFORT C, FRANKLIN, 7S, 2-3E													
		1941	1680	76.5	7274.9	149	0	4	56				
TAR SPRINGS, MIS		2060	680			70	0	2	39	0.13	S	20	A
AUX VASES, MIS		2710	400			35	0	1	38		S	20	AL
OMARA, MIS		2760	850			44	0	0	38		L	8	AC
SPAR MTN, MIS		2810	#			6	0	0			L	8	AC
MCCLOSKEY, MIS		2825	#			21	0	1	38		L	14	AC

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone	Year of discovery		Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil	Pay zone	Deepest test	
					During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year				
	Name and age	Depth (ft)	Year	Area	During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone
*****														
WEST SEMINARY, CLAY, 2N, 7E														
		1959	320	0,0	819,9	29	0	0	2			MC	MIS	319
AUX VASES, MIS		2972 1959	230			18	0	0		37	S	10	MC	
SPAR MTN, MIS		3059 1959	290			3	0	0			L	6	MC	
MCCLOSKEY, MIS		3068 1959	#			14	0	0		38	OL	12	MC	
*****														
WESTFIELD, CLARK, COLES, 11-12N, 11E-14W														
		1904	9710	X	X	1840	6	0	246			0	STP	300
GAS, PEN		280	1340			234	2	0		28	S	25	O	
WESTFIELD, MIS		335	8830			35	4	0		32	L	X	O	
CARPER, MIS		875	580			28	0	0		38	S	18	O	
TRENTON, ORO		2300	1710			87	0	0		38	0,18	L	40	O
SEE CLARK COUNTY DIVISION FOR PRODUCTION														
*****														
WESTFIELD E +, CLARK, 11-12N, 14W														
PENNSYLVANIAN		400 1947	310	3,3	6,9	44	0	0	31	28	S	11	ML	MIS 79
*****														
WESTFIELD N, COLES, 12N, 14W														
		1949	20	0,0	0,4	2	0	0	0				PEN	61
PLEASANTVIEW, PEN		275 1949	20		0,4	1	0	0		28	S	5		
PENNSYLVANIAN		490 1949	#			1	0	0			S	10		
ABO 1957														
*****														
WHITEASH, WILLIAMSON, B3, 2E														
		1972	70	3,9	20,4	5	2	1	4				MIS	265
AUX VASES, MIS		2464 1973	60			4	2	1			S	12		
OHARA, MIS		2532 1972	20			2	0	0			L	8		
*****														
WHITTINGTON, FRANKLIN, 5S, 3E														
		1939	1020	71,4	2643,7	76	1	2	47				A	OEV 481
HAROINSBURG, MIS		2310 1948	430			28	0	0		38	S	10	A	
CYPRESS, MIS		2535	240			16	0	1		35	S	10	A	
BETHEL, MIS		2612 1961	60			3	0	0		38	S	4	A	
AUX VASES, MIS		2735	120			11	0	0		38	S	15	A	
OHARA, MIS		2835	400			13	0	1		37	L	10	AC	
SPAR MTN, MIS		2880	#			7	1	0			L	10	AC	
MCCLOSKEY, MIS		2870 1939	#			7	1	0		38	0,24	L	9	AC
ST. LOUIS, MIS		3080 1939	40			5	1	0		38	0,24	L	6	AC
*****														
WHITTINGTON S, FRANKLIN, 5-6S, 3E														
CYPRESS, MIS		2580 1950	120	2,7	472,0	10	0	0	10	35	S	10	A	MIS 304
*****														
WHITTINGTON W, FRANKLIN, 5S, 2-3E														
		1943	670	0,0	1571,2	38	0	0	2				A	MIS 353
BENOIST, MIS		2615 1949	10			1	0	0		36	S	10	AL	
RENAULT, MIS		2700 1956	480			21	0	0		37	L	X	A	
AUX VASES, MIS		2700 1944	180			13	0	0		38	S	15	AL	
OHARA, MIS		2800 1943	110			5	0	0			L	5	AC	
SPAR MTN, MIS		2780 1947	#			2	0	0			L	4	AC	
MCCLOSKEY, MIS		2900	#			3	0	0		38	L	6	AC	
*****														
WILBERTON, FAYETTE, 5N, 2-3E														
		1959	1070	42,5	1750,1	58	0	1	36				ORO	452
BORDEN, MIS		2628 1963	10			1	0	0		35	S	38		
CARPER, MIS		3203 1961	1060			46	0	1		37	S	39		
LINGLE, OEV		3466 1959	60			5	0	0		28	S	4		
*****														
WILLIAM C, JEFFERSON, 2-3B, 2E														
		1948	490	13,9	1370,1	45	0	0	32				A	OEV 457
BENOIST, MIS		2490 1949	230			17	0	0		39	S	10	AL	
AUX VASES, MIS		2550 1949	400			29	0	0		37	S	5	AL	
MCCLOSKEY, MIS		2600	10			1	0	0		37	L		AC	
*****														
WOBURN C, BONO, 6-7N, 2W														
		1940	1430	24,5	4500,8	136	0	4	50				A	ORO 327
CYPRESS, MIS		865 1950	310			20	0	1		35	S	8	AL	
BENOIST, MIS		1020 1940	340			38	0	3		36	0,20	S	10	AL
RENAULT, MIS		1047 1958	10			1	0	0		36	L	X	AL	
AUX VASES, MIS		1055 1956	140			5	0	0		36	S	10	AL	
LINGLE, OEV		2275 1949	720			56	0	0		35	S	8	AC	
TRENTON, ORO		3170 1947	320			19	0	0		39	0,27	L	12	A

TABLE 8. Illinois oil field statistics, 1976 - continued

Field, County location by township and range (*Secondary recovery - see Part II, p. 71-130)	Pay zone  Name and age	Year of discovery	Area proved in acres	Oil production (M bbl)		Number of wells				Character of oil		Deepest test				
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976	Producing end of year	Gr. fur API (%)	Sul- fur (%)	Kind of rock, avg. thickness in feet, structure	Pay zone	Depth Zone	Depth (ft)	
<b>*WOODLAWN, JEFFERSON, 2-3S, 1-2E</b>																
		1940	1900	68,3	18135,2	194	0	0	75				A	ORO	510	
TAR SPRINGS, MIS		1440	30			3	0	0	35		S	X	AL			
CYPRESS, MIS		1800	180			3	0	0	37		S		10	AL		
BENOIST, MIS		1960	1860			175	0	0	37	0,16	S		25	A		
AUX VASES, MIS		1979	270			24	0	0	38		S		10	A		
SPAR MTN, MIS		2205	240			15	0	0	38		S		15	A		
MCCLOSKEY, MIS		2200	#			1	0	0			L		3	A		
LINGLE, DEV		3690	70			11	0	0	37		S		6	A		
<b>XENIA, CLAY, 2N, SE</b>																
		1941	120	0,0	46,7	8	0	0	3				A	DEV	474	
AUX VASES, MIS		2785	10			1	0	0	35	0,19	S		13	A		
CARPER, MIS		4230	110			7	0	0	38		S		12			
<b>XENIA E. CLAY, 2N, SE</b>																
		1951	300	11,6	901,7	29	0	0	12				A	MIS	462	
CYPRESS, MIS		2500	260			13	0	0	37		S		6	AL		
BENOIST, MIS		2710	110			9	0	0	35		S		6	AL		
RENAULT, MIS		2755	20			2	0	0	35		S		15	AL		
AUX VASES, MIS		2741	30			3	0	0	35		S		10	A		
<b>YALE, JASPER, 8N, 11E</b>																
		1966	40	1,2	4,9	4	0	0	2					MIS	239	
SPAR MTN, MIS		2070	40			1	0	0			L		10			
MCCLOSKEY, MIS		2140	#			3	0	0	37		L		6			
<b>*YORK, CUMBERLAND, CLARK, 9-10N, 10-11E, 14W</b>																
ISABEL, PEN		590	1907	410	X X	79	1	0	10	31	S		15	AM	DEV	264
SEE CLARK COUNTY DIVISION FOR PRODUCTION, ABO 1945, REV 1950																
<b>*ZEIGLER, FRANKLIN, 7S, 2E</b>																
AUX VASES, MIS		2614	1963	350	25,4	2061,3	34	0	0	33	37	S		19	MIS	303
<b>ZENITH, WAYNE, 2N, SE</b>																
		1948	50	0,0	24,6	5	0	0	2					MIS	360	
MCCLOSKEY, MIS		2970	40			4	0	0	38		L		7	AC		
ST LOUIS, MIS		3088	10			1	0	0			L		6			
ABO 1956, REV 1969, ABO 1970, REV 1973																
<b>*ZENITH E, WAYNE, 1N, 6E</b>																
SPAR MTN, MIS		3170	1965	250	5,2	529,0	14	0	0	11	37	L		10	MIS	351
<b>*ZENITH N, WAYNE, 2N, 6E</b>																
		1951	440	43,7	1361,2	32	0	1	19				N	MIS	393	
SPAR MTN, MIS		3080	1951	280		15	0	0	38		L		6	NC		
MCCLOSKEY, MIS		3140	1951	#		6	0	0			L		4	NC		
SALEM, MIS		3634	1972	230		15	0	1			L		6	NC		
<b>ZENITH S, WAYNE, 1N, SE</b>																
		1949	300	0,0	765,9	15	0	0	0				M	MIS	382	
OMARA, MIS		2920	300			2	0	0			L		6	MC		
MCCLOSKEY, MIS		2985	1949	#		13	0	0	37		L		7	MC		
ABO 1966, REV 1967, ABO 1970																

Production, location unknown

581,2

TOTALS

604,610 26,272.2 3,052,814 66,631 771 598 23,621

TABLE 9. Illinois gas field statistics, 1976

Field: N, North; S, South; E, East; W, West; C, Consolidated.  
 Fields located in two or more counties have county names listed in order of discovery.

Age: Pc, Precambrian; Cam, Cambrian; Ord, Ordovician; Shk, Shakopee; St. P, St. Peter; Trn, Trenton; Sil, Silurian; Dev, Devonian; Mis, Mississippian; Pen, Pennsylvanian.

Kind of rock: D, dolomite; L, limestone; LS, sandy limestone; S, sandstone.

Abd: Field abandoned. Rev: Field revived.

Structure: A, anticline; D, dome; F, faulting an important factor in gas accumulation; f, faulting a minor factor in gas accumulation; L, lens; M, monocline; R, reef; X, structure not determined. Combinations of the letters are used where more than one factor applies.

\* Correct figure not determinable.  
 \* Field also listed in table 8 (oil production).  
 †† Gas storage project.

Field; county; location by township and range	Pay zone Name and age	Year of discovery Depth (ft)	Area proved in acres	Gas production million cu ft		Number of wells			Producing end of year	Pay zone Kind of rock, average thickness in feet, structure	Deepest test	
				During 1976	To end of 1976	Completed to end of 1976	Completed in 1976	Abandoned 1976			Zone	Depth (ft)
Albion C*; Edwards, White; 3S; 10E												
	Pennsylvanian	1,490	1940	50	0	0	0	0	0	0	S 6 MF	Dev 5,185
Alhambra; Madison; 5N; 6W												
	Pennsylvanian	600	1974	20	0	0	1	0	0	0	S 6 X	Sil 2,005
Ashmore E*; Edgar; 13N; 14W												
	Pennsylvanian	367	1973	10	0	0	1	0	0	0	S 22 X	Mis 1,880
Ashmore S*††; Clark, Coles; 12N; 10-11E, 14W												
	Unnamed, Pen	430	1958	460	0	*	23	0	0	0	S A	Trn 2,260
	Osage, Mis	385	1963	440			22				S x A	
				20			1				S x X	
Ava-Campbell Hill*; Jackson; 7S; 3-4W												
	Cypress, Mis	780	1916	370	0	*	20	0	0	0	S 18 A	Trn 3,582
					Abd 1943; rev (oil) 1956; abd 1957							
Ayers Gas; Bond; 6N; 3W												
	Benoist, Mis	940	1922	325	0	298.7	21	0	0	0	S 5 A	Ord 3,044
					Abd 1950							
Beaver Creek N*; Bond; 4N; 2W												
	Benoist, Mis	1,132	1965	40	0	0	1	0	0	0	S x X	Dev 2,556
Beaver Creek NE Gas*††; Bond; 4N; 2W												
	Benoist, Mis	1,126	1961	70	0	*	7	0	0	0	S 5	Sil 2,487
Beaver Creek S*; Bond, Clinton; 3-4N; 2W												
	Cypress, Mis	1,015	1946	250	0	0	7	0	0	0	S 20 A	Sil 2,606
Beckemeyer Gas*; Clinton; 2N; 3W												
	Cypress, Mis	1,070	1956	90	0	0	2	1	0	0	S 23	Sil 2,730
	Benoist, Mis	1,155	1975	80			1				S 13	
				10	Abd 1958; rev 1975							
Bellair*; Crawford; 8N; 14W												
	Carper, Mis	1,772	1970	10	0	0	1	0	0	0	S 45	Dev 2,063
Beverly Gas; Adams; 3S; 5W												
	Silurian	450	1957	80	0	0	2	0	0	0	L 6 X	St. P 840
Black Branch E*; Sangamon; 15N; 4W												
	Silurian	1,695	1969	20	0	0	1	0	0	0	L 23	Sil 1,755
Boulder*; Clinton; 2-3N; 2W												
	Geneva, Dev	2,630	1941	320	0	0	4	0	0	0	D 7 R	Trn 3,813
					Abd 1965							

TABLE 9. Illinois gas field statistics, 1976 - continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pay zone			Deepest test		
	Name and age	Depth (ft)			During 1976	To end of 1976	Completed to end of 1976	Com- pleted in 1976	Aban- doned 1976	Pro- ducing end of year	Kind of rock, average thickness in feet, structure			Zone	Depth (ft)
Boulder E*; Clinton; 3N; 1W															
	Devonian	2,840	1957	80	0	0	2	0	0	0	L	12	X	Sil	2,946
					Abd 1957										
Carlinville*; Macoupin; 9N; 7W															
	Unnamed, Pen	365		60	0	0	6	0	0	0	S	x	A	Mis	1,380
					Abd 1925; rev 1942										
Carlinville N*; Macoupin; 10N; 7W															
	Pottsville, Pen	440	1941	40	0	0	1	0	0	0	S	10	X	Trn	1,970
					Abd 1954										
Carlyle*; Clinton; 2N; 3W															
	Cypress, Mis	1,015	1958	20	0	x	2	1	0	0	S	x	AL	St. P	4,120
Casey*; Clark															
	Casey, Pen	440		x	0	x	x	0	0	0	S	x	AM	Trn	2,608
Claremont; Richland; 3N; 14W															
	Spar Mtn, Mis	3,200	1950	160	0	0	1	0	0	0	L	5	MC	Mis	3,340
					Abd 1952										
Cooks Mills C* <sup>++</sup> ; Coles, Douglas; 14N; 7-8E															
			1941	950	0	1,895.4	23	0	0	0			A	Dev	3,059
	Cypress, Mis	1,600		680			14				S	10	A		
	Aux Vases, Mis	1,800		40			1				S	8	A		
	Spar Mtn, Mis	1,765		450			6				S	15	A		
Corinth S; Williamson; 9S; 4E															
	Hardinsburg, Mis	2,232	1970	60	0	147.4	4	0	0	0	S	4		Mis	2,823
Dubois C*; Washington; 3S; 1-2W															
	Cypress, Mis	1,220	1939	400	0	0	10	0	0	0	S	10	AL	Ord	4,217
Dudley*; Edgar; 14N; 13W															
	Pennsylvanian	300	1948	170	0	x	5	0	0	0	S	20	M	St. P	2,997
Dudley W Gas; Edgar; 13N; 13W															
	Gas, Pen	380	1953	130	0	0	4	0	0	0	S	11	X	Pen	478
Eden Gas <sup>++</sup> ; Randolph; 5S; 5W															
	Cypress, Mis	875	1962	1,000	0	0	15	0	1	0	S			Mis	2,377
Eldorado C*; Saline; 8S; 7E															
			1941	300	20.2	3,705.4	17	0	0	2			A	Mis	3,606
	Palestine, Mis	1,920		120			3				S	20	AL		
	Waltersburg, Mis	2,055		80			2				S	20	AL		
	Tar Springs, Mis	2,225		40			4				S	17	AL		
	Hardinsburg, Mis	2,353	1962	120			4				S	5			
	Cypress, Mis	2,460		80			2				S	20	X		
Eldorado E*; Saline; 8S; 7E															
			1953	120	37.3	943.0	10	0	0	2			A	Mis	3,666
	Palestine, Mis	1,900		80			5	0	0		S	30	AL		
	Tar Springs, Mis	2,135		20			5	0	0		S	20	AL		
	Cypress, Mis			10			1								
Eldorado W*; Saline; 8S; 6E															
	Palestine, Mis	1,923	1960	10	0	0	1	0	0	0	S	27	X	Mis	3,138

TABLE 9. Illinois gas field statistics, 1976 - continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pro- ducing end of year	Pay zone			Deepest test		
	Name and age	Depth (ft)			During 1976	To end of 1976	Completed to end of 1976	Com- pleted in 1976	Aban- doned 1976		Kind of rock, average thickness in feet, structure	Zone	Depth (ft)			
Fishhook Gas; Adams, Pike; 3-4S; 4-5W																
	Edgewood, Sil	450	1955	7,260	0	0	69	0	0	0	L	5	X	St. P	1,018	
Ficklin; Douglas; 16N; 8E																
	Spar Mtn, Mis	1,444	1966	40	0	0	1	0	0	0	S	20	X	Cam	5,301	
Freeburg* <sup>++</sup> ; St. Clair; 1-2S; 7W																
	Cypress	380	1956	700	0	x	29	0	0	0	S	30	X	Ord	2,008	
Gillespie-Benld (Gas) <sup>++</sup> ; Macoupin; 8N; 6W																
	Unnamed, Pen	540	1923	80	0	135.8	5	0	0	0	S	x	A	Pen	603	
						Abd 1935										
Gillespie W; Macoupin; 8N; 7W																
	Unnamed; Pen	525	1958	10	0	0	1	0	1	0	S	x	X	Pen	565	
						Abd 1976										
Grandview*; Edgar; 12-13N; 13W																
			1945	470	0	x	17	3	0	0				M	Ord	2,694
	Gas, Pen	400		430			16	3			S	x	ML			
	Salem, Mis	570		40			1	0			L	2	ML			
Greenville Gas*; Bond; 5N; 3W																
	Lindley (1st and 2nd), Mis	925	1910	180	0	990.0	4	0	0	0	S	x	A	Trn	3,184	
						Abd 1923; rev 1957; abd 1958										
Harco, Harco E, Harco S, and Raleigh S*; Saline; 8S; 5E																
	X, Mis	x	1954	x	18.4	2,354.2	x	0	0	1				Mis	3,424	
Harrisburg*; Saline; 8S; 6E																
	Tar Springs, Mis	2,085	1952	160	0	93.2	1	0	0	0	S	6	X	Mis	2,930	
						Abd 1971										
Herald C*; Gallatin, White; 6-8S; 9-10E																
			1939	1,080	4.8	x	19	0	0	1				A	Mis	4,096
	Anvil Rock, Pen	700		360			9				S	25	AL			
	Pennsylvanian	1,750		120			3				S	18	AL			
	Waltersburg, Mis	2,240		120			3				S	10	A			
	Tar Springs	2,315		480			4				S	6	AL			
Hutton*; Coles; 11N; 10E																
	Pennsylvanian	620	1965	80	0	0	2	0	0	0	S	x	X	Mis	969	
Inclose*; Clark, Edgar; 12N; 13-14W																
	Pennsylvanian	540	1941	400	0	x	15	1	0	0	S	12	X	Mis	1,600	
Jacksonville (Gas)*; Morgan; 15N; 9W																
	Gas, Pen, Mis	330	1910	1,320	0	x	45	0	0	0	LS	5	ML	Ord	1,390	
						Abd 1939										
Johnston City E; Williamson; 8S; 3E																
	Tar Springs, Mis	1,930	1965	80	55.3	880.6	4	0	0	3	S	10	X	Mis	2,997	
Kansas Gas; Edgar; 13N; 14N																
	Unnamed, Pen	410	1958	30	0	x	3	0	0	0	S	x	X	Mis	778	
Lawrence; Lawrence; 3N; 12W																
	McClosky, Mis	2,050	1975	10	0	0	1	0	0	0	L	x		Cam	9,261	

TABLE 9. Illinois gas field statistics, 1976 - continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pay zone			Deepest test			
	Name and age	Depth (ft)			During 1976	To end of 1976	Completed to end of 1976	Com- pleted in 1976	Aban- doned 1976	Pro- ducing end of year	Kind of rock, average thickness in feet, structure			Depth (ft)		
											Zone					
Livingston E; Madison; 6N; 6W																
	Pennsylvanian	540	1951	60	0	0	3	0	0	0	S	12	X	Mis	815	
Livingston S*; Madison; 6N; 6W																
	Pennsylvanian	530	1950	40	0	0	1	0	0	0	S	2	ML	Sil	1,735	
Louden* <sup>††</sup> ; Fayette; 7N; 3E																
			1937	1,760	0	×	14	0	0	0				A	Pc	8,616
	Burtschi, Pen	1,000		320			5				S	20	AL			
	Tar Springs, Mis	1,170		1,440			9				S	2	AL			
Main C*; Crawford, Lawrence; 5-8N; 10-14W																
			1906	×	×	×	×	0	1	0				M	St. P	5,317
	Robinson, Pen	1,000		×			×	0	1		S	×	ML			
	Hardinsburg, Mis	1,075		160			1	0	0		S	40	ML			
	Cypress, Mis	1,425		320			2	0	0		S	6	ML			
	Aux Vases, Mis	1,527	1959	60			6	0	0		S	8	ML			
Marion E*; Williamson; 9S; 3E																
	Aux Vases, Mis	2,406	1966	40	0	0	1	0	0	0	S	4	X	Mis	2,642	
Marissa W (Gas)*; St. Clair; 3S; 7W																
	Cypress, Mis	241	1960	60	0	×	7	0	0	0	S	25		Ord	2,413	
Mattoon*; Coles; 12N; 7E																
	Devonian	3,124	1948	890	1,198.5	5,928.1	29	1	2	20	L	4		St. P	4,915	
Mt. Olive*; Montgomery; 8N; 5W																
	Pottsville, Pen	605	1942	100	0	×	4	0	0	0	S	6	A	Sil	1,878	
New Athens Gas; St. Clair; 2S; 7W																
	Cypress, Mis	250	1961	250	0	0	10	6	1	0	S	13		Mis	400	
New Harmony C*; White, Wabash, Edwards; 1N; 1-5S; 13-14W																
	Pennsylvanian	764	1974	10	0	0	1	0	0	0	S	12		Shk	7,682	
New Hebron E*; Crawford; 6N; 12W																
	Robinson, Pen	866	1968	30	0	0	3	0	0	0	S	×	X	Mis	1,571	
Omaha*; Gallatin; 7-8S; 8E																
			1940	130	0	221.4	4	0	0	0				D	Dev	5,320
	Palestine, Mis	1,865	1973	10			1	0	0		S			D		
	Tar Springs, Mis	1,900	1940	120			3	0	0		S	15	D			
Panama*; Bond, Montgomery; 7N; 3-4W																
			1940	280	0	×	7	0	0	0				A	Dev	2,016
	Pennsylvanian	575		160			4				S	30	A			
	Benoist, Mis	865		120			3				S	12	A			
Pittsburg N Gas*; Williamson; 8S; 3E																
	Hardinsburg, Mis	2,151	1962	20	0	10.0	2	0	0	0	S	6		Mis	3,070	
Pittsfield (Gas); Pike; 5S; 4-5W																
	Niagaran, Sil	265	1886	8,960	0	×	68	0	0	0	L	10	A	Pc	2,226	
					Abd 1930											
Plainview*; Macoupin; 8N; 8W																
	Pennsylvanian	441	1961	20	0	0	2	0	0	0	S	20	X	Pen	563	



TABLE 9. Illinois gas field statistics, 1976 - continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pay zone			Deepest test		
	Name and age	Depth (ft)			During 1976	To end of 1976	Completed to end of 1976	Com- pleted in 1976	Aban- doned 1976	Pro- ducing end of year	Kind of rock, average thickness in feet, structure		Zone	Depth (ft)	
Prentice*; Morgan; 16N; 8W															
	Pennsylvanian	260	1953	290	0	0	7	0	0	0	S	15	X	Ord	1,513
Raleigh*; Saline; 8S; 6E															
	Waltersburg, Mis	2,307	1962	50	18.3	539.9	2	0	0	1	S	7	X	Mis	3,249
Redmon N; Edgar; 14N; 13W															
	Pennsylvanian	365	1955	50	0	0	2	0	0	0	S	3	X	Mis	450
Richwood (Gas) <sup>++</sup> ; Crawford; 6N; 11W															
	Pennsylvanian	612	1959	160	0	28.6	4	0	0	0	S	9	X	Pen	1,001
Roland C*; Gallatin; 7S; 8E															
	Waltersburg, Mis	2,150	1940	160	0	0	1	0	0	0	S	19	AL	Dev	5,266
Russellville Gas*; Lawrence; 4-5N; 10-11W															
			1937	1,800	0	7,081.6	60	0	0	0			A	Dev	3,133
	Bridgeport, Pen	760		x		x	18			0	S	15	AL		
	Buchanan, Pen	1,100		x		x	42				S	12	AL		
					Abd 1949										
St. Libory; St. Clair; 1S; 6W															
			1964	240	0	0	7	0	0	0				Sil	1,997
	Cypress, Mis	622	1965	40			1				S	11	X		
	Benoist, Mis	754	1964	40			1				S	22	X		
	Aux Vases, Mis	825	1964	120			4				S	10	X		
	Silurian			120			3				L		X		
Spanish Needle Creek (Gas); Macoupin; 9N; 7W															
	Unnamed, Pen	305	1915	80	0	14.4	7	0	1	0	S	x	D	Trn	2,070
					Abd 1934										
Sparta*; Randolph; 4-5S; 5-6W															
	Cypress, Mis	850	1888	160	0	x	18	0	0	0	S	7	D	Trn	3,130
					Abd 1900										
Staunton (Gas)*; Macoupin; 7N; 7W															
	Unnamed, Pen	460	1916	400	0	1,050.0	18	0	0	0	S	x	A	Ord	2,371
					Abd 1919										
Stirtz*; Williamson; 8S; 2E															
	Tar Springs, Mis	1,951	1971	10	13.2	61.4	1	0	0	1	S	14		Mis	2,756
Storms C*; White; 5-6S; 9-10E															
			1939	440	0	x	9	0	0	0			A	Dev	5,174
	Gas, Pen	1,090		170			2				S	40	Af		
	Waltersburg, Mis	2,230		280			7				S	15	AL		
Stubblefield S*; Bond; 4N; 4W															
			1962	220			9	0	0	3				Dev	2,455
	Pennsylvanian	590	1971	10							S	x	X		
	Cypress, Mis	920	1962	210	190.5	290.5					S	x	X		
Sumner S (Gas); Lawrence; 3N; 13W															
	Aux Vases, Mis	2,566	1959	40	0	0	2	0	0	0	S	10		Mis	2,990
Tamaroa*; Perry; 4S; 1W															
	Cypress, Mis	1,120	1942	20	0	0	2	0	0	0	S	13	AL	Trn	4,287
Tilden N Gas <sup>++</sup> ; Washington, St. Clair; 3S; 5-6W															
	Cypress, Mis	780	1961	x	0	x	x	0	0	0	S	25		Ord	2,810

TABLE 9. Illinois gas field statistics, 1976 - continued

Field; county; location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells			Pro- ducing end of year	Pay zone			Deepest test		
	Name and age	Depth (ft)			During 1976	To end of 1976	Completed to end of 1976	Com- pleted in 1976	Aban- doned 1976		Kind of rock, average thickness in feet, structure	Zone	Depth (ft)			
Waggoner*; Montgomery; 11N; 5W																
	Pottsville, Pen	523	1959	10	0	0	1	0	0	0	S	2	X	Sil	1,945	
Wamac E* <sup>++</sup> ; Marion; 1N; 1E																
	Petro, Pen	856	1958	90	0	x	9	0	0	0	S	x	M	Dev	3,405	
Waverly* <sup>++</sup> ; Morgan; 13N; 8W																
			1946	900	0	0	8	0	0	0				A	Ord	2,070
	Pennsylvanian	250		160			1				S	13	AL			
	Devonian	1,000		700			6				L	10	A			
	Trenton, Ord	1,513	1963	40			1				L	x	X			
Westfield E*; Clark; 12N; 14W																
	Pennsylvanian	400	1947	60	0	0	3	0	0	0	S	11	ML	Mis	795	
Totals for Illinois (estimated)				36,090	1,556.4	26,679.1	766	11	7	34						

## Part II. Waterflood Operations

T. F. Lawry

### SUMMARY OF SECONDARY RECOVERY OPERATIONS

During 1976, 10 new waterfloods were reported. Information for these new projects is included in table 11 and is summarized in tables 10, 12, 13, and 14, along with current information for older waterfloods, active and abandoned. Among the new waterfloods, 6 were less than 2 years old; the remainder were older than 2 years, including 1 that was classified "adjacent to active waterflood."

There were 12 waterfloods abandoned during 1976, some of which were abandoned at an earlier date but were first reported during 1976. The waterflood project in Odin field, operated from 1949 to 1962, was reactivated in 1976.

Nineteen project numbers were dropped because data were combined under a single project number for 2 or more separate pay zones in the same project. There was no loss of data or lumping of data, but a rearrangement of data in pay order.

The 10 new waterflood projects brought 2,169 pay acres into the classification "acreage under waterflood." Correction and re-evaluation of the area of older waterfloods and extensions added 2,097 pay acres. Total pay acreage under waterflood is now 405,089 acres. Pressure maintenance area remains at 5,378 acres. Total pay area subject to secondary recovery is 410,467 acres or 52.4 percent of the total productive area in Illinois of 783,065 pay acres.

Secondary recovery oil was calculated to be 16,810,700 barrels in 1976. Waterfloods accounted for 16,607,900 barrels or 63.2 percent of the total oil production, 26,272,151 barrels; pressure maintenance projects yielded 202,800 barrels or 0.8 percent of the total oil production.

### EXPLANATION OF TABLES

Table 10, "Project Numbers by County and Summary of Waterflood Projects in 1975," lists the counties having waterflood activity, the range of county numbers, and includes the number and status of projects in each county.

Table 11, "Waterflood Operations in Illinois, 1976," is a summary of the data for each secondary recovery project, active and abandoned. Most of the data supplied by the operator are incorporated in this table. If no data are reported to the Illinois State Geological Survey for a project, an estimate of the information is made on the basis of past performance.

Table 12, "Illinois Waterfloods for 1976 by Counties," is a summary of waterflood data for each county. For those waterfloods that are located along county lines and extend into more than one county, the project is assigned to the county in which the larger areal portion is located. Data are tabulated as though the entire project were in that county.

Table 13, "Illinois Oil Fields Having Active Waterfloods During 1976," is a tabulation of statistics for those fields in which secondary recovery oil is being produced.

Table 14, "Summary of Waterflood Statistics 1949-1976," is a tabulation of waterflood data, compiled on an annual basis, for the past 28 years.

#### USE OF FRESH WATER

Based on answers in the partial return of the waterflood questionnaire about fresh water usage for waterflood operations, the volume of fresh water usage declined to approximately 20 to 23 million barrels in 1976. Except for some minor usage of water from Pennsylvanian sands, this fresh water is taken from the alluvial valley of the Wabash River or its tributaries.

#### TERTIARY RECOVERY

Marathon Oil Company and the Federal Energy Research and Development Administration entered into a contract on September 30, 1976, for a cost-sharing test of the micellar-polymer flooding process in Main Consolidated field, Crawford County. Marathon will manufacture the micellar material at its refinery in Robinson. The process will be applied in the Robinson sand (Pennsylvanian), at a depth of 750 to 1100 feet in a test area covering 407 acres. The es-

timated potential of tertiary crude oil is 2.5 million barrels. The spacing pattern presently contemplated consists of 250 acres of 2.5 acre five-spot patterns and 157 acres of 5.0 acres five-spot patterns. The project was completely developed at the time the contract was signed.

#### CONCLUSIONS

During 1976 there were 233 permits issued for injection of water into pay zones. If all of the work were completed for which permits were issued, 168 permits were for injection wells newly drilled or converted to injection in older waterfloods, 60 injection permits for apparently new, unreported waterfloods, 2 for reported waterfloods, and 3 for tertiary recovery.

The continued decline in percentage of oil produced by secondary recovery methods seems to be an indirect measure of the new oil being found by continued exploratory drilling in the state. Many waterfloods are still in operation beyond what would have been their economic limit in pre-1973. If no new oil were being found, the percentage of total oil representing waterflood production should have increased rather than decreased in 1976.

#### ABBREVIATIONS

The following abbreviations have been used in tables 10 through 14:

abd - abandoned	incl - includes, including, included
adj - adjusted	inj - injection
coop - cooperates, cooperating	op - operator
cum - cumulative	prev - previous
disc - discontinued	prim - primary
est - estimate, estimated	prod - production
excl - excludes, excluding, excluded	temp - temporary, temporarily
form - formerly	

TABLE 10. Project numbers by county and summary of waterflood projects in 1976

Range of county numbers	County	Active water-floods	Active pressure maintenance	Abandoned	Total
001 - 007	Bond	4	0	3	7
100 - 106	Christian	7	0	0	7
200 - 231	Clark	8	0	20	28
300 - 383	Clay	44	0	40	84
400 - 420	Clinton	14	1	6	21
500 - 523	Coles	11	0	13	24
589 - 698	Crawford	60	0	47	107
700 - 708	Cumberland	5	0	3	8
800 - 802	Douglas	0	0	3	3
900 - 906	Edgar	5	0	0	5
1000 - 1040	Edwards	21	1	16	38
1100 - 1121	Effingham	18	0	4	22
1200 - 1255	Fayette	47	0	8	55
1300 - 1344	Franklin	28	0	15	43
1400 - 1453	Gallatin	28	0	26	54
1500 - 1578	Hamilton	27	0	48	75
1900 - 1927	Jasper	13	0	15	28
2000 - 2029	Jefferson	15	1	13	29
2200 - 2293	Lawrence	92	0	27	119
2300 -	Macon	0	0	1	1
2400 -	Macoupin	1	0	0	1
2500 - 2509	Madison	7	0	3	10
2600 - 2640	Marion	28	0	11	39
2900 -	Montgomery	0	0	1	1
3100 - 3101	Perry	2	0	0	2
3400 - 3447	Richland	24	0	24	48
3600 - 3627	Saline	16	0	11	27
3800 - 3802	Shelby	3	0	0	3
3849 - 3999	Wabash	81	0	60	141
4000 - 4023	Washington	22	0	2	24
4059 - 4199	Wayne	80	0	56	136
4200 - 4442	White	141	0	100	241
4501 - 4505	Williamson	5	0	0	5
	Totals	857	3	576	1,436

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Location S - T - R	Water injection		Oil production		Water production		
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76	
AB LAKE W, GALLATIN											
*1417 COY OIL CO		AB LAKE WEST UNIT	WALTERSBURG	30,31-AS-10E		1091		184*		526*	
*1421 COY OIL CO		AB LAKE WEST UNIT	AUX VASES	30,31-AS-10E		219		*		*	
*1452 PAUL S, KNIGHT		GOLDEN-CONN	WALTERSBURG	29,31,32-8S-10E		400*		70*		400*	
AOEN C, HAMILTON, WAYNE											
4158 FAIRFIELD OIL CO		SW FAIRFIELD UNIT	AUX VASES	22-2S-7E		1610		1,2	134	8	764
4181 LOEB & MITCHELL		NORTH AOEN UNIT	AUX VASES	28,32,33-2S-7E/	460**	15620**	22,8**	1436**	460**	23574**	
			MCCLOSKEY	4,5-3S-7F		18860**					
*4101 TEXACO, INC.		AOEN SOUTH	AUX VASES	8,9,16,17,20-3S-7E		6138		1050		8418*	
*4102 TEXACO, INC.		AOEN SOUTH	MCCLOSKEY	8,9,16,17,20-3S-7E		4506		660		*	
AOEN S, HAMILTON											
*1521 H, WEINERT EST.		SOUTH AOEN UNIT	AUX VASES	29,30-3S-7E		2477		17*			
			SPAR MTN								
			MCCLOSKEY								
AKIN, FRANKLIN											
*1310 C, E, BREHM		LARIO TRUSTEE A U	AUX VASES	36-6S-4E		109		*			
1311 C, E, BREHM		AKIN SE U	AUX VASES	25-6S-4E	75	2341	1,7	257			
1317 C, E, BREHM		U S COAL & COKE	CYPRESS	23-6S-4E	13	129		42	13*	320*	
1321 C, E, BREHM		U S STEEL	AUX VASES	26-6S-4E	25	589	3,2	133	20*	285*	
1327 FARRAR OIL CO.		AKIN UNIT	AUX VASES	35-6S-4E	10*	340**	2,3*	66*	10*	128**	
ALBION C, EDWARDS, WHITE											
1001 ACME CASING		SOUTH ALBION U BIEHL	BIEHL	1,2-3S-10E	80*	3395*	7,3*	506*	80*	2309*	
*1011 ACME CASING		S ALBION L BIEHL U	BIEHL	1-3S-10E/35,36-2S-10E		3226		704		2367	
1002 NICK BABARE		H,WICK	BRIDGEPORT	24-2S-10E	140*	2625*	7,0*	146*	140*	2012*	
			WALTERSBURG								
			OHARA								
*4201 CONCHO PET, CO.		NORTH CROSSVILLE UNIT	CYPRESS	27,34,35-3S-10E		3620		313		1270	
*4202 CONCHO PET, CO.		N CROSSVILLE U	TAR SPRINGS	34,35-3S-10E		666		58		69	
*1014 CONTINENTAL OIL		STAFFORD	MCCLOSKEY	13-2S-10E		625		43		637	
*1038 DELTA OIL CORP.		HORTON-WORKS	MCCLOSKEY	13-2S-10E		2000*		126**		2050*	
*1015 FIRST NATL PET		BROWN	AUX VASES	6-2S-11E							
1006 GETTY OIL CO		SW ALBION BIEHL SO U	BIEHL	2,11,14-3S-10E	460	21022	21,1	1685	392	11015	
1026 J&M OIL CO		MAXWELL-MOSSBARGER	BETHEL	15-3S-10E	75*	434*	3,7*	34*	75*	434*	
4200 MOBIL OIL CORP.		BIEHL U 1	BIEHL	22,27-3S-10E	229	9280	4,6	1346	70	3842	
4308 MOBIL OIL CORP.		W GRAYVILLE U	BETHEL	23-3S-10E	232	2704	10,5	401	74	829	
			AUX VASES								
1005 BERNARD POOLSKY		ALBION E U	AUX VASES	1-2S-10E/6-2S-11E	160	1936	5,7	149	98	1024	
1035 HK PET, CORP.		RK EAST ALBION UNIT	AUX VASES	6-2S-11E, 1-2S-10E	144*	1602*	5,4*	105*	72*	293*	
*1000 REBSTOCK OIL CO.		BIEHL U 2	BIEHL	14-3S-10E		4194		610		1215	
*1018 REBSTOCK OIL CO.		EAST ALBION UNIT	AUX VASES	36-1S-10E, 31-1S-11E		1754		198		469	
4321 J, W, RUOY ORLG.		ROBINSON	TAR SPRINGS	23-3S-10E	20*	184*	1,0*	12*	20*	138*	
			BETHEL								
4434 J, W, RUOY ORLG.		GRIESBAUM	CYPRESS	26-3S-10E	48*	198*	4,6*	21*	55*	194*	
			BETHEL								
			AUX VASES								
1012 SABER OIL CO		BUNTING LSE	OHARA	12-2S-10E	110*	1085*	7,2*	141**	110*	1085*	
1033 SABER OIL CO		ALBION U	AUX VASES	12-2S-10E/7,18-2S-11E	150*	2998	11,0*	341	150*	1046	
			OHARA								
1037 SO, TRIANGLE CO.		SOUTH ALBION WF	BETHEL	24,25-2S-10E	250*	871*	13,4*	75*	250*	324*	
1003 SUPERIOR OIL CO.		SOUTH ALBION SRPU 1	BIEHL	25,36-2S-10E	636	12251	12,2	1996	414	6349	
			WALTERSBURG	30,31-2S-11E							
1004 SUPERIOR OIL CO.		SOUTH ALBION UNIT 2	MANSFIELD	1,2,11,12-3S-10E	350	3340	19,4*	2036*	566*	16897*	
			BRIDGEPORT		302	8143					
			BIEHL		162	6448					
			WALTERSBURG			2305					
			AUX VASES			1326					
1032 SUPERIOR OIL CO.		WORKS UNIT	WALTERSBURG	18,19-2S-11E	46	695	3,5*	97*	32*	433*	
			BETHEL			174					
			AUX VASES			39					
			MCCLOSKEY			122					
1036 SUPERIOR OIL CO.		WILLET	WALTERSBURG	30-2S-11E	5	161	6,2	566	77	820	
*1030 TEXACO, INC.		BARNES EAST	WALTERSBURG	24-2S-10E		544*		33		537	
1039 TEXACO, INC.		G.WORKS	BETHEL	13-2S-10E	186	1331*	17,6	98*	186	1331*	
			AUX VASES								
			MCCLOSKEY								
*4353 P, O, WALL		GRAYVILLE WEST U	CYPRESS	22-3S-10E		219*		61*		265*	
1031 WARRIOR OIL CO.		E,ALBION WALT,SANO U.	WALTERSBURG	31-1S-14W/ 6-2S-14W	265	5772	4,0	276	29	2545	
ALBION EAST, EDWARDS											
1040 ZANETIS OIL PROP		ALBION EAST	CYPRESS	28-2S-14W	145*	710	47,8*	201	145*	670	
			BETHEL								
			OHARA								
ALLENOALE, LAWRENCE, WABASH											
3969 ASHLAND O AND R		FRIENOSVILLE COOP	BIEHL	30-1N-12W	103	4702	3,1	313	103	4273	
3902 BEULIGHANN ET AL		PRICE-ROBINSON	BIEHL	14-1N-12W	35*	407*	1,7*	34*	35*	366*	
*3865 JOHN BLEESOE, JR		HOVERMALE	BETHEL	36-2N-12W		64*		2*		12*	
*3971 T, W, GEORGE EST.		YOUNG WF	BETHEL	1-1N-12W		208*		*		*	
*3990 H AND H OIL CO		BUCHANAN	CYPRESS	33-1N-12W		367		44		26	
*3900 CECIL A, HAMMAN		GILLIATT-ALKA	BIEHL	13-1N-12W		2735		244			
*3869 ILLINOIS OIL CO.		FRENCH ET AL	BIEHL	32-2N-12W		39		10		5	
3899 ILLINOIS OIL CO.		PRICE HEIRS	BRIDGEPORT	2-1N-12W	30*	218*	1,4*	15*	30*	181*	
*3906 ILLINOIS OIL CO.		YOUNG	BIEHL	1-1N-12W		4547*		205**		1341**	
3996 ILLINOIS OIL CO.		SPARKS-PETER UNIT	BIEHL	36-2N-12W	25*	1096*	1,7*	76*	25*	1133*	
*3944 INO, FARM BUR.		WOODS 'C'	BIEHL	20-1N-12W		633		65		559	
*3992 INO, FARM BUR.		KEYSER 'B'	BIEHL	13-1N-12W		303		20		*	
*3898 JACK KENEIPP		HERSHEY-COGAN	BIEHL	35-2N-12W		9*					
			CYPRESS		20*	660*	1,4*	75**	20*	511**	
3966 JACK KENEIPP		COGAN	BIEHL	35-2N-12W	25*	1057*	1,3*	199*	25*	1892*	
			CYPRESS		20	269					
*3999 JACK KENEIPP		WALSER	TAR SPRINGS	2-1N-12W		26		5		6	
*3952 L AND M ORILLING		STANLEY PRICE	BIEHL	19-1N-12W		687		167		348	
3905 HERMAN LOEB		ALLENOALE(FLOOD 19)	BIEHL	3,4,9,10-1N-12W	550*	38059*	22,2*	2079*			

Field, County Project no.	Reservoir statistics (avg. value)				Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells Inj. Prod.	Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow Type: (F) = Fresh (B) = Brine (M) = Mixed		
<b>AB LAKE W, GALLATIN</b>												
*1417	2025	17.0	16.3	20	36.9	07-59	06-64	6	9	180	SM GRAV, PENN SD (F)	*INCL 1421
*1421	2150	10.0	16.3	27	37.1	07-59	06-64	1	2	30	SM GRAV, PENN SD (F)	*INCL WITH 1417
*1452	2000	15.0				05-64	12-71	2	5	90	PRODUCED (B)	*ESTIMATED
<b>ADEN C, HAMILTON, WAYNE</b>												
*158	3250	9.0	21.0	156	40.0	02-62		1	3	100	PENN SD, PROD (B)	*EST
*181	3150	12.0			36.0	01-64		10	11	1000	PENN SD, PROD (B)	*INCL BOTH PAYS
	3350	14.0			38.0	00 00		7	6	1000		*THRU 1975
*4101	3200	10.0	22.0	150	37.0	08-46	03-66	12	12	640	PRODUCED (B)	*INCL 4102
*4102	3350	3.6			37.0	08-46	03-66	11	5	640	PRODUCED (B)	*INCL WITH 4101
<b>ADEN S, HAMILTON</b>												
*1521	3245	21.0				03-64	04-70	4	10	150	PENN SD, PROD (B)	
	3335	10.0						4	10	150		
	3390	8.0						2	2	80		
<b>AKIN, FRANKLIN</b>												
*1310	3100	20.0				02-60	12-62	2	5	120	CYPRESS (B)	*NO W.F.OIL RECOVERED
*1311	3120	20.0	20.5	175	38.0	10-61		3	11	150	PENN SD, PROD (B)	
*1317	2840	15.0	13.0	90	34.0	05-62		2	6	80	PENN SD, PROD (B)	*ESTIMATED SINCE 1968
*1321	3100	16.0			38.0	06-65		1	4	60	PENN SD, PROD (B)	*ESTIMATED
*1327	3060	14.7			37.0	01-66		3	3	100	PENN SD, PROD (B)	*ESTIMATED) *8WD SINCE 1971
<b>ALBION C, EDWARDS, WHITE</b>												
1001	2075	18.0	20.0	200	33.4	12-55		2	7	110	PRODUCED (B)	*ESTIMATED
*1011	2040	9.2	16.8	384	32.3	04-51	01-72	2	7	120	PRODUCED (B)	
1002	1550	12.0				01-72		1	1	30	PRODUCED (B)	*ESTIMATED
	2380	12.0				01-72		1	2	40		
	3150	10.0				07-51		1	4	80		
*4201	2850	12.0	18.0		37.0	10-52	12-58	8	21	250	RIVER, PROD (M)	
*4202	2460	6.0	18.0		37.0	10-52	12-58	4	5	100	RIVER, PROD (M)	
*1014	3222	4.0	16.3	898	39.0	05-43	12-56	1	7	80	PRODUCED (B)	
*1038	3110	10.0				01-57	01-74	1	6	70	PRODUCED (B)	*EST +INCL PRIM SINCE 1-57
*1015	3005	21.0				04-52	07-55	1	1	30	HARVINGBURG (B)	
1006	1850	16.2	18.0	150	32.2	01-55		11	8	403	GRAVEL, PROD (M)	
1026	2980	8.0				06-62		1	1	30	PRODUCED (B)	*EST) OP SUSPENDED 1970-72
4200	1900	21.2	20.2	265	38.0	06-48		3	5	170	RIVER, PROD (M)	
4308	2930	19.0				02-68		5	11	160	SHALLOW SD, PROD (M)	
	3160	18.0						4	10	160		
1005	3050	25.0	15.0	25	41.0	03-68		4	5	90	PURCHASED (F)	
1035	3010	18.3				10-66		4	3	70	CITY WATER (F)	*ESTIMATED 1976
*1000	1900	30.0	19.3	303	35.8	09-50	01-72	2	5	50	RIVER, PROD (M)	
*1018	3000	14.3	18.0	13	37.5	11-59	12-67	6	5	340	PENN SD, PROD (B)	
4321	2434	10.0				06-69		1	1	40	PRODUCED (B)	*ESTIMATED 1976
	2932	10.0				11-69		1	2	30		
4434	2770	15.0				11-71		1	1	20	PRODUCED (B)	*1976 DATA ESTIMATED
	2950	15.0						2	4	60		
	3060	18.0						1	1	20		
1012	3230	8.0				11-66		1	1	30		*EST +INCL PRIM PROD
1033	3025	15.0	17.3	35	39.0	02-66		7	10	200	PENN SD, PROD (B)	*ESTIMATED
	3060	13.0						3	9	120		
1037	3000	8.0	15.0	13	36.0	02-72		4	4	100	PENN SAND (B)	*ESTIMATED
1003	2025	12.3	18.5	807	36.0	01-55		4	9	222	SM SD, PROD (M)	
	2400	7.1	18.6	74	36.0			2	5	325		
1004	1630	10.0	20.6	53	37.0	01-67		2	5	90	GRAVEL BED, PROD (M)	*INCL ALL PAYS
	1870	12.2	20.2			08-56		2	3	257		
	2050	15.8	18.2	338		08-56		1	1	80		
	2400		19.2			06-60	01-72	2	4	60		
	3050		20.6			08-56	01-67	7	8	170		
1032	2356	6.0	19.0	480	34.0	12-65		1	3	70	SM SD (F)	*INCL ALL PAYS
	2919	6.0	14.6	10		06-68		1	3	100		
	3040	5.0	15.8	53		01-68		3	2	50		
	3068	8.0	14.2	3003		01-68		1	9	200	PRODUCED (B)	
1036	2400	8.5	19.2	209	38.0	10-65		1	3	40	SM SD (F)	
*1030	2370	20.0			39.0	11-63	12-66	1	4	40	PRODUCED (B)	*3WD ONLY
1039	2970	8.0	13.0	22		11-69		1	1	30	PRODUCED (B)	*ESTIMATED
	3041	18.0	16.7	133				1	2	40		
	3110	33.0	15.0	205				1	1	30		
*4353	2850	12.0	17.0	50	38.0	05-62	01-71	4	5	225	BIHML, PROD. (B)	*ESTIMATED SINCE 1968
1031	2250	11.2	20.6	167	36.0	10-65		3	6	88	GRAV, PROD (M)	
<b>ALBION EAST, EDWARDS</b>												
1040	2770	15.0				09-72		1	2	40	PENN SAND, PROD (M)	*ESTIMATED 1976
	2890	10.0						3	8	160		
	3070	8.0						2	8	220		
<b>ALLENDALE, LAWRENCE, WABASH</b>												
3969	1600	15.0	14.2	335	33.0	10-60		1	2	90	PRODUCED (B)	
3902	1472	10.0	17.0		35.0	12-65		1	1	10	SM SD, PROD (M)	*ESTIMATED 1976
*3865	1948	30.0	18.7	77	36.4	02-65	01-72	1	1	20	SM SD, PROD (M)	*NO DATA 1966-69; INACTIVE 70-71
*3971	2020	15.0				01-58	04-63	2	2	40	GRAVEL BED (F)	*ESTIMATED) +INCL WITH 3906
*3990	2000	20.0	16.0	128	39.0	11-59	09-68	1	1	40	GRAVEL BED, PROD (M)	
*3900	1485	15.0	24.6	1066	32.5	11-54	09-68	5	3	35	SM SD, PROD (M)	
*3869	1575	8.0	17.0	40	36.0	05-65	01-70	1	1	10	SM SD (F)	
3899	1120	8.0	15.0	150	34.0	11-70		1	1	20	WELL (F)	*ESTIMATED
*3906	1375	15.0	17.0	150	36.0	01-58	1-75	8	10	120	SM SD, PROD (M)	*ESTIMATED) +INCL 3971
3996	1375	15.0	16.0	200	37.0	10-62		3	3	50	SM SD, PROD (M)	*ESTIMATED
*3944	1520	15.0			28.4	11-53	06-57	5	7	147	PRODUCED (B)	
*3992	1450	9.0			37.0	07-59	10-66	1	2	60	SM SD, PROD (M)	*INCL WITH 3964
*3898	1388	12.0				10-61	03-63	1	1	10	SM SD, PROD (M)	*ESTIMATED) +INCL BOTH PAYS
	1920	18.0				07-62		1	1	20		
3966	1380	18.0	18.0			06-60		2	3	18	SM SD, PROD (M)	*INCL JOROAN) +INCL ALL PAYS
	1920	10.0				09-61		2	4	18		
*3999	1553	11.0				07-62	10-64	1	1	20	SM SD, PROD (M)	
*3952	1520	20.0	18.0	450	33.0	11-54	01-60	1	3	40	SM WELL (F)	
3905	1465	15.0	17.7	390	35.7	06-55		21	18	307	GRAVEL BED (F)	*ESTIMATED

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Location S - T - R	Water injection		Oil production		Water production		
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76	
ALLENDALE, LAWRENCE, WABASH CONTINUED											
	3905	HERMAN LOEB		JORDAN							
	3871	O. LOEFFLER ESTATE, FRIENOSVILLE EAST U.		BIEHL	18,19-1N-12W 13,24-1N-13W 16-1N-12W	280*	1499*	11,2*	372*	280*	1048*
	3883	O. LOEFFLER ESTATE, G.O. ADAMS COOP		CYPRESS BETHEL		100*	594*	3,5*	65*	100*	432*
	3901	O. LOEFFLER ESTATE, CLARK, BARTH, PINNICK		TAR SPRINGS	25,36-2N-12W	30*	233*	1,6*	20*	30*	118*
	3951	O. LOEFFLER ESTATE, ALLENDALE WEST U		BIEHL	8-1N-12W	25*	264*	1,3*	526*	25*	3494*
	3909	R & G CORP., ALLENDALE U		BIEHL	3-1N-12W	*	5273	1,5*	284*		4204
	3911	C.A. ROBINSON		JORDAN			588**		14**		300**
	*3964	ROYALCO, INC.		ALLENDALE U			4764		313		1544*
	*3993	ROYALCO, INC.		STILLWELL COURTER U			1625		341		653
	*3920	C. E. SKILES		YELTON-KERZAN					53		73
	2231	WAYNE SMITH, OP.		SAND BARREN UNIT 1		18	3691	1,6	390	17	3301
	2232	WAYNE SMITH, OP.		SAND BARREN UNIT 2							
	*3903	WAYNE SMITH, OP.		TAYLOR-WHEATLEY		23	751	9,0	174	14	310
				JORDAN			1124		217		909
	*3908	WAYNE SMITH, OP.		SHAW-SMITH-NIGH			1586		120		1466
				JORDAN							
	3859	SO. TRIANGLE CO.		BIEHL	25-1N-12W	90*	523*	4,6*	83*	90*	340*
	*3904	TAMARACK PET.		BIEHL	28-1N-12W		644*		90*		147*
	*2201	TRIPLE B OIL CO		CYPRESS			1325*		94*		537*
	386A	UNIVERSAL OPRING		BIEHL	27,34,35-2N-12W		1586	3,1	130		130
	*3973	UNIVERSAL OPRING		BIEHL	5-1N-12W 15-1N-12W	71	845		38*		247*
	3860	ZANETIS OIL PROP		MAWF		14*	141	2,1*	24	14*	141
				CYPRESS							
ASHLEY, WASHINGTON											
	4023	N. A. BALDRIDGE		ASHLEY		190*	3670*	9,8*	240*	190*	3670*
ASHLEY E, WASHINGTON											
	4022	N. A. BALDRIDGE		ASHLEY EAST		75*	775*	4,9*	50*	75*	775*
ASSUMPTION C, CHRISTIAN											
	100	CONTINENTAL OIL		BENOIST		83	8152	8,3	1448	70	3348
	101	CONTINENTAL OIL		DEVONIAN		683	22237	27,8	2038	406	8200
	102	CONTINENTAL OIL		WOSICLARE		152	4909	4,7	1094	164	4690
	104	FEAR AND DUNCAN		ASSUMPTION WFU		144*	1484*	8,8*	135*	144*	1206*
	105	J. W. RUOY DRUG.		PEARODY-RIDGE		60*	1268*	9,2*	150*	48*	729*
BARNHILL, WAYNE, WHITE											
	*4103	ASHLAND O AND R		BARNHILL U			9137		1235		
	4170	BERNARD POODLSKY		BOZE UNIT		*	851*	1,5	128	12	775
	4171	BERNARD POODLSKY		CALWELL UNIT		*	1883*	0,8	93	2	1053
	*4199	SAM TIPPS		BOZE U			319		38		
	*4129	WAYNE DEV		WALTER			144		21*		119
	*4104	WILLETS AND PAUL		BARNHILL UNIT			4090		491		1880
	*4105	WILLETS AND PAUL		BARNHILL UNIT			53		7		2
BARTELSO, CLINTON											
	402	EO KAPES		H. S. WOODARD, TRUSTEE		65*	2616*	3,8*	371*	65*	2865*
	* 400	T. R. KERWIN		BELLE OIL			978		135*		187
	* 401	MOBBERN OIL CO.		ROBBERN OIL UNIT			3100		639*		1621
BEAUCOUP, WASHINGTON											
	4013	WARRIOR OIL CO.		BEAUCOUP UNIT		18	1173	1,0	15	18	650
BEAUCOUP S, WASHINGTON											
	4005	SHELL OIL CO.		BEAUCOUP S, UNIT		624	9164	12,4	414	399	7594
	4008	GEORGE THOMPSON		GILBERT		10*	147*	0,5**	40**	10*	147*
BEAVER CREEK, BOND, CLINTON											
	* 1	T. M. CONREY, JR		WRONE C			106		23		
	2	W. C. MCBRIE		JACOBS		17	290	1,2	16	17	279
BEAVER CREEK S, BOND, CLINTON											
	415	NICK BABARE		HORO				0,8*	19*		
	405	T. M. CONREY, JR		R-K-R-S		150*	2077*	9,6*	271*	150*	2031*
BELLAIR, CRAWFORD, JASPER											
	600	BELLAIR OIL		BELLAIR		220*	31813*	6,8*	893*	220*	7495**
	601	BELLAIR OIL		FULTON (BELLAIR)		375*	61620*	22,0*	1602*	375*	33902*
	* 666	HAUSAU PET. CORP		GRANT			1343		161		360
BELLE PRAIRIE, HAMILTON											
	1577	FAIRWAY PETROLEUM		MOLMBACH, LEACH, BONA		60*	960*	3,7**	64**	60*	960*
BEMAN, LAWRENCE											
	*2248	E. L. WHITHER		DECATUR INVESTMENT			683		40		400
	2287	ZANETTS OIL PROP		ALEXANDER		70*	443*	7,4*	22*	70*	411*
BENTON, FRANKLIN											
	1300	SHELL OIL CO.		BENTON U		1258	219302	32,3	19518	1049	161979
	1314	SHELL OIL CO.		SHELL-BENTON DEEP		288	9004	16,0	1616	216	4967
				AUX VASES							
				OHARA							
				MCCLOSKEY							
BENTON N, FRANKLIN											
	*1328	FARRAR OIL CO.		BENTON NORTH UNIT			3458		740		1855
				BETHEL							
				AUX VASES							
				OHARA							
				MCCLOSKEY							
	1332	M & W OIL CO		BENTON NORTH		55*	1206*	2,6*	111*	55*	665*
				PAINT CREEK							



Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76					Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
<b>ALLENDALE, LAWRENCE, WABASH</b>													
CONTINUED													
3905	1495	13,0	14,9	100									
3871	1520	20,0	15,0	200	35,0	06-64		3	8	100	8H SO (F)	*ESTIMATED	
3883	1996	10,0			37,0	05-64		1	3	40	8H SO, PROD (M)	*ESTIMATED	
	2110	10,0						1	3	40			
3901	1500	10,0	16,0	40	33,0	08-66		1	2	30	SH WELL (F)	*ESTIMATED	
3951	1500	20,0	17,8	450	35,0	03-58		4	3	80	SH SO, PROD (M)	*ESTIMATED	
3909	1500	18,0	15,0	1400	34,0	09-53		*	3	40	TAR SPGS, PROD (B)	*INJ IN LINE WELLS *E8T	
	1538	14,0											
3911	1450	20,0	18,0			10-66		3	6	153	SH SO (F)	*EST, +OP, SUSP, 1970, NO OAT	
*3964	2120	20,0	20,1	115	36,5	07-59	12-69	10	14	180	PRODUCED (B)	*INCL 3992	
*3993	1500	11,0	18,6	45	33,4	01-62	11-68	1	1	30	RIVER, PROD (M)		
	2000	10,0			36,9			5	10	180			
*3920	1600	15,0	18,0		35,5	06-66	12-70	*	2	20		*ADJ TO ACTIVE WF	
2231	1300	18,0			34,0	09-57		10	7	75	SURFACE, PROD (M)		
	1340	8,0											
2232	1280	20,0			33,0	06-58		3	10	65	SURFACE, PROD (M)		
*3903	1400	15,0				06-57	12-66	4	6	50	RIVER GRAV, PROD (M)		
	1440	8,0											
*3908	1380	15,0			34,0	09-57	01-72	2	6	45	SURFACE, PROD (M)		
	1420	8,0											
3859	1450	10,0	17,0	150	32,5	01-69		2	2	60	8H GRAVEL (F)	*ESTIMATED	
*3904	1800	16,0			34,8	01-54	12-60	4	7	130	RIVER GRAV, PROD (M)	*ESTIMATED	
*2201	2010	12,0			37,0	01-67	07-74	7	8	150	PENN SO, PROD (B)	*ESTIMATED SINCE 1968	
3868	1500	15,0			37,0	04-65		2	4	60	PENN SO, PROD (B)		
*3973	1480	13,0	15,0	160	32,9	03-61	09-67	6	3	60	8H SO, PROD (M)	*INCL PRIM PROD SINCE 1961	
												*EST FOR 1964-66	
3860	2039	7,0			36,2	06-68		2	2	30	PRODUCED (B)	*ESTIMATED 1976	
<b>ASHLEY, WASHINGTON</b>													
4023	1440	7,0				11-56		4	14	180	PRODUCED (B)	*ESTIMATED	
<b>ASHLEY E, WASHINGTON</b>													
4022	1650	8,0				07-69		2	4	60	PRODUCED (B)	*ESTIMATED	
<b>ASSUMPTION C, CHRISTIAN</b>													
100	1050	13,0	19,0	100	38,0	07-50		3	8	350	PRODUCED (B)		
101	2300	13,0	12,0	50	40,0	05-55		14	22	600	PRODUCED (B)		
102	1150	12,0	22,0	561	39,3	06-55		2	3	240	PRODUCED (B)		
104	2329	20,0			40,0	06-66		2	8	200	PRODUCED (B)	*ESTIMATED	
105	2290	15,0			42,3	11-67		6	8	280	PRODUCED (B)	*1976 DATA ESTIMATED	
<b>BARNHILL, WAYNE, WHITE</b>													
*4103	3350	9,0			39,0	01-51	03-63	10	22	260	CYPRESS (B)		
4170	3300	14,0			36,2	10-63		4	4	120	PENN SO (B)	*TEMP SHUT-DOWN 3-72	
4171	3560	15,0			36,9	10-63		5	4	140	PENN SO (B)	*INJ, CURTAILED 10-73	
*4199	3328	25,0				11-63	12-70	2	4	70	PENN SO, PROD (B)		
*4129	3450	18,0				12-50	01-55	1	2	40	CYPRESS (B)	*INCL PRIM PROD	
*4104	3250	14,0	18,7	42	38,0	10-56	12-66	12	10	230	PENN SO, PROD (B)		
*4105	3323	8,0	20,1	106	39,0	10-56	12-59	2	6	40	PENN SO, PROD (B)		
<b>BARTELSON, CLINTON</b>													
402	970	18,0	21,0	210	38,0	01-54		5	3	80	PRODUCED (B)	*ESTIMATED	
* 400	970	15,0	22,2	165	37,0	04-52	01-63*	5	5	40	TAR SPRINGS (B)	*ESTIMATED	
* 401	980	12,0	20,0	110	36,9	11-53	01-63*	12	19	200	BETHEL, PROD (B)	*ESTIMATED	
<b>BEAUCOUP, WASHINGTON</b>													
4013	3046	5,2	12,0	115	38,0	10-70		3	2	280	PENN SO (M)		
<b>BEAUCOUP S, WASHINGTON</b>													
4005	1440	6,0	19,0	240	36,0	11-60		7	10	230	PENN SO, PROD (B)		
4008	1445	6,0	17,5	111	36,0	01-55		1	1	27	PRODUCED (B)	*EST, +INCL PRIM PROD	
<b>BEAVER CREEK, BONO, CLINTON</b>													
* 1	1140	8,0	20,7	208	37,4	07-53	12-61	1	4	40	PROD (B)		
2	1100	10,0	20,0	110		06-68		1	1	20	PRODUCED (B)		
<b>BEAVER CREEK S, BONO, CLINTON</b>													
415	1180	12,0			33,0	08-69		1	4	40	CYPRESS, PENN (B)	*ESTIMATED; +OUMP FLOOD	
405	1110	8,0			34,0	01-56		3	11	140	PRODUCED (B)	*ESTIMATED	
<b>BELLAIR, CRAWFORD, JASPER</b>													
600	600	38,0	17,1	148	31,0	07-48		56	50	204	8H SO, PROD (M)	*ESTIMATED +SINCE 1-64	
601	560	21,0	19,0	149	32,0	07-48		35	69	443	GRAV, PROD (M)	*ESTIMATED	
* 666	950	16,0	17,2	125	39,0	02-53	02-61	15	11	70	PENN SO, PROD (M)		
<b>BELLE PRAIRIE, HAMILTON</b>													
1577	3400	7,0				03-68		1	3	80	PRODUCED (B)	*EST, +INCL PRIM PROD SINCE 1968	
<b>BEMAN, LAWRENCE</b>													
*2248	1850	10,0				09-63	10-67	4	7	200	PRODUCED (B)		
2287	1850	5,0				10-68		2	2	80	PRODUCED (B)	*ESTIMATED	
<b>BENTON, FRANKLIN</b>													
1300	2100	35,0	19,0	165	37,5	11-49		88	33	2200	LAKE, PROD (M)		
1314	2760	17,0	18,2		39,0	05-62		9	7	550	CYPRESS, PROD (M)		
	2810	7,0						5	7	320			
	2890	12,0						3	6	320			
<b>BENTON N, FRANKLIN</b>													
*1328	2550	8,0				02-66	04-71	6	9	140	OEGONIA, PROD (B)		
	2660	12,0						6	9	140			
	2730	5,0						4	4	90			
	2800	8,0						3	4	140			
1332	2550	12,0			39,6	06-69		4	4	100	PRODUCED (B)	*ESTIMATED	



in Illinois, 1976 - continued

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76					Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced Sll = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
<b>BENTON N, FRANKLIN</b>													
CONTINUED													
1326	2590	9,2	15,0	22	36,0	12-66		5	13	180	PENN SD (B)	*INJ. CURTAILED 3-75	
	2755	6,0	12,0					1	3	80			
	2800	6,0						1	1	40			
<b>BERRYVILLE C, EDWARDS, WABASH</b>													
*3942	2890	10,0				09-52	01-53	1	2	14	TAR SPGS, PROD (B)		
*3943	2890	10,0				02-52	06-53	1	2	27	TAR SPGS, PROD (B)		
1024	2990	10,0				01-70		2	2	200	SUPPLY WELL (M)	*1976 DATA ESTIMATED	
<b>BLACKLAND, CHRISTIAN, MACON</b>													
*2300	1920	10,0			37,0	10-63	12-63	1	2	80	AUX VASES (B)		
<b>BONE GAP C, EDWARDS</b>													
*1013	2310	20,0	18,0	120	34,6	06-52		1	10	120	PRODUCED (B)	*ESTIMATED	
1034	2320	10,0	17,3			02-66		1	2	100	PRODUCED (B)		
<b>BOULDER, CLINTON</b>													
* 411	1200	25,0	17,9	104	34,6	09-60	10-64	25	17	470	PROD (B)		
<b>BOURBON C, DOUGLAS</b>													
* 800	1600	12,0			34,0	09-59	11-66	18*	30*	800*	PRODUCED (B)	*DATA WERE ESTIMATED	
<b>BOYO, JEFFERSON</b>													
2000	2130	11,9	21,4	24	36,8	03-55		5	10	569	PRODUCED (B)	*INCL WITH 2001 *EST	
2001	2065	17,3	17,5	173	39,5	06-55		2	8	1564	SH SO, PROD (M)	*INCL 2000 *EST	
<b>BROWN, MARION</b>													
2615	1650	10,0			33,0	07-60		1	3	40	PRODUCED (B)	*ESTIMATED	
<b>BROWNS, EDWARDS, WABASH</b>													
3850	3022	5,0			35,4	11-66		2	4	380	SH SO (F)	*ESTIMATED 1976	
1021	2640	3,2	16,8	106	36,8	11-59		5	9	190	PRODUCED (B)	*INJECTION STOPPED MARCH, 1975	
	2780	6,3	17,5	5	36,8			3	4	120			
3894	2300	10,0	16,0			11-62		2	2	60	PRODUCED (B)	*ESTIMATED	
	2600	15,0	17,0					11	7	180			
<b>BROWNS E, WABASH</b>													
*3912	2570	13,0				01-51	01-57	1A	1A	290	SH SO, PROD (M)	*INCL PRIM PROD	
*3914	2560	8,0			37,0	04-56	09-74	1	2	75	PENN SO, PROD (B)		
3950	2580	7,0	16,0		35,0	08-67		6	5	139	GRAV BED (F)		
*3913	2570	11,0			35,0	11-47	07-63	6	8	169	TAR SPGS, PROD (B)	*NO INJ SINCE 12-58	
<b>BUNGAY C, HAMILTON</b>													
*1554	3275	13,5	21,8	104	36,0	09-65	12-70	2	4	60	SH SO, PROD (M)	SWO ONLY	
1574	3270	12,0				11-64		2	25	270	PRODUCED (B)	*ESTIMATED	
1550	3280	6,0	12,0	244	38,5	08-64		7	7	300	PENN SO, PROD (B)	*ESTIMATED	
1558	3280	3,0	18,9	325	39,0	09-65		4	5	100	PENN SO (B)	*ESTIMATED	
	3300	10,0	20,0	100				6	5	120			
1572	3260	15,0				01-55		1	7	90	PRODUCED	*EST *INCL PRIM PROD	
1576	3260	15,0				07-67		1	3	40	PRODUCED (B)	*ESTIMATED	
1555	3275	12,0	20,6	312	36,6	05-69		3	4	220	PRODUCED (B)		
1527	3254	12,0	14,0	350	38,0	01-67		1	4	60	PRODUCED (B)	*ESTIMATED	
*1519	3331	15,0	20,0	80	39,1	09-66	04-73	3	5	90	SH SO, PROD (M)	*ESTIMATED 1971-73	
*1522	3300	17,0	22,0	182	41,0	05-61		8	5	390	CYPRESS, PROD (B)		
*1500	3330	15,5	19,6	92	37,0	06-48	07-64	10	12	640	PENN, PROD (B)		
*1530	3300	25,0	17,8	107	37,0	09-61	10-68	5	5	130	PENN SO, PROD (B)		
<b>CALHOUN C, RICHLAND, WAYNE</b>													
*3400	3150	6,0			37,0	09-51	08-64	3	8	280	CYPRESS (B)		
*3401	3130	10,0	11,2	67	39,0	06-50	12-66	3	10	220	PRODUCED (B)	*NO DATA 1959-1966	
*3447	3175	20,0				01-49	12-64	5	13	570	PRODUCED AND CYPRESS	*ESTIMATED	
<b>CALHOUN E, RICHLAND</b>													
*3423	3268	10,0			37,2	08-65	12-71	2	3	100	TAR SPR, PROD (B)	*INACTIVE 1966-71	
<b>CALHOUN S, EDWARDS, RICHLAND, WAYNE</b>													
4086	3250	23,0			39,0	08-66		1	3	20	PRODUCED (B)	*ESTIMATED	
<b>CARLYLE N, CLINTON</b>													
407	1142	7,0			34,0	06-55		1	7	80	PRODUCED (B)	*ESTIMATED	
<b>CARMI, WHITE</b>													
4402	3143	5,0			30,0	09-65		1	2	60	PENN SO, PROD (B)	*ESTIMATED	
<b>CASEY, CLARK</b>													
* 217	450	21,5	22,4	108	31,5	08-53	08-54	9	4	40	SH SO (F)		
* 201	450	10,0			31,9	03-50	03-61	76	66	280	GRAV BED AND PROD (M)		
* 202	290	20,0	21,5	400	26,0	12-53	12-68	15	12	40	SH SO, PROD (M)		
<b>CENTERVILLE, WHITE</b>													
4409	3360	13,0			37,0	12-65		1	1	20	PENN SO (B)	*ESTIMATED	
*4267	3366	7,0			43,0	06-54	12-55	1	1	20	TAR SPRINGS (B)	*INCL PRIMARY SINCE 6-54	
<b>CENTERVILLE E, WHITE</b>													
4203	2470	17,0	16,0	97		03-56		5	8	130	PALESTINE, PROD (B)	*EST *INCL ALL PAYS	
	2950	17,0	15,0	12				8	9	190			
	2960	17,0	14,0	8				4	4	80			
	3060	20,0	20,0	45				4	7	110			
4379	2460	37,0	15,7		36,6	01-63		22	17	420#	SH SO, PROD (M)	*INCL ALL PAYS *EST	
	2632	10,0						1	1	10		*INCL 4246 ACREAGE	
	2850	35,0	14,4					16	16	340			
	2980	18,0	14,1					15	16	330			
	3080	19,6	19,6	109				18	15	350			
	3225	6,0						1	2	60			

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Location S - T - R	Water injection		Oil production		Water production		
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76	
CENTERVILLE E, WHITE CONTINUED											
	4394	ABSMER OIL CO	JONES-BAIRO	CYPRESS	7-4S-10E	54*	1241*	2.5*	134*	54*	1116*
	4376	NICK BABARE	JONES ESTATE	TAR SPRINGS	7-4S-10E	40*	1161*	3.3*	176*	40*	289*
	*4246	SUN OIL CO.	E. CENTERVILLE	TAR SPRINGS	7-4S-10E		269		39		132
CENTRAL CITY, MARION											
	2623	WILLIAM PFEFFER	PFEFFER U	PENNSYLVNIN	8-1N-1E	32	305	2.2	24	32	305
CENTRALIA, CLINTON, MARION											
	419	KARCHMER PIPE	KARCHMER-TRENTON	TRENTON	1,2-1N-1W,26,27,34,35 36-2N-1W	96	3672	33.8	455	96*	1672*
	* 403	W. O. MORGAN	CENTRALIA FIELO	BENOIST	35-2N-1W		880*		98*		880*
	420	MUBERT ROSE	BUEMLER COHM	DEVONIAN	1-1N-1W	450*	13059*	22.6*	193*	450*	13059*
	412	FREO SEIP	ROTHMEYER,BUEMLER,COE	CYPRESS	13-1N-1W		20*	1107*	0.9*	70*	20*
	416	FREO SEIP	HEFTER MKS	BENOIST	13-1N-1W	115*	708*	5.5*	63*	115*	1591*
	404	SHELL OIL CO.	CENTRALIA U	CYPRESS	1,2,12-1N-1W, 35,36-2N-1W	2204	21701	41.4	11158	1729	104122
	* 408	SOHIO PETROLEUM	COPPLE TRENTON	BENOIST	35-2N-1W		236		34		21
CHESTERVILLE E, DOUGLAS											
	* 801	ROYALCO, INC.	ARCOLA UNIT	SPAR MTN	5,6-14N-8E, 31-15N-8E		6471		1130		1977
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY											
	*1900	ASHLAND O AND R	BOOS EAST	MCCLOSKEY	2,3,10-6N-10E		333		16		
	*3402	ASHLAND O AND R	NOBLE NORTH	MCCLOSKEY	35-4N-9E		318		8		
	3419	WM. BECKER	WAKEFIELD-MARRELL U	CYPRESS	26-4N-9E	50*	2558*	2.8*	411*	50*	2075*
	* 362	C. E. BOOTH	STANFORD	AUX VASES	4-2N-7E		175		35		70
	381	C. E. BOOTH	MURO & PETTIJOMN	AUX VASES	15,16-2N-7E	85*	465*	4.7*	28*	80*	460*
	1915	C. E. BOOTH	DELLA MARVEY	SPAR MTN	12-5N-9E	40*	896*	2.2*	89*	40*	342*
	3405	C. E. BOOTH	S. NOBLE CONSLO	MCCLOSKEY	30,31-3N-9E, 25,36-3N-8E	10*	3987*	1.0*	164*	10*	1617*
	*3403	M. L. BROCKMAN	EAST NOBLE UNIT	SPAR MTN	10-11-3N-9E		3464*		251*		1736*
	* 380	BRUER & ROBINSON	NORTH CLAY CITY	CYPRESS	8,9,16,17-3N-8E		4500*		311*		4000*
	4064	CARL BUSBY	GASTON-SIMMS	AUX VASES	25-1S-8E	120*	615*	4.1*	55*	120*	563*
	*4107	CONTINENTAL OIL	WILSON 'B'	SPAR MTN	15-1S-8E		212		13		53
	*4073	COY OIL CO.	EAST GEFF	AUX VASES	8,17-1S-8E		581		32		18
	4147	CULLUM OIL CO.	ROBERTSON-BING-CREWS	AUX VASES	27,28-1S-8E	170*	3186*	12.4*	226*	170*	1615*
	*1913	ORAN OIL PROP.	BERGBOWER	MCCLOSKEY	4-6N-10E		141		17		
	4082	DUNCAN LSE+ROY	CREWS-SHORT COOP	AUX VASES	33-1S-8E	109	1131	3.6	169		
	4092	DUNCAN LSE+ROY	CREWS MIDDLE UNIT	AUX VASES	33-1S-8E	245	3296	7.1	154		
	1925	ENERGY RESOURCES	NEWTON EAST	MCCLOSKEY	34-7N-10E/13-6N-10E	175*	920*	8.4*	66*	175*	662*
	*4109	F AND W OIL CO.	MILLER-LAMBRICH U	ST LOUIS OMARA	29-1N-8E		*		144		
	4146	F AND W OIL CO.	MT. ERIE UNIT	MCCLOSKEY	33,34,35-1N-8E	150*	8541*	10.7*	1068*	150*	4899*
	4174	FARRAR OIL CO.	MOLT	AUX VASES MCCLOSKEY	29-1N-8E	182*	1108**	8.9*	142**	35*	296**
	4156	FRMERS PETR COOP	BEARD, HORAM,WILSON U	AUX VASES	10-1S-8E		794**		379*		212*
	1927	FINKS OIL CO.	ROUTE 33	MCCLOSKEY	27,28,34-7N-10E	200*	1650*	11.9*	102*	200*	1650*
	4175	DONALO W. GESELL	NE GEFF UNIT	AUX VASES	7-1S-8E		258*		46*		94*
	4173	J. O. GORDON	BOTHWELL	MCCLOSKEY	24-2N-7E	80*	624*	6.4**	91**	80*	615*
	1906	GLEN GRIFFITH	WILLOW HILL COOP	MCCLOSKEY	6-6N-11E	20*	96**	1.6**	25**	20*	225**
	* 317	GULF OIL CO.	S. STANFORD U	AUX VASES	8,9,16,17-2N-7E		2805		370		810
	*4130	GULF OIL CO.	WINONA	MCCLOSKEY	12-1S-8E		25		6		300
	*4094	ILL. LSE. OP.	BLACKBURN	AUX VASES	3-1S-8E		47		6		10
	*4141	ILL. LSE. OP.	HILL,THOMPSON,GRSN.	AUX VASES	27-2N-7E		610		36		235
	*4197	ILL. LSE. OP.	HORAM	AUX VASES	4-1S-8E		15*		61		99
	*4198	ILL. LSE. OP.	J. O. VUROLAS	OMARA	26-1S-7E		205*		41*		230*
	*4184	ILL. MID-CONT.	CREWS-SHORT COOP	AUX VASES	33,34-1S-8E		503*		34**		503*
	*4179	JENKINS BROS	NORTH FIRST STREET	AUX VASES	19-1S-8E		337*		49*		181*
	*4119	KIRBY PETROLEUM	KIRBY	AUX VASES	16,17-1N-7E		2464		360		391
	4140	OAE V LOVE	BARNARD-HOLMAN-LISTON	AUX VASES	10-1S-7E	25*	600*	1.3*	76*	25*	508*
	*3416	MARATHON OIL CO.	NOBLE COOP U	MCCLOSKEY	8-3N-9E		*		*		*
	3421	MURVIN OIL CO.	WAKEFIELD POOL U	CYPRESS	24-4N-9E		2966**	3.0*	46*	60*	3147*
	4060	MURVIN OIL CO.	PIKE	AUX VASES	14-1S-7E	85*	870*	4.2**	43**	85*	870*
	* 300	O H AND F OIL CO	N CLAY CITY U	MCCLOSKEY	5,8-3N-8E		319*		154*		836*
	372	PARTLOW, COCHNOR	HENDERSON & SKELTON	CYPRESS	17-2N-8E	200*	1025*	21.8*	206*	200*	1050*
	4069	PARTLOW, COCHNOR	HOSSELTON & GILL	AUX VASES SPAR MTN CYPRESS	20-2N-8E	140*	990*	10.1*	149*	140*	1040*
	* 301	PHILLIPS PET. CO	MINNIE	SPAR MTN	24-3N-7E		181		79		460
	3427	BERNARD POOLSKY	COEN U	AUX VASES	36-5N-9E	16	226	1.9	38		
	4087	BERNARD POOLSKY	W JEFFERSONVILLE	AUX VASES	15,16-1S-7E	19	628	1.9	41	19	166
	4149	BERNARD POOLSKY	MARSHALL	AUX VASES	16-1S-8E		840*	2.2	66	14	451
	4159	BERNARD POOLSKY	NW FAIRFIELD U	OMARA	26,35-1S-7E	67	2626	24.0	323	9	420
	4194	BERNARD POOLSKY	GRAY	AUX VASES	16,21-1S-8E	77	1460	4.6	92	14	629
	*1901	ROBINSON PROD.	NE MCCLOSKEY U NO 1	MCCLOSKEY	13,14,24-7N-10E		1367		282		328
	*1902	ROBINSON PROD.	WILLOW HILL, SE BAR	MCCLOSKEY	23,26-7N-10E		3326		639		1113
	4067	ROBINSON PROD.	NE GEFF-MURPHY	AUX VASES OMARA	5,6-1S-8E	143	540	20.0	90	30	115
	4068	ROBINSON PROD.	CARTER U	AUX VASES	28,29,32,33-1N-8E	27	138	7.1	28		
	*4084	ROBINSON PROD.	WESLEY FELLER	AUX VASES	7-1N-8E		368		83		408
	*4115	ROBINSON, PUCK.	N PUCKETT U	AUX VASES	9-2S-8E		966		122		
	*4116	ROBINSON, PUCK.	S PUCKETT U 1	AUX VASES	16-2S-8E		4337		458		1798
	1918	MUBERT ROSE	LIBERTY W UNIT	MCCLOSKEY	16,21-5N-10E	*	319*	*	24*	*	24*
	3433	MUBERT ROSE	OUNOAS WEST UNIT	MCCLOSKEY	28,33-5N-10E	20*	1384*	1.0*	65*	20*	170*
	3436	MUBERT ROSE	SOUTH NOBLE UNIT	MCCLOSKEY	29,32-3N-9E	60*	1782	2.8*	135	60*	981
	4186	MUBERT ROSE	SYCAMORE CONSLO	AUX VASES MCCLOSKEY	22,23,24-2N-7E	40*	2941*	2.0*	240*	40*	1526*
	4111	ROYALCO, INC.	M.OSTERMAN	AUX VASES OMARA MCCLOSKEY	14,23-1S-8E	240*	1009*	8.4*	130*	80*	314*
	* 347	J. W. RUDY ORLG.	EO WILSON	AUX VASES	32-3N-8E		235		44		41
	* 363	J. W. RUDY ORLG.	CLARK LEASE	CYPRESS	20-3N-8E		62		7		32
	4088	J. W. RHOY ORLG.	FLEXTER	AUX VASES	3-1N-7E	22*	497*	1.6*	142*	22*	324*
	3444	FREO SEIP	R. S. SMATTO	MCCLOSKEY	20-3N-9E	80*	1215*	2.9*	140*	80*	1255*

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76					Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (*API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
<b>CENTERVILLE E, WHITE CONTINUED</b>													
4394	2910	15.0	14.4	109	36.6	10-63		2	2	100	PRODUCED (B)	*ESTIMATED	
4376	2500	16.0	15.7	21	35.4	09-63		2	2	40	PURCHASED (B)	*ESTIMATED	
*4246	2530	6.0			36.6	10-50	09-57	5	5	1*	PRODUCED (B)	*ACREAGE AND WELLS INCL W/4379	
<b>CENTRAL CITY, MARION</b>													
2623	864	22.0			34.0	10-64		1	5	60	PRODUCED (B)		
<b>CENTRALIA, CLINTON, MARION</b>													
419	3950	99.9			40.0	11-66		21	32	1080	AUX VASE (B)	*ESTIMATED	
* 403	1368	10.0			38.0	10-55	01-74	1	3	40	CYPRESS, PROD (B)	*ESTIMATED	
420	2680	29.0			38.8	06-66		2	4	269	PRODUCED (B)	*ESTIMATED	
412	1200	10.0		80	34.0	11-60		3	6	45	PRODUCED (B)	*ESTIMATED	
416	1360	10.0			35.0	09-70		1	5	100	PRODUCED (B)	*ESTIMATED	
404	1200	20.4	20.2	225	34.8	05-56		113	76	1450	PENN, A V, OEV SOURCE/		
	1350	19.6	19.6	186				75	88	1560	CYP, BEN, PROD (B)		
* 408	3950	22.0	10.0		39.8	11-51	03-53	2	12	160	DEVONIAN (B)		
<b>CHESTERVILLE E, DOUGLAS</b>													
* 801	1725	10.0	16.0	167	38.0	09-61	08-73	14	24	380	RIVER, PROD (M)		
<b>CLAY CITY C, CLAY, JASPER, RICHLAND, WAY</b>													
*1900	2645	8.0			40.0	09-53	04-60	3	3	40	GRAV, PROD (M)		
*3402	3000	5.0			38.0	07-54	04-61	1	1	20	CYPRESS (B)		
3419	2540	28.0	18.0	140		07-60		5	5	100	PENN 80, PROD (B)	*ESTIMATED	
* 362	2970	10.0			36.0	12-66	04-73	1	1	20	PENN 80, PROD (B)		
381	2960	16.0				11-71		3	5	80	PRODUCED (B)	*ESTIMATED	
1915	2960	10.0	13.6		35.1	03-62		2	3	50	PENN 80, PROD (B)	*ESTIMATED	
3405	2975	5.0	15.0	24		07-57		1	2	44R	PRODUCED (B)	*ESTIMATED	
*3403	2950	11.0			38.0	05-55	12-71	5	18	260	PRODUCED (B)	*NOT OPERATED 1968-1971	
* 380	2630	15.0				06-58	03-67	3	13	160	SH, SO, PROD. (M)	*ESTIMATED	
4064	3090	10.0				1-72		2	8	180	PRODUCED (B)	*ESTIMATED	
*4107	3160	10.0				04-55	04-63	1	2	40	CYPRESS, PROD (B)		
*4073	3075	10.0	19.0	30	40.0	01-69	01-72	3	3	100	SH SAND (F)		
4147	3130	12.0			39.0	01-61		4	10	250	PENN 80, PROD (B)	*ESTIMATED 1973-76	
*1913	2850	16.0				10-60	12-64	1	10	240	CYPRESS (B)		
4082	3100	21.0				04-67		2	4	70	PRODUCED (B)		
4092	3110	26.0				08-65		5	4	260	PENN 80, PROD (B)		
1925	2650	15.0				08-70		4	12	280	CYP, SURFACE (M)	INACTIVE 1973; *ESTIMATED	
	2950	18.0						3	12	280			
*4109	3060	15.0				08-50	01-63	4	4	150	CYPRESS (B)	*OUMP FLOOD, NO RECORD	
	3080	15.0						4	4	150			
	3100	15.0						4	4	150			
4146	3000	11.0	13.0	16	40.2	10-60		6	12	720	SH SO, PROD (M)	*ESTIMATED	
4174	3121	7.0				08-64		1	3	40	PRODUCED	*ABD 1965-1968; *ESTIMATED 1976	
								1	3	40			
4156	3100	14.0			40.0	07-62		2	4	200	PENN 80 (B)	*EST+SHO SINCE 12-69; NO DATA 76	
1927	2930	23.0				06-69		1	8	110	PRODUCED (B)	*ESTIMATED	
4175	3031	15.0	20.0	27	38.5	02-64		2	2	50	PENN 80, PROD (B)	*TEMP ABD 9-1-70	
4173	2990	5.0			37.0	07-63		2	2	20	PRODUCED (B)	*EST+ AFFECTED BY ADJ A.V. FLOOD	
1906	2634	9.0	15.0	24		06-57		1	1	70	PRODUCED (B)	*EST+ NO DATA 1967-74	
* 317	2975	11.8	19.8	97	38.8	05-54	12-60	9	8	170	PENN 80, PROD (B)		
*4130	3115	8.0	12.0		40.1	08-55	10-56	1	1	12	TAR SPRING (B)		
*4094	3031	26.0				04-64	04-69	1	1	20	PENN 80 (B)		
*4141	3130	12.0			32.6	03-60	10-65	3	7	160	PRODUCED (B)		
*4197	3040	22.0				01-66	01-73	1	1	20	PRODUCED (B)	*INJ SUSPENDED 8-66	
*4198	3215	20.0			38.0	10-62	08-68	1	3	40	PENN 80 (B)	*NO DATA BEFORE 1965	
*4184	3150	15.0	14.0	40		12-65	05-74	3	3	60	PENN 80 (B)	*NOT OPERATED *REVISIO	
*4179	3146	7.8	18.0	75	37.5	08-58	01-72	2	1	80	POND, PROD (M)	*NOT OPERATED 1970-1972	
*4119	2900	5.0	19.0		38.0	01-55	05-62	4	15	400	PENN 80, PROD (B)		
4140	3135	13.0			38.4	12-60		2	4	60	PRODUCED (B)	*ESTIMATED SINCE 1970	
*3416	2500					08-54	10-60	3	8	120	PRODUCED (B)	*INCL WITH 3409	
3421	2535	21.0			35.0	10-60		6	13	320	TAR SPG (B)	*INJ. TERMINATED 1973; *EST	
4060	3100	9.0				01-70		2	6	110	PRODUCED (B)	*EST +INCL PRIM SINCE 1-71	
* 300	3010	5.0				06-55	01-76	1	1	100	RIVER, PROD (M)	*ESTIMATED; SHO ONLY	
372	2650	10.0				06-69		1	4	80	PRODUCED (B)	*ESTIMATED	
	2920	20.0						1	4	80			
	3002	8.0						1	5	80			
4069	2640	12.0				06-68		1	5	60	PRODUCED (B)	*ESTIMATED	
	3010	8.0						1	5	60			
* 301	2990	30.0	14.0	2000	38.5	07-53	05-58	1	1	20	PROD (B)		
3427	2800	8.0			36.0	05-64		1	4	50	PENN 80, PROD (B)		
4087	3120	13.0				06-67		3	6	120	SH WELL (F)		
4149	3120	20.0			38.0	11-65		3	8	120	PURCHASED (F)	*INJECTION CURTAILED 10-73	
4159	3200	7.2	13.0	200	40.1	10-62		5	4	480	PENN 80 (B)		
4194	3150	12.0			39.0	11-65		4	9	100	CYPRESS (B)		
*1901	2530	6.2	14.0		38.0	05-51	01-70	2	6	235	PRODUCED (B)		
*1902	2580	8.2	14.0		40.0	05-53	01-70	3	5	415	SH 80, PROD (M)		
4067	3075	7.5	19.0	35		08-71		6	8	236	PRODUCED (B)		
	3130	4.5						2	8	215			
4068	3015	6.5	18.5	30	37.0	09-71		1	4	165	WELL & PROD (M)		
*4084	2935	11.0	16.0	35	39.3	03-67	01-74	1	1	50	PRODUCED (B)		
*4115	3150	8.0	19.0	115	39.0	01-56	05-63	6	4	172	SEWAGE, PROD (M)		
*4116	3200	14.8	20.0	80	39.0	08-54	05-63	7	11	243	SEWAGE, PROD (M)		
1918	2900	7.0				04-65		1	1	100	PENN 80, PROD (B)	*NO DATA 1972-76	
3433	2870	5.0	13.0	120		01-65		2	3	180	PRODUCED (B)	*ESTIMATED	
3436	3005	9.0				09-66		3	5	170	PRODUCED (B)	*ESTIMATED	
4186	2930	20.0	19.0	75		11-64		2	6	440	PENN 80, PROD (B)	*ESTIMATED	
	3010	20.0						2	2	100			
4111	3050	15.0				06-71	05-75	1	3	80	PENN SAND, PROD (B)	*ESTIMATED 1976	
	3100	8.0				04-58		1	2	70			
	3150	10.0				06-71	05-75	1	2	70			
* 347	2933	15.0			39.2	02-59	01-72	1	2	40	CYPRESS (B)		
* 363	2678	10.0				06-68	01-74	1	1	30	SURFACE PROD (M)		
4088	2990	12.0	19.0	22	38.5	12-61		1	2	120	CYPRESS, PROD (B)	*ESTIMATED 1976	
3444	3000	5.0	16.0	1307	39.0	01-61		1	1	40	PRODUCED (B)	*ESTIMATED 1970-76	

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
					Water injection		Oil production		Water production		
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY CONTINUED											
	3445	SHAKESPEARE OIL	RUNYON-TOTTEN U	SPAR MTN	25-3N-9E	215	232	13.2	14	51	51
	*4117	SHAKESPEARE OIL	E, BANKER SCHOOL U	CYPRESS	22-2N-8E		801		219		587
	*4118	SHAKESPEARE OIL	E, GEFF UNIT	AUX VASES	12,13-1S-7E, 7,17,18-1S-8E		9553		966		3900
	4166	SHULMAN BROTHERS	W GEFF U	AUX VASES	28,33-1N-7E; 3,4-1S-7E	100+	3396+	5.5+	198+	100+	2077**
				OHARA			467				
				MCCLOSKEY			2900				
	4177	SHULMAN BROTHERS	NE GEFF U	AUX VASES	1,11,12,13-1S-7E	100+	9649+	7.3+	1299+	100+	4420+
	*4196	JOE SIMPKINS OIL	HEISNER UNIT	AUX VASES	3-2S-8E, 33,34-1S-8E		2344*		239*		1033*
	3428	WAYNE SMITH, OP.	ONTON HILL U	AUX VASES	1,12-4N-9E, 36-5N-9E		5929		158		3127
				SPAR MTN		60+	427**	3.9+	22+	60+	240+
	4190	S, ILL. OIL PROO	SOUTH CISNE U	AUX VASES	27-1N-7E	45*	718*	3.2*	88*	45*	521*
	*1907	H, M, SPICKLER	WILLOW HILL	MCCLOSKEY	36-7N-10F		*				
	4079	TAMARACK PET.	BLACK OAK SCHOOL U	AUX VASES	22,23,26,27-1S-8E	720	6523	25.9	272	174	1065*
	4081	TAMARACK PET.	CLAY UNIT	AUX VASES	9,10,15,16-1S-8E	324	2454*	2.4	101*	57	488*
	*4095	TAMARACK PET.	EAST CLAY	AUX VASES	10-1S-8E		284		19		36
	*4108	TAMARACK PET.	PIERCE	SPAR MTN	22-2N-8E		1013*		86		922
	4157	TAMARACK PET.	S, W, MT, ERIE U	AUX VASES	4-1S-8E	153	1738	3.2	90*	24	332*
	4191	TAMARACK PET.	CISNE UNIT	AUX VASES	3,9,10-1S-7E	58	2882*	2.4	387*	43	666*
	4193	TAMARACK PET.	WILSON U	AUX VASES	23,26-2N-8E	30*	2770*	3.3*	340*	30*	1279*
	*4132	TEXACO, INC.	E, GALLIGHER	MCCLOSKEY	2-2S-7E		32				
	*4144	SAM TIPPS	W GEFF U	AUX VASES	16,17,21-1S-7E		1690		105		1137
	302	UNION OIL CALIF.	T H & S UNIT	CYPRESS	9,10-2N-8E	130	329	6.1	59	62	280
	304	UNION OIL CALIF.	NE WOODSIDE SCHOOL	CYPRESS	16,17-2N-8E	*	1621*	14.1	122	43	566
				MCCLOSKEY							
	335	UNION OIL CALIF.	WEILER SCHOOL CONSLO	CYPRESS	33,34-3N-8E, 3,4-2N-8E	243	8192	25.1	1044	132	3838
				MCCLOSKEY							
	341	UNION OIL CALIF.	W, CLAY CITY	AUX VASES	10-2N-7E	681	4346	18.4	248	275	1891
				MCCLOSKEY							
	349	UNION OIL CALIF.	THOMAS SCHOOL U	CYPRESS	5,6,7,8,17,18-2N-8E; 12-2N-7E	1083	23519	53.0	2208	761	10347
				MCCLOSKEY							
	358	UNION OIL CALIF.	BUNNYVILLE C *	CYPRESS	27,28,29,32,33-3N-8E; 4,5,6-2N-8E	1218	14427	112.5	1648	1338	10143
				AUX VASES							
				MCCLOSKEY							
	1910	UNION OIL CALIF.	E NEWTON CONSOL	MCCLOSKEY	27,34-7N-10E	166	5783	14.4	421	128	2289
	1911	UNION OIL CALIF.	MT, GILEAO CONSOL	MCCLOSKEY	19,20,29,30-5N-10E	887	12491	10.1	548	71	4954
	1919	UNION OIL CALIF.	N, OUNDAS U	AUX VASES	7,8,9,18-5N-10E	598	22569	34.5	889	685	8949
				MCCLOSKEY							
	1922	UNION OIL CALIF.	S 800S U	AUX VASES	33-6N-10E; 4,5,6-5N-10E	1347	21859	59.8	1664	940	9932
				MCCLOSKEY							
	1924	UNION OIL CALIF.	HONEY CONSOL	AUX VASES	16,17-5N-10E	310	4719	18.6	292	410	3873
				MCCLOSKEY							
				SALEM							
	3404	UNION OIL CALIF.	OLO NOBLE	CYPRESS	3,4,5,8,9-3N-9E; 32,33-4N-9E	7180	132195	143.1	6350	6506	131521
				MCCLOSKEY							
	*3406	UNION OIL CALIF.	SW NOBLE U	SPAR MTN	11,12-2N-8E		3810*		181		1056
	3418	UNION OIL CALIF.	WAKEFIELD CONS	CYPRESS	13,14,22,23,24,25,26, 27-4N-9E	510	39855	18.0	3853	408	28025
	3425	UNION OIL CALIF.	GUYOT CONSLO	CYPRESS	35,36-3N-8E, 1,2-2N-8E	102	6098	8.5	363	90	1776
				MCCLOSKEY							
	3429	UNION OIL CALIF.	NE WAKEFIELD CONSLO	CYPRESS	13,14-4N-9E	12	416	0.8	42	6	102
	3431	UNION OIL CALIF.	HOG RUN CONSLO	AUX VASES	17-3N-9E	64	2080	3.1	94	77	730
				MCCLOSKEY							
	3434	UNION OIL CALIF.	SUGAR CREEK UNIT	SPAR HTN	26,27-4N-9E	*	1083*	1.4	62	4	61
				MCCLOSKEY							
	3437	UNION OIL CALIF.	S OUNDAS CONSOL	MCCLOSKEY	30,31-5N-10E	343	2662	9.1	120	172	974
				AUX VASES							
	3438	UNION OIL CALIF.	R-8 CONSOL	MCCLOSKEY	27,28-4N-9E	30*	564*	1.8	39	30**	219**
	3440	UNION OIL CALIF.	W A M CONSOL	AUX VASES	13,14,23,24,26-4N-9E	100	2498	12.7	91	69	539
				SPAR HTN							
	3441	UNION OIL CALIF.	R H & P CONSOL	MCCLOSKEY	24,25-3N-8E	311	1856	3.1	33	76	426
	3442	UNION OIL CALIF.	OUTER WAKEFIELD C	CYPRESS	14,23-4N-9E	36	954	3.0	47	18	190
				AUX VASES							
	3443	UNION OIL CALIF.	LU-BERG AREA	CYPRESS	25-4N-9E	201	1238	15.9	175	13	47
	3446	UNION OIL CALIF.	COLBORN CONSOL.	AUX VASES	4,5-3N-9E	6	6	45.4	66*	679	679
				MCCLOSKEY							
				ST. LOUIS							
				SALEM							
	4065	UNION OIL CALIF.	BANKER SCHOOL CONSLO	CYPRESS	15,21,22,28-2N-8E	87	2196	8.4	840	53	1177
	4070	UNION OIL CALIF.	E BANKER SCHL	CYPRESS	21,28-2N-8E	142	634	16.2	107	83	296
				AUX VASES							
	*4074	UNION OIL CALIF.	SE WOODSIDE SCHOOL	MCCLOSKEY	20,29-2N-8E		370		8		28
	4075	UNION OIL CALIF.	S WOODSIDE SCHL	AUX VASES	19,20,30-2N-8E; 25-2N-7E	333	2321	14.6	208	172	944
				MCCLOSKEY							
	4076	UNION OIL CALIF.	E DRY FORK	AUX VASES	25-1S-6E	67	1010	3.5	83	46	178
	4080	UNION OIL CALIF.	WOODSIDE SCHL C	CYPRESS	24-2N-7E; 19,20-2N-8E	1688	15041	64.3	796	628	5055
				AUX VASES							
				MCCLOSKEY							
	4091	UNION OIL CALIF.	CENT JOROAN SCHOOL	AUX VASES	1-1N-7E	391	5874	15.0	500	333	3540
				MCCLOSKEY							
	4097	UNION OIL CALIF.	OEER CREEK S	CYPRESS	11,12-1S-8E	188	3438*	3.2	121*	70	834*
				MCCLOSKEY							
	*4099	UNION OIL CALIF.	BRAOLEY U	AUX VASES	26-1N-7E		639		42		
	4106	UNION OIL CALIF.	SW VANFOSSAN U	AUX VASES	25,26,27-1N-8E	422	5555	21.3	375	275	2187
				OHARA							
				MCCLOSKEY							
	4112	UNION OIL CALIF.	JOROAN SCHOOL U	AUX VASES	27,34,35-2N-7E, 3-1N-7E	*	25655*	7.5	2360	150	14433
	*4113	UNION OIL CALIF.	NE JOROAN SCHOOL U	AUX VASES	25,26,35,36-2N-7E		13813		1316		8468
	4114	UNION OIL CALIF.	VAN FOSSAN U	MCCLOSKEY	10,14,15,22,23,26,27- 1N-8E	175	16265	5.3	717	175	8838
				AUX VASES							
	4131	UNION OIL CALIF.	SE JOROAN SCHOOL U	AUX VASES	2,11-1N-7E	987	22973	21.3	1747	732	14193
	4135	UNION OIL CALIF.	OEER CREEK UNIT	AUX VASES	1,2,10,11-1S-8E	400	9162	16.7	700	370	4608
				MCCLOSKEY							

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity ('API)	Date first inj.	Date abd.	No. of wells Inj. Prod.	Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY CONTINUED												
3445	3080	7,0			38,0	12-75		3	11	150	PENN SD (F)	
*4117	2639	12,5	16,5	43	34,4	01-57	12-71	2	2	60	SH SD (F)	
*4118	3065	15,9	19,0	85	38,7	01-57	01-72	30	31	588	SH SD, PROD (M)	
4166	3080	8,0				12-63		6	13	250	PENN SD (R)	*INCL ALL PAYS; *EST SINCE 1967
	3170	5,4				12-63	12-66	3	5	160		
	3200	19,0				12-63	12-67	7	20	960		
4177	3075	20,0	18,0	75		09-64		30	18	1127	PENN SD, PROD (R)	*ESTIMATED 1975-76
*4196	3170	18,0			39,0	08-65	12-72	20	19	480	PENN SD, PROD (R)	*ESTIMATED
3428	2800	10,0	18,0	50	39,0	04-64	6-74	30	25	500	PENN SD, PROD (R)	*ESTIMATED; *SWD SINCE 1974
	2900	10,0						1	2	40		
4190	3004	16,0			38,0	10-65		1	4	40	PENN SD, PROD (R)	*ESTIMATED
*1907	2615	10,0				06-52	12-54	1	20	20	PRODUCED (B)	*DUMP FLOOD, NO DATA
4079	3100	14,0	20,1	8	39,0	09-68		7	19	680	PENN SD (R)	*ESTIMATED
4081	3100	9,0				03-68		4	7	220	SH GRAVEL (F)	*CUMS, CORRECTED TO 1976 DATA
*4095	3060	10,0				02-69	02-72	3	2	40	SH GRAVEL (F)	
*4108	3016	10,0				02-54	12-61	2	2	80	PRODUCED (B)	*ESTIMATED
4157	3040	10,1	15,9	24	39,0	10-62		3	3	100	PURCHASED (R)	*CUMS, CORRECTED TO 1976 DATA
4191	3100	10,0	18,0	50	34,5	11-65		6	6	180	PENN SD, PROD (R)	*CUMS, CORRECTED TO 1976 DATA
4193	2960	14,0	19,0	30	39,0	01-65		10	10	280	SH GRAVEL (F)	*ESTIMATED
*4132	3255	6,0			38,0	01-58	07-59	1	1	40	CYPRESS, PROD (R)	
*4144	3150	13,0	19,0	85		11-60	01-64	9	10	150	PENN SD (R)	
302	2610	15,0	18,0	65	37,2	05-72		1	4	200	PRODUCED (B)	
304	2620	16,0	18,0		37,6	04-68		2	2	80	PENN SD, PROD (R)	*INJECTION STOPPED 2-3-73
	3000	25,0	15,0					4	7	280		
335	2596	17,0	15,3	24		07-61		8	7	320	PENN SD, PROD (B)	
	2957	15,0	15,0					3	5	280		
341	2960	15,0			38,0	8-71		1	4	60	PRODUCED (B)	
	3070	10,0	16,0			9-70		4	6	240		
349	2650	20,0	13,0	200		07-65		38	34	1480	PENN SD, PROD (B)	
	2900	20,0						8	12	200		
	3000	27,0						6	15	700		
358	2620	16,0	18,0	24	38,5	05-65		24	42	2300	PRODUCED (B)	*INCL FORMER C WILKIN
	2880	8,0	10,0					9	19	300		
	2950	11,0	18,5					11	15	400		
	3000	25,0	15,0					11	14	700		
1910	2670	8,0	15,0	24		10-60		5	6	180	CYPRESS, PROD (R)	
1911	2750	10,0				01-66		7	8	880	PRODUCED (B)	
1919	2720	37,0	18,0	87		07-65		16	28	1250	PENN SD, PROD (B)	
	2791	31,0						13	24	1320		
1922	2720	12,0				11-66		15	22	310	PRODUCED (B)	
	2900	11,0						12	18	570		
	3400	32,0						15	16	680		
1924	2720	11,0	18,5			08-68		4	4	200	PRODUCED (B)	
	2780	25,0	15,0					3	7	200		
	3297	13,0	11,0					4	5	360		
3404	2590	15,0	15,0	24	36,8	08-54		19	67	1550	PRODUCED (B)	
	2930	10,0						11	32	1702		
*3406	2984	6,0	15,0	75		05-57	03-66	2	3	340	CYPRESS, PROD (R)	*ESTIMATED
3418	2545	32,0	17,0	120		05-59		12	20	1640	PENN SD, PROD (R)	
3425	2620	20,0	15,0	75		12-63		9	8	500	PENN SD, PROD (R)	
	3000	20,0						5	7	400		
3429	2579	15,0	18,0	65		11-64		1	1	100	PENN SD, PROD (R)	
3431	2883	25,0	15,0	75		10-65		3	3	200	CYPRESS, PROD (B)	
	2967	7,0						3	3	229		
3434	2925	5,0				05-66		2*	1	300	PENN SD, PROD (B)	*INJECTION CEASED 2-73
	2950	5,0						3*	1	300		
3437	2838	25,0			38,5	06-68		1	3	80	SUB-SURFACE (R)	
	2838	25,0						1	3	80		
3438	2983	25,0	15,0		39,6	10-68		1	3	240	PRODUCED (B)	*EST; SWD SINCE 9-73
3440	2878	27,0	15,0		38,1	09-69		1	3	80	WATER SOURCE WELL (B)	
	2905	15,0	14,0					4	3	150		
3441	2940	11,0	18,0		38,5	04-70		2	1	120	PRODUCED (B)	
3442	2619	12,0				12-69		1	3	50	PENN SD (B)	
	2876	14,0						1	4	50		
3443	2550	10,0	17,0	50	38,8	09-71		5	4	160	PRODUCED (B)	
3446	2860	18,0				12-76		8	8	620	PRODUCED (B)	*UNIT EFFEC. 8-1-75
	2970	10,0						2	5	440		
	3090	20,0						1	4	160		
	3450	20,0						1	1	400		
4065	2639	15,0	18,0	65		09-56		8	6	620	PENN SD, PROD (B)	
4070	2640	15,0	18,0	65	38,6	10-71		2	7	60	WELL (B)	
	2945	15,0	16,0	77				1	3	60		
*4074	3025	14,0	16,0		38,6	05-69	11-73	3	1	80	PRODUCED (B)	
4075	2915	10,0				05-69		3	6	200	PRODUCED (B)	
	3018	8,0						3	5	200		
4076	3119	11,0			38,3	05-69		2	2	200	WELL, PROD (B)	
4080	2620	16,0	18,0		37,0	04-68		13	11	670	PENN SD, PROD (B)	
	2950	11,0	18,5					8	10	670		
	3000	25,0	15,0					11	18	874		
4091	2930	15,0	18,0		41,5	03-68		6	5	290		
	2990	4,0	15,0					5	6	290		
4097	2725	8,0	15,0	24	39,4	02-50		2	3	200	PENN SD, PROD (B)	*NO DATA BEFORE 1965
	3090	4,0						3	3	240		
*4099	3013	20,0	22,0	100	39,0	05-60	09-68	3	3	60	PRODUCED (B)	
4106	2975	20,0				01-67		14	15	460	WELL, PROD (M)	
	3030	6,0						4	4	160		
	3075	6,0						3	3	120		
4112	2950	14,0	19,0	73		09-54		37	35	830	PENN SD, PROD (B)	*INJ. 013C, 12-71
*4113	2950	15,0	19,0	106		01-56	05-69	14	12	510	PENN SD, PROD (B)	
4114	3070	10,0	13,0	200		01-54		2	5	1810	PRODUCED (B)	
4131	2930	17,0	19,0	106		11-57		16	18	640	PENN SD, PROD (B)	
4135	2990	8,0				12-66		16	16	893	PENN SD, PROD (B)	
	3090	4,0						3	8	450		

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
					Water injection		Oil production		Water production		
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Location S - T - R	Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76	
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY CONTINUED											
	4142	UNION OIL CALIF.	ELM RIVER U	AUX VASES MCCLOSKEY	30,31-2N-8E	292	6668	8,2	554	163	3278
	4143	UNION OIL CALIF.	FELLER FLOOD CONSLO	AUX VASES	5,6,7,8-1N-8E	445	14348	17,2	174,3	486	9793
	*4152	UNION OIL CALIF.	OREGON SCHOOL U	AUX VASES	20,21,28,29-1S-8E		7839		185		1579
	4153	UNION OIL CALIF.	SE ENTERPRISE U	AUX VASES	24-1N-8E	1	1114	2,5	63	1	221
	4164	UNION OIL CALIF.	E, JORDAN SCHOOL C	AUX VASES MCCLOSKEY	1-1N-7E,6-1N-8E, 35,36-2N-7E	2191	36655*	54,1	3080*	1895	22169*
	4176	UNION OIL CALIF.	S JORDAN SCHOOL U	AUX VASES	11,12-1N-7E,7-1N-8E	924	14190	33,6	1541	695	5809
	4185	UNION OIL CALIF.	ZIF CONSLO	CYPRESS AUX VASES MCCLOSKEY	4-1N-8E) 33,34-2N-8E	1020	13942	44,3	1696	924	7420
	4187	UNION OIL CALIF.	SOUTH CISNE CONSLO	AUX VASES MCCLOSKEY	27,34-1N-7E	78	4872	4,3	128	80	984
	4188	UNION OIL CALIF.	N CISNE U	AUX VASES MCCLOSKEY	22,27-1N-7E	220	3524	6,7	244	245	3717
	4192	UNION OIL CALIF.	J, P, HOLT=A	AUX VASES MCCLOSKEY	30-1N-8E	74	152	7,9	13	15	28
	*4136	VERNE H, VAUGHN	BLESSING-CHRISHAN U	AUX VASES	31,32-1N-8E		623		180		270
	*4098	W AND W WELL SERVICE	DAVIS, JONES & WHITLOCK	AUX VASES	9-1S-7E	30*	645*	1,8*	157*	30*	530*
	*4180	WATKINS DRILLING	WATKINS-WHITLOCK	AUX VASES	9-1S-7E		152		45		143
	4151	H, WEINERT EST,	SOUTH BOYLESTON UNIT	AUX VASES	3,4,9,10-2S-7E	361	5427	6,3	337		
	4162	H, WEINERT EST,	NORTH BOYLESTON UNIT	AUX VASES MCCLOSKEY	33,34-1S-7E) 3,4-2S-7E	1007	15660	13,4	762		
	1926	WICHITA INDUSTRIES	EAST NEWTON WF	MCCLOSKEY	22,23,26,27-7N-10E	700*	4124*	115,1*	491*	550*	1537*
	*4110	M, J, WILLIAMS	COVINGTON UNIT	OHARA MCCLOSKEY	25-1S-6E) 19,20,29,30, 31,32,33-1S-7E		26912*		1689*		14374*
	345	ZANETIS OIL PROP	STANFORD LEASES	AUX VASES	3,4,10-2N-7E	125*	1673*	5,9*	190*	125*	1673*
	*1908	ZANETIS OIL PROP	P, KELLY 3	SPAR MTN	1-5N-9E		184		8		312
	*1909	ZANETIS OIL PROP	C, HARVEY 2	SPAR MTN	12-5N-9E		457		2		
	*1917	ZANETIS OIL PROP	HINES-DCHS 'A' ETAL	SPAR MTN	4,9-5N-10E		77		14		27
	1921	ZANETIS OIL PROP	KELLER 'A'-PAYNE HRS,	AUX VASES SPAR MTN	5,6-5N-10E	225*	2690*	50,9*	594*	225*	2690*
	*4096	ZANETIS OIL PROP	SHAW	SALEM AUX VASES	34-1S-8E		142		12		24
COIL, WAYNE											
	4077	BELL BROTHERS	COIL U	AUX VASES	17,18,19-1S-5E	312	4139	36,4	725	248	1465
	4100	W, C, MCARIOE	YOUNGBLOOD U	AUX VASES	19-1S-5E	116	1698	17,8	362	110	1101
COIL W, JEFFERSON											
	*2011	GULF OIL CO	COIL W U	AUX VASES	14,15,22,23-1S-4E		1319		82*		749*
	*2012	GULF OIL CO	COIL W U	MCCLOSKEY	22-1S-4E		81		*		*
	2026	STONE OIL CO	FARRINGTON	ST LOUIS	24-1S-4E	120	1062	8,1	195	56	377
CONCORD C, WHITE											
	*4281	ABSMER OIL CO	CONCORD UNIT	TAR SPRINGS	28-6S-10E		1169*		251**		339*
	*4208	C, E, BREHH	CONCORD N UNIT	AUX VASES	10-6S-10E		637		66		
	*4228	GT LAKES CARBON	MCCLOSKEY	SPAR MTN	28-6S-10E		233		5		44
	4439	JIM MALEY	TULEY	MCCLOSKEY CYPRESS	21-6S-10E	10*	110*	1,0*	23*	10*	110*
	*4309	HUMBLE O AND R	CONCORD CO-OP	AUX VASES TAR SPRINGS	28-6S-10E		1179		143		379
	*4205	BARRON KIDD	KERWIN-CONCORD	MCCLOSKEY	21-6S-10E		342		12		77
	*4299	D, R, LEAVELL	CONCORD	TAR SPRINGS	21,22,2A-6S-10E		3964		402		1910
	*4331	O, R, LEAVELL	CONCORD	AUX VASES	28-6S-10E		370		55		289
	*4332	O, R, LEAVELL	TULEY	CYPRESS	21,22-6S-10E		1276		57		455
	*4358	O, R, LEAVELL	TULEY	AUX VASES	21-6S-10E		141*		24*		66*
	4206	PHILLIPS PET, CO	KERWIN	CYPRESS AUX VASES SPAR MTN	21-6S-10E	80	3105	8,7	293	84	1939
	*4229	PHILLIPS PET, CO	DALLAS	MCCLOSKEY SPAR MTN	28-6S-10E		247		3		42
	4207	REBSTOCK OIL CO,	TULEY	MCCLOSKEY CYPRESS	21-6S-10E	45*	2547*	3,6*	195*	45*	1743*
	*4325	THUNOERBIRD OIL	N CONCORD U	MCCLOSKEY HAROTNSBURG	9,10-6S-10E		8492		903		5632
CONCORD E C, WHITE											
	*4233	H, E, GARRETT	PEARCE U	CYPRESS	35-6S-10E, 2-7S-10E		310*		12*		117*
COOKS HILLS C, COLES, DOUGLAS											
	* 522	CHARLES R. GRAY	COMBES ESTATE	SPAR MTN	24-14N-7E		76		1		
	* 802	CHARLES R. GRAY	LOGAN-MOORE	SPAR MTN	13-14N-7E		61		1		
	* 510	KUYKENDALL ORLG,	BRADLEY WF	SPAR MTN	26,27,34,35-14N-7E		1914		56		875
	* 513	KUYKENDALL ORLG,	EASTON WF	SPAR MTN	27-14N-7E		556		12		243
	* 505	S AND H OIL CO,	COOKS MILLS UNIT	SPAR MTN,	9,15,16-13N-7E		3620		262		2800
	* 508	SCHAEFER OIL CO,	COOKS MILLS U	SPAR MTN	18,19,20,30-14N-8E, 13,24,25-14N- 7E		3165		211		954
COROES, WASHINGTON											
	4010	MOBIL OIL CORP,	GILL EST,, P,KOZUSZEK	BENOIST	26-3S-3W	389	3759	11,2*	1567*	270	3322
	4000	SHELL OIL CO,	COROES COOP	BENOIST	14,15,22,23-3S-3W	637	27807	52,4	4966	753	31612
CORINTH, WILLIAMSON											
	4504	C, E, BREHM	CORINTH UNIT	AUX VASES	29-8S-4E	72	87	9,4	21		
COVINGTON S, WAYNE											
	*4120	DONALD G, GEARY	HEIOINGER-VOGEL	MCCLOSKEY	13-2S-6E		51		*		
CROSSVILLE W, WHITE											
	*4404	CONTINENTAL OIL	CROSSVILLE WEST U	AUX VASES SPAR MTN MCCLOSKEY	15,16-4S-10E		1199		46		245



Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (°API)	Date first in.	Date abd.	No. of wells Inj. Prod.	Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
CLAY CITY C, CLAY, JASPER, RICHLAND, WAY CONTINUED												
4142	2910	20.0	18.0	47		09-58		5 7	210	PENN SD, PROD (B)		
	3010	10.0						3 5	40			
4143	2950	16.0	16.0	77		09-58		20 17	1044	PENN SD, PROD (B)		
*4152	3186	14.0	19.0	35		01-61	0A-67	14 13	280	PENN SD, PROD (B)		
*4153	2992	12.0	19.0	75		05-61		1 2	70	PENN SD, PROD (B)		
4164	2950	15.0	19.0	77		01-63		35 24	1110	PENN SD, PROD (B)		*INCL DROPPED PROJ 4096
	3030	5.0						8 A	400			
4176	2930	23.0	18.0	75		08-64		15 9	880	PENN SD, PROD (B)		
4185	2640	15.0	18.0	75		12-64		2 3	60	PENN SD, PROD (B)		
	2945	15.0						19 20	820			
	3023	5.0						11 12	750			
4187	3005	35.0	18.0	75		12-64		10 7	400	PENN SD, PROD (B)		
	3130	20.0						2 5	200			
4188	3005	35.0	18.0	75		11-64		12 7	640	PENN SD, PROD (B)		
	3100	18.0						4 4	200			
4192						01-75		1 2	40	PRODUCED (B)		
								1 2	40			
*4136	3050	18.0				04-59	12-74	2 2	50	CYPRESS (B)		
*4098	3128	20.0				12-59	06-75	4 7	130+	PENN SD, PROD (B)		*EST +COMBINED TOTAL
*4180	3129	11.0	18.0	75	38.0	11-59	10-66	1 1	40	POND, PROD (M)		
4151	3100	16.0				04-61		4 5	100	PENN SD, PROD (B)		
4162	3094	16.0				02-62		5 8	130	PENN SD (B)		
	3240	10.0						7 18	600			
1926	2760	15.0	15.0	25	40.0	10-71		5 14	620	CYP, PROD (B)		*ESTIMATED
*4110	3200	8.0	14.0	80	38.0	06-55	01-72	12 13	1600	PENN SD, PROD (B)		*ESTIMATED 1967-69 AND DATA 70-71
	3250	6.0	13.0	300				21 20	1900			
345	2900	15.0			37.8	07-64		1 5	20	PRODUCED (B)		*ESTIMATED 1976
*1908	2941	5.0			41.0	11-58	01-70	1 1	40	CYPRESS, PROD (B)		
*1909	2954	6.0			40.4	11-58	10-65	1 1	40	CYPRESS, PROD (B)		
*1917	2810	6.0			40.0	08-64	12-66	1 1	60	CYPRESS, PROD (B)		
1921	2760	25.0	15.5	10	39.4	01-66		6 13	240	PRODUCED (B)		*ESTIMATED 1976
	2855	5.0						4 10	260			
	3265	15.0						2 7	130			
*4096	3118	25.0			40.2	07-68	08-70	2 4	80	PURCHASED (B)		
COIL, WAYNE												
4077	2900	15.2	19.7			01-69		6 5	240	PENN SD, PROD (B)		
4100	2860	13.0	21.0	120		05-66		3 3	90	PENN SD, PROD (B)		
COIL W, JEFFERSON												
*2011	2700	10.0	19.0	160		01-61	10-63	5 4	95	PENN SD, PROD (B)		*INCL 2012
*2012	2880	8.0				01-61	02-63	1 2	30	PENN SD, PROD (B)		*INCL WITH 2011
2026	3000	8.0				06-69		3 7	160	PENN SD, PROD (B)		
CONCORD C, WHITE												
*4281	2279	11.0			36.4	09-59	01-72	4 3	80	PRODUCED (B)		*EST 1965-71+INC PRM PROD 1959-71
*4208	2950	12.0	21.1	218	35.1	10-52	10-62	2 2	40	GRAVEL, PENN SD (M)		
*4228	2980	17.0			37.5	06-53	01-56	3 8	140	GRAVEL BED (F)		
	3020	5.0						3 5	140			
4439	2630	8.0				06-62		1 1	20	PRODUCED (B)		*ESTIMATED
	2980	6.0						1 1	20			
*4309	2260	10.0	20.9	75	36.0	12-60	12-67	2 3	50	SH SD, PROD (M)		
	2890	11.0	20.9	75				1 1	20			
*4205	3003	16.0				01-55	01-59	1 3	30	SH SD (F)		
*4299	2260	15.0	16.0	175	37.0	08-60	07-67	10 10	210	SH SD, PROD (M)		
*4331	2890	21.0	20.0	75	37.5	01-61	10-67	3 4	50	SH SD, PROD (M)		
*4332	2600	12.0	16.0	135	36.5	10-61	10-66	6 3	130	SH SD, PROD (M)		
*4358	2900	15.0			37.3	03-62	01-72	2 1	20	PRODUCED (B)		*NO DATA 1967-1971
4206	2620	12.0			37.0	07-53		1 1	20	SH SD, PROD (M)		
	2890	13.0						5 2	80			
	2980	4.0						1 1	40			
	3020	9.0						1 2	40			
*4229	2960	15.0	15.0	50	36.0	08-53	11-57	1 3	40	SH SD, PROD (M)		
	3020	15.0						1 3	40			
4207	2620	21.0			37.0	07-51		1 2	20	SH SD, PROD (M)		*ESTIMATED SINCE 1969
	2900	22.0						1 3	30			
	3040	5.0						1 2	100			
*4325	2500	12.0	17.5	300	39.0	11-61	01-71	9 9	313	GRAVEL, PROD (M)		
CONCORD E C, WHITE												
*4233	2550	11.0	14.3	92	36.0	12-66	12-74	4 4	90	SH GRAV, PROD (M)		*ESTIMATED SINCE 1970
COOKS HILLS C, COLES, DOUGLAS												
*522	1778	5.0	11.3		37.0	04-63	01-65	2 3	60	SH SD (F)		
*802	1777	12.0	16.0	41		04-63	01-65	2 2	40	SH SD, PROD (M)		
*510	1800	12.0	17.5	195	38.0	04-62	12-68	7 5	140	SH SD, PROD (M)		
*513	1800	12.0	17.5	195	38.0	04-62	11-68	3 1	40	SH SD, PROD (M)		
*505	1800	12.0	17.0	250	36.0	01-61	01-68	8 24	320	RIVER, PROD (M)		
*508	1780	10.0	13.5	160	39.0	11-61	12-72	4 6	400	PENN SD (B)		
COROES, WASHINGTON												
4010	1270	12.0	20.0	250	37.0	09-65		4 9	180	PRODUCED (B)		*INCL PRIM PROD SINCE 9-65
4000	1230	14.0	20.0	250	37.2	08-50		16 21	935	PENN SD, PROD (B)		
CORINTH, WILLIAMSON												
4504		12.0			38.0	11-75		1 4	90	PENN SD (B)		
COVINGTON S, WAYNE												
*4120	3316	4.0				11-57	10-59	1 1	80	CYPRESS, PROD (B)		*NO WF OIL RECOVERED
CROSSVILLE W, WHITE												
*4404	3010	16.0				03-65	03-69	2 5	70	PRODUCED (B)		
	3190	6.0						1 1	100			
	3110	4.0						1 4				

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)					
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Location S - T - R	Water injection		Oil production		Water production	
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
DALE C, FRANKLIN, HAMILTON, SALINE										
*1309	C. E. BREHM	WESTBROOK	AUX VASES	1-7S-4E, 6-7S-5E		1015		110		
*1513	C. E. BREHM	CANTRELL U	AUX VASES	4, 5-7S-5F, 33-6S-5E		3007		340		244*
*1534	C. E. BREHM	HOGAN U	AUX VASES	9, 16-7S-5E		2427		73		276*
*1544	C. E. BREHM	P. M. SMITH	AUX VASES	33-6S-5E, 4-7S-5F		1548		275		637*
*1545	C. E. BREHM	RURAL HILL S	AUX VASES	33, 34-6S-5E, 3, 4-7S-5E		1371		10		93*
*1552	C. E. BREHM	MOORE U	AUX VASES	29, 30-5S-6E		737		13		104*
*1553	C. E. BREHM	CRDW U	AUX VASES	30, 31-6S-5E		1282		155		101*
3622	C. E. BREHM	WEST END	AUX VASES	19, 20, 30-7S-5E, 25-7S-4E	212	7528	12, 5	699	148*	1916*
3620	C B C OIL CO	RALEY	AUX VASES	29-7S-5E	85*	533*	6, 0*	6*	85*	523*
1556	JOE A. DULL	DALE W WF	AUX VASES	6-7S-5E	20*	556*	1, 5*	55*	20*	224*
*1564	DUNCAN LSE+ROY	KNIGHT	AUX VASES	9-6S-6F		935		28		
*1520	FARRAR OIL CO.	TEDFORD	AUX VASES	26-5S-6E		436		138*		256*
*1525	FARRAR OIL CO.	TEDFORD	BETHEL	26-5S-6E		62		*		*
1566	FARRAR OIL CO.	NW RURAL HILL U	AUX VASES	21-6S-5E	180	1439*	5, 0	324*	150*	494*
1575	FARRAR OIL CO.	URIAM FOSTER	AUX VASES	22-6S-5E	75*	335*	12, 6*	40*	75*	335*
*1547	T. W. GEORGE EST.	CANTRELL S. UNIT	AUX VASES	7, 18-7S-5E		3259		512		1640
1526	HERMAN GRAHAM	J. M. STELLE	AUX VASES	27-5S-6E	15*	1758*	1, 3*	124*	15*	1709*
1528	HERMAN GRAHAM	DALE-HOODVILL COOP	BETHEL	27-5S-6E		319				
*1537	HERMAN GRAHAM	NELLIE PORTER	CYPRESS	34-5S-6E	20*	542*	1, 6*	233**	20*	2422**
			BETHEL			407*		17*		256*
			AUX VASES			2495*		255*		1820*
*1510	GULF OIL CO	W RURAL HILL U	AUX VASES	11, 14, 15, 22, 23-6S-5E		10312		1405*		5499*
*1511	GULF OIL CO	W RURAL HILL U	OHARA	11-6S-5E		695		*		*
*1559	GULF OIL CO	M. E. PARKS 'B'	OHARA	34-6S-5E		179		4		48
*1536	DAVID F. HERLEY	WEST END	AUX VASES	8-7S-5E		2262		283		680*
*1501	INLAND PRODUCERS	N RURAL HILL U	AUX VASES	5, 6, 7, 8-6S-6E		3372		293		1536
*1523	E. M. KAUFMAN	N. RURAL HILL U	AUX VASES	11, 12-6S-5E		1900		119*		1018
*1524	E. M. KAUFMAN	S. E. RURAL HILL U	AUX VASES	18, 19-6S-6E		2312		247*		1492
1549	E. M. KAUFMAN	SW RURAL HILL UNIT	AUX VASES	23-6S-5E	40	190*	3, 0	160*	40	1621*
1563	LADO PETROLEUM	0000-WILSON U	CYPRESS	6-6S-7E	451	15926	14, 3	1373	457	7824
			BETHEL							
1557	MAC OIL COMPANY	BURNETT WF UNIT	AUX VASES	1-7S-5E	24	907	1, 3	69	24	416
*1533	MARATHON OIL CO.	OGLESBY-GRISWOLD	AUX VASES	17-6S-6E		211		2		16
1561	MARATHON OIL CO.	BRILL UNIT	HAROINSBURG	6-6S-7E	246	9012	8, 5	677	398	5542
			CYPRESS							
			BETHEL							
1565	MARATHON OIL CO.	M. C. MOORE	AUX VASES	26, 34, 35-6S-5E	89	5544	5, 9	271	86	1759
*1543	MARION CORP	FRIEL	OHARA	34-5S-6E		3044		255		1592
1548	W. C. MCBR10E	BENEFIEL-ARNOLO	AUX VASES	16, 21-6S-7E	214	3687	7, 8	235	204	2254
*1502	PHILLIPS PET. CO	CANTRELL U	MCCLOSKEY							
1568	POLLACK BROS.	ADA DIAL #2	AUX VASES	5, 6, 7-7S-5E		1814		161		1116
1514	SHELL OIL CO.	RURAL HILL UNIT	OHARA	8-6S-6E	75*	509*	3, 9*	54*	75*	335*
			AUX VASES	11, 12, 13, 14, 23, 24-6S-5E, 7, 18-6S-6E	130	64073	11, 9	4873	294	43458
			OHARA							
			MCCLOSKEY							
*1512	SHERMAN DRG	RURAL HILL	AUX VASES	13, 23, 24-6S-5E		5700*		674*		4124*
			OHARA							
*1535	JOE SIMPKINS OIL	BARKER	AUX VASES	24-6S-5E		543		74		261
*1567	JOE SIMPKINS OIL	DALE COOP	AUX VASES	10, 15, 16-6S-5E		200*		15*		135*
*1507	STEWART PRODUCERS	BILL JONES	AUX VASES	8-6S-6E		171		17		4
*1516	STEWART PRODUCERS	CRAOOCK-ARMES	AUX VASES	19-6S-6E		203*		15*		96*
*1531	STEWART PRODUCERS	WILLIAMS HEIRS COOP	AUX VASES	9, 10-6S-6E		272		4		130
*1539	STEWART PRODUCERS	FLANNIGAN U	AUX VASES	28, 29-6S-5E		722		14		142
*1540	STEWART PRODUCERS	HUNGATE U	AUX VASES	28-6S-5E		506		27		116
*1541	STEWART PRODUCERS	BRUMIT U	AUX VASES	6, 7-6S-6E		266		190		151
*1562	STEWART PRODUCERS	JONES 2	AUX VASES	18-6S-6E		291*		93*		105*
*1504	TEXACO, INC.	WEST DALE UNIT	AUX VASES	11-6S-6E		6476		614		3334
*1508	TEXACO, INC.	MOOD-CAREY UNIT	AUX VASES	3-6S-6E		847		*		*
*1509	TEXACO, INC.	MOOD-CAREY UNIT	BETHEL	3-6S-6E		1109		250*		1910*
*1538	TEXACO, INC.	VAUGHAN+BROCKETT COOP	AUX VASES	17, 18-6S-6E		1237		82		728
1560	TEXACO, INC.	DALE UNIT	TAR SPRINGS	1, 2, 11, 12, 13-6S-6E, 5,	1596*	16157	207, 0*	9597*	10098*	119244*
			HAROINSBURG	6, 7, 8, 17, 18, 19-6S-7E		1268				
			CYPRESS			1096*		24062		
			BETHEL			1793*		36635		
1542	UNION OIL CALIF.	DALE COOP	AUX VASES	36-5S-6E, 31-5S-7F,	964	26754	30, 0	2038	724	12805
			TAR SPRINGS	6, 7-6S-7E						
			HAROINSBURG							
			CYPRESS							
			BETHEL							
3625	PAUL ZIEGLAR	WEST END UNIT	AUX VASES	17, 19, 20-7S-5E	75*	2641*	5, 1*	219*	75*	1449*
OEERING CITY, FRANKLIN										
1319	FARRAR OIL CO.	PEABODY COAL	AUX VASES	9-7S-3E	30*	479*	1, 9*	118**	30*	399*
OIVIOE C, JEFFERSON										
2007	DEVON CORP.	PRITCHARD HRS	AUX VASES	20-1S-4E	31	251	5, 9	70	23	106*
2015	DEVON CORP.	OELLA MCELRAVY	AUX VASES	17-1S-4E	22	221	1, 5	28	22	124
*2002	GULF OIL CO	W. D. HOLLOWAY	MCCLOSKEY	21-1S-4E		2707		185		2294
2027	E HOMER JAHN	MINOR UNIT	SPAR MTN	23-1S-3E		*		10, 3*		225*
2021	TEXACO, INC.	WEST DIVIDE U	SPAR MTN	13, 14, 15, 22, 23,	2517	28528	46, 2	1342	1843	19191
			MCCLOSKEY	26-1S-3E						
OU801S C, WASHINGTON										
4007	N. A. BALDRIDGE	KAMINSKI	CYPRESS	7, 8, 17-3S-1W	130*	1230*	8, 1*	135*	130*	850*
4006	E. E. FLIPPIN	KLAYBOR	CYPRESS	17-3S-1W	50*	819*	2, 6*	105*	50*	782*
4001	HARRY HABRY	O O PECK	CYPRESS	20-3S-1W	20*	318*	1, 7*	12*	20*	139*
*4003	HARRY HABRY	PEEK	CYPRESS	20-3S-1W		68		16		5

in Illinois, 1976 - continued

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity ("API)	Date first inj.	Date abd.	No. of wells Inj. Prod.	Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
<b>DALE C, FRANKLIN, HAMILTON, SALINE</b>												
*1309	3230	8.0	17.0	150	38.0	08-59	01-70	3	4	80	PENN 30, PROD (R)	
*1513	3150	15.0	17.0	150	39.0	01-59	01-70	11	14	250	CYPRESS, PROD (R)	*1966-67 DATA ONLY
*1534	3300	11.3	19.0	150	38.0	06-62	05-71	2	10	130	PENN 30, PROD (R)	*1965-67 DATA ONLY
*1544	3150	22.0	17.0	200	38.0	03-63	09-73	3	14	170	PENN 30, PROD (R)	*ESTIMATED
*1545	3250	22.0	17.0	200	38.0	04-63	03-68	5	9	150	PENN 30, PROD (R)	*1965-66 DATA ONLY
*1552	3250	14.0			37.0	04-65	06-69	3	7	130	PENN 30, PROD (R)	*THRU 1967 ONLY
*1553	3250	14.0			37.0	04-65	01-73	3	6	110	PENN 30, PROD (R)	*THRU 1967 ONLY
3622	3140	20.0	17.0	150	38.0	06-63		7	36	420	PENN 30, PROD (R)	*ESTIMATED
3620	3130	8.0				11-69		1	4	50	PRODUCED (R)	*ESTIMATED
1556	3260	10.0	18.0	85	38.0	12-65		1	3	80	PENN 30, PROD (R)	*ESTIMATED
*1564	3064	30.0				09-61	01-70	2	4	60	PRODUCED (R)	
*1520	3050	20.0				07-61	12-66	2	1	40	PURCHASED (R)	*INCL 1525
*1525	2957	15.0				07-61	07-63	1	2	30	PURCHASED (R)	*INCL WITH 1520
1566	3200	27.0	17.0	100	38.5	08-69		4	3	40	PRODUCED (R)	*ESTIMATED
1575	3190	18.0				09-71		1	2	30	PRODUCED (R)	*ESTIMATED
*1547	3125	20.0	20.5	122	39.4	09-60	12-68	11	9	220	PENN 30, PROD (R)	
1526	3034	11.0	14.0	120		08-61		2	2	60	PALESTINE, PROD (R)	*ESTIMATED
1528	2950	11.0	14.8	117	37.0	07-61	07-64	6	9	150	PALESTINE, PROD (R)	*ESTIMATED; *INCL BOTH PAYS
	3050	13.0	20.0	116	37.0	07-61		7	8	150		
*1537	2730	12.0	18.0			5-68	06-76	4	4	80	PRODUCED (R)	*EST +BETHEL AND AUX VASES DATA
	2900	20.0	16.0			8-62	9-68	4	4	80		
	3050	10.0	18.0			08-62		4	4	80		
*1510	3100	21.0	19.1	96	37.0	06-59	05-64	24	21	640	CYPRESS, PROD (R)	*INCL 1511
*1511	3173	19.0			40.4	06-59	05-64	2	1	30	PRODUCED (R)	*INCL WITH 1510
*1559	3350	14.0	15.0	35	38.0	09-65	05-67	2	4	60	SH 30 (F)	
*1536	3250	18.0	20.0	340	40.0	12-62	11-68	7	8	150	PENN 30, PROD (R)	*ESTIMATED SINCE 1965
*1501	3125	14.7	23.9		39.0	02-52	04-59	15	18	310	CYPRESS (R)	
*1523	3150	15.0			38.0	01-61	12-67	5	5	110	CYPRESS, PROD (R)	*INCL PRIM PROD SINCE 1-61
*1524	3190	20.0			38.0	09-61	02-70	4	8	120	CYPRESS, PROD (R)	*INCL PRIM PROD SINCE 9-61
1549	3120	15.0			38.0	02-63		5	4	110	PENN 30, PROD (R)	*CUMS, CORRECTED TO 1976 DATA
1563	2710	20.0			37.0	01-65		6	5	200	HARDINSBURG, PROD (R)	
	2875	15.0						5	5	200		
	2950	20.0						5	5	200		
1557	3215	20.0	16.0	65	38.0	03-62		1	3	40	PENN 30, PROD (R)	
*1533	3250	16.0	18.0	80		06-62	12-66	1	1	20	PENN 30, PROD (R)	
1561	2750	4.0				01-65		1	1	20	CYPRESS, PROD (R)	
	3000	20.0						4	4	130		
	3130	20.0						4	4	130		
	3210	15.0						4	4	130		
1565	3315	15.0	18.0	100		06-65		6	7	200	CYPRESS WSW, PROD (R)	
	3350	10.0	14.0	40				1	1	40		
*1543	2940	23.0	15.0	150	39.5	09-62	05-69	1	3	130	PALESTINE, PROD (R)	
	3050	16.0	17.0	100				2	3	130		
1548	3080	15.0	17.0	78		11-63		6	9	240	PENN 30, PROD (R)	
	3220	8.0				1-65	9-73	1	1	20		
*1502	3200	15.0	18.0	75	38.0	08-55	10-62	5	7	130	PENN, PROD (R)	
1568	3102	14.0			37.5	07-70		1	2	30	PRODUCED (R)	*ESTIMATED
1514	3120	20.9	19.0	96	39.4	09-58		46	18	1890	HARD, CYP, PROD (R)	
	3195	10.1	15.0	73				17	27	920		
	3300	12.4	17.0	75				9	13			
*1512	3108	17.5	19.1	97	38.0	05-59	12-70	11	11	250	PURCHASED, PROD (R)	*ESTIMATED 1969-1970
	3192	8.5						1	4	60		
*1535	3200	20.0	19.1	97	38.0	11-62	03-67	2	2	40	GRAVEL BED (F)	
*1567	3170	3.0				08-70	12-71	15	40	640	PENN 30 (B)	*ALL DATA ARE ESTIMATED
*1507	3088	22.0				08-58	07-61	1	2	30	CYPRESS (R)	
*1516	3120	20.0	12.0	90	37.0	09-60	03-69	3	4	80	PURCHASED (R)	*NO DATA 1969
*1531	3090	20.0	12.0	90	37.0	07-61	12-65	2	2	40	MCCLOSKEY (R)	
*1539	3240	20.0	12.0	90	37.0	09-62	06-67	4	6	100	PENN 30, PROD (R)	
*1540	3244	20.0	12.0	90	37.0	12-62	06-67	2	4	60	PENN 30, PROD (R)	
*1541	3180	20.0	12.0	90	37.0	10-59	12-71	3	3	60	CYPRESS 30, PROD (R)	
*1562	3166	20.0	12.0	90	37.0	11-62	01-72	1	2	40	PURCHASED (R)	*INACTIVE 1968-1972
*1504	3050	14.0	17.0	125	38.0	07-51	09-67	6	15	260	PENN 30, PROD (R)	
*1508	3050	26.0	19.0	109	37.0	06-58	12-68	5	8	130	HARDINSBURG, PROD (R)	*INCL WITH 1509
*1509	2950	26.0	17.5	126	37.0	06-58	12-68	5	8	130	HARDINSBURG, PROD (R)	*INCL 1508
*1538	3150	18.0	21.4	149	38.8	03-62	11-68	5	10	180	PENN 30, PROD (R)	
1560	2400	18.5	18.0	52	36.0	07-65		14	14	497	PENN 30, PROD (R)	*ESTIMATED FROM TOTAL INJECTION
	2475	8.5				01-65	07-71	3	4	328		*INCL ALL PAYS
	2680	13.3	15.3	109	36.0	01-65		33	33	2399		
	2900	18.0	13.0	22	36.0	01-65		48	56	3040		
	2980	16.5	17.3	66	37.0	01-65		60	58	3192		
1542	2320	15.0	18.0	150		06-63		1	2	30	PENN 30, PROD (R)	
	2500	16.0						1	2	30		
	2700	15.0						13	16	290		
	2920	22.0						15	15	400		
	3020	25.0						10	10	200		
3625	3150	15.0	18.0	75	37.0	01-56		3	7	110	PRODUCED (R)	*ESTIMATED
<b>DEERING CITY, FRANKLIN</b>												
1319	2800	15.0			38.2	07-61		1	4	50	PRODUCED (R)	*INCL PRIM; *ESTIMATED
<b>DIVIDE C, JEFFERSON</b>												
2007	2612	8.0				08-69		1	2	40	CYPRESS (R)	
2015	2658	20.0			37.8	08-69		1	3	50	CYPRESS (R)	
*2002	2805	6.9	18.0		36.6	05-55	09-65	1	5	60	PRODUCED (R)	
2027	2680	12.0				10-65		6	6	60		*ADJACENT TO ACTIVE WF *EST
2021	2710	6.0	13.0	67	37.0	11-64		1	7	1245	PENN 30, PROD (R)	
	2750	13.0	13.8	1033	37.0			17	16			
<b>DUBOIS C, WASHINGTON</b>												
4007	1250	9.5				01-63		6	16	250	PRODUCED (R)	*ESTIMATED
4006	1250	10.0			37.0	10-61		2	8	40	BENOIST, PROD (R)	*ESTIMATED
4001	1260	10.0				11-68		1	4	50	PRODUCED (R)	*ESTIMATED SINCE 1970
*4003	1232	12.0			37.0	12-59	08-64	1	2	40	TAR SPR, PROD (R)	

TABLE 11. Waterflood operations

Field, County	General information					Production and injection statistics (M bbl)					
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
DUDLEY, EOGAR											
900 BARR-MOMAN-ROBSON	BABER LSE	L DUDLEY	9-13N-13W	200*	1100*	36.5*	341*	200*	1100*		
903 BARR-MOMAN-ROBSON	BABER LSE #2	L DUDLEY	9-13N-13W	70*	293*	5.8*	34*	70*	293*		
904 JUOITM NEUMAN	STEIOL	L DUDLEY	3-13N-13W	29	457*	3.0*	32**	29	457*		
901 ODIS PATTILLO EST	ZITA MUKILL	L DUDLEY	3-13N-13W	24*	332*	5.7*	59*	24*	332*		
902 ODIS PATTILLO EST	A STAUB LSE	L DUDLEY	4-13N-13W	40*	296*	11.6*	92*	40*	296*		
EOINBURG W, CHRISTIAN, SANGAMDN											
103 ODN HANKS	EDINBURG W U	SILURIAN	8,16,17-14N-3W	4	1055	11.3	144*	4	687		
ELDORADO C, SALINE											
*3614 BUFAY OIL CO	SPRICH-LORCH	WALTERSBURG	35-8S-6E		137		24				
*3610 MAR-KEN OIL CO.	SOUTHWEST U	WALTERSBURG	20,21-8S-7E		6703		663		2897		
3611 MAR-KEN OIL CO.	CENTRAL U	WALTERSBURG	15,16,21-8S-7E	1016	20063	29.3	1895	674	3736		
3621 MAR-KEN OIL CO.	WEST UNIT	PALESTINE	20-8S-7E	564	2726	29.4	66	56	183		
		BETHEL									
		AUX VASES									
3624 LOUIS KAPP	ELDORADO NW	WALTERSBURG	9,16,17-8S-7E	140	530	4.3	22	25*	75*		
		AUX VASES									
*3603 FRANK KING	ENDICOTT U	WALTERSBURG	2-8S-7E		221		21		42		
*3609 W. C. MCBRIOE	CYP. ELDORADO NE UNIT	CYPRESS	10,15-8S-7E		633		58		127		
3612 MISTY OIL CO	VICTOR SUTTNER C	AUX VASES	7-8S-7E	75*	338*	5.0*	63*	75*	404*		
3605 THE NELSON CO.	WALT. ELDORADO NE U	WALTERSBURG	10,11,15-8S-7E	239	17505	7.9	1548*	252	7735		
3600 SHAKESPEARE OIL	NW ELDORADO U	TAR SPRINGS	8-8S-7E	191	1032	14.7	62	52	179		
		MARINSBURG									
		AUX VASES									
ELDORADO E, SALINE											
*3607 G. L. REASOR OIL	PORTER	AUX VASES	23-8S-7E		373		35		41		
ELLERY E, EDWARDS											
*1007 T. E. CROSLY	ELLERY EAST UNIT	AUX VASES	27,34-2S-10E		1639*		433**		837**		
*1019 T. E. CROSLY	ELLERY E U	OHARA	27,34-2S-10E		1673*						
ELLIOTTSTOWN N, EFFINGHAM											
*1101 VIRGIL STREETER	N ELLIOTTSTOWN	MCCLOSKEY	17,20-7N-7E		529*		99*		263*		
ENERGY, WILLIAMSON											
4502 A. B. VAUGHN	ENERGY WF	AUX VASES	3,4-9S-2E.	360*	587*	9.6*	68*	360*	483*		
ENFIELD, WHITE											
*4209 RICHARD ELSIE	S ENFIELD U 2	MCCLOSKEY	28,29,32-5S-8E		1127		92		345		
*4264 RICHARD ELSIE	S ENFIELD U 1	AUX VASES	28,29,32-5S-8E		2288		360*		519		
*4292 RICHARD ELSIE	S ENFIELD U 3	OHARA	28,29,32-5S-8E		363		99*		259		
EXCHANGE E, MARION											
*2630 FARRAR OIL CO.	EXCHANGE EAST UNIT	SPAR MTN	29-1N-4E		348		51		104		
		MCCLOSKEY									
EXCHANGE N C, MARION											
2635 EGO OIL CO	SLAPDUT WF	MCCLOSKEY	7-1N-4E/12,13-1N-3E	344	2338	9.5	459	140	852		
EXCHANGE W, MARION											
2623 STONE OIL CO	CHARLETON FLOOD	SPAR MTN	4-1N-3E	68	833	12.2*	149*	26	239		
FAIRMAN, CLINTON, MARION											
* 413 PAUL WAITE	DUOMB-KREITLER	BENDIST	13,24-3N-1W		1494**		252**		1494**		
FLORA S, CLAY											
* 331 DONALD G. GEARY	GIVEN-MCGREW U	MCCLOSKEY	4-2N-6E		70		4*		7		
FRIENDSVILLE N, WABASH											
*3998 O. LOEFFLER ESTATE.	FRIENDSVILLE NORTH U	BIEML	12-1N-13W		379		99		99		
*3945 MOBIL OIL CORP.	LITHERLAND	BIEML	1,2-1N-13W		623		142*		232		
*3953 J. W. SANDERS	FRIENDSVILLE N U	BIEML	1-1N-13W		*		7		*		
FROGTOWN N, CLINTON											
409 ELMER OELZE	SCHROEDER	SILURIAN	31-3N-3W	*	*	10.1*	65*				
GARD'S POINT, WABASH											
3853 BELL BROTHERS	TALLEY	OHARA	23-1N-14W	*	*	5.3*	33*				
3952 WALKER DRUG CO.	GARD'S POINT UNIT	OHARA	23,26-1N-14W	205*	1105*	10.9*	74*	205*	370*		
GERMANTOWN E, CLINTON											
+ 406 NAT. GAS PIPELINE	GERMANTOWN	SILURIAN	36-2N-4W, 1-1N-4W	172*	4323*	12.0	1201	172*	4323*		
GILA, JASPER											
*1916 SCHAEFER OIL CO.	GILA	MCCLOSKEY	28,32,33-5N-9E		3194		418		1760		
GOLDENGATE C, EDWARDS, WAYNE, WHITE											
*4412 AMERICAN PUMP	POLLARD UNIT	AUX VASES	21,27,28-3S-9E		2174		109		1085		
*4124 CITIES SERVICE	KLETZKER U	AUX VASES	4-3S-9E		102		1		10		
*4128 CITIES SERVICE	GOLDENGATE U	MCCLOSKEY	28,32,33-2S-9E		926		7		231		
*4155 CULLUM OIL CO.	PETTIGREW-PIERCY UNIT	AUX VASES	24-2S-9E		262*		14*		122*		
*4154 ALVA C. DAVIS	BUNNAGE-WOODS U	AUX VASES	13,24-2S-9E		631*		95*		130*		
*4145 DUNCAN LSE+ROY	SCOTTSVILLE	BETHEL	23,26-2S-9E		751		254				
4139 FAIRFIELD OIL CO	POND CREEK WF UNIT	AUX VASES	29,30,31,32-2S-9E	36	8355	10.3	587	36	2377		
*4374 GULF OIL CO	GOLDENGATE UNIT	AUX VASES	34,35-3S-9E, 3-4S-9E		7279		656		3689		
		SPAR MTN									
		MCCLOSKEY									
*1027 ILL. LSE, OP.	CHALCRAFT-HORN	AUX VASES	20-2S-10E		79		14		5		
4083 ILL. MID-CONT.	SOUTH ELLERY UNIT	AUX VASES	24,25-2S-9E	350*	4245*	22.9*	308*	350*	2483*		
		SPAR MTN	19,30-2S-10E								
		MCCLOSKEY									
4123 MERRAN LDB	GOLDENGATE UNIT	AUX VASES	32,33-2S-9E	20*	338**	0.9*	55**	20*	85**		
		OHARA			1515**		203**		655**		
*4378 MARCH DRUG CO.	GOLDENGATE	AUX VASES	3-4S-9E		109		27		107		

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity ('API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
<b>DUOLEY, EOGAR</b>												
900	420	18,0	20,0	30	28,3	08-67		3	15	100	PRODUCED (B)	*ESTIMATED
903	410	12,0	20,0	30	29,0	02-72		1	8	80	PRODUCED (B)	*ESTIMATED
904	420	15,0				05-67		1	4	40	PRODUCED (B)	*EST +INCL PRIM PROD
901	410	30,0				03-67		1	3	40	PRODUCED (B)	*ESTIMATED
902	400	25,0				03-67		1	7	70	PRODUCED (B)	*ESTIMATED
<b>EOINBURG W, CHRISTIAN, SANGAMON</b>												
103	1700	15,0			8,0	11-61		5	20	230	PRODUCED (B)	*INCL PRIM PROD SINCE 10-54
<b>ELDORADO C, SALINE</b>												
*3614	2050	11,0	15,0	150	38,0	09-64	12-68	1	1	10	PALESTINE SD (H)	
*3610	2130	16,0	17,0	225	38,0	05-63	01-74	5	23	290	PENN SD, PROD (R)	
3611	2150	20,0	17,0	225	38,0	05-63		5	4	520	PENN SD, PROD (R)	
3621	1900	15,0	17,0			2-72		4	6	100	PENN SD, PROD (R)	
	2700	5,0	11,0					1	1	20		
	2900	10,0	15,0		32,6			3	4	100		
3624	2330	15,0				06-71		4	5	100	PRODUCED (B)	*ESTIMATED
	2900	12,0						3	3	100		
*3603	2090	7,0	13,0	100		04-59	10-63	1	4	60	PENN SD (R)	
*3609	2560	12,0	18,0	80	38,0	12-62	08-68	3	3	60	PENN SD, PROD (R)	
3612	2922	8,0			35,4	09-63		1	2	40	PENN SD (R)	S,0,4-65,REACTIVATED 7-66*EST
3608	2200	22,0	19,0	200	38,0	08-63		6	7	540	PENN SD, PROD (R)	*SINCE 11-62
3600	2200	10,0			36,9	05-70		1	1	30	PRODUCED (R)	
	2314	8,0						2	2	40		
	2900	7,0						3	4	80		
<b>ELDORADO E, SALINE</b>												
*3607	2900	7,0			37,0	01-61	12-65	7	9	210	PALESTINE SAND (B)	
<b>ELLERY E, EDWARDS</b>												
*1007	3170	10,0	17,7	26		12-57	06-67	3	3	260	SH SD, PROD (M)	*NO DATA 1966-67 +INCL 1019
*1019	3240	6,0				12-57	06-67	1	3	260	SH SD (F)	*NO DATA 1966-67 +INCL WITH 1007
<b>ELLIOTSTOWN N, EFFINGHAM</b>												
*1101	2700	6,0				12-66	12-72	2	10	220	TAR SPR, PROD (R)	*ESTIMATED 1968-72
<b>ENERGY, WILLIAMSON</b>												
4502	2354	20,0			40,0	10-71		1	9	130	PRODUCED (B)	*ESTIMATED 1976
<b>ENFIELD, WHITE</b>												
*4209	2945	4,6			36,6	10-56	03-68	2	1	60	SH SD, PROD (M)	
*4264	2810	8,4	21,5	142	36,0	02-54	03-68	3	3	180	PRODUCED (B)	*INCL PRIM PROD
*4292	2874	5,0			37,5	08-56	10-65	1	1	40	PRODUCED (R)	*INCL PRIM PROD SINCE 8-56
<b>EXCHANGE E, MARION</b>												
*2630	2775	10,0				05-66	07-70	1	2	80	CYPRESS	
	2840	5,0						1	3	80		
<b>EXCHANGE N C, MARION</b>												
2635	2709	15,0	11,7	200	36,2	11-66		4	9	280	WELL (B)	
<b>EXCHANGE W, MARION</b>												
2628	2572	12,0				11-66		2	10	150	PRODUCED (B)	*INCL PRIM PROD
<b>FAIRMAN, CLINTON, MARION</b>												
* 413	1450	8,0	21,0	357	38,0	03-59	01-76	4	9	130	PRODUCED (B)	*NO DATA 1971-74 +ESTIMATED
<b>FLORA S, CLAY</b>												
* 331	2492	12,0				10-59	05-61	1	1	40	SH SD, PROD (M)	*ESTIMATED
<b>FRIENDSVILLE N, WABASH</b>												
*3998	1650	10,0	15,0	35	33,0	05-62	01-71	4	3	60	SH SD (F)	
*3945	1620	12,5	16,0	81	35,6	07-47	09-57	2	3	60	SH SD (F)	*INC PRIM PROD
*3953	1631	10,0			36,6	08-57	12-61	2	2	40	SH SD (F)	*DUMP FLOOD, N.A., +ESTIMATED
<b>FROGTOWN N, CLINTON</b>												
409	2240	18,0				03-68		3	8	140	PRODUCED (B)	*SWO, NO INJ DATA +ESTIMATED
<b>GARO'S POINT, WABASH</b>												
3853	2860	10,0				06-71		2	3	60		*ADJACENT TO ACTIVE WF +EST
3852	2880	8,0				06-71		2	8	160	PRODUCED (B)	*ESTIMATED
<b>GERHANTOWN E, CLINTON</b>												
* 406	2300	60,0			39,4	09-56		2	13	300	PRODUCED (B)	*ESTIMATED
<b>GILA, JASPER</b>												
*1916	2835	6,9	12,5	276	39,0	09-63	09-70	4	17	437	GRAVEL, PROD (M)	
<b>GOLDENGATE C, EDWARDS, WAYNE, WHITE</b>												
*4412	3250	12,5	21,0	100	37,4	01-63	04-73	4	9	150	PENN SD, PROD (B)	
*4124	3242	10,0	15,0	10		08-56	10-58	1	2	30	CYPRESS, PROD (B)	
*4128	3308	8,0			34,0	10-53	07-57	2	8	159	GRAVEL BED (F)	
*4155	3270	11,0			39,5	11-62	01-71	2	4	60	PENN SD, PROD (R)	*ESTIMATED 1967-70
*4154	3250	14,0			39,3	05-62	12-70	5	4	90	PRODUCED (B)	*INCL DROPPED PROJ 3600
*4145	3100	9,0			39,8	01-59	01-64	8	7	130	SH SD, PROD (M)	
4139	3220	20,0	15,0	150	38,5	05-60		2	6	600	SH SD, PROD (M)	
*4374	3300	15,0	18,0	101	38,9	03-63	04-67	29	10	560	PENN SD, PROD (M)	
	3400	12,0	13,0	184				25	12	560		
	3458	10,0	10,0	102				19	10	560		
*1027	3222	8,0	22,3			12-62	04-65	1	3	40	PENN SD (B)	
4083	3260	13,5	15,0	8	39,5	09-71		3	4	530		*ESTIMATED
	3370	7,0	12,5	55	39,5	01-66		2	4	240	PENN SD, PROD (B)	
	3395	6,5	12,5	350				2	4			
4123	3200	12,0	16,0	100	38,0	09-65		3	1	40	GRAVEL BED (F)	*EST +INCL ALL PAYS +OHARA AND SPAR MTN CO-MING 8-56 TO 12-75
	3260	9,0	15,0	30	36,0	08-56		3	2	70		*AV 1965-74, ALL PAYS 1975-76
	3275	6,0	15,0	30								
*4378	3310	21,0	18,5	51	39,5	05-63	12-65	1	1	20	PENN SD, PROD (B)	

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)					
					Water Injection		Oil production		Water production	
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Location S - T - R	Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
GOLOENGATE C, EDWARDS, WAYNE, WHITE CONTINUED										
4143	POOL OIL CO.	W, ELLERY	AUX VASES	15,22,23,27-28-9E		2546*				
			OMARA		45*	2911*	2,6*	435**	45*	1399**
			SPAR MTN			268*				
*4138	SKILES OIL CORP.	O'DANIEL U	BETHMEL	26-28-9E		215		26		24
*4377	TEXACO, INC.	J. MANCOCK COOP	AUX VASES	21-33-9E		680		25		275
*4189	M. J. WILLIAMS	GOLOENGATE EAST UNIT	BETHMEL	25,26-28-9E		163*		30*		104*
			AUX VASES			163				
GOLOENGATE N C WAYNE										
4066	NOAM PET	GOLOENGATE NORTH UNIT	AUX VASES	17-23-9E		93	663*	5,8	84*	46 170*
HALF MOON, WAYNE										
4168	COLLINS BROS.	HALF MOON UNIT	MCCLOSKEY	28-13-9E		90*	5154*	3,6*	187*	90* 2425*
4160	JUNIPER PETROLEUM C	HALF MOON U	OMARA	26,34,35-13-9E		267	7228	17,3	725	161 2689
HARCO, SALINE										
3619	COLLINS BROS.	HARCO U	AUX VASES	16-83-5E		400*	3164*	19,7*	208*	390* 1827*
3613	LOBREE CORP.	HARCO WEST POOL UNIT	AUX VASES	29-83-5E		12	638	1,8	66	
HARCO E, SALINE										
*3601	SUN OIL CO.	MARCO WF UNIT	CYPRESS	25-33-5E			84		3	37
*3602	SUN OIL CO.	MARCO WFPU	AUX VASES	24,25,26-83-5E			334		30	112
HARRISBURG, SALINE										
*3606	W. C. MCBRIDE	HARRISBURG NORTH	WALTERSBURG	34-83-6E			1597		16	136
HERALD C, GALLATIN, WHITE										
*1419	ASHLAND O AND R	SOUTH NEW HAVEN UNIT	TAR SPRINGS	29,30-73-10E			1538		229	707
4210	C. E. BREMH	HERALD W. U.	WALTERSBURG	28,33-63-9E		176	3345	21,2	748	
*4304	C. E. BREMH	NEW HAVEN U	AUX VASES	18-73-10E			88		19	
1444	COLLINS BROS.	HERALD E UNIT	TAR SPRINGS	23,24,25,26-73-9E		250*	1500*	15,9*	142*	350* 787*
			AUX VASES							
*1405	CONTINENTAL OIL	COTTONWOOD N U	CYPRESS	21,2A-73-9E			5613		1045*	2114
*1431	CONTINENTAL OIL	COTTONWOOD TAR SPR	TAR SPRINGS	6-73-9E			179*		30	45
1430	JOE A. OULL	HERALD E U	AUX VASES	24-73-9E/19-73-10E		34*	1568*	1,2*	155*	34* 432*
1433	JOE A. OULL	GLOVER-NEVILLE	AUX VASES	24-73-9E		200**	750**	19,8*	84*	200* 750*
*4340	INO. FARM BUR.	NEW HAVEN WF	AUX VASES	17,1A-73-10E			736		79	14*
4400	PAUL S. KNIGHT	MARRELL-KNIGHT-WILLMS	TAR SPRINGS	14-73-9E		450*	1914*	29,2*	210*	420* 1747*
4360	LAOO PETROLEUM	BAYLEY U	PENNSYLVNIN	11-73-9E		402	7858	5,1	321	79 3236
			CLORE							
			TAR SPRINGS							
			CYPRESS							
			AUX VASES							
4365	LAOO PETROLEUM	HERALD COOP	AUX VASES	10-73-9E		*	1361	1,9*	130*	40* 970*
*4359	LIVINGSTON OIL	CALVERT 'A'	AUX VASES	4-73-10E			31			
*4291	W. C. MCBRIDE	BAYLEY	PENN	3-73-9E			398*		27	129
			CYPRESS							
*4212	Q. B. MITCHELL	BAYLEY U	CYPRESS	2-73-9E			491		21	35
*4211	GENNIS PAINE	ACKERMAN UNIT	AUX VASES	4-73-10E			462		63	
4382	BERNARD POOLSKY	BAYLEY UNIT	WALTERSBURG	13,24-73-9E		13*	1189*	0,4	202	20 599
4383	BERNARD POOLSKY	GRANT AUX VASES UNIT	AUX VASES	13-73-9E		*	424*	0,8	62	4 170
4389	BERNARD POOLSKY	CLARK UNIT	AUX VASES	4,5,8,9-73-10E		*	1254*	3,0	107	16 368
4423	BERNARD POOLSKY	L.O. AUSTIN	WALTERSBURG	28-63-9E		*	*	4,7*	108*	30* 560*
4427	SANOS OIL CO.	HERALD NW UNIT	WALTERSBURG	27,28-63-9E		30*	498	13,5*	105*	30* 358
4348	SHAKESPEARE OIL	QUESTELL COOP	PENNSYLVNIN	11-73-9E		29	566	4,0	132*	13 115
4355	DOON W. SLATER	HERALD U	CYPRESS	27,33,34-63-9E, 4-73-9E		90*	5461*	5,9*	741*	90* 2054*
*4364	TAMARACK PET.	HERALD U	PENN	34-63-9E/2-73-9E			343		17	17
HICKORY HILL, MARION										
*2625	EAGLE SUPPLY CO	HALFACRE	RENOST	27-1N-4E			114		17	131
HILL E, EFFINGHAM										
1120	PARTLOW, COCHNOR	MORATH,POYNTER,GADDOEY	CYPRESS	1,12-6N-6E		30*	1425*	2,2*	95*	30* 1425*
1121	PARTLOW, COCHNOR	BROWN,WOO-BROWN	SPAR MTN	10,11-6N-6E		10*	3730*	1,5*	250*	10* 3730*
*1105	WICHITA INDUSTRIES	HILL EAST UNIT	CYPRESS	11,12,13,14-6N-6E			3185		154	1100
MORO, CLAY										
351	JET OIL CO.	CONNERLY-SCHROLL	AUX VASES	14-5N-6E		14*	172*	2,2*	37**	14* 107*
			STE GEN							
MORO S C, CLAY										
* 332	SHIRK, WEBSTER	SOUTH MORO UNIT	STE GEN	26,27,34,35-5N-6E			8908		748	6707
* 337	SHIRK, WEBSTER	ZINK UNIT	STE GEN	26,35-5N-6E			1571		77	462
INA, JEFFERSON										
*2009	KEWANEE OIL CO.	JEFF-KARBER-THREL B	RENAULT	23-43-2E			2317		238	2535
			MCCLOSKEY				1130			
INGRAMAH, CLAY										
326	BUFAY OIL CO	SAILOR SPRINGS EAST U	SPAR MTN	5,6-4N-8E		34	72*	8,4	20*	2* 4*
* 320	HUMBLE O AND R	INGRAMAH U	SPAR MTN	4,9-4N-8E			2563		310	1543
INMAN E C, GALLATIN										
1436	AUTUMN OIL CO	EGLI	TAR SPRINGS	20,21,23,29-73-10E		155**	2360**	9,1**	297**	155** 1231**
			CYPRESS							
*1422	CRAWFORD PROO	BLACK	WALTERSBURG	2-83-10E			682*		115*	186*
*1909	FARRAR OIL CO.	E INMAN	TAR SPRINGS	33,34-73-10E,2,3,10-			24228		3550	
			CYPRESS	83-10E						
*1406	HUMBLE O AND R	BIG BARN	CYPRESS	11-83-10E			226		83	27
1403	MIO-STATES OIL PROP	WEST UNIT	PALESTINE	9,10,15,16,21,		350*	29659*	21,0*	3347*	350* 9641*
			WALTERSBURG	22-83-10E						
			TAR SPRINGS							
			HARRISBURG							
			CYPRESS							

in Illinois, 1976 - continued

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity ('API)	Date first inj.	Date abd.	No. of wells Inj. Prod.		Acres under Inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
<b>GOLOENGATE C, EDWARDS, WAYNE, WHITE CONTINUED</b>												
4148	3240	10,0				09-61	06-70	4	6	80	SH GRAVEL (F)	*ESTIMATED; +INCL ALL PAYS
	3270	15,0				09-61		4	9	400		
	3310	9,0				09-61	05-70	1	2	60		
*4138	3097	10,0			37,0	01-59	06-63	2	2	40	SH SO, PROD (M)	
*4377	3240	15,0				01-63	12-66	2	3	60	PENN SO, PROD (B)	
*4189	3080	10,0			39,0	07-65	06-71	1	2	30	PENN SO (B)	*EST 1966-70; NO DATA 1971
	3206	17,0						1	4	60		
<b>GOLOENGATE N C WAYNE</b>												
4066	3250	15,0				07-71		4	5	100	PRODUCED (B)	*CUMS CORRECTED TO 1976 DATA
<b>MALF MOON, WAYNE</b>												
4168	3300	10,0			40,4	12-62		6	9	470	GRAV BED, PROD (M)	*ESTIMATED
4160	3280	10,0	11,0	124	40,0	01-62		7	10	640	SH SO (F)	
<b>MARCO, SALINE</b>												
3619	2900	15,0				10-69		5	15	230	PRODUCED (B)	*ESTIMATED
3613	2900	5,2	17,8	39	40,0	10-65		3	1	80	CYPRESS, PROD (B)	
<b>MARCO E, SALINE</b>												
*3601	2550	9,0				07-59	08-61	1	2	30	PENN SO, PROD (B)	
*3602	2850	8,0				07-59	09-62	2	9	120	PENN SO, PROD (B)	
<b>HARRISBURG, SALINE</b>												
*3606	2020	10,0	18,0	140	38,4	07-58	11-68	3	5	60	PENN SO, PROD (B)	
<b>MERALO C, GALLATIN, WHITE</b>												
*1419	2150	14,0	16,5	400	35,8	12-61	03-70	5	3	92	GRAV BED, PROD (M)	
4210	2325	20,0	20,0	50	37,0	01-55		7	12	200	PENN SO (B)	
*4304	2900	15,0	15,0	100	38,0	02-60	12-65	4	3	70	RIVER (F)	
1444	2315	10,0			39,0	08-69		4	5	120	CYPRESS (B)	*ESTIMATED
	2950	15,0						3	15	200		
*1405	2650	12,0	15,0	80		12-57	04-69	6	15	400	CLORE, PROD (B)	*INCL PRIM PROD SINCE 12-57
*1431	2260	15,0	12,0	30	37,8	10-63	12-68	1	1	40	CLORE, PROD (B)	*INJ STOPPED 4-67
1430	2900	10,0	17,0	150	38,0	08-63		5	2	180	PALESTINE, PROD (B)	*ESTIMATED
1433	2900	8,0	12,0	37	38,0	11-63		2	9	110	PRODUCED (B)	*INJ PROD WATER SINCE 1-69 +EST
*4340	2870	14,0	10	35,3		02-60	12-67	4	3	250	SH SO, PROD (M)	*EST SINCE 1-62
4400	2260	11,0				10-70		2	6	100	PALESTINE, PROD (B)	*ESTIMATED
4360	1550	15,0	14,0	50		01-62		1	1	20	PENN SO, PROD (B)	
	2050	15,0						3	6	90		
	2280	10,0						4	5	90		
	2630	22,0						2	2	40		
	2880	14,0						7	9	190		
4365	2900	13,0	18,2	100	37,0	05-62		2	6	70	PENN SO, PROD (B)	*NO INJ ADJ. TO 4360 +EST 1974-76
*4359	2920	12,0			36,8	05-62	07-64	1	1	20	SHALLOW WELL (F)	
*4291	1520	15,0	14,6	52		11-69	01-76	2	3	50	PENN SO, PROD (B)	*INJ, CURTAILED 6-75
	2700	10,0						2	3	50		
*4212	2715	15,0	14,9	58	39,0	09-57	08-62	2	4	60	PALESTINE (B)	
*4211	2690	23,0				02-56	01-71	2	2	40	GRAVEL BED (F)	
4382	2300	8,9	20,0	200	38,5	01-63		2	2	60	PAL SO, PROD (B)	*INJ, SUSPENDED JAN, 1976
4383	2930	9,7	19,0	100	34,8	08-63		2	4	100	PAL SO, PROD (B)	*INJ, SUSPENDED JAN, 1976
4389	2890	8,0	18,0	75	36,0	10-64		8	6	180	RIVER GRAV, PROD (M)	*INJ, SUSPENDED OCT, 1974
4428	2310	30,0				01-55		*	6	60		*ADJ. TO ACTIVE WF; +EST
4427	2320	12,0				01-71		1	5	60	PRODUCED (B)	*ADJ. TO ACTIVE WF SINCE 68; +EST
4348	1425	13,0	19,0	46	33,5	01-62		1	3	59	PENN SO, PROD (B)	*INCL PRIM PROD SINCE 1-62
4355	2675	11,4	16,2	52	38,0	06-62		20	20	420	PENN SO, PROD (B)	*ESTIMATED
*4364	1550	8,0	15,1	15		01-62	12-64	3	3	120	PENN SO, PROD (B)	
<b>HICKORY HILL, MARION</b>												
*2625	2640	10,0			36,0	10-65	01-72	1	1	20	PRODUCED (B)	
<b>HILL E, EFFINGHAM</b>												
1120	2460	6,0				08-59		1	5	60	PRODUCED (B)	*ESTIMATED
1121	2690	6,0				01-61		1	7	170	PRODUCED (B)	*ESTIMATED
*1105	2460	13,0	18,0	100	40,0	12-59	12-64	3	15	150	SH SO, PROD (M)	
<b>MORO, CLAY</b>												
351	2710	15,0				10-65		1	2	20	PRODUCED (B)	*EST. + INCL PRIM, SINCE 1965
	2780	10,0						1	1	30		
<b>MORO S C, CLAY</b>												
* 332	2790	8,6	15,0	862	36,1	09-58	06-70	3	12	340	RIVER, PROD (M)	
* 337	2790	5,2	15,8	835	36,0	08-62	06-70	6	4	250	RIVER, PROD (M)	
<b>INA, JEFFERSON</b>												
*2008	2640	10,0	22,0	96	37,0	12-60	12-69	3	3	120	PENN SO, PROD (B)	
	2770	8,0	13,0	25			12-69	4	3	140		
<b>INGRAHAM, CLAY</b>												
326	2990	10,0				1-75		1	5	140	CYPRESS (B)	*EST; +CUMS CORRECTED TO 76 DATA
* 320	3000	5,1	14,2	2450	38,0	12-56	12-60	9	17	297	PENN SO, PROD (B)	
<b>INMAN E C, GALLATIN</b>												
1436	2175	12,0	18,5	325	36,8	04-64		3	4	110	SH SO, PROD (M)	*INCL BOTH PAYS +ESTIMATED
	2499	21,0	16,5	212				4	4	130		
*1422	1975	15,0			37,0	01-59	12-67	1	3	50	PRODUCED (B)	*1965-67 ESTIMATED
*1409	2150	14,0	17,5	150	37,7	03-54	12-64	33*	35*	700*	GRAVEL BED (F)	
	2440	10,0	16,8	50	38,0			23*	24*	500*		
*1406	2400	5,9	16,5	58	38,0	04-54	12-66	3	1	30	SH SO, PROD (M)	
1408	1750	10,0	19,0	200	36,5	07-56		2	2	40	GRAVEL BED, PROD (M)	*ESTIMATED 1968-76
	1980	15,0			37,2			8	8	160		
	2160	18,0			36,8			5	5	100		
	2200	14,0			36,5			10	10	220		
	2380	24,0			34,4			38	36	750		

TABLE 11. Waterflood operations

Field, County	General information					Production and injection statistics (M bbl)					
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
INMAN E C, GALLATIN CONTINUED											
*1420	JOE SIMPKINS OIL	HAVEN	AUX VASES	28,32-78-10E		182		2			
*1426	E. G. WELKER	EGYPTIAN TIE, TIMBER	WALTERSBURG	21-88-10E		515*		61*		149*	
1407	WESTERN OILS, LTO	KERWIN-CRAWFORD	MARDINSBURG CYPRESS DEGONIA CLOKE PALESTINE WALTERSBURG TAR SPRINGS CYPRESS MCCLOSKEY	11,14-88-10E	100	2100**	9.1*	2136*	100*	5574*	
1411	WESTERN OILS, LTO	J A WILLIAMS	TAR SPRINGS	27-78-10E		+	170**	1.2*	19*	10*	253*
1429	WESTERN OILS, LTO	SOUTH INMAN UNIT	WALTERSBURG CYPRESS	21,22-88-10E		+	2460**	1.4*	133*	10*	1352*
INMAN W C, GALLATIN											
1410	ASHLAND O AND R	RISTER-MOYE U	TAR SPRINGS CYPRESS	15-88-9E	12	790	0.8	98*	10	196	
1440	ASHLAND O AND R	WEST INMAN U*	TAR SPRINGS MARDINSBURG CYPRESS	11,12,14-88-9E	357	3051	19.8	326	154	1245	
1428	T. L. CLARK	HISM-STAUB UNIT	RIEHL	21-88-9E	21*	73*	2.0*	23*	21*	53*	
1442	FARRAR OIL CO.	POND U	CYPRESS	26,27-88-9E	64	1127	13.9	212	59	606	
*1402	GULF OIL CO	INMAN W U	AUX VASES CYPRESS	15,16-88-9E		2890*		425*		499*	
*1403	GULF OIL CO	INMAN WU	TAR SPRINGS	15,16-88-9E		*		*		*	
1435	JUNIPER PETROLEUM C	RIDGWAY E UNIT	WALTERSBURG CYPRESS	14,22,23,27-88-9E	161	1690	12.7	217	89	795	
1424	OIL MANAGEMENT INC	ORONE-RIDER-MINER	CYPRESS	27-88-9E	8*	335*	1.1*	48*	8*	99*	
1450	OENNIS PAINE	WILLIAMS	MARDINSBURG CYPRESS	12-88-9E	*	*	1.2*	34*			
*1404	PHILLIPS PET. CO	LEVERT	CYPRESS	3-88-9E		8					
*1415	REBSTOCK OIL CO.	INMAN W	TAR SPRINGS	13,24-88-9E		1408		79		764	
1427	REBSTOCK OIL CO.	SCHMITT 'A'	PENNSYLVNIN	15-88-9E	45*	2469*	2.7*	46*	45*	346*	
*1401	SABER OIL CO	BRADELY UNIT	RIEHL	17-88-9E		512*		169*		217*	
1453	SHAKESPEARE OIL	RIDGWAY UNIT	CYPRESS	26-88-9E	33*	5162*	1.5*	259*	33*	5162*	
1425	JOE SIMPKINS OIL	INMAN WEST UNIT	AUX VASES TAR SPRINGS MARDINSBURG CYPRESS	1,12-88-9E,6,7-88-10E	100*	2547*	19.3**	867**	320**	3041**	
1449	JOE SIMPKINS OIL	NORTH INMAN UNIT	AUX VASES	31-78-10E/6-88-10E	250*	620*	14.1*	36*	160*	350*	
1451	JOE SIMPKINS OIL	OWNEN-MURPHY	AUX VASES	1,2-88-9E	25*	205*	2.2*	12*	25*	205*	
1400	TARTAN OIL CO.	GOEBEL-MC GUIRE-RIDER	AUX VASES	19-88-10E	108*	508*	6.3*	61*	108*	508*	
*1423	ZANETIS OIL PROP	SLATON	MARDINSBURG CYPRESS	11-88-9E		283*		25		121*	
IOLA C, CLAY, EFFINGHAM											
378	CULLUM OIL CO.	HCGEE-MOSS	AUX VASES	22-5N-5E	25*	1065*	1.7*	60*	25*	1065*	
1112	GETTY OIL CO	BURK ROYALTY U	BETHEL	27,34-6N-5E	775	6332	9.7	187	244	2091	
* 357	JARVIS BROS.	LIGGETT	AUX VASES SPAR MTN	17-5N-5E		201		31		201	
1113	KARCHMER PIPE	ERVIN-ETCHASON	BETHEL	34,35-6N-5E	70*	805*	3.6*	145*	70*	805*	
1110	LAOD PETROLEUM	S MASON U	AUX VASES BENOIST	26,27,34,35-6N-5E	827	7955	65.6	690	511	3752	
1111	LAOD PETROLEUM	KINGWOOD JARVIS U	AUX VASES SPAR MTN BENOIST	34,35-6N-5E	944	9757	40.6	591*	749	5794	
1119	E. M. SELF	WRIGHT	AUX VASES SPAR MTN	27-6N-5E	350*	1353*	20.6*	122*	350*	1195*	
303	SHAKESPEARE OIL	IOLA COOP*	TAR SPRINGS CYPRESS BETHEL BENOIST AUX VASES	14,15-5N-5E	531	19641*	17.5	1360*	531	13564*	
* 322	TEXACO, INC.	IOLA COOP	BENOIST	14,15-5N-5E		1589		55		*	
* 323	TEXACO, INC.	IOLA COOP	AUX VASES	14,15-5N-5E		3363		85		4414*	
338	TEXACO, INC.	IOLA S, U.	AUX VASES	22-5N-5E	119	3456	3.5	229*	127	3096	
376	TEXACO, INC.	FENDER,PRATHER,SPURLN	AUX VASES SPAR MTN	2,11-5N-5E	326	1400	13.2	104	281	963	
IRVINGTON, WASHINGTON											
4020	CULLUM OIL CO.	MOLSMER-MASCHOF-ERBES	CYPRESS BENOIST	9,10-18-1W	95*	1075*	5.6*	92*	95*	1075*	
4019	FEAR AND DUNCAN	RAMN-BRINK	BENOIST	14,15,22,23-18-1W	265*	4065*	14.9*	281*	265*	4065*	
4002	MARK MAZZARINO	ARNING-KASTEN-REICHMNN	CYPRESS	9-18-1W	260*	2270*	12.3*	224*	260*	2270*	
4009	W. C. MCBRIDE	BROWN UNIT	CYPRESS	23-18-1W	126	1442	12.0	223	126	1327	
4018	FRED SEIP	TIEMAN & BUML	BENOIST	23-18-1W	450*	7240*	24.1*	447*	450*	7240*	
4004	GEORGE THOMPSON	C. KOELLING	BENOIST	15-18-1W	335*	2268*	14.1*	271*	335*	1828*	
IUKA, MARION											
2613	TEXACO, INC.	IUKA	MCCLOSKEY	10,15-2N-4E	*	*	5.4	92	23	462	
JOHNSON N, CLARK											
* 204	F. A. BRIDGE OIL	BLOCK 'A'	CASEY	2-9N-14W		5731*		247*		2713*	
* 205	F. A. BRIDGE OIL	BLOCK 'B'	CASEY	35,36-10N-14W		1118*		59*		338	
207	NATIONWIDE ENERGY	N JOHNSON	CLAYPOOL CASEY PARTLOW	10,11,15-9N-14W	240*	19934*	12.0*	1079*	240*	14978*	
* 211	E. A. OLOFIELD	V. JONES	CASEY	1,3-9N-14W		75		1		2	
203	TALBOTT & SONS	N JOHNSON WF	CASEY	2-9N-14W	150*	4691*	7.3*	923*	150*	2227*	
* 208	TIDEWATER OIL CO	CLARK COUNTY 1	CASEY	2-9N-14W		2418		160		1572	



in Illinois, 1976 - continued

Field, County Project no.	Reservoir statistics (avg. value)				Development as of 12-31-76					Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity ("API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
<b>INMAN E C, GALLATIN</b>												
CONTINUED												
*1420	2770	9.0	12.4	8	39.0	11-60	07-62	4	4	80	SH GRAV (F)	
*1426	1986	13.0			36.0	01-59	12-68	1	2	30	SH SD, PROD (M)	*NO DATA 1967-68
	2206	13.0						1	2	30		
	2419	5.0						1	2	30		
1407	1700	7.5	18.0	100	37.5	06-55		2	3	50	SH SO, PROD (M)	*NO INJ. SINCE 1972 +EST 1969-75
	1730	7.5						5	4	100		
	1830	8.5			37.2			6	8	140		
	1930	13.5			36.8			10	14	200		
	2030	17.0						17	20	340		
	2380	21.8			34.4			12	15	240		
								1	4	40		
1411	2102	14.0	16.0			07-66		1	2	30	PRODUCED (B)	*EST. 1969-1976 +NO INJ 1973-1976
1429	2000	7.0	19.6	109	36.0	11-62		4	9	170	SH SO, PROD (M)	*ESTIMATED 1968-76 +NO INJ 73-76
	2380	15.0	16.6	89				2	4	60		
<b>INMAN W C, GALLATIN</b>												
1410	2180	10.0	17.0	80		06-61	01-69	2	3	50	GRAVEL BED (F)	*FIRST DATA 11-66
	2500	12.0	16.5	40				1	2	30		
1440	2185	10.0			36.0	05-65		11	11	140	SH 80 (F)	*FORMERLY MAC OIL JONES NO 3
	2320	10.0						2	2	40		
	2516	10.0						10	9	190		
1428	1570	10.0	21.0	75	38.0	01-62		2	5	70	PRODUCED (B)	*EST. TEMP. ABO, 1964-1974
1442	2480	7.0				09-68		2	5	80	GRAVEL BED (F)	
	2780	15.0						5	15	210		
*1402	2500	16.5	13.5	40	38.6	05-55	12-63	10	7	170	PENN SD, PROD (B)	*INCL 1403
*1403	2180	11.0	13.0		36.1	03-57	03-63	3	7	160	PENN SO, PROD (B)	*INCL WITH 1402
1438	2080	10.0				01-72		1	1	20	SHALLOW WELL (F)	
	2502	7.0			36.8	11-65		7	8	220	SHALLOW WELL (F)	
1424	2500	8.0				06-64		2	3	110	PENN SO, PROD (B)	*ESTIMATED 1976
1450	2300	10.0				1-68		*	1	20		*ADJACENT TO ACTIVE WF +EST
	2480	15.0						*	2	30		
*1404	2560	6.0	18.0	100	35.0	05-57	06-59	1	1	20	PRODUCED (B)	
*1415	2122	10.0			36.0	04-56	12-70	4	4	100	SH SO, PROD (M)	
1427	1666	8.0				06-60		1	4	60	SH SO, PROD (M)	*ESTIMATED
*1401	1726	8.0	15.0	72	36.9	10-57	01-74	3	3	60	PRODUCED (B)	*INACTIVE 1972-73
1453	2490	8.0				05-52		1	3	40	PRODUCED (B)	*EST/SWO SINCE 1952
	2780	18.0						1	2	20		
1425	2150	15.0			36.0	09-66		11	7	200	GRAVEL BED (F)	*ESTIMATED +INCL ALL PAYS
	2290	10.0			37.0			9	6	160		
	2475	15.0			37.0			14	13	300		
1449	2800	15.0				08-73		5	7	140	PRODUCED (B)	*ESTIMATED
1451	2610	22.0				01-68		2	1	30	PRODUCED (B)	*ESTIMATED
1400	2740	20.0				07-58		1	5	10	UNKNOWN	*EST. TEMP. ABD, 1961-1973
*1423	2336	12.0				01-62	1-75	1	2	30	TAR SPRINGS (B)	*ESTIMATED
	2510	15.0						1	2	30		
<b>IOLA C, CLAY, EFFINGHAM</b>												
378	2350	12.0				06-65		1	5	60	PRODUCED (B)	*ESTIMATED +WF EFFECT SINCE 1962
1112	2290	40.4	17.3	50	37.5	02-68		5	6	120	PENN SO (B)	
	2350	19.6	16.5	15				3	5	90		
	2440	6.0	16.0					2	3	80		
* 35T	2800	10.0			35.4	01-58	07-66	1	3	60	PRODUCED (B)	
1113	2300	12.0				12-67		1	4	70	PRODUCED (B)	*ESTIMATED
	2350	15.0						2	5	70		
1110	2280	25.0				10-67		6	14	190	PENN SO (B)	
	2350	16.0						6	18	270		
	2424	5.0						4	12	160		
1111	2280	25.0				12-67		10	3	200	PENN SO, PROD (B)	
	2350	16.0						11	11	280		
	2424	5.0						4	6	100		
1119	2360					10-69		1	5	80	PRODUCED (B)	*ESTIMATED
	2430							1	6	80		
303	1874	8.0			32.2	01-55		2	1	20	PENN 80, PROD (B)	*ESTIMATED
	2125	10.5	20.0	100				2	4	40		
	2250	17.3	16.0	40				6	5	120		
	2280	20.0	16.0	40				14	17	260		
	2330	20.0	14.7	80				15	13	280		
* 322	2290	9.5	15.7	50	36.0	06-58	01-68	10	11	210	PRODUCED (B)	*INCL WITH 323
* 323	2350	13.3	15.7	90	36.0	06-58	01-68	12	13	250	PRODUCED (B)	*INCL 322
338	2340	8.5	15.1	65	36.0	09-62		1	2	210	PENN SO, PROD (B)	*INCL PRIM PROD SINCE 1962
376	2350	20.0				04-71		4	7	110	PENN SO, PROD (B)	
	2420	5.0						1	4	80		
<b>IRVINGTON, WASHINGTON</b>												
4020	1420	16.0				02-56		1	7	80	PRODUCED (B)	*ESTIMATED
	1520	10.0						1	6	80		
4019	1530	10.0				01-56		1	14	160	PRODUCED (B)	*ESTIMATED
4002	1400	20.0			35.0	11-57		4	15	150	PRODUCED (B)	*ESTIMATED
4009	1425	15.0	20.0	300	37.4	09-64		1	5	80	PRODUCED (B)	
	1540	12.0	18.0	65				2	6	80		
4018	1530	10.0				01-56		2	12	140	PRODUCED (B)	*ESTIMATED
4004	1531	10.8	19.0	278	37.2	02-59		2	9	200	PRODUCED (B)	*ESTIMATED
<b>IUKA, MARION</b>												
2613	2750	10.0			39.0	08-60		1	3	270	CYPRESS, PROD. (B)	*OUMP FLOOD, UNKNOWN
<b>JOHNSON N, CLARK</b>												
* 204	450	20.0	20.8	399	33.9	04-49	01-63	27	13	125	SH 80, PROD (M)	*NO DATA 1958-1963
* 205	480	2.0	18.3	66	33.0	05-51	12-63	18	12	80	SH SO, PROD (M)	*NO DATA FROM 5-57 TO ABO
207	460	19.0	19.0	330		03-55		51	71	223	GRAV, PROD (M)	*ESTIMATED
	530	14.0										
	595	24.0										
* 211	440	19.0	19.8	252	35.4	09-51	02-54	3	2	15	SH 8AND (F)	
203	475	20.0	20.0	231	32.2	11-53		18	22	240	GRAV, PROD (M)	*ESTIMATED
* 208	425	26.1	20.6	415	33.9	02-50	12-59	19	20	81	SH SO, PROD (M)	

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Location S - T - R	Water injection		Oil production		Water production		
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76	
JOHNSON S, CLARK											
* 212 ACME CASING		M E LARRISON	U PARTLOW	22,27-9N-14W		4424*		163*		3585*	
* 213 ACME CASING		WEAVER-BENNETT	U PARTLOW	27-9N-14W		11359*		528*		9879*	
209 TALBOTT & SONS		SOUTH JOHNSON (F-12)	U PARTLOW	27,34,35-9N-14W	160*	72509*	8.9*	1692*			
210 FRANCIS ZAKOWSKI		JOHNSON EXT 1, 2	CLAYPOOL CASEY PARTLOW	22,23,26,27-9N-14W	60*	26069*	3.0*	878*	60*	19747*	
JOHNSONVILLE C, WAYNE											
4195 N. A. BALORIOGE		TALBERT UNIT	AUX VASES	32-1N-6E	10*	1497*	0.6*	106*	10*	543*	
4167 FARRAR OIL CO.		E. JOHNSONVILLE UNIT	AUX VASES	25,36-1N-6E,1-1S-6E	278	10926	23.4	1107	225*	5737*	
4163 CHRIS PEARSON		LANE-WEAVER	OMARA	9-1S-6E	140*	2242*	5.9*	237*	140*	2240*	
4072 TEXACO, INC.		JOHNSONVILLE SU	AUX VASES	9-1S-6E	981	6665	21.8	403	846	5357	
4089 TEXACO, INC.		SIMS UNIT	AUX VASES	21,22,27,2A,32,33,34-1S-6E	1200*	128A6*	101.8+	2611+	1484+	17061+	
4121 TEXACO, INC.		JOHNSONVILLE U	MCCLOSKEY	21,26,27,2A,33,34,35-1N-6E,3,4-1S-6E	551*	13876*					
*4122 TEXACO, INC.		JOHNSONVILLE U.	AUX VASES	21,26,27,2A,33,34,35-1N-6E,3,4-1S-6E,21,26,27,28,33,34,35-1N-6E	3028	51A12	137.4	4294	3479	35143	
*4134 UNION OIL CALIF.		CRISP UNIT	MCCLOSKEY	3,4-1S-6E,21,26,27,28,33,34,35-1N-6E		5A250		42A9		34484	
JOHNSONVILLE S, WAYNE											
*4172 ASHLAND O AND R		W GEFF UNIT	AUX VASES	11,14-1S-6E		3295		225		1161	
JOHNSONVILLE W, WAYNE											
4081 EGO OIL CO		ORCHAROVILLE	AUX VASES	26-1N-5E	129	334	1.4	21	77	137	
4071 EGO OIL CO		JOHNSONVILLE W WF	AUX VASES	23,24-1N-5E	296	1645	22.4	305	216	679	
*4169 FARRAR OIL CO.		W JOHNSONVILLE UNIT	MCCLOSKEY	2-1S-5E,35,36-1N-5E		2245		1A3		620	
*4161 KIRBY PETROLEUM		W JOHNSONVILLE	AUX VASES	14,23-1N-5E		1958		347		1000	
JOHNSTON CITY E, WILLIAMSON											
4503 C. E. BREHM		MUCK UNIT	AUX VASES	8-8S-3E	188	240	63.9	94			
4501 MUTUAL O AND G		JOHNSTON CITY E U	CYPRESS AUX VASES	15,16-8S-3E	101	2445	7.3	408			
JOHNSTON CITY N E											
4505 BUFAY OIL CO		MADISON COAL LEASE	AUX VASES	3,4-8S-3F	4	35	8.0	138	4	35	
JUNCTION, GALLATIN											
*1412 ESTELLE PRICE		JUNCTION UNIT	WALTERSBURG	16,17,20,21-9S-9E		2557*		303*			
JUNCTION E, GALLATIN											
1441 E.E. MORRIS		CRANE U	WALTERSBURG	36-8S-9E,1-9S-9E	110*	695*	5.7*	51*	110*	501*	
JUNCTION N, GALLATIN											
1445 OIL MANAGEMENT INC		HISH LSE	PENNSYLVNIN	33-8S-9E	10*	466*	0.6*	28*	10*	39*	
KEENSBURG S, WABASH											
3867 ALVA C. OAVIS		GARST-EPLER	CYPRESS	34,35-2S-13W	120*	1750*	8.8*	195*	96*	781*	
3991 HERMAN LOEB		FEARHEILEY-THOM-UTLEY	PENNSYLVNIN	10-3S-13W	290*	407A*	16.5*	32A*	290*	2512*	
*3915 VICKERY DRUG.		A P GARST	CYPRESS	27-2S-13W		297		27		60*	
KEENVILLE, WAYNE											
*4125 N. A. BALORIOGE		KEENVILLE UNIT	MCCLOSKEY	27,28,33,34-1S-5E		2137		232		1570	
*4126 WALTER OUNCAN		KEENVILLE U		28,29-1S-5E		1971		343		660	
KENNER, CLAY											
* 305 TEXACO, INC.		KENNER U	BENOIST	25,36-3N-5E, 30,31-3N-6E		4349		374		1722	
* 330 TEXACO, INC.		KENNER U	AUX VASES	25,36-3N-5E, 30,31-3N-6E		5363		117		1270	
* 353 TROOP DRILLING		CHASTEEN	BENOIST RENAULT AUX VASES	36-3N-5E		45		8		45	
KENNER N, CLAY											
* 324 IND. FARM BUR.		THEOBALD	BENOIST	17-3N-6E		21		53		47*	
KENNER W, CLAY											
* 306 PHILLIPS PET. CO		W KENNER U	CYPRESS BENOIST AUX VASES	23-3N-5E		16531		535		4799	
KINCAID C, CHRISTIAN											
106 JOE SIMPKINS OIL		KINCAID U	HIRBARD	2-419-11114-16,22-13N-3W,34,35-14N-3W	500*	820*	90.0*	117**	500*	820*	
KING, JEFFERSON											
*2016 N. A. BALORIOGE		EBER-GOFF	AUX VASES	22-3S-3E		81*		1		81	
2017 T. L. CLARK		RANDOLPH	AUX VASES	27,34-3S-3E	100*	1282**	4.0*	195**	100*	1286**	
2025 SHAKESPEARE OIL		MADE UNIT	AUX VASES	33,34-3S-3E	18	241*	8.1	136*	18	241*	
*2013 TEXACO, INC.		BAKER-BUHPUS-SMITH	AUX VASES	33,34-3S-3E		1911		62		419	
LANCASTER, LAWRENCE, WABASH											
3881 NICK BABARE		SHARP WOOD	BETHEL	4-1N-13W	5*	795*	0.3*	143*	5*	221*	
3954 MAYES-WOLFE BROS		LANCASTER UNIT	BETHEL	4,9-1N-13W,33-2N-13W	38*	5422*	1.9*	1238*	38*	1381*	
2255 STONE OIL CO		HELENA	SPAR MTN	16,21-2N-13W	293	1279	22.7	509	202	495	
LANCASTER E, LAWRENCE, WABASH											
*3984 COY OIL CO		FRIENOSVILLE U	BIENL	25,36-2N-13W		232*		17*		51*	
LANCASTER S, WABASH											
3916 HERMAN LOEB		LANCASTER SOUTH	BETHEL	21-1N-13W	22*	633*	1.2*	117*	22*	276*	

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
<b>JOHNSON S, CLARK</b>												
* 212	507	33.0	18.0	277		03-55	12-70	2	2	80	GRAV, PROD (M)	*NO DATA 1965-70
* 213	467	35.0	19.0	285		03-55	12-70	6	7	280	GRAV, PROD (M)	*NO DATA 196A-70
209	490	48.0	16.6	319	30.5	03-49		54	62	504	GRAV, PROD (M)	*ESTIMATED
210	420	15.0	21.0	294		03-55		30	33	479	GRAV, PROD (M)	*ESTIMATED
	465	20.0										
	500	30.0										
<b>JOHNSONVILLE C, WAYNE</b>												
4195	3120	13.0	20.7	230	37.0	01-65		2	3	110	PENN SD, PROD (R)	*ESTIMATED
4167	3070	17.0	19.0	90	39.2	08-62		10	11	440	CYPRESS, PROD (R)	*ESTIMATED 1976
	3200	10.0	14.0	100				9	9	340		
4163	3124	6.0	14.2	2454	38.6	06-62		1	3	80	PRODUCED (R)	*ESTIMATED
4072	3000	8.0	18.6	98	37.0	07-69		6	8	230	PRODUCED (B)	
	3100	6.0	12.0	777	37.0			5	3	220		
4089	3045	25.0	16.7	118	38.0	07-67		21	27	1960	PRODUCED (B)	*EST, +INCL ROTH PAYS
	3175	17.0	11.0	377	38.0			26	25	1960		
4121	3000	7.5	19.1	187	37.0	10-56		27	28	3230	PENN SD, PROD (B)	
*4122	3100	10.0	15.5		37.0	11-54	02-70	1	18	3230	CYPRESS, PROD (R)	
*4134	3019	17.0	19.0	80		11-57	05-68	10	8	360	PENN SD, PROD (R)	*INCL PRIM PROD SINCE 2-58
<b>JOHNSONVILLE S, WAYNE</b>												
*4172	3050	11.0	20.3	82	39.0	05-63	08-70	11	12	480	PENN SD (B)	
<b>JOHNSONVILLE W, WAYNE</b>												
4061	2890	10.0	19.4	175		09-73		1	1	40	PENN SAND, PROD (R)	
4071	2916	7.0			38.0	08-71		3	9	160	PENN SAND (R)	
*4169	3072	11.0	13.5	200	37.0	10-63	01-72	2	4	150	PENN SD, PROD (R)	
*4161	2900	12.0	19.0	92	39.0	05-62	06-69	5	5	170	PENN SD, PROD (R)	
<b>JOHNSTON CITY E, WILLIAMSON</b>												
4503	2580	19.0	16.0		39.0	8-75		2	5	100	PENN SD (B)	
4501	2300	20.0	14.8	80		02-67		4	5	90	CYPRESS SD (B)	
	2580	6.0	12.2	14				2	5	70		
<b>JOHNSTON CITY N E</b>												
4505	2824	22.0			40.0	2-71		1	4	519	PRODUCED (B)	
<b>JUNCTION, GALLATIN</b>												
*1412	1720	14.0	16.0	22	36.0	05-51	04-71	9	10	200	SH SD (F)	*EST 1965-66; NO DATA 1967-71
<b>JUNCTION E, GALLATIN</b>												
1441	2000	15.0	17.0	50		03-68		2	4	80	PENN SD, PROD (M)	*ESTIMATED
<b>JUNCTION N, GALLATIN</b>												
1445	1560	7.0				09-70		1	3	40	SMALLOW SD (F)	*ESTIMATED
<b>KEENSBURG S, WABASH</b>												
3867	2398	12.0			37.8	10-64		3	4	90	SH SD, PROD (M)	*ESTIMATED 1976
3991	1181	13.0	15.0	42	32.5	12-62		5	9	130	SH SD, PROD (M)	*ESTIMATED
*3915	2403	15.0	20.6	134	37.5	11-54	12-59	1	1	60	SH GRAV (F)	*ESTIMATED
<b>KEENVILLE, WAYNE</b>												
*4125	3100	9.0			40.0	11-56	03-66	3	12	220	SH SD, PROD (M)	
*4126	2950	13.0	20.0	155	39.0	04-54	11-61	3	9	120	SH SD (F)	
<b>KENNER, CLAY</b>												
* 305	2700	14.0	15.6	54	36.0	06-59	12-65	23	24	480	PENN SD, PROD (R)	
* 330	2800	21.0	17.0		36.0	06-59	10-67	1	8	270	PRODUCED (B)	
* 353	2719	29.0			35.8	08-63	07-68	1	1	20	PRODUCED (B)	
	2774	18.0						1	1	20		
	2831	13.0						1	1	20		
<b>KENNER N, CLAY</b>												
* 324	2750	10.0	17.0	40	36.0	10-58	12-63	1	3	30	PRODUCED (B)	*ESTIMATED
<b>KENNER W, CLAY</b>												
* 306	2600	13.0			37.5	02-52	06-68	11	15	280	PRODUCED (B)	
	2720	14.0						6	11	200		
	2800	16.0						1	5	70		
<b>KINCAID C, CHRISTIAN</b>												
106	1860	10.0				10-74		16	30#	700	PRODUCED (B)	*EST; +INCL PRIM SINCE 10-74 *PARTIAL DEVELOPMENT TO DATE
<b>KING, JEFFERSON</b>												
*2016	2700	7.0				01-63	11-68	1	3	40	PRODUCED (B)	*WATER INJ INEFFECTIVE
2017	2700	20.0				06-64		3	5	80	CYPRESS, PROD (B)	*EST SINCE 1967; +INACTIVE 1974
2025	2708	10.0	12.0	16		11-64		1	4	80	PRODUCED (B)	*INCL PRIM PROD SINCE 11-64
*2013	2735	11.0			37.0	05-61	02-70	3	2	160	PRODUCED (B)	
<b>LANCASTER, LAWRENCE, WABASH</b>												
3881	2540	21.0	17.0	65	37.5	07-64		2	3	40	PRODUCED (B)	*ESTIMATED
3954	2500	16.0			34.0	12-58		21	34	500	SURF PONOS, PROD (M)	*ESTIMATED
2255	2720	7.0				07-71		4	8	300	PENN SD (B)	
<b>LANCASTER E, LAWRENCE, WABASH</b>												
*3984	1740	9.0			30.6	01-71	01-75	1	2	30	SHALLOW SAND, PROD (M)	*ESTIMATED
<b>LANCASTER S, WABASH</b>												
3916	2520	10.0			36.0	01-55		2	6	80	PRODUCED (B)	*ESTIMATED

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)					
					Water injection		Oil production		Water production	
	Project no. * = ABD. + = P. N.	Operator	Project U = Unit	Location S - T - R	Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
LAWRENCE, LAWRENCE, CRAWFORD										
2257	ACHE CASING	LEWIS	CYPRESS	24-3N-12W	75*	1020*	4,3*	116*	75*	1020*
2215	ASHLAND O AND R	BOLLES-WRIGHT UNIT	BETHEL	7,8,17-4N-12W	75	1551	3,5	57	30	259
2242	BALOWIN, BALOWIN	O'DONNELL	CYPRESS	17-3N-12W	320*	3884*	10,1*	423*	200*	1216*
2291	BALDWIN, BALOWIN	CUMMINS	BRIDGEPORT	6-3N-12W	380*	5060*	19,2*	317*	380*	4236*
2269	FRANCIS BEARD	JENNER	CYPRESS	36-3N-12W	150**	6234**	6,8**	324**	70**	3214**
*2200	CALVAN AMERICAN	PIPER	BETHEL							
*2229	CALVAN AMERICAN	WALLER	CYPRESS	2,11-4N-13W		146		6		
2203	CHARLES E. CARR	CRUMP #40	CYPRESS	5,6-2N-11W		828		12		144*
2209	CHARLES E. CARR	CRUMP UNIT	CYPRESS	19-4N-12W	50*	2187*	2,0*	281*	50*	3153*
2236	CHARLES E. CARR	L GILLESPIE	CYPRESS	31-4N-12W	45*	2317*	2,0*	171*	45*	1359*
			BRIDGEPORT	26,35-3N-12W	30*	9577*	4,7*	851*	110*	7814*
			CYPRESS		60*	9805*				
			BETHEL		20*	1843*				
2241	CHARLES E. CARR	FYFFE	CYPRESS	6-3N-12W,1-3N-13W	20*	6331*	1,0*	462*	20*	2348*
2244	CHARLES E. CARR	BRIDGEPORT UNIT	CYPRESS	6-3N-12W	90*	6785*	4,4*	1153*	90*	4917*
2245	CHARLES E. CARR	S GILLESPIE	CYPRESS	26-3N-12W	200**	2484**	8,4**	205**	200**	1041**
			BETHEL							
2252	CHARLES E. CARR	BOWER-ROSS	CYPRESS	29-4N-12W	200*	2983*	7,8*	237*	200*	2442*
2253	CHARLES E. CARR	FYFFE #39	CYPRESS	31-4N-12W	180*	2499*	10,4*	210*	180*	2120*
2259	CHARLES E. CARR	COOPER-DAVIS	CYPRESS	6,7-3N-12W	38*	2088*	2,2*	162*	38*	2173*
2262	CHARLES E. CARR	FYFFE U	CYPRESS	36-4N-13W	80*	2618*	4,4*	193*	80*	1782*
*2270	CHARLES E. CARR	GRAY FEE WF	CYPRESS	1-2N-12W		1554		93		518
			BETHEL							
2276	CHARLES E. CARR	WITHERS-PELHAM-STATE	CYPRESS	36-3N-12W	50*	2789*	2,4*	278*	50*	1721*
			BETHEL							
*2205	WALTER DUNCAN	L.C. DAVIO	SAMPLE	8-3N-11W		56				6
*2206	T. W. GEORGE EST,	KLONOIKE WF	BETHEL	25,26,35,36-5N-13W		9990		1098		3338*
*2280	GULF OIL CO	H E GRIGGS	CYPRESS	18-3N-12W		245		6		2
			BENOIST							
2211	GAIL HEATH	STOLTZ	BRIDGEPORT	32-4N-12W	160**	14734**	5,4**	1069**	160**	8346**
			CYPRESS							
2240	O. S. HUDDLESTON	VANDERHARK-ALBRECHT	BRIDGEPORT	34-3N-12W	274	3595	14,1	441	274	2530
			CYPRESS							
*2224	ILLINOIS OIL CO.	FINLEY U	CYPRESS	25-3N-12W		748		38		652
			BETHEL							
2225	ILLINOIS OIL CO.	GEE-IRWIN U	CYPRESS	36-3N-12W	78*	624*	3,0*	42*	78*	476*
			BETHEL							
			MCCLOSKEY							
2226	ILLINOIS OIL CO.	DINING HEIRS	CYPRESS	36-3N-12W	69*	997*	3,2*	106*	69*	1090*
			BETHEL							
2227	ILLINOIS OIL CO.	MCCROSKEY HRS	CYPRESS	25-3N-12W	140*	848*	7,4*	86*	140*	816*
			BETHEL							
2277	ILLINOIS OIL CO.	BUNKER HILL U	BRIDGEPORT	12-2N-12W	80*	1614*	4,0*	102*	100*	852*
			BETHEL		100*	1837*	1,9*	68*	80*	650*
2203	J&W EQUIPMENT	BRIDGEPORT S U	BETHEL	19-3N-12W	180*	1416*	24,1*	134*	100*	498*
2281	JENNY LEE OIL CO	CALVERT-HUSGRAVE	BRIDGEPORT	3-3N-12W		7*				
2273	HERMAN LOEB	LOEB AND MCPHERSON	CYPRESS	14,15,22-3N-12W	95*	3350*	6,0*	351*	95*	1964*
			BETHEL							
2275	HERMAN LOEB	BURNS,GRIGGS,ZELLARB	BRIDGEPORT	8-3N-12W	98*	10627*	6,0*	619*	90*	5723*
			CYPRESS							
2213	MARATHON OIL CO.	17 PROJECTS*	JACKSON	73,4N-R12,13W	16076	370944	896,8	49480	15270	268541
			CYPRESS							
			BETHEL							
			BENOIST							
2214	MARATHON OIL CO.	9 PROJECTS*	BRIDGEPORT	T 3,4N R 12,13W	13211	204650	1203,7	18563	12115	162928
2216	MARATHON OIL CO.	4 PROJECTS *	MCCLOSKEY	T 3,4N R 12,13W	1938	57372	71,9	4793	1656	41054
2234	MARATHON OIL CO.	ST LOUIS WF 11-M	ST LOUIS	30-4N-12W	128	295	1,3	3	1	10
2247	MARATHON OIL CO.	HARDINSBURG WF 37-M	HARDINSBURG	27,34-3N-12W	494	2536	38,6	564	270	1235
2279	MARATHON OIL CO.	RIDGLEY 41-P	RIDGLEY	26,34,35-3N-12W	598	7585	42,7	1202	506	5041
*2204	W. C. MCBRIOE	APPLEGATE	JACKSON	7-4N-12W, 12-4N-13W		4468		228		3476
			CYPRESS							
			MCCLOSKEY							
2210	W. C. MCBRIOE	NEAL	BRIDGEPORT	29-4N-12W	502	8134	23,6	864	283	5446
			JACKSON							
			CYPRESS							
			BETHEL							
2219	W. C. MCBRIOE	ROGERS	CYPRESS	14-3N-12W	113	1766	5,7	231	126	1543
			BETHEL							
*2249	W. C. MCBRIOE	HINKLE	MCCLOSKEY	26-3N-12W		175		24		223
*2251	W. C. MCBRIOE	COMBS	CYPRESS	20-4N-12W		779		65		339
			BETHEL							
2254	W. C. MCBRIOE	OALRYMPLE	JACKSON	29-4N-12W	213	5136	5,2	515	178	3533
			CYPRESS							
			BETHEL							
			BENOIST							
2285	W. C. MCBRIOE	HINKLE	BRIDGEPORT	26-3N-12W	236	3015	10,7	474	335	3045
			CYPRESS							
			BETHEL							
2207	NATIONWIDE ENERGY	GRAY AREA	JACKSON	13,14-4N-13W	100*	8007*	5,0*	733*	100*	5590*
			BETHEL							
			BENOIST							
2266	NATIONWIDE ENERGY	KIRKWOOD-MCPHERSON	CYPRESS	11,12,13,14-3N-12W	180*	3060*	12,2*	243*	190*	3000*
*2243	OILFIELD DRLG.	BELL UNIT	CYPRESS	1-3N-13W		2429*		172*		993*
2271	DAVID PHILLIPS	BRUNSON-PAYNE-FAITH	CYPRESS	18,19-3N-11W	120*	415*	5,6*	32*	120*	360*
2274	BERNARD PODOLSKY	GILLESPIE AND CALVERT	CYPRESS	15,22-3N-12W		1227*	2,4	177	32	544
2237	A.BRANDT POWELL	STOLTZ HEIRS	JACKSON	25-4N-13W	35*	1779*	1,8*	350*	35*	917*
			CYPRESS							
			BETHEL							
*2230	REE, INC.	SNYDER	CYPRESS	30-3N-11W		16		1		69
*2222	HUBERT ROSE	LEIGHTY	CYPRESS	32-3N-11W		117*		2*		117*
*2217	SHAKESPEARE OIL	S B'PORT U C MILLER C	BETHEL	20,29,30-3N-12W		4902		536		2057
2288	JOE SIMPKINS OIL	COLLINS SCHL	CYPRESS	6-2N-11W/31-3N-11W/	100*	1525*	5,6*	108*	100*	1230*
			SAMPLE	1-2N-12W						
2202	WAYNE SMITH, OP.	C M PERKINS	BRIDGEPORT	32-4N-12W	269	16907	9,4	865	260	5618

in Illinois, 1976 - continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells Inj. Prod.	Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
<b>LAWRENCE, LAWRENCE, CRAWFORD</b>												
2257	1580	20,0				06-67		9 7	160	PENN 30 (B)		*ESTIMATED
2215	1680	10,0	15,0	20	38,0	07-66		4 8	120	PURCHASEO (F)		
2242	1500	28,0	16,7	15	38,0	04-59		9 7	160	BUCHANAN, PROD (B)		*ESTIMATED 1976
2291	980	30,0				01-58		4 10	80	PRODUCED (B)		*ESTIMATED 1976
	1440	30,0						4 10	80			
2269	1540	25,0	15,0	30		11-62		11 10	100	GRAV, PROD (M)		*ESTIMATED; +INCL BOTH PAYS
	1540	25,0	15,0	30				11 10	100			
*2200	1520	25,0	20,8	33	38,6	12-53	06-56	4 2	60	SM 80 (F)		
*2229	1535	50,0	18,5	70	39,5	03-53	11-55	8 8	160	SM GRAVEL (F)		*ESTIMATED
2208	1280	25,0	20,0	90		04-56		4 4	40	PENN 30, PROD (B)		*ESTIMATED
2209	1420	22,0	20,0	80		12-56		5 4	40	PENN 30, PROD (B)		*ESTIMATED
2236	990	30,0	19,3	200	37,0	11-58		16 10	100	GRAV 8EO, PROD (M)		*ESTIMATED
	1550	28,0	17,0	35				17 10	100			
	1660	10,0	16,5	25				17 10	100			
2241	1580	35,0	18,0	100	35,0	07-59		10 4	45	BUCHANAN 80, PROD (B)		*ESTIMATED
2244	1575	25,0	18,0	80	38,0	06-59		9 10	150	PENN 30, PROD (B)		*ESTIMATED
2245	1550	28,0	17,0	35	39,0	10-60		8 6	50	RIVER, PROD (M)		*ESTIMATED; +INCL BOTH PAYS
	1660	10,0	16,5	25	39,0			8 6	50			
2252	1320	20,0	19,0	120		08-58		4 6	60	PENN 30, PROD (B)		*ESTIMATED
2253	1420	20,0	20,0	80		12-56		3 4	40	PENN 30, PROD (B)		*ESTIMATED
2258	1620	15,0				06-63		3 5	90	PENN 30, PROD (M)		*ESTIMATED
2262	1650	25,0	18,0	130		12-60		8 4	80	PENN 30, PROD (B)		*ESTIMATED
*2270	1545	25,0			37,0	07-61	07-74	3 5	60	SM 30, PROD (M)		*ESTIMATED
	1670	10,0						3 5	60			
2276	1564	20,0	16,9	41	38,5	02-63		8 8	80	SM 30, PROD (M)		*ESTIMATED
	1690	12,0	15,0	17				8 8	80			
*2205	1600	6,0				08-56	09-58	1 1	20	RIVER GRAVEL (F)		
*2206	1625	18,0	17,2	80	37,8	06-52	12-60	44 36	750	SM 80, PROD (M)		*ESTIMATED
*2280	1586	16,0	16,7	21	38,0	04-63	12-67	1 1	10	PRODUCED (B)		
	1746	12,0	16,0	27				1 1	10			
2211	860	25,0	22,3	15	37,0	01-55		10 8	25	GRAV, PROD (M)		*ESTIMATED; +INCL BOTH PAYS
	1400	18,5	17,3	18	37,0			4 8	25			
2240	988	24,0	21,0	398	29,5	08-58		3 7	70	LAKE, PROD (M)		
	1648	15,0			39,8			1 3	40			
*2224	1600	12,0	17,0	50	36,0	01-67	01-72	3 6	80	SM WELL (F)		
	1700	8,0	15,0	35				1 3	40			
2225	1530	20,0	18,0	100	36,0	02-67		1 1	20	PRODUCED (B)		*ESTIMATED
	1630	15,0	16,0	50				1 1	20			
	1780	10,0	15,0					1 1	20			
2226	1550	12,0	18,0	100		12-65		1 2	20	PRODUCED (B)		*ESTIMATED
	1650	10,0	16,0	70				1 2	20			
2227	1600	15,0	18,0	75	36,0	01-66		1 2	10	PRODUCED (B)		*ESTIMATED
	1725	10,0	15,0	50				1 2	10			
2277	975	10,0	19,0	350	35,0	02-64		1 2	40	SM 80 (F)		*ESTIMATED
	1775	8,0	14,0	25	38,0			4 7	100			
2203	2000	18,0	17,5	45	37,0	09-70		4 10	110	PENN 30 (B)		*ESTIMATED 1976
2281	1019	15,0				06-62		1 2	30	SM 30, GRAVEL (F)		*NO DATA 1965-71
2273	1535	15,0	18,5	40	30,0	12-62		7 8	180	BUCHANAN, PROD (B)		*ESTIMATED
	1650	10,0	18,0	15				6 5	120			
2275	850	20,0	21,0	131	30,9	11-56		4 6	50	BUCHANAN, PROD (B)		*ESTIMATED
	1440	20,0						5 7	60			
2213	1375					01-52		488+ 596+	1600+	PROD, FRESH W&W (M)		*JUDY, WESTALL, KING, SUTTON, KIMMEL 8040, MIDOAGH, NEWELL, MOORE, THORN GOULD, SEED, GRAY, HAN, LEIGHTY, JENNER, WIDE-GRAY +EST
	1430	10,0						560+ 550+	5600+			*ROBINS, JOHNSON, KLINGLER, COOPER, SALTZELL, LEWIS, CLARK, FINLEY, GEE +APPLGATE, WILLIAMS, GILLESPIE, VANDERMARK
	1530	10,0						220+ 220+	2400+			
	1600	8,0						30+ 30+	300+			
2214	800	30,0			35,6	08-48		276 393	2096	GRAV, PROD (M)		
2216	1700	20,0		1500		11-56		35 52	1637	GRAV, PROD (M)		
2234	1950	30,0				12-75		4 2	40	PRODUCED (B)		
2247	1350	13,0				09-71		13 10	290	PROD & FRESH (M)		
2279	1230	16,0	17,0	400		08-64		27 30	584	GRAV, PROD (M)		
*2204	1240	10,0	19,0	80	38,7	09-52	12-67	15 16	180	GRAV, PROD (M)		
	1350	15,0	17,0	30				8 8	60			
	1635	3,0	23,0	40				10 10	40			
2210	970	15,0	20,0	200		05-56		1 1	20	PENN 30, PROD (B)		
	1330	6,0	18,0	40				8 8	80			
	1390	23,0	19,0	20				8 8	80			
	1470	18,0	17,0	20				2 2	40			
2219	1530	12,0	16,0	30		08-66		4 6	50	PENN 30, PROD (B)		
	1620	10,0	15,0	20				4 5	40			
*2249	1775	15,0	20,0	175		08-59	01-66	1 4	40	PENN 30, PROD (B)		
*2251	1450	20,0	18,0	50		03-59	02-71	1 1	60	PENN 30, PROD (B)		
	1630	10,0	12,0	10			07-66	2 2	20			
2254	1450	6,0	19,0	80		03-68		1 1	10	PENN 80, PROD (B)		MOST OF THE WATERFLOOD EFFECT HAS BEEN IN JACKSON AND CYPRE8S
	1500	20,0	19,0	80		09-59		3 3	70			
	1575	10,0	16,0	35		09-59		3 5	70			
	1650	13,0	15,0	25		09-59		6 6	70			
2285	1000	10,0	18,0	100		11-63		2 2	40	PENN 80, PROD (B)		
	1550	17,0	18,0	50				4 3	80			
	1660	12,0	15,0	20				5 7	80			
2207	1412	8,0	13,5	9		05-53		10 10	200	BRIDGEPORT, PROD (B)		*ESTIMATED
	1577	11,0	21,0	40				10 10	200			
	1622	16,0	18,5	46				8 7	150			
	1540	20,0				10-64		6 17	280	SM 30, PROD (M)		*ESTIMATED
*2243	1650	20,0	18,0	80	38,0	06-59	03-66	2 1	80	PENN 30, PROD (B)		*1966 DATA ESTIMATED
	2271	1560	16,0			10-69		3 11	130	SM 30, PROD (M)		*ESTIMATED
2274	1590	14,0	18,5	40	30,0	11-62		4 7	100	BUCHANAN, PROD (B)		*INJ. CURTAILED MARCH 1974
2237	1460	6,0	20,0	85	38,0	07-58		1 2	30	PENN 80, PROD (B)		*ESTIMATED
	1550	14,0						3 8	130			
	1680	20,0						1 1	20			
*2230	1580	25,0	21,2	125	38,6	10-52	01-55	1 2	10	TAR SPR, PROD (B)		
*2222	1610	9,0			36,0	02-66	07-74	1 2	30	PENN 30, PROD (B)		*EST, 1968-1971; INJ. SUSP. 1972
*2217	1800	12,1	17,1	70	38,0	10-56	12-66	20 18	313	TAR SPRINGS (B)		
2288	1550	15,0				01-69		17 20	350	PENN 80, GRAV (M)		*ESTIMATED
	1620	10,0						19 25	450			
2202	900	14,0	18,0	125	36,0	02-55		19 10	100	BUCHANAN 30, PROD (B)		

TABLE 11. Waterflood operations

Field, County	General information					Production and injection statistics (M bbl)					
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
LAWRENCE, LAWRENCE, CRAWFORD											
CONTINUED											
	2202	WAYNE SMITH, OP.		CYPRESS							
	2220	WAYNE SMITH, OP.	BUCHANAN	CYPRESS BETHEL BENOIST	7-3N-12W	138	3503	6,9	432	131	857
	2221	WAYNE SMITH, OP.	OSCAR LEIGHTY	CYPRESS	31-3N-11W	449	2094	1,0	73	448	1995
	2233	WAYNE SMITH, OP.	PEPPLE	CYPRESS BETHEL	30-4N-12W		9826	3,5	9A7	65*	4847*
	2238	WAYNE SMITH, OP.	L H SEED	CYPRESS	21-3N-12W	101	1743		15	101	2368
	2256	WAYNE SMITH, OP.	GREEN	CYPRESS BETHEL	24,25-4N-13W		2606	1,2	176	20*	1057*
	2259	WAYNE SMITH, OP.	WHITTAKER AREA	CYPRESS BETHEL	2,10,11-3N-12W	136	11489	20,0	1452	117	5528
	2260	WAYNE SMITH, OP.	E J SEED	JACKSON CYPRESS	15,16,22-3N-12W	193	2173	12,8	170	180	1104
	2265	WAYNE SMITH, OP.	PIPER-DROLL AREA	JACKSON CYPRESS BETHEL BENOIST	1,2,11,12-4N-13W 35,36-5N-13W	631	13518	60,9	1751	570	6478
	2272	WAYNE SMITH, OP.	HAYWARD AREA	CYPRESS BETHEL	25,26-3N-12W	37	2897	20,3	648	16	2194
	*2286	WAYNE SMITH, OP.	BUCHANAN AREA	BRIDGEPORT	2-2N-12W		190		1		2
	*2289	WAYNE SMITH, OP.	W, F. GOULD UNIT	CYPRESS	31-3N-12W		1930		5		1539
	*2223	TEXACO, INC.	LAWRENCEVILLE FEE	CYPRESS	7,18-3N-11W		524		13		134
	2239	ZANETIS OIL PROP	WAYNE HEIRS	AUX VASES HCCLOSKEY	28-3N-11W	20*	322*	1,9*	41*	20*	322*
	*2264	ZANETIS OIL PROP	CABRIL	CYPRESS	36-4N-13W		62		57		197
	2282	ZANETIS OIL PROP	CARLSON	BUCHANAN CYPRESS BETHEL HCCLOSKEY	15-3N-12W	200*	3472*	9,8*	351*	200*	3472*
	2283	ZANETIS OIL PROP	HUOSON WF	CYPRESS	18-3N-11W	10*	718*	0,1*	47*	10*	718*
	2292	ZANETIS OIL PROP	W, H. GILLESPIE	BUCHANAN CYPRESS	15-3N-12W	240*	1207*	19,4*	78*	240*	1207*
LAWRENCE W, LAWRENCE											
	*2250	ACHE CASING	S BUNNER UNIT	BETHEL	14,23,24-3N-13W		1191		186		285
	2235	N. A. BALORIDGE	LAWRENCE WEST	BETHEL	23,24,25-3N-13W	150*	180*	14,9*	15*	150*	180*
LEXINGTON, WABASH											
	3058	80, TRIANGLE CO.	LEXINGTON U	HCCLOSKEY	26-13-14W	170*	2447*	7,3*	61*	170*	635*
LILLYVILLE, CUMBERLAND, EFFINGHAM											
	704	ROYALCO, INC.	KROGHAN	HCCLOSKEY	31-9N-7E	130*	2161*	8,6*	287*	65*	707*
LIVINGSTON, MADISON											
	*2500	WILLIAM H. KROMN	KROGER	PENN	17-6N-6W		67		3		
	*2501	M. W. MCCONNELL	C. AND O. HENKE UNIT	PENN	17,20-6N-6W		104		25		
	*2502	CHARLES P. WOOD	KROEGER	PENN	17-6N-6W		37*		3*		
LIVINGSTON 8, MADISON											
	2508	R. CHOISER	QUAOE-REPOUSCH	PENN	21,22-6N-6W	85*	645*	3,1*	46*	85*	565*
	2509	HOWARD CLEFF	BEST-KERIN-LEITCH	PENN	27,34-6N-6W	85*	795*	4,3*	74*	85*	645*
	2507	FAIRFIELD OIL CO	BLOH-FLOWLER-RUEHRUP	PENN	27-6N-6W	12	673*	6,2	94*	1	9*
LOCUST GROVE, WAYNE											
	4085	ZANETIS OIL PROP	DAUBS 8	AUX VASES	31-1N-9E	15*	399*	1,1*	25*	15*	150*
LOUDEN, EFFINGHAM, FAYETTE											
	1252	N. A. BALORIDGE	LOUDEN **	CYPRESS BETHEL CYPRESS BETHEL BENOIST	77,8N-R3,4E	200+	1772+	65,0+	287+	250+	2100+
	1230	BARGER ENG	BINCLAIR	CYPRESS BETHEL	29-8N-3E	192	4798	8,0	743	192	4736
	1243	BARGER ENG	WELKER	CYPRESS	31-7N-3E	60*	1492*	7,4*	638*	240*	4249*
	*1201	W. L. BELOEN	HINTON U	CYPRESS	32-7N-3E		100		11		
	1202	W. L. BELOEN	UNIT 25	CYPRESS	24,25-8N-3E	122	6737	5,2+	587+*	122+	6335+
	1209	W. L. BELOEN	B. F. OWENS	CYPRESS	9-7N-3E	*	757*	*	215*	*	1038*
	1213	W. L. BELOEN	E. C. SMITH	CYPRESS	20-7N-3E	147	1439	13,3*	844*	147*	2367*
	1226	W. L. BELOEN	SATHER	CYPRESS	16,17-7N-3E	75	1449	10,5*	381*	210*	912*
	1203	O. L. BURTSCHI EST.	O. L. BURTSCHI U	CYPRESS	18-7N-3E	80*	1155*	3,4*	219*	80*	635*
	1207	REVIS O. CALVERT	HOMAN	CYPRESS	29,31,32-7N-3E		16305	4,9*	1953*	60*	11899*
	1215	REVIS O. CALVERT	KOBERLIEN	CYPRESS	30-7N-3E	25*	2763*	0,9*	514*	25*	1847*
	1217	REVIS O. CALVERT	STOKES-WEILER	CYPRESS	14-8N-3E	10*	2610*	0,2*	429*	10*	1255*
	1233	REVIS O. CALVERT	BAPP	CYPRESS	18-7N-3E	10*	1866*	0,7*	158*	10*	698*
	1255	QORAN OIL PROP.	J. W. ARNOLD	CYPRESS	19-7N-3E	75*	1575*	4,8*	106*	75*	1575*
	1204	EXXON	LOUDEN	CYPRESS BETHEL BENOIST AUX VASES	T 7,8,9N-R 2,3,4E	46121	911215	1618,4	131058	36932	516443
	1216	FRY OIL CO	RHOODES-WATSON	CYPRESS BETHEL BENOIST	27,33,34-8N-3E	250+	6530+	8,4*	1099+*	250+	4692+
GENERAL AMERICAN											
	1206	TOM GRACE	GEVORE COOP	CYPRESS	1-7N-2E	121	2199	3,6	383	121	2079
	1254	A. L. HERMANN	BAIL-LONG	CYPRESS	15-7N-3E	45*	720*	1,7+*	39+*	45*	720*
	1244	LILLY	LILLY	CYPRESS BETHEL BENOIST	16-8N-3E	143	3786	26,6	1059	227	3048
	1205	L. B. HOSS TRUST	STEWART AND OIAL	CYPRESS	6-7N-3E	20*	1029*	0,9*	120*	20*	373*
	1225	L. B. HOSS TRUST	EMERSON	CYPRESS	31-8N-3E	10*	102*	0,3*	11*	10*	183*
	1235	L. B. HOSS TRUST	H. LOGUE	CYPRESS BETHEL BENOIST	18-7N-3E	20*	780*	0,9*	36*	20*	453*
	1241	L. B. HOSS TRUST	ARNOLD-MORON-SEALOCK	CYPRESS	19-7N-3E	550*	4179*	39,9*	677*	550*	4022*
	1242	L. B. HOSS TRUST	LAURA LOGUE	CYPRESS	18-7N-3E	25*	300*	0,9*	67*	25*	300*
	1248	L. B. HOSS TRUST	RHOODES	CYPRESS	18-7N-3E	140*	961*	5,7*	186*	140*	1047*
	*1249	L. B. HOSS TRUST	BUZZARO	CYPRESS	3-7N-3E				199		1850
	1210	R. L. HOSS	YOLTON	CYPRESS	12-7N-2E, 7-7N-3E	240*	4078*	11,0*	763*	240*	3101*
	1228	R. L. HOSS	SMITH	BETHEL CYPRESS		20*	543*	1,7*	36*	20*	213*
						60*	2121*	2,9*	220*	60*	1586*

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (*API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SO = Sand GRAV = Gravel PROD = Produced SH = Shallow	
<b>LAWRENCE, LAWRENCE, CRAWFORD</b>												
2202	1350	20,0	18,0	100				19	10	100		
2220	1570	28,0	17,9	64	37,0	12-65		4	1	60	GRAVEL RED (F)	
	1670	9,0	15,9	37				2	2	40		
	1730	9,0	12,5	2				3	4	80		
2221	1650	15,0	16,5	50	3R,0	01-66		5	7	60	RIVER GRAV, PROD (M)	
2233	1400	30,0	18,0	75	37,0	06-57		21	17	130	BUCHANAN SD, PROD (B)	*ESTIMATED 1976
	1650	20,0	14,0	10	39,2			6	7	50		
2238	1630	22,0	74,0	18	33,0	03-67		1	1	20	SH SD (F)	+INACTIVE 1974-76
2256	1530	20,0	16,0	47	37,0	05-60		6	5	70	BUCHANAN SD, PROD (B)	*ESTIMATED
	1675	20,0	12,0	5	37,0			6	5	70		
2259	1520	20,0	18,0	35		11-60		26	26	650	RIVER, PROD. (M)	
	1630	15,0						26	26	650		
2260	1500	5,0				02-61		3	2	40	SH SD (F)	
	1590	16,0						1	2	30		
2265	1310	12,0	18,0	30	38,0	12-61		22	24	500	RIVER, PROD (M)	
	1400	10,0	18,0	35	38,0			21	23	480		
	1525	6,0						8	8	160		
	1585	5,0						6	6	120		
2272	1575	25,0	16,0	20	3R,5	12-63		6	16	120	BRIDGEPORT, PROD (B)	
	1650	14,0						6	16	120		
*2286	950	40,0	19,0	100	31,0	07-63	02-66	2	2	40	SH SD (F)	
*2289	1590	20,0	19,0	75	30,0	09-65	06-70	8	8	180	PENN SD, PROD (R)	
*2223	1560	10,0	17,0	20	37,0	02-70	06-73	4	6	160	PROD, SUPPLY (M)	
2239	1838	8,0	20,0	2	38,5	03-65		1	3	50	PRODUCED (B)	*ESTIMATED 1976
	1919	5,0	15,0	23				1	3	50		
*2264	1640	19,0			38,6	09-62	12-66	1	3	40	SH SD, PROD (M)	
2282	1300	15,0				04-71		2	2	40	PRODUCED (R)	*ESTIMATED 1976
	1516	31,0	16,0	14	36,7	07-64		9	9	180		
	1622	22,0						1	2	40		
	1770	5,0	15,0	2				2	4	100		
2283	1597	18,0	20,8	121	36,1	05-64		2	4	40	PRODUCED (B)	*ESTIMATED 1975-76
2292	1290	20,0				12-72		3	3	60	PRODUCED (R)	*ESTIMATED 1976
	1580	25,0						4	4	80		
<b>LAWRENCE W, LAWRENCE</b>												
*2250	2040	10,0	17,2	36	35,0	12-59	01-66	8	9	287	SH SD, PROD (R)	
2235	2050	18,0				1-75		4	10	150	PRODUCED (B)	*ESTIMATED
<b>LEXINGTON, WABASH</b>												
3658	2850	9,0	14,0	600	3R,0	05-68		2	1	50	SH SD (F)	*ESTIMATED
<b>LILLYVILLE, CUMBERLAND, EFFINGHAM</b>												
704	2450	8,0			35,0	05-57		3	6	160	PROD (B)	*ESTIMATED 1976
<b>LIVINGSTON, MADISON</b>												
*2500	520	15,0			33,5	07-54	12-57	2	5	80	HENOIST, A.V, SDS (R)	
*2501	525	22,0	16,0		36,0	05-52	12-70	10	10	80	SALEM, PROD (R)	
*2502	520	20,0			37,0	05-59	08-68	1	3	160	AUX VASES (R)	*NO DATA SINCE 1962
<b>LIVINGSTON S, MADISON</b>												
2508	2700	5,0	11,0			6-71		2	9	90	PRODUCED (R)	*ESTIMATED
2509	575	15,0				04-72		1	6	70	PRODUCED (B)	*ESTIMATED
2507	545	35,0	22,8	1421	35,0	10-63		5	7	150	SH SD (F)	*ESTIMATED
<b>LOCUST GROVE, WAYNE</b>												
4085	3180	10,0			39,8	08-66		1	2	20	CYPRESS (R)	*ESTIMATED 1975-76
<b>LOUEN, EFFINGHAM, FAYETTE</b>												
1252						02-72		*	*	*		*INCL WITH EXXON TOTALS+EST ** PURCH FROM EXXON 2-72
1230	1446	25,0				08-60		4	4	80	PRODUCED (B)	
	1528	25,0						4	4	80		
1243	1530	40,0				11-56		2	4	80	TAR SPR, PROD (B)	*ESTIMATED 1976
*1201	1584	20,0	17,4	126	34,0	09-56	01-63	1	1	20	PRODUCED (B)	
1202	1530	15,0			34,0	10-57		122	335	240	TAR SPR, PROD (B)	*INCL PRIM PROD; *ESTIMATED
1209	1450	27,0			38,0	09-54		1	3	40	TAR SPR, PROD (R)	*INJ SUSPENDED 01-01-69
1213	1400	20,0	21,0	150	38,0	07-57		4	6	100	TAR SPR, PROD (R)	*ESTIMATED
1226	1480	30,0				09-68		2	9	140	TAR SPR, PROD (B)	*ESTIMATED
1203	1475	30,0				08-56		1	1	20	PURCHASED (B)	*ESTIMATED
1207	1562	37,0	18,0	200		03-54		2	3	320	PRODUCED (B)	*ESTIMATED
1215	1590	30,0				05-57		4	5	80	TAR SPR, PROD (B)	*ESTIMATED
1217	1480	25,0	19,4	93		03-56		3	3	60	TAR SPR, PROD (B)	*ESTIMATED
1233	1400	30,0	19,0	85		11-62		4	2	40	TAR SPR, PROD (R)	*ESTIMATED
1255	1490	25,0				01-66		1	6	80	PRODUCED (B)	*ESTIMATED
1204	1500	18,5	19,5	102	38,0	10-50		650*	675*	14700*	TAR SPR, PROD (R)	*INCL 1252
	1580	11,6	18,3	85				360*	400*	7770*		
	1620	15,4	19,1	109				260	280	5890		
	1660	14,1						25	25	541		
1216	1500	12,0	18,6	91	37,5	06-57		12	5	120	TAR SPR, PROD (R)	*INCL PRIM PROD SINCE 6-57 +EST
	1360	11,0						2	4	60		
	1580	12,0						4	5	80		
1206	1454	10,0	18,0	43	37,0	07-57		1	6	100	PRODUCED (B)	
1254	1560	7,0				03-67		1	3	70	PRODUCED (B)	*EST, +INCL PRIM PROD SINCE 1967
1244	1475	22,0			35,5	08-64		6	5	118	TAR SPRINGS (B)	
	1555	22,5						6	5	118		
	1610	27,5						3	2	50		
1205	1522	20,0	19,0	90	38,0	07-57		3	3	40	TAR SPR, PROD (R)	*ESTIMATED
1225	1500	12,0	19,0		37,0	01-59		1	1	10	PRODUCED (B)	*ESTIMATED
1235	1475	26,0	19,0		37,0	11-61		1	1	20	PURCHASED (R)	*ESTIMATED
	1580	15,0	19,0					1	1	20		
1241	1490	68,0	20,0		38,0	11-58		1	9	140	PURCHASED (B)	*ESTIMATED
1242	1550	15,0			35,0	08-63		2	2	40	PRODUCED (B)	*ESTIMATED
1248	1530	20,0	19,0		38,0	01-65		1	4	40	TAR SPR, PROD (B)	*ESTIMATED
*1249	1550	30,0	19,0	150	38,0	06-60	12-69	1	3	40	TAR SPR, PROD (B)	
1210	1504	30,0				08-57		4	4	85	TAR SPR, PROD (R)	*ESTIMATED
	1540	29,0				07-57		4	4	40		
1228	1504	25,0				01-58		2	3	40	TAR SPR, PROD (B)	*ESTIMATED

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
LOUDEN, EFFINGHAM, FAYETTE CONTINUED											
	1232	HUGHES PROD.	MOPPER=TOWNSEND-MCLRY	CYPRESS	12-7N-2E	139	2796	11,4	661	139*	3502*
	*1223	MUMBLE O AND R	LOUDON DEVONIAN*	GENEVA	2,10,11,15,20,21,22, 27,28,29,32,33-8N-3E		207361		19241		184970
	*1208	JARVIS BROS.	YAKEY	CYPRESS	6-7N-3E		2832		286		1923
	*1234	KINGWOOD OIL CO.	WELKER	CYPRESS	13-7N-2E		115		2		23
	1214	KOON8 & FRANK EXPL	MOHAN	CYPRESS	29-7N-3E	88*	4589*	4,4*	581*	88*	4740*
	1247	KOON8 & FRANK EXPL	KIMBRELL=GOOD	CYPRESS	19-7N-3E	440*	4196*	20,8*	579*	440*	3890*
	1236	M=S-C- CORP	O.L. BURTSCHE	CYPRESS	18-7N-3E	190*	2113*	12,2*	296*	190*	1757*
	1237	M=S-C- CORP	SEFTON	BETHEL	1,12-7N-2E	125*	1226*	7,9*	283*	125*	1480*
	1224	MOBIL OIL CORP.	LOUDEN	CYPRESS	5-7N-3E, 32-8N-3E	1989	31655	64,6	5145*	2641	24724
	1227	MOBIL OIL CORP.	BUZZARD BROS.	BENOIST							
				CYPRESS	29-8N-3E	178	2299	4,9	237*	131	2015
	*1212	SMULMAN BROTHERS	LOUDEN EXTENSION	BETHEL							
				CYPRESS	34,35,36-8N-3E, 2,3-7N-3E		35840		3208*		23587
	1229	TEXACO, INC.	LOUDEN SOUTH UNIT	CYPRESS	6-6N-3E,31-7N-3E	2009	24238	57,7	2170*	2064 2	5713
	1108	TRI STAR PROD CO	LOUDEN EXTENSION	CYPRESS	19-8N-4E	65*	771*	3,3*	118*	65*	271*
	1200	TRI STAR PROD CO	RHOODES, MCCLOY	CYPRESS	26,27,34-8N-3E	85*	1943*	4,4*	93*	85*	1667*
	1218	TRI STAR PROD CO	N. LOUDEN U	BENOIST							
	1219	TRI STAR PROD CO	8. LOUDEN U	CYPRESS	20,21-7N-3E	100*	18918*	5,0*	1620*	100*	14121*
	1220	TRI STAR PROD CO	OURBIN, FORCE AREA	CYPRESS	21,28,29-7N-3E	100*	15735*	6,0*	2171*	100*	12773*
	1221	TRI STAR PROD CO	HIATT	CYPRESS	24,26-8N-3E	65*	2277*	2,6*	329*	65*	994*
	*1231	TROOP DRILLING	W A EAGLETON	CYPRESS	29-7N-3E 20-8N-3E	70*	2938*	2,9*	487*	70*	2827*
							41		62		100*
LOUISVILLE N, CLAY											
	* 373	MCKINNEY,FUNDERB	WOLF=PORTER	SPAR MTN	9,10-4N-6E		25		2		20
MCKINLEY, WASHINGTON											
	*4011	JET OIL CO.	FREIMAN=MUNLETH	BENOIST	29-38-4W		151		1		152
MAIN C, CRAWFORD, LAWRENCE, JASPER											
	* 667	M. J. ADAMS	M. J. ADAMS W F	ROBINSON	28-8N-12W		1058				
	* 602	ASMLAND O AND R	BIROS 1	ROBINSON	9,10,15,16-5N-11W		19507		536		
	* 603	ASMLAND O AND R	BIROS 2	ROBINSON	20-5N-11W		2512		114		605
	604	BELL BROTHERS	BARRICK	ROBINSON	13-7N-13W		* 1975*	1,2	145	77	960
	688	C E R PRODUCTION	OBLONG	ROBINSON	9-7N-13W	45*	992*	2,0*	91*	45*	1002*
	* 599	CALIENTE OIL CO	GEORGE L. WALTERS	ROBINSON	2-6N-13W	50*	1632*	2,0*	32*	50*	720*
	* 589	CLARENCE CATT	SPARKS WF NO. 1-M	BETHEL	13-6N-12W		258		11		119
	598	CLARENCE CATT	MUOSON WF	BETHEL	6-5N-12W	20*	792*	0,9*	21*	20*	391*
	* 616	CLARENCE CATT	MC CALL	ROBINSON	1-5N-13W		6		1		6
	643	CLARENCE CATT	EAGLETON UNIT	SAMPLE	1-5N-13W	135*	1093*	7,9*	54*	135*	713*
	646	CITATION OIL CO	CONOVER	ROBINSON	19-7N-12W	200*	626*	13,4*	26*	200*	626*
	* 695	JACK COLE	MULLINS	ROBINSON	9-5N-12W		15		8*		11
	* 609	E. CONSTANTIN	J.S. KIRK	ROBINSON	29,30,31,32-7N-12W		977*		57*		
	* 610	E. CONSTANTIN	SMITH	ROBINSON	7-7N-12W, 12-7N-13W		337		1		1
	* 607	CREST ASSOCIATES	MITCHELL	ROBINSON	24,25-7N-13W		935*		107*		125*
	* 615	CREST ASSOCIATES	PORTERVILLE	ROBINSON	25,36-8N-13W		1345		44		
	* 619	ENERGY RESOURCES	ALEXANDER=REYNOLDB	ROBINSON	19,20-7N-12W		8450*		602*		2095*
	644	ENERGY RESOURCES	CRAWFORD CO. FLOOD	PENN	6,7-5N-12W	70*	1145*	4,2*	46*	70*	1033*
	612	O. W. FRANCHOT	BIROB	ROBINSON	14,15,16,21,22-5N-11W		53049		1529		4250
	617	R. M. FRY	WRIGHT FLOOD C	ROBINSON	23,26-6N-13W		8335*		300*		5640*
	693	R. M. FRY	BHILTS FLOOD C	ROBINSON	8-6N-13W	45*	3499*	2,0*	81*	45*	1897*
	631	MAROLO FUNCANNON	BIROS AREA	ROBINSON	16,20,21,28,29-5N-11W	375*	32520*	17,0*	1538*	375*	20902*
	* 614	GEN. OPERATIONS	LITTLEJOHN	ROBINSON	20-6N-12W		699		34		179
	594	GETTY OIL CO	A.W. MANN	ROBINSON	5,6-5N-12W,32-6N-12W	583	10373	10,1	470	349	6412
	596	GETTY OIL CO	STIFLE=MCKNIGHT	ROBINSON	7,18-7N-13W	326	3128	10,4	221	239	2005
	597	GETTY OIL CO	ALLEN=AMES OEEP	BETHEL	29-7N-13W	587	3726	21,7	418	183	1203
	630	GETTY OIL CO	BIRCH 1	AUX VASES							
	632	GETTY OIL CO	BARRICK=WALTERS	MCCLOSKEY							
				ROBINSON	14-6N-13W	291	6934	5,9	493	252	4447
				ROBINSON	18,19-7N-12W, 13,24-7N-13W	2477	37984	43,1	1829	1866	20168
	633	GETTY OIL CO	GOOD=MAWS	ROBINSON	16,17,21,22-6N-13W	149	9212	7,1	651	104	5813
	* 634	GETTY OIL CO	MOHARO	ROBINSON	11-7N-13W		5713		461		5213
	635	GETTY OIL CO	AMEB	ROBINSON	29-7N-13W	139	3151	9,3	320	171	2941
	636	GETTY OIL CO	OENNIS=HAROIN	ROBINSON	27,34-6N-13W	578	13280	11,0	875	310	8603
	637	GETTY OIL CO	THOMPSON	ROBINSON	26,27-6N-13W	85	2704	4,0	269	74	2521
	* 641	GETTY OIL CO	STIFLE=ORAKE	ROBINSON	9,10,16-7N-13W		8369		564		5788
	645	GETTY OIL CO	H DRAKE	BETHEL	17-7N-13W	203	1496	1,2	18	22	142
	648	GETTY OIL CO	C.M. STIFLE C	AUX VASES							
				BETHEL	8-7N-13W	63	411	0,5	6	5	75*
	649	GETTY OIL CO	J.G.MCKNIGHT C	AUX VASES							
				BETHEL	18-7N-13W	10	230	1,2	11	15	85
	668	GETTY OIL CO	HIGHSMITH	ROBINSON	20,21-6N-12W	421	6958	8,2	280	173	3581
	* 696	GETTY OIL CO	WALTERS=BLANTZ	ROBINSON	14,15-7N-13W		938		58		597
	* 621	ILL. LSC, OP.	BIEMR=NEWLIN=MOUBER	ROBINSON	19-7N-13W		288*		28*		117*
	* 618	G. JACKSON	STANFIELO	ROBINSON	17-8N-12W		47				5
	613	KOONS & FRANK EXPL	CULVER WATERFLOOD	ROBINSON	5,6,7-7N-12W		* 4691*		* 189*		
	590	PERRY LACKEY	QUICK HRS HARTLEROAD	ROBINSON	29-7N-12W		368*		50*		250*
	591	O. R. LEAVELL	BIOLE	ROBINSON	25-8N-13W	70*	723*	3,6*	26*	70*	384*
	606	O. R. LEAVELL	GROGAN (FLOOD 26)	ROBINSON	4,5,9-7N-13W		* 6064*		* 433*		
	611	O. R. LEAVELL	OBLONG (FLOOD 25)	ROBINSON	5,8,9-7N-13W	40*	9043*	2,0*	630*		
	669	O. R. LEAVELL	OBLONG (FLOOD 27)	ROBINSON	8-7N-13W	50*	1556*	3,5*	191*		
	670	O. R. LEAVELL	STIFLE	ROBINSON	8-7N-13W		* 3010*		* 52*		
	691	O. R. LEAVELL	OBLONG (FLOOD 29)	ROBINSON	17-7N-13W		* 190*		* 65*		
	620	THE MACDONNELL CO	CONOREY AREA	ROBINSON	6,7-7N-13W/12-7N-14W	321	3248	31,4	241	321	2664
	671	THE MACDONNELL CO	KIRTLAND U	ROBINSON	5-6N-13W	229	6658	2,7	174	229	2707
	672	THE MACDONNELL CO	KIRTLAND=DEE	ROBINSON	5,6-6N-13W	665	18976	25,0	909	653	12234



in Illinois, 1976 - continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells Inj.	Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
<b>LOUGEN, EFFINGHAM, FAYETTE</b>												
<b>CONTINUED</b>												
1232	1505	25.0			36.0	08-57		5	7	100	TAR SPR, PROD (B)	*ESTIMATED
*1223	3100	18.0	14.4	41	29.0	09-43	12-66*	5	42	2600	PRODUCED (B)	*CONVERTED TO GAS STORAGE RESEVOIR
*1208	1400	18.0				11-57	12-69	3	4	70	TAR SPR, PROD (B)	
	1540	27.0						2	5	70		
*1234	1558	11.0				05-62	12-69	1	1	10	TAR SPR, PROD (B)	
1214	1595	28.0			36.0	08-55		2	4	80	TAR SPR, PROD (B)	*ESTIMATED
1247	1534	22.0				01-59		2	5	40	TAR SPR, PROD (B)	*ESTIMATED
1236	1550	15.0			39.0	09-53		4	8	60	TAR SPR, PROD (B)	*ESTIMATED 1974-76
	1580	12.0						4	7	60		
1237	1560	20.0			39.0	08-57		2	3	50	TAR SPR, PROD (B)	*ESTIMATED 1974-76
1224	1450	18.0	18.4	101	37.0	01-58		24	12	240	TAR SPR, PROD (B)	*INCL PRIM PROD SINCE 1-58
	1525	20.0						12	12	240		
	1550	40.0						12	12	240		
1227	1400	20.0	18.4	102	38.3	10-58		2	2	40	TAR SPR, PROD (B)	*INCL PRIM PROD SINCE 10-58
	1420	20.0						2	2	40		
*1212	1530	30.0	20.0	200	36.0	12-55	12-68	46	48	416	TAR SPR, PROD (B)	*INCL PRIM PROD SINCE 12-55
1229	1600	25.0	18.5		37.0	05-60		19	18	632	PRODUCED (B)	*INCL PRIM SINCE 12-60
1108	1550	8.0			36.7	01-63		4	6	200	TAR SPR, PROD (B)	*ESTIMATED 1975-76
1200	1515	12.0			37.5	01-54		8	1	20	PRODUCED (B)	*ESTIMATED 1975-76
	1570	12.0						4	4	80		
	1590	10.0						6	6	120		
1218	1550	21.0	21.0	180	37.5	11-56		5	5	250	TAR SPR, PROD (B)	*NO INJ 8-72 TO 1-76; +E8T 73-76
1219	1550	18.4	20.4	164	37.5	03-55		5	5	350	PRODUCED (B)	*ESTIMATED 1975-76
1220	1493	30.0			37.5	10-56		2	2	160	PRODUCED (B)	*INCL PRIM PROD SINCE 10-56 +E8T
1221	1536	40.0	19.0	250	37.2	09-56		2	2	40	PRODUCED (B)	*ESTIMATED 1975-76
*1231	1520	6.0			39.4	04-61	04-71	1	2	40	TAR SPR, PROD (B)	*SINCE 1-65
<b>LOUISVILLE N, CLAY</b>												
* 373	2800	10.0				11-70	05-72	1	2	30	CYPRESS (B)	
<b>MCKINLEY, WASHINGTON</b>												
*4011	1050	10.0				04-65	07-69	2	2	20	PRODUCED (B)	
<b>MAIN C, CRAWFORD, LAWRENCE, JASPER</b>												
* 667	1000	22.0	18.5	98		01-58	12-58	5	4	80	LAKE, PRODUCED (M)	
* 602	950	30.0	21.0	136	31.0	05-54	01-64	67	53	530	PENN SAND (B)	
* 603	930	25.0	21.0	125	30.8	03-57	01-66	11	9	200	GRAV, PROD (M)	
604	960	56.0	19.2	126	34.9	10-54		4	2	40	PENN SO, PROD (B)	*INJ CEASED 5-1-69
688	980	20.0	40.0	75	36.0	07-52		5	12	200	PRODUCED (B)	*ESTIMATED
* 599	930	20.0	18.1	141	32.7	10-64	12-75	5	7	70	PENN SO, PROD (B)	*ESTIMATED
* 589	1350	7.0				02-64	01-70	1	1	20	PRODUCED (B)	
598	1320	10.0			35.0	04-64		2	1	20	8M SO (F)	*ESTIMATED
* 616	820	18.0			32.0	05-66	01-70	1	3	40	PRODUCED (B)	
643	1257	19.0	17.6		33.0	01-68		4	3	80	PRODUCED (B)	*ESTIMATED
	1323	15.0	16.0					4	3	80		
646	930	22.0	19.0	95		06-70		5	6	40	PENN SO (B)	*ESTIMATED
* 695	925	10.0	20.0	100	33.4	12-62	12-68	2	6	100	PENN SO (B)	
* 609	900	20.0	17.0	170	34.0	08-51	06-69	14	37	56	CITY WATER (F)	*NO DATA SINCE 1960
* 610	900	25.0	18.0	70	34.0	03-54	01-70	6	5	50	SURFACE (F)	
* 607	890	10.5	21.1	99	33.5	06-53	01-65	13	19	78	PENN SO, PROD (B)	*NO DATA 1963-65
* 615	890	20.0	17.0	47	32.6	04-54	01-70	5	19	50	LAKE (F)	
* 619	940	22.0	22.0	167	34.0	12-51	01-76	33	32	280	CYPRESS, PROD (B)	*7EMP ABO 8-71
644	1180	7.5	17.6	324	34.0	06-68		2	9	50	PENN SO (B)	*ESTIMATED 1972-76
	1380	7.8	17.3	46	36.0			1	4	140		
* 612	950	20.0	18.9	162	31.7	06-51	11-71	95	104	1030	RIVER GRAV, PROD (M)	
617	900	15.0	20.0	245	34.0	01-53		9	16	18	PENN, PROD (B)	*EST 1970-73/1974 COMB WITH #650
693	900	10.0	18.0	150	36.0	06-63		6	6	80	PENN, PROD (B)	*ESTIMATED 1970-76
631	950	21.8	19.4	197	30.1	02-52		51	49	764	GRAV, PROD (M)	*ESTIMATED 1972-76
* 614	850	24.0	20.0	50	37.5	10-52	12-58	4	9	60	PENN SO, PROD (B)	
594	950	20.1	20.0	150	33.0	01-64		18	19	140	BASAL PENN, PROD (B)	
	1320	9.0	16.0	40				9	6	80		
596	950	17.3	20.0	100	34.0	04-61		9	9	92	PENN SO, PROD (B)	
597	1332	10.0	14.2	30		01-70		9	5	170	PROD, FRESH (M)	
	1406	5.0	18.0	10				9	6	170		
	1434	4.0	19.6	10				9	5	170		
630	881	34.3	19.1	108	33.0	08-54		10	7	61	GRAV, PROD (M)	
632	950	30.9	20.0	152	35.0	03-54		28	36	407	PENN SO, PROD (B)	
633	930	24.3	21.0	378	35.0	09-57		4	5	174	PRODUCED (B)	
* 634	950	20.2	19.6	184	35.3	02-52	11-71	10	19	79	PRODUCED (B)	
635	980	25.3	20.0	150	35.0	10-56		7	8	153	SM SO, PROD (M)	
636	875	33.7	19.8	173	32.7	08-50		18	10	93	PURCHASED (B)	
637	860	32.9	19.8	108	33.0	09-52		8	3	40	PURCHASED (M)	
* 641	980	23.6	18.2	221	33.5	06-52	11-71	19	19	278	PENN SO, PROD (B)	
645	1364	8.0			36.8	10-71		6	2	80	SM SO, PROD (M)	
	1404	6.0						6	2	80		
648	1403	14.0	14.0	13	34.0	01-72		2	2	80	PURCHASED (B)	*ADJUSTED TO 1976 DATA
	1438	12.0	11.0	2				2	2	80		
649	1412	3.0	11.5	19	34.0	09-72		1	1	20	PURCHASED (B)	
	1435	8.0	8.8	2				1	1	20		
668	920	21.2	20.0	80	35.0	04-59		11	6	140	PENN SO, PROD (B)	
* 696	950	17.1	19.0	200		06-63	11-71	4	10	67	PENN SO, PROD (B)	
* 621	896	36.0				07-63	01-73	2	5	180	PENN SO (B)	*NO DATA BEFORE 1967
* 618	977	30.0	23.0	57	36.0	06-52	08-53	3	3	20	SM SO, PROD (M)	
613	950	17.0	19.5	108	36.8	02-61		13	20	126	POND, PROD (M)	*NO DATA SINCE 1971
590	935	12.0	19.3	36	37.0	11-64		4	9	60	PRODUCED (B)	*ESTIMATED 1970-76
591	1000	10.0	15.0	85	34.0	07-61		3	6	80	PRODUCED (B)	*ESTIMATED
606	950	20.4	18.9	71	37.0	10-53		12	22	151	GRAV, PROD (M)	*ESTIMATED; +NO DATA, 1975-76
611	950	23.2	18.3	69	37.0	08-56		23	29	174	GRAV, PROD (M)	*ESTIMATED
669	950	15.3	17.8	33	37.0	01-58		8	8	87	GRAV, PROD (M)	*ESTIMATED SINCE 1969
670	950	24.4	18.9	85	37.0	01-58		5	2	27	GRAV, PROD (M)	*ESTIMATED; +NO DATA 1973-76
691	950	15.0	18.6	106	37.0	01-63		1	5	22	GRAV, PROD (M)	*NO DATA 1973-76
620	910	21.0	20.8	165	34.4	11-66		5	29	310	PRODUCED (B)	
671	800	40.0	20.1	143	34.9	01-58		9	7	30	PENN SO, PROD (B)	
672	913	40.0	20.8	158	36.8	01-58		23	61	330	PENN SO, PROD (B)	

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Location S - T - R	Water injection		Oil production		Water production		
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76	
MAIN C, CRAWFORD, LAWRENCE, JASPER											
CONTINUED											
	623	MARATHON OIL CO.	17 PROJECTS*	ROBINSON	T6,7,8N-R12,13,14W	11454	449921	336,3	29545	10906	263605
	650	MARATHON OIL CO.	FLOOD 99=X	ROBINSON	687N-R13W	327	1599	18,9	66	468	1212
	698	MARATHON OIL CO.	TMONNTON WF 21=M	BETMEL	17,18,19,20,29-7N-13W	2099	24999	115,6	2879	1542	13086
				AUX VASES							
				MCCLOSKEY							
*	592	MT, CARMEL DRUG.	NEW MEBRON WATERFLOOD	ROBINSON	22-6N-12W		1562		113		887
*	593	MT, CARMEL DRUG.	STEWART-INBODEN	BETMEL	36-6N-12W		133		5		32
*	624	PARTLOW, COCHMOR	RICH	ROBINSON	35,36-6N-12W		2716		67		1134
*	662	PETROL, PROD, CO	RMODES	ROBINSON	29,32-8N-12W		445				
	608	PRUDENTIAL OIL	TOMILL-MUGMES	ROBINSON	27,28-6N-13W		6035		401		4180
*	625	REO MEAD OIL CO.	DIM	ROBINSON	25,26-3N-13W		4220*		105*		1103*
*	663	REE, INC.	MESERVE UNIT	ROBINSON	11-6N-13W		251		1		39
*	626	E. C. HEEVES	BILLINGSLEY COOP	ROBINSON	34,35-7N-13W		2736*		89*		92*
*	605	M. P. ROBERTS	BISMOP C	ROBINSON	19,20-8N-12W		2208		35		
	622	CURTISS ROSS	OSES-LEWIS-WALL-YOUNG	ROBINSON	4,9-6N-13W	200*	7400*	12,2*	122*	200*	2000*
	647	ROYALCO, INC.	OHLONG BENOIST	BETMEL	19,20,29,30-7N-13W	180*	712*	19,0*	34*	180*	1137*
*	680	ROYALCO, INC.	OAK RIDGE	BETMEL	17-5N-12W		537				
*	681	ROYALCO, INC.	OAK RIDGE U	CYPRESS	17-5N-12W		3213		108*		893*
*	685	ROYALCO, INC.	DENNIS MEIRS U	ROBINSON	29,30-7N-13W		22916		1032		8368
*	686	ROYALCO, INC.	C. J. BEST	ROBINSON	20,29-7N-13W		2366		109		874*
*	687	ROYALCO, INC.	STEWART MEIRS	ROBINSON	21-6N-13W		4090		289		2310
*	689	ROYALCO, INC.	MULSE-ALLEN	ROBINSON	12,13-7N-14W		397		75		424*
*	697	ROYALCO, INC.	OSES C	ROBINSON	28-6N-13W		1463		60		858
*	627	SHAKESPEARE OIL	MCINTOSH UNIT	ROBINSON	17,18,19,20-6N-12W		396		18		241
*	628	SHAKESPEARE OIL	MONTGOMERY UNIT	ROBINSON	32,33-6N-12W		516		18		177
					4-5N-12W						
*	664	C. E. SKILES	WALTER COMM COOP	ROBINSON	1-6N-13W, 36-7N-13W		76				29
*	661	SKILES OIL CORP.	CORRELL-GURLEY COOP	ROBINSON	10-7N-12W		1214		30		227
*	665	SKILES OIL CORP.	WEGER COOP	ROBINSON	18,19-5N-11W		770		8		109
					13,24-5N-12W						
*	595	JAMES M. STONE	MC CANE	ROBINSON	28-7N-12W		55		1		12
*	629	JAMES M. STONE	CLARK-MULSE	ROBINSON	18-7N-13W		5726		303		3981
	639	JAMES M. STONE	LEFEVER-MUSGRAVE	ROBINSON	13-7N-14W	60*	3699**	1,8*	425**	60*	2219**
*	638	TIDEWATER OIL CO	HENRY-ICKEMIRE	ROBINSON	10,15-7N-13W		4187		470		2401
*	640	TIDEWATER OIL CO	MONTGOMERY-SEITZINGER	ROBINSON	15,16-5N-11W		1544		67		817
*	642	TIDEWATER OIL CO	WALTER-STAML COOP	ROBINSON	13,14-7N-13W		991		111		712
*	679	WAUSAU PET. CORP	HIGSMITH COOP	ROBINSON	31-6N-12W		153*		111		37*
	659	E. L. WHITMER	SANDERS	ROBINSON	26,34,35,36-6N-13W, 1,2,3-5N-13W	140*	6626*	6,0*	121*	140*	1901*
	694	WICHITA INDUSTRIES	FLYNN	ROBINSON	26,35-8N-13W	350*	5201*	15,3*	539*	330*	3564*
*	692	GEORGE WICKHAM	PRICE, KEITH, BARLOW	ROBINSON	8,17-7N-12W		1571		59		921
MAPLE GROVE C, EDWARDS, WAYNE											
*1008	ASHLAND O AND R	BENNINGTON COOP	MCCLOSKEY	7,18-1N-10E			572		166*		
4078	ENERGY RESOURCES	MT ERIE E	AUX VASES	22,23-1N-9E			108*		10*		18*
4063	TRIPLE B OIL CO	MURBLE	AUX VASES	13-1N-9E	110*		540*	5,3*	32*	110*	460*
*1025	L. URBANSKI	MAPLE GROVE	MCCLOSKEY	9,10-1N-10E			1238*		188*		1238*
*4127	WINMAR OIL CO.	W BENNINGTON	AUX VASES	13-1N-9E			171*		32**		213
MARINE, MADISON											
2504	KARCHMER PIPE	MARINE PILOT U	SILURIAN	8,9,17-4N-6W		280*	1804*	3,2*	25*	280*	1736*
MARKMAM CITY, JEFFERSON											
*2003	TIDEWATER OIL CO	NEWTON	STE GEN	1-3S-4E					1		7
MARKMAM CITY W, JEFFERSON											
*2004	GULF OIL CO	W MARKMAM CITY U	AUX VASES	3,4,9,10-3S-4E			6404		429		4477
			MCCLOSKEY								
*2020	H DOUBLE L	MARKMAM CITY WEST U	MCCLOSKEY	34,35-2S-4E, 2-3S-4E			300		1		300
MARTINSVILLE, CLARK											
* 214	AMERICAN PUMP	FROERMAN AND CONNELLY	PENNSYLVANIN	13-9N-14W			3778*		121*		
* 218	J. B. BUCHMAN	W MORGAN	CARPER	31-10N-13W			283				5
* 219	MOBIL OIL CORP.	CARPER	CARPER	30-10N-13W			1111		10*		10
* 220	MOBIL OIL CORP.	CASEY	CASEY	19-10N-13W			872		2		34
MASON N, EFFINGHAM											
1104	MID-STATES OIL PROP	MASON N U	BENOIST	9,10-6N-5E		35*	2317*	2,6*	169*	35*	2353*
			AUX VASES								
MATTOON, COLES											
* 515	ASHLAND O AND R	DEGLER BROS COOP	CYPRESS	3-12N-7E			459		22		174
			SPAR MTN								
	900	N. A. BALORIOGE	MATTOON	CYPRESS	23,24,25,26,27,34,35, 36-12N-7E, 2,11-11N-7E	450*	33874*	19,3*	2087*	450*	14567*
				SPAR MTN							
	507	N. A. BALORIOGE	UOELL	SPAR MTN	10-11N-7E	80*	581*	4,7*	26*	80*	581*
	512	N. A. BALORIOGE	SOUTH MATTOON UNIT	CYPRESS	34-12N-7E, 3-11N-7E	280*	10780*	11,6*	1216*	280*	6022*
				AUX VASES							
				SPAR MTN							
	520	N. A. BALORIOGE	MATTOON COOP	SPAR MTN	10,11-11N-7E	25*	641*	1,8*	74*	25*	251*
*	504	DELL CARROLL	MATTOON	CYPRESS	23-12N-7E		189		20		88
*	506	DELL CARROLL	MATTOON	SPAR MTN	23-12N-7E		348		84		173
*	516	DELL CARROLL	CARLYLE 4-A	SPAR MTN	11-11N-7E		47		25		28
	583	COLLINS BROS.	LANOSMAN-HILL	CYPRESS	27-12N-7E	50*	775*	2,4*	87*	50*	775*
				SPAR MTN							
	503	WALTER OUNCAN	REDMAN-MACKE	CYPRESS	23-12N-7E	50*	603*	2,8*	74*	50*	649*
				SPAR HTN							
	511	WALTER OUNCAN	OMH	CYPRESS	2,3-11N-7E	250*	3035*	14,3*	428*	250*	1290*
				AUX VASES							
				SPAR HTN							
	514	WALTER OUNCAN	ARTMUR-OLIVER	SPAR HTN	2-12N-7E	110*	3225*	3,5*	247*	110*	1530*
	521	WALTER OUNCAN	COLEMAN UNIT	SPAR HTN	10-11N-7E	37*	884*	1,6*	179*	37*	767*
*	501	PHILLIPB PET. CO	TINSLEY	SPAR HTN	22-12N-7E		249		15		144
*	509	SAFARI OIL CO	NORTH MATTOON UNIT	CYPRESS	10,11-12N-7E		1977		157*		457

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (*API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
MAIN C, CRAWFORD, LAWRENCE, JASPER												
CONTINUED	623	920	20,0	19,5	125	34,0	05-48	344	442	6176	GRAV, PROD (M)	*WILKIN, HUGHES, BRUBAKER, HAMILTON HARGIS, REED, FAWLEY, PPRICE, SMILT WODO, YDRK, KIRTLAND, BONO, CARLTON MANN, SHIRE, ARNOLO *NOW INCL IN OTHER WF PROJECTS
	650	900	20,0	20,0	100		01-74	1*	1*	1*	PRODUCED (R)	
	698	1340	10,0	15,0	30	38,0	07-63	48	43	1410	GRAV, PROD (M)	
		1390	8,0					45	40	1410		
		1450	8,0					32	29	1050		
* 592	930	14,0	15,8	16	36,0	01-63	10-71	8	14	130	PENN SD (R)	
* 593	1310	10,0	16,0	45	34,0	03-64	07-66	2	2	50	PENN SD, PROD (B)	
* 624	1008	22,0	24,3	240	26,0	10-54	12-61	5	9	60	LAKE, PROD (M)	
* 662	1000	15,0	20,0	75	39,7	09-51	12-56	4	2	40	SM SD, PROD (M)	
608	900	20,0	20,0	100	32,0	06-51		6	9	130	SM SD, PROD (M)	
* 625	840	10,5	21,2	98		07-53	12-62	16	14	103	PENN SD, PROD (R)	*EST VAR 1951-73/COMB W/650 1974
* 663	950	22,7	21,9	89		11-53	05-55	4	4	20	PENN SD (R)	*1960, 1961 ESTIMATED
* 626	925	20,0	30,0	45		12-53	07-64	6	8	115	PENN 8D (R)	*NO DATA FROM 1961 TMRU 1964
* 605	1000	22,4	22,1	156	35,7	11-53	02-60*	26	7	70	SM FR, PROD (M)	*ESTIMATED
622	875	15,0				01-68		14	16	300	SM SD, PROD (M)	*ESTIMATED
647	1250	8,0	16,5	20	38,0	04-71		7	14	360	PRODUCED (B)	*ESTIMATED 1976
* 680	1590	8,0	14,0	15	35,7	10-61	05-69	1	5	420	SM WELL, PROD (M)	*INCL WITH 681
* 681	1470	15,0	18,5	57	35,9	10-61	05-69	5	6	420	SM WELL, PROD (M)	*INCL 680
* 685	950	20,0	19,0	120	37,2	12-59	05-69	71	84	380	SM WELL, PROD (M)	
* 686	950	20,0	15,0	12	37,2	11-61	05-69	7	11	80	SM WELL, PROD (M)	*ESTIMATED
* 687	990	38,0	28,7	240	37,0	10-60	11-70	6	9	40	PRODUCED (B)	
* 689	936	50,0	18,5	74	36,8	12-61	03-69	3	5	180	PURCHASED (B)	*ESTIMATED
* 697	930	12,0	17,0	64	37,2	09-61	05-69	7	9	160	SM WELL, PROD (M)	
* 627	925	12,0			32,6	07-54	01-59	4	8	39	PENN 8D (R)	
* 628	975	25,8	22,6	150	28,3	05-54	05-58	6	6	52	PENN 8D (R)	
* 664	985	12,5	20,1	93	36,0	12-51	01-53	5	6	40	PENN SD, PROD (R)	
* 661	1035	20,0	22,2	100	33,0	07-51	09-55	18	17	180	PENN SD, PROD (B)	
* 665	900	20,0	17,0	37		11-52	07-56	9	11	90	CREEK, PROD (M)	
* 595	1128	30,0	19,0	200		03-65	06-66	1	4	5	PENN SD (R)	
* 629	910	25,4	19,9	278	34,0	01-52	01-70	13	4	80	SM 8D, PROD (M)	
639	910	24,0	20,0	250	34,0	02-54		14	14	119	SM SD, PROD (M)	*ESTIMATED SINCE 1966 *CORRECTED
* 638	935	14,6	21,0	175	35,0	07-48	12-63	24	44	104	PENN 8D, PROD (R)	
* 640	979	21,0	19,0	144	32,0	05-54	12-65	6	3	64	SM SD, PROD (M)	
* 642	987	15,9	20,0	100	35,0	11-54	07-65	7	2	56	PENN SD, PROD (R)	
* 679	890	20,0	21,5	50	32,0	09-51	04-59	13	23	130	PENN SD (R)	*LAST DATA AS OF 12-31-52
659	880	20,0	21,0	205	32,0	08-52		65	57	277	PENN 8D, PROD (B)	*ESTIMATED; NO DATA 1958-1974
694	980	12,0	18,6	200	37,4	11-63		14	18	210	LAKE, PROD (M)	*ESTIMATED 1973-76
* 692	1050	10,0			30,0	05-62	09-66	2	3	30	PENN 8D, PROD (R)	
MAPLE GROVE C, EDWARDS, WAYNE												
*1008	3100	5,0			38,0	09-52	06-61	4	11	300	PRODUCED (B)	*INCLUDES PRIMARY PROD
4078	3170	15,0				11-68		1	1	30	PENN SD (R)	*ESTIMATED, NO DATA SINCE 1973
4063	3150	12,0				09-71		2	8	110	PENN SAND,	*ESTIMATED
*1025	3270	8,0			36,0	07-61	01-74	5	5	280	CYPRESS, PROD (R)	*ESTIMATED SINCE 1967
*4127	3150	15,0	24,0	50	37,0	01-57	12-61	1	5	60	CYPRESS SD (B)	*ESTIMATED *INCL PRIM PROD
MARINE, MADISON												
2504	1725	99,0			34,0	12-70		3	7	240	PROD & SUPPLY (M)	*ESTIMATED
MARKHAM CITY, JEFFERSON												
*2003	3080	6,0				08-55	12-56	1	1	40	CYPRESS (R)	*OUMP FLOOD
MARKHAM CITY W, JEFFERSON												
*2004	2900	11,8	22,1	269	38,0	04-54	12-63	12	9	230	CYPRESS, PROD (R)	
	3000	7,0	15,4	230				7	7	150		
*2020	3050	10,0			36,0	09-64	05-67	1	2	270	CYPRESS (R)	
MARTINSVILLE, CLARK												
* 214	530	25,0	24,0	43	32,0	01-56	03-75	50	42	240	LAKE (F)	*NO DATA 1959-69
* 218	1346	40,0	16,0	11	30,0	10-52	12-53	2	6	40	SM SD (F)	
* 219	1334	27,0				01-51	02-55	4	1	10	SM GRAV (F)	*INCL PRIM PROD 1-51 TO 2-55
* 220	464	25,0				08-50	12-54	8	3	23	SM GRAV, (F)	
MASON N, EFFINGHAM												
1104	2280	11,0	16,0	24	38,0	10-58		2	3	100	TAR SPR, PROD (B)	*ESTIMATED
	2344	17,0				08-65		1	1	30		
MATTOON, COLES												
* 515	1722	10,0			38,4	12-63	02-67	2	5	80	PURCHASED (B)	
	1920	10,0						2	5	80		
500	1750	13,0	16,0	84		05-52		20	25	850	PROD, SEWAGE EFF (M)	*ESTIMATED
	1950	12,0						20	28	900		
507	1980	19,0			35,0	04-66		2	2	50	PRODUCED (B)	*ESTIMATED
512	1800	14,6	20,0	54	39,0	03-62		13	18	300	GRAVEL BED (F)	*ESTIMATED
	1910	10,0						6	4	100		
	1980	11,0	12,6	97				17	19	400		
* 520	1960	10,0	12,0			04-66		3	6	80	SM SD (F)	*ESTIMATED
* 504	1770	9,0				04-59	12-66	4	7	100	PURCH, PROD (B)	
* 506	1970	10,0			37,0	04-59	12-66	4	7	100	PURCH, PROD (B)	
* 516	1975	12,0			36,0	05-64	01-72	1	2	35	PURCHASED (B)	
523	1785	8,0				04-61		1	2	30	PRODUCED (B)	*ESTIMATED
	2000	6,0						1	2	30		
503	1770	10,0				06-59		1	1	20	PRODUCED (B)	*ESTIMATED
	1970	9,0						2	2	40		
511	1800	20,0				08-62		5	9	160	GRAVEL BED (F)	*ESTIMATED
	1920	12,0				09-68		1	3	40		
	1970	12,0						8	8	160		
514	1930	8,0				02-63		4	4	180	SM 8D, PROD (M)	*ESTIMATED
521	1920	11,0				04-66		3	2	50	GRAV, PROD (M)	*ESTIMATED
* 501	1950	10,0	15,0	990	37,0	11-50	12-54	2	5	70	PRODUCED (B)	
* 509	1800	10,0	18,0	40	39,0	02-61	01-72	8	15	360	PENN 8D (B)	*INCL PRIM PROD SINCE 2-61

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)					
	Project no. * = ABD. + = P. M.	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
MATTOON, COLES CONTINUED										
* 519	8CHAEFER OIL CO.	HERKIMER	SPAR HTN	11-12N=7E		1124*		58*		334*
517	STEVEN & FORSYTHE	G. BRINING	AUX VASES SPAR HTN	3=11N=7E	75*	537*	4.3*	71*	75*	418*
MATTOON N, COLES										
518	ELMER M NOVAK	N.W. MATTOON WF	SPAR HTN	22-13N=7E	74*	1570*	2.3*	160*	74*	1430*
MAUNIE N C, WHITE										
4307	DEVON CORP.	ACKERMAN-BOMLEBER-JSN	AUX VASES	35-55=10E		652*		65*		115*
4328	DEVON CORP.	ACKERMAN	AUX VASES SPAR HTN	23,26-55=10E	55	1268*	3.2	89*	27	593*
4384	MIO=STATES OIL PROP	MAUNIE WF U	PENNSYLVNIN BETHEL	24,25,36-55=10E	160**	6407**	8.0**	1630**	160**	3748**
*4282	LOUIS PESSINA	RIBEYRE ISLAND UNIT	AUX VASES MCCLOSKEY	19,30-55=14W		817		180		373
4356	REBSTOCK OIL CO.	M B BOMLEBER	AUX VASES MC CLOSKEY	26-55=10E	15*	1068*	0.9*	145**	15*	1116**
*4220	RULEO OIL CORP.	MAUNIE N U	AUX VASES	18,19-55=14W		2640*		338*		
*4272	G. SCHOONMAKER	MAUNIE W UNIT	AUX VASES	35-55=10E, 2=65=10E		2720*		184*		1737*
*4405	WALKER ORLG CO.	GRAY	BETHEL AUX VASES	25-55=10E		69		1		7
MAUNIE S C, WHITE										
4213	ABSMER OIL CO	PALESTINE UNIT	BRIDGEPORT PALESTINE	13,24=65=10E/ 18=65=11E	520**	2420**	43.0**	190**	520**	1345**
*4230	MOBIL OIL CORP.	TAR SPRINGS U	TAR SPRINGS AUX VASES	19-65=11E		4748		792*		2049
*4239	MOBIL OIL CORP.	MAUNIE COOP	TAR SPRINGS	24,25=65=10E		180		11*		102
*4268	MOBIL OIL CORP.	TAR SPRINGS U 2	TAR SPRINGS	24=65=10E		639		60		209
4273	SERNARD POODLSKY	ARNOLO UNIT	CYPRESS	7,18=65=11E		848*	4.7	257	1	133
*4265	REBSTOCK OIL CO.	SOUTH CLEAR POND	PALESTINE TAR SPRINGS	12,13=65=10E		2097		141		428
MELROSE, CLARK										
* 227	SHAKESPEARE OIL	MELROSE U	ISABEL	13,24=9N=13W		192		4		2
MILETUS, MARION										
2632	FEAR AND OUNCAN	JONES #1	BENOIST	16-4N=4E	25*	246*	1.8*	14*	25*	241*
MILL SHOALS, HAMILTON, WAYNE, WHITE										
4352	AMERICAN PUMP	MCINTOSH U	AUX VASES	31=35=8E, 6=48=8E	90*	5787*	4.4*	456*	90*	3756*
4386	AMERICAN PUMP	MILL SHOALS U	AUX VASES	19,20=35=8E	65*	3751*	3.1*	255*	65*	2956*
4410	COY OIL CO	BROWN ET AL	AUX VASES	29,30,31,32=35=8E	70*	1001*	3.7*	126*	70*	895*
*1571	PAUL GRAEHLING	FYIE	AUX VASES	25=35=7E		*		37*		
*1505	BARRON KIDD	GARDNER	AUX VASES	24=35=7E		*		28		
4133	SHULMAN BROTHERS	POORMAN=FOX	AUX VASES	13=35=7E, 18,19=35=8E	75*	1312*	7.1*	109*	75*	538*
1569	TAMARACK PET.	DAUBY=NEWBY SW	AUX VASES	36=38=7E	329	1417*	15.6	181*	347	1021
4279	TAMARACK PET.	DAUBY=NEWBY NE U	AUX VASES	30,31=35=8E	576	3434*	8.3	199*	386	1648
*4411	TAMARACK PET.	E. MILL SHOALS	AUX VASES	20,29=35=8E		1319		74		513
4183	TEXACO, INC.	A.J. POORMAN *A* NCT=2	AUX VASES	19=35=8E	122	3060	9.4	148	122	796
4337	TEXACO, INC.	A.J. POORMAN *A*NCT 1	AUX VASES	31,32=35=8E	110	2630	4.9	201	91	1153
*1506	SAH TIPPIS	B.R. GRAY, TRUSTEE	AUX VASES	1=45=7E		3211*		349		1444*
*4363	M. WEINERT EST.	MILL SHOALS UNIT	AUX VASES	30=35=8E		6705		326		3089
4397	M. WEINERT EST.	WEST MILL SHOALS UNIT	AUX VASES	20,29,30=35=8E	110	3230	2.8	189		
MODE, SHELBY										
3802	OURR & DANNENBERG	MODE FIELD	BENOIST	15,16,21,22=10N=4E	35*	496*	1.6*	334**	35*	506*
MONTROSE N, CUMBERLAND										
708	EGO OIL CO	MONTROSE WF	MCCLOSKEY	34-9N=7E	*	103*	0.2	11	*	9*
MT CARMEL, WABASH										
3855	T. M. BANE ESTATE	HARRIS	BIEHL CYPRESS	17-15=12W	*	*	10.2*	115*		
3864	FRMERS PETR COOP	SHAW	CYPRESS	7-15=12W	58	657*	2.6	107*	14	216*
*3913	FRMERS PETR COOP	WABASH UNIT	MCCLOSKEY	5=18=12W		425		89		165
*3941	FIRST NATL PET	SHAW=COURTER	CYPRESS	7=15=12W		259		28		9
*3946	FIRST NATL PET	SHAW=COURTER	BIEHL	7-15=12W		364		69		148
*3919	T. W. GEORGE EST.	NORTH MT CARMEL	CYPRESS	4,5=15=12W		350		29		
*3958	T. W. GEORGE EST.	DUNKEL-JOHNSON	CYPRESS	32=15=12W		400*		22		
*3884	M AND M OIL CO	C F CHAPHAN	TAR SPRINGS	7,18=15=12W		169		10		83
3854	HAYES DRILLING CO	COTNER	CYPRESS	21=15=12W	*	*	4.6*	30*		
3872	GILBERT A. HIGGINS	CROW-MILLER	CYPRESS	8=15=12W	*	*	0.6*	98*	3*	125
3983	GILBERT A. HIGGINS	MT CARMEL N U	BIEHL	4,9=15=12W	15*	4239*	1.1*	368*	15*	1400*
3849	ILL. MIO-CONT.	ZIMMERMAN UNIT	CYPRESS	10=15=12W	150*	420*	7.3*	22*	150*	420*
*3887	JUNIPER PETROLEUM C	CLAY HOELLER	CYPRESS	5=15=12W		256*		16		191
3890	JUNIPER PETROLEUM C	PALYMRA U	BIEHL	5=18=12W	112*	3212*	6.9*	202*	97*	1297*
3977	JUNIPER PETROLEUM C	W. MT CARMEL	TAR SPRINGS CYPRESS	18,19=15=12W	108	1953	4.1	159	59	802
3882	HERMAN LOEB	CAMPBELL MEIRS	CYPRESS	7=18=12W	55*	775*	2.6*	41*	55*	411*
3923	LOES & MITCHELL	CHAPMAN=COURTER U	CYPRESS	7,18=15=12W	80*	1954*	3.6*	326*	80*	1353*
*3921	ELMER M NOVAK	MT CARMEL U	CYPRESS	17=15=12W		1763		129		
*3862	WILLIAM PFEFFER	BAIRO-SCHULER	BIEHL	20=15=12W		160*		12*		142*
3922	SMELL OIL CO.	MT CARMEL U	BIEHL	17,18=15=12W	120	14069	20.7	1785	215	11100
*3924	SKILES OIL CORP.	W MT CARMEL	CYPRESS	18,19=15=12W		895		138		513
3863	WAYNE SMITH, OP.	MT CARMEL UNIT	BIEHL	21=18=12W	208	3642	11.3	284	150	2427
3889	SO. TRIANGLE CO.	NORTHEAST MT CARMEL U	BIEHL	16,21=15=12W	600*	3713*	42.4*	320*	525*	1845*
3975	SO. TRIANGLE CO.	BAUMGART-MARE	CYPRESS BIEHL	1=18=13W/6=15=12W	105*	537*	6.1*	90*	105*	417*

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity ('API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SIL = Shallow	
<b>MATTOON, COLES</b>												
CONTINUED												
* 519	1920	8,0			38,0	03-69	12-75	3	11	150	PENN 30 (B)	*1975 DATA ESTIMATED
517	1920	10,0			37,0	11-64		1	3	40	PURCHASED (F)	*ESTIMATED
	1970	15,0						1	1	40		
<b>MATTOON N, COLES</b>												
518	1900	6,0	14,7	167	38,9	03-64		4	9	130	SM 30, PROD (M)	*ESTIMATED SINCE 1970
<b>MAUNIE N C, WHITE</b>												
4307	2955	14,0			35,8	04-67		2	2	40	RIVER GR (F)	*EST; +TEMP ABD, NO DATA 1976
4328	2940	20,0			36,0	06-67		2	3	50	GRAV, PROD (M)	*CUM8 CORRECTED TO 1976 DATA
	3035	4,0				08-61		1	2	40		
4384	1350	10,0			34,0	08-64		1	4	40	RIVER GRAVEL (F)	*ESTIMATED +JNC ALL PAYS
	2800	15,0						13	16	290		
	2950	15,0						5	8	140		
	3020	4,0						2	5	50		
*4282	2305	6,0	18,4	204	36,0	05-59	06-68	5	6	120	GRAV, PROD (M)	
	2345	10,0						3	2	50		
4356	2940	15,0		30	37,0	04-67		4	4	80	PRODUCED (B)	*INCL BOTH PAYS +EST
	3050	8,0			37,0			3	3	80		
*4220	2900	12,0				10-57	05-69	5	3	90	RIVER GRAVEL (F)	*ESTIMATED
*4272	2950	13,0	15,4	37	38,0	10-58	10-66	12	12	310	GRAVEL BED (F)	*ESTIMATED 1965-66
*4405	2830	10,0				06-65	01-67	1	2	30	PENN 30 (B)	
	2940	10,0						1	2	30		
<b>MAUNIE S C, WHITE</b>												
4213	1390	7,0				12-70		1	1	20	PRODUCED (B)	*ESTIMATED
	2010	13,5				02-53	12-70	39	23	630		*INC B'PORT, TAR SPR, AUX VASES
	2240	4,0				09-71		1	1	20		
	2850	9,0				09-71		1	1	20		
*4230	2270	14,0	19,0	612	37,3	08-67	12-57	12	13	230	GRAV, PROD (M)	*INCL PRIM PROD, 8-67 TO 12-57
*4239	2275	14,0			38,0	11-55	01-58	2	5	70	GRAV, PROD (M)	*INCL PRIM PROD
*4268	2275	14,0	17,0	550	37,0	11-49	12-54	3	2	50	SM GRAVEL (F)	
4273	2590	4,7	15,5	44	36,2	02-64		2	6	194	PENN 30, PROD (B)	*INJECTION CURTAILED 1973
*4265	2000	8,0			35,0	06-57	12-67	2	4	60	PENN 30, PROD (B)	
	2200	10,0						6	8	150		
<b>MELROSE, CLARK</b>												
* 227	845	9,0	17,0	20	34,8	12-60	08-62	5	6	105	8M SAND (F)	
<b>MILETUS, MARION</b>												
2632	2150	8,0				10-66		1	1	20	PRODUCED (B)	*ESTIMATED
<b>MILL SHOALS, HAMILTON, WAYNE, WHITE</b>												
4352	3220	21,0	20,0	195	39,0	06-62		2	5	373	GRAV, PROD (M)	*ESTIMATED 1976
4386	3220	18,5	18,5	75	39,0	08-64		3	6	188	CREEK, PROD (M)	*ESTIMATED 1976
4410	3225	12,0	18,0	125	37,0	11-65		3	4	70	GRAVEL (F)	*ESTIMATED
*1571	3220	15,0				01-71	09-76	1	1	40		*ADJACENT TO ACTIVE WF +B8T
*1505	3243	11,0				09-56	12-62	1	2	30	MARIONSBURG (B)	*DUMP FLOOD
4133	3235	25,0			37,0	07-67		3	5	140	SM SD, PROD (M)	*ESTIMATED
1569	3200	15,0				04-71		2	6	80	SM GRAVEL (F)	*CUM8, CORRECTED TO 1976 DATA
4279	3200	15,0			38,0	10-69		3	7	130	SHALLOW SO (F)	*CUM8, CORRECTED TO 1976 DATA
*4411	3250	12,5	19,6	125	38,3	03-65	07-69	5	8	225	CREEK, PROD (M)	
4183	3212	16,0	22,0	130	37,0	08-64		2	3	60	GRAV, PROD (M)	
4337	3200	19,0	15,8	58	36,0	09-61		2	2	200	GRAV, PROD (M)	
*1506	3245	11,0	21,0		37,0	05-52	12-65	10	8	180	GRAVEL BED (F)	*ESTIMATED 1961-65
*4363	3200	22,0	21,0		35,8	08-62	05-69	13	8	220	GRAVEL BED (F)	*ESTIMATED
4397	3240	19,0				09-65		7	8	376	8M SO (F)	
<b>MODE, SHELBY</b>												
3802	1770	10,0	15,0		34,0	12-61		3	5	330	PRODUCED (B)	*INCL PRIM PROD +EST
<b>MONTROSE N, CUMBERLAND</b>												
708	2488	10,0			36,0	02-71		1	1	40	CYP SAND (B)	*INJ, SUSPENDED 1-75
<b>MT CARMEL, WABASH</b>												
3855	1480	9,0				07-70		* 2	30			*ADJACENT TO ACTIVE WF +B8T
	1980	6,0						* 1	30			
3864	2070	7,0				05-67		1	5	80	PENN 30 (B)	*CUM8, CORRECTED TO 1976 DATA
*3918	2307	8,0				10-57	12-74	3	6	75	PRODUCED (B)	
*3941	2050	12,0				04-53	12-57	1	4	50	SM SO (F)	
*3946	1375	16,0			40,2	02-50	12-59	1	2	30	PROD, FRESH (M)	
*3919	2000	14,0			35,4	08-55	12-61	3	4	70	PENN 30 (B)	
*3958	2000	12,0				10-57	02-62	4	5	100	8M SO (F)	*ESTIMATED
*3884	1766	10,0			33,0	05-64	04-67	1	1	10	PRODUCED (B)	
3854	1980	7,0				07-70		* 2	30			*ADJ TO ACTIVE WF +EST
3872	2010	11,0				01-64		* 2	20			*ADJ TO ACTIVE WF +EST
3983	1450	13,0	18,0	200	35,7	09-61		4	7	120	RIVER, PROD (M)	*ESTIMATED
	1950	7,7	16,0	34	37,4			7	7	243		
3849	1890	12,0				09-73		1	5	70	PRODUCED (B)	*ESTIMATED
*3887	1995	15,0			35,0	11-63	01-74	1	1	20	SM SO, PROD (M)	*INJ SHUT DOWN 7-71
3890	1510	8,0			36,0	11-63		1	7	40	SM SO, PROD (M)	*INCL ALL PAYS
	1670	10,0						1	4	50		
	2020	24,0						4	9	135		
3977	2046	10,0	17,0	83	35,0	09-61		3	4	80	SM SO (F)	
3882	2030	11,5	17,2	32	36,0	07-66		2	3	60	SM SO, PROD (M)	*ESTIMATED
3923	2050	19,0	16,5	159	37,0	01-55		3	3	75	PRODUCED (B)	*ESTIMATED
*3921	2140	13,0				07-54	12-61	6	15	234	SM SO, GRAV (F)	
*3862	1475	10,0				07-67	01-74	2	3	60	PRODUCED (B)	*ESTIMATED
3922	1500	16,0	19,0	182	39,2	07-54		15	14	140	WABASH RIVER (F)	
	2075	12,5						13	22	570		
*3924	1730	6,0				10-55	07-63	3	3	70	PRODUCED (B)	
3863	1450	16,0	17,0	100	39,0	12-67		10	10	200	GRAVEL BED (F)	
	2000	10,0	18,0	150				12	12	210		
3889	1475	7,0	18,0	165	32,4	07-70		9	12	220	RIVER GRAVEL (F)	*ESTIMATED
	1980	9,0	19,0	250	36,3			4	5	230		
3975	1660	14,0				11-69		1	4	50	PRODUCED (B)	*ESTIMATED



Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells Inj.	Acres under Prod.	Source: SD = Sand GRAV = Gravel PROD = Produced SII = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
<b>MT CARMEL, WABASH</b>												
<b>CONTINUED</b>												
3897	1704	11.0	18.9	221	34.8	06-71		1	1	20	RIVER GRAV (F)	*INCL BUTM PAYS
						06-63		4	5	100		
*3917	1500	6.7	15.3	310	36.6	06-52	01-58	2	3	70	SH SD, GRAV (F)	*DATA FOR 1954 EST
*3873	1350	10.0			35.0	07-64	10-68	2	1	30	GRAV, PROD (M)	*INCL BOTH PAYS
	1900	12.0						4	5	111		
*3875	1710	12.0			32.4	04-64	05-69	1	2	40	SM SD, PROD (M)	*INCL BOTH PAYS
	2010	11.0	17.0	29		04-64		2	1	73		
3876	1490	14.0			35.0	03-64		1	4	110	SH SD, PROD (M)	
	1690	8.5	18.9	79				1	1	30		
	2000	7.8	17.0	82				1	4	180		
*3879	1490	14.0			35.0	03-64	04-68	1	1	50	SM SD, PROD (M)	*INCL WITH 3880
*3880	1990	12.0			35.0	03-64	04-68	1	1	50	SH SD, PROD (M)	*INCL 3879
*3925	1710	12.0	18.9	221	32.4	03-64	08-67	3	1	116	SH SD, PROD (M)	
	2010	11.0	17.0	29	32.4			3	1	73		
<b>NEW HARMONY C, EDWARDS, WABASH, WHITE</b>												
4283	2350	9.0				01-59		1	2	30	GRAVEL RED (F)	*ESTIMATED
	2550	6.0						5	5	100		
	2800	6.0						3	5	80		
	2900	14.0						6	6	120		
4313	2560	17.0			37.0	11-60		4	2	80	GRAV, PROD (M)	*ESTIMATED
	2700	20.0						4	2	80		
	2820	18.0						4	3	80		
4335	2670	25.0			38.3	11-61		1	2	80	SM SD, PROD (M)	*INCL 4333, 4334) +EST
4398	2552	20.0			37.0	12-63		2	2	40	SM SD, PROD (M)	*ESTIMATED
	2662	20.0						2	2	40		
*3926	2650	6.5	16.0	60	37.5	04-56	11-71	4	4	130	GRAV, PROD (M)	
*3927	2650	7.0	17.0	16	38.4	05-57	12-66	1	2	20	GRAV, PROD (M)	
3857	1900	10.0				06-66		1	2	40	PRODUCED (B)	*ESTIMATED
	2100	22.0						2	2	40		
	2400	16.0						1	1	20		
3888	2570	12.0	18.9	87	39.0	12-69		3	7	65	WATER WELL (F)	*ESTIMATED
4293	2600	9.0			36.0	03-53		1	4	50	PRODUCED (B)	
	2700	9.0	13.0			03-53		1	2	20		
	2885	10.0	13.0	30		03-53		1	1	30		
3851	2000	20.0				12-60		3	13	130	PRODUCED (B)	*ESTIMATED
4274	2585	13.0	18.2	46	34.3	08-58		4	4	80	SH SD, PROD (B)	*ESTIMATED
	2705	17.0	16.0	20	36.1			5	6	110		
	2820	15.0	17.0	31	36.2			6	6	110		
4316	2550	15.0	17.5		38.9	08-61		2	2	40	SM SD (F)	
	2700	12.0	16.8					1	2	30		
	2850	18.0	19.0					4	4	80		
4426	2608	22.0			36.0	03-66		1	7	80	PRODUCED WATER (B)	*ESTIMATED
3987	2470	10.0				09-70		1	2	40	PURCHASED (F)	*ESTIMATED
	2635	11.0						1	2	40		
	2742	9.0						1	3	50		
	2858	4.0						1	2	40		
*4219	2695	12.0			37.5	03-53	04-60	1	3	40	GRAVEL BED (F)	
3491	2320	12.0			34.4	10-63		1	4	160	SH SD, PROD (M)	*ESTIMATED
*3980	2200	10.0			36.0	02-61	10-66	6	6	120	RIVER GRAV, PROD (M)	
*3982	2300	13.0	16.1	90	36.8	02-61	01-72	9	8	170	SH SD (F)	*NO INJ 12/67-6/69) 1971 NO DATA
4303	2844	7.0				04-60		1	1	30	GRAVEL BED (F)	*ESTIMATED SINCE 1968) +SWD ONLY
4312	2888	4.0	16.2	25	36.4	03-60		1	1	140	GRAVEL BED (F)	*INJ TEMP SUSPENDED 4-65
3963	1800	12.0	21.0	200	33.0	10-59		6	4	130	GRAV, PROD (M)	*ESTIMATED) +INCL ALL PAYS
	2700	13.0	16.2	40				12	12	310		*INCL RETMEL
	2800	8.0				10-59	12-64	3	3	60		
*4338	2850	20.0	17.0	50		03-60	12-63	6	5	120	SH SD, GRAV (F)	*INCL 4339
*4339	2720	5.0	15.0			03-60	12-63	2	2	50	SH SD, GRAV (F)	*INCL WITH 4338
*4368	2575	10.0	16.2	118	39.0	01-63	08-68	4	4	80	GRAV, PROD (M)	*INCL FORMER PROJ 4366, 4367
	2790	9.0	14.3	50				2	2	40		
	2900	16.0	18.0	125				4	4	80		
*4286	2680	10.0			33.0	09-59	09-70	2	1	40	GRAV, PROD (M)	*INJ TEMP DISC 12-64
*4326	2855	20.0			36.0	06-60	08-70	1	1	35	GRAV, PROD (M)	
3949	1740	15.0	20.6	39	37.0	10-56		1	4	50	SH SD (F)	*NO DATA SINCE 1958 +EST
*3994	2100	15.0			36.4	11-62	12-65	1	1	20	SH SD, PROD (M)	
4280	1930	6.0	16.0	50	36.0	11-65		5	9	100	GRAV, PROD (M)	*INCL ALL PAYS) +EST
	2244	8.0	18.0	47	36.0	08-66		2	3	40		
	2746	5.0	15.0	32	36.0	11-65		1	1	20		
	2872	12.7	18.1	43	37.8	02-59		4	6	120		
*3929	2600	20.0	18.0	50	38.0	07-51	12-62	2	5	70	GRAV, PROD (M)	*NO DATA AFTER 1959 +INCL 3930
*3930	2500	10.0	17.0	100	38.0	05-52	12-62	1	2	30	SM SD, PROD (M)	*NO DATA AFTER 1959 +WITH 3929
3878	2490	25.0				02-75		1	6	70	RIVER GRAV (F)	*ESTIMATED
*4330	2215	12.0	19.0	140		01-55	09-63	1	1	50	SH SD, PROD (M)	*INCL PRIM PROD 1-55 TO 9-63
*3907	2500	15.0	17.0	57	36.1	07-52	12-56	2	7	90	SURFACE (F)	*INCL PRIM PROD 7-52 TO 12-56
*3947	2400	12.0				01-55	12-57	1	3	40	SURFACE (F)	
3976	1950	5.0	17.8		37.0	12-64		1	6	90	RIVER GRAV, PROD (M)	*ESTIMATED 1976
	2410	10.0	17.0		39.0			3	7	120		
3874	1700	11.0	12.0	82	35.0	01-68		62	36	210	SH GRAV, PROD (M)	
	1775	8.0	12.0	56				11	11	230		
	2420	26.0	15.0	72				16	34	680		
	2550	10.0	12.0	15				28	20	500		
4433	2910	12.0	12.0			05-74		1	2	80	PENN SD,,PROD(B)	
	3080	26.0	18.0					1	2	80		
4290	2215	9.0			36.4	12-59	01-68	3	3	60	SH SD, PROD (M)	*NO INJ 1972-76) +INCL ALL PAYS)
	2570	11.0				01-68		6	6	120		*EST 1970-76
	2670	25.0						8	9	170		
	2825	12.0						8	9	170		
4242	1500	17.7	14.7	26		10-57		10	4	110	GRAV, PROD (M)	*ESTIMATED 1976
	1800	21.0				12-61		5	6	120		
	2660	23.0				12-61		6	5	120		
	2300	19.4				10-49		8	5	170		
	2400	21.2				10-49		4	2	120		
4354	1825	28.0	12.5	20		09-60		8	2	47	SH SD, PROD (M)	*ILL VALUES ARE 21 PER CENT OF TOTAL, REMAINDER IN POSEY CO INDIAN) +ESTIMATED 1976
	2530	35.0	19.0	100				1	2	47		
	2780	29.0	19.2	50				1	2	47		





Field, County	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity ("API)	Date first inj.	Date abd.	No. of wells Inj.	Acres under Inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
NEW HARMONY C, EDWARDS, WABASH, WHITE CONTINUED												
*3955	2340	7,0			36,0	03-57	01-60	1	2	20	PRODUCED (B)	
3056	2450	20,0				01-70		3	3	30		*AOJ TO EXISTING WF *EST
3933	2400	8,0	18,5	75	37,0	04-52		3	8	80	GRAV, PROD (M)	*INCL BOTM PAYS
	2520	8,5	17,0	57				5	11	170		
*3934	2620	12,0	17,2	57	36,0	10-50	01-74	20	26	60	GRAV, PROD (M)	*INJ SMUT DOWN 4-T2
*3956	2549	15,0			37,0	05-57	12-75	1	1	20	GRAV, PROD (M)	*INJ SMUT OFF 5-11-69
3959	2420	22,0	20,0	200		11-58		7	5	270	GRAV, PROD (M)	*ESTIMATED
3086	2500	11,0	16,5	115	37,0	06-64		2	6	100	PRODUCED (B)	*ESTIMATED
	2850	9,0						1	4	80		
3961	2424	12,0	19,3	268	38,0	03-59		6	8	100	SH 80, PROD (M)	*EST SINCE 1972; *INCL BOTM PAYS
	2540	20,0						5	7	100		
4218	2840	18,3	15,0	20	33,1	01-56		1	2	200	SH 50 (F)	*EST; NO DATA SINCE 1968
4294	2220	10,0				05-60		3	2	50	GRAVEL BEG (F)	*ESTIMATED + OPERATOR
	2580	11,0						7	5	120		REPORTS LITTLE OIL FROM CYPRESS
	700	9,0						4	3	70		AND BETHEL
	2840	18,0						9	9	180		
3066	1700	8,7	19,6	126	37,0	01-65		17	31	526	SH 50, PROD (M)	*INCL BOTM PAYS *EST
	2460	11,1	19,2	59	37,0			18	31	801		
3988	1945	12,0				08-68		1	5	60	PRODUCED (B)	*ESTIMATED
3965	1800	15,0				06-59		2	1	40	GRAVEL BEG (F)	*INCL ALL PAYS; *ESTIMATED 1976
	2115	29,0	20,1	171		12-50	09-64	5	3	80		
	2150	20,0	17,1	44		04-61		3	2	80		
	2535	9,0				11-52		10	9	240		
	2640	14,0	17,1	44		12-51		17	8	255		
	2640	14,0	17,1	44		12-51		17	9	260		
4305	2140	8,4	19,0		37,5	11-60		2	1	40	GRAVEL BEG (F)	*EST *INCL ALL PAYS
	2200	9,3	15,5					1	2	40		
	2580	13,3	16,0	32				4	2	80		
	2700	14,7	16,0					1	2	30		
	2820	15,5	15,0	20				5	5	100		
4329	2695	9,0	15,0	15	37,0	09-61		2	4	60	GRAV, PROD (M)	*ESTIMATED
	2830	20,0	14,0	23	37,0			2	3	105		
4416	2698	30,0	18,0	150		07-67		1	1	20	PENN 50, PROD (B)	
4226	2550	10,0				06-57		6	9	180	RIVER GRAVEL (F)	*ESTIMATED; *INCL ALL PAYS
	2660	10,0				11-52		3	4	80		
	2800	15,0				11-52		8	8	160		
3061	1718	12,0			35,9	01-68		1	3	40	PRODUCED (B)	*ESTIMATED
4227	2260	19,5	17,9	120	37,5	12-53		4	6	200	GRAV, PROD (M)	*ESTIMATED
4276	2550	14,0				06-59		3	4	80	SH 50, GRAV (F)	*ESTIMATED
	2680	16,0						1	3	50		
	2807	24,0						1	2	40		
*4275	2210	10,0	7,0	50		09-58	03-74	2	2	50	SH 50, PROD (M)	
	2575	6,5						4	4	80		
	2700	11,0						10	12	230		
	2810	18,0						10	11	210		
3974	1716	18,0				03-61		6	4	120	GRAV, PROD (M)	*ESTIMATED
	1761	16,0	18,0	61				1	1	20		
	2269	13,0						6	4	120		
3985	1710	8,0	15,0	75	32,0	03-61		3	2	70	SH 80, PROD (M)	*ESTIMATED
	2310	14,0	16,0	50				3	2	60		
*3967	2550	22,0	15,0	36	38,4	08-60	07-70	7	4	160	SH 50, PROD (M)	
4317	2578	19,0			36,0	04-61		1	1	20	SH 50, PROD (M)	*ESTIMATED
	2672	19,0						1	1	20		
	2845	18,0						2	2	40		
4393	2580	10,0			36,0	07-63		1	1	20	SH 50, PROD (M)	*ESTIMATED
	2680	13,0						1	2	40		
	2830	10,0						1	2	40		
4401	2330	8,0				04-64		3	5	90	SH 80 (F)	*ESTIMATED
4440	2125	20,0				01-68		4	4	40		*EST; *ACCIDENTAL OR OUMP FLOOD
	2200	12,0						4	2	20		
1009	2730	20,0				02-69		2	9	130	PENN 80 (M)	*ESTIMATED *INCL PRIM SINCE 2-69
3870	1937	16,0	16,0	200		02-65		5	2	200	SH 50, PROD (M)	*ESTIMATED
3893	1937	8,0	16,0	320		11-63		3	3	70	GRAV, PROD (M)	*ESTIMATED
	2248	8,0	18,8	83				4	4	80		
3995	2413	9,0				06-62		1	1	10	PRODUCED (B)	*ESTIMATED
3962	2303	14,0			35,0	10-59		5	5	50	PRODUCED (B)	
*3892	2320	12,0			33,9	10-63	05-70	5	6	180	SH 80, PROD (M)	*EST *1965-67 DATA ONLY
*4300	2598	18,0			35,6	01-61	01-72	5	4	150	SH 50, PROD (M)	
	2800	13,0				01-61	01-69	1	2	20		
	2910	10,0				01-61	01-69	1	2	60		
4392	2830	20,0	11,7	7	36,5	03-63		2	2	100	SH WELL (F)	*ESTIMATED 1976
3895	2075	16,0	20,0	140	36,8	04-63		2	2	60	PENN 50, PROD (B)	*ESTIMATED 1976
3931	2680	18,0	17,0	75	36,0	10-51		10	10	300	GRAV, PROD (M)	*ESTIMATED 1976
*3928	2600	17,0	16,0	35	35,0	08-56	02-69	35	32	524	SH 80, PROD (M)	
4216	2600	9,0	15,0	8	35,0	09-56		12	8	240	GRAVEL BEG (F)	*ESTIMATED; *INCL ALL PAYS
	2650	11,0						3	2	60		
	2800	14,3						9	11	200		
*4217	2900	9,4			34,5	09-56	12-59	4	7	120	GRAVEL BEG (F)	
4320	2200	15,0			36,0	11-59		3	2	50	GRAVEL BEG (F)	*ESTIMATED
	2580	11,5	17,0	30				13	13	280		
	2690	10,0	11,0	13				3	3	60		
	2710	15,0	11,0					3	2	60		
	2830	18,0	20,0					15	15	320		
*1016	2566	12,0				08-58	02-62	1	2	30	GRAV, PROD (M)	
*3957	2531	13,0	17,0	20	39,5	10-56	04-66	2	1	20	GRAV, PROD (M)	
*4222	2630	10,0	17,7	145		05-55	10-57	1	2	30	TAR SPR, PROD (B)	
*4267	2552	10,0				09-59	12-62	1	2	30	GRAV, PROD (M)	
*4288	2800	20,0				09-59	12-64	2	2	40	GRAV, PROD (M)	
3935	2500	25,0	21,0	200	39,0	10-55		2	4	120	PRODUCED (B)	
	2640	7,0	17,7			06-66		2	2	60		
	2860	4,0				06-64		1	2	60		
*3997	2770	10,0	19,0			06-62	12-76	7	12	100	PRODUCED (B)	*INJ. SUBP. 1972
3877	2555	14,0				02-74		1	12	220	PRODUCED (B)	*ESTIMATED
3960	3450	15,0	10,0		39,0	12-75		1	6	140	TAR SPR AND PROD. (B)	*ESTIMATED
3085	2480	14,0				08-70		3	5	80	PRODUCED, FRESH (M)	
	2640	18,0						2	1	40		

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)					
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Location S - T - R	Water injection		Oil production		Water production	
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
NEW HARMONY C, EDWARDS, WABASH, WHITE CONTINUED										
	3885	STONE OIL CO		AUX VASES MCCLOSKEY						
*4223	SUN OIL CO.	GREATHOUSE		MCCLOSKEY	33-4S-14W, 4-5S-14W	1088		129		227
*4269	SUN OIL CO.	FORD 'A' WATERFLOOD		MCCLOSKEY	18-5S-14W	58		13		1
*4235	SUPERIOR OIL CO.	KERN-MON UNIT		TAR SPRINGS	32,33-4S-14W	1986		536		891
*4236	SUPERIOR OIL CO.	NEW HARMONY FIELD U		AUX VASES	21,27,28,29,32,33,34- 4S-14W,3,4,5-5S-14W	16673	*	*		*
*4237	SUPERIOR OIL CO.	NEW HARMONY FIELD U		BETHEL	26,27,28,29,32,33,34- 4S-14W,3,4,5-5S-14W	32327	*	*		*
4238	SUPERIOR OIL CO.	WALTERSBURG SAND UNIT		WALTERSBURG	4,5,9-5S-14W	450*	19280*	1620*		2658*
4302	SUPERIOR OIL CO.	N,M,R. UNIT		TAR SPRINGS	9-5S-14W	5	303	3,4		47
4311	SUPERIOR OIL CO.	NORTHEAST UNIT		TAR SPRINGS	14,22,23,26,27,34-4S- CYPRESS 14W	662	8702	230,1*	2315*	1228*
				BETHEL			267			
				AUX VASES		45	1607			
				MCCLOSKEY		836	5605			
4390	SUPERIOR OIL CO.	NEW HARMONY FIELD U		JAMESTOWN	27,28,29,32,33,34-4S- CYPRESS 14W/3,4,5-5S-14W	136	664	361,1*	15066*	4700*
4391	SUPERIOR OIL CO.	NEW HARMONY FIELD U		WALTERSBURG	27,28,29,32,33,34-4S- TAR SPRINGS 14W/3,4,5-5S-14W	3679	45303	*	*	*
3948	A. K. SWANN	HEIL		CYPRESS	7,18-3S-13W	113	2923	10,7	692	55
*4333	TEXACO, INC.	BRAMLETT		TAR SPRINGS	17-4S-14W		163	*	*	*
*4334	TEXACO, INC.	BRAMLETT		CYPRESS	17-4S-14W		443	*	*	*
*4371	TEXAS AMERICAN	FORD		AUX VASES	21-4S-14W		229		131	44
3910	UNIVERSAL OPRING	PARHENTER		CYPRESS	5-2S-13W	15*	254*	2,2*	25*	15*
3986	UNIVERSAL OPRING	BUMP		BETHEL			267			
				CYPRESS	5-2S-13W	150*	2070*	17,4*	278*	150*
				BETHEL			267			
4341	WEST DRILLING CO	D. EVANS		MCCLOSKEY	4-4S-14W	48*	1345*	2,1*	149*	48*
*1028	GEORGE WICKHAM	SCHROEDER		WALTERSBURG	26,27-2S-14W		2*		3*	8*
*3981	CHARLES P. WOOD	G A STURMAN		CYPRESS	10-1S-13W		398		76	119
NEW HAVEN C, WHITE										
*4247	ATLANTIC RICHFLO	NEW HAVEN U		TAR SPRINGS	17-7S-11E	1844		696		73
				CYPRESS						
*4351	FRMERS PETR COOP	WASEM		TAR SPRINGS	24-7S-10E		590*		22	155
*4388	FRMERS PETR COOP	OEAD RIVER UNIT		TAR SPRINGS	13,18-7S-10E		828		452	336
4289	JUNIPER PETROLEUM C	GREATHOUSE ISLAND U		TAR SPRINGS	7-7S-11E, 7-7S-14W	28*	519*	1,6*	48*	15*
				CYPRESS						145*
4278	SUN OIL CO.	G.N. BOETTICHER		CYPRESS	19-7S-11E	47	179	15,8	147	44
NEW MEMPHIS, CLINTON										
417	ELMER DELZE	NEW MEMPHIS SEC.REC.		DEV-SIL	34,35-1N-5W/3,4-1S-5W	715*	6735*	41,8*	324*	715*
OAKDALE, JEFFERSON										
*2029	FAIRWAY PETROLEUM	HORRELL-NOVAK		AUX VASES	11,14,15-2S-4E		1295*		85*	1295*
*2014	TEXACO, INC.	GREEN-VANDERHEID		AUX VASES	12-2S-4E		554		17	247
OAKDALE N, JEFFERSON										
2018	FRMERS PETR COOP	NORTH OAKDALE UNIT		MCCLOSKEY	3-2S-4E	76	1268	3,5	332	79
OAK POINT, CLARK, JASPER										
* 223	M AND E ORLG. CO	B. FINNEY		AUX VASES	31-9N-14W		73		7	51
* 225	M AND E ORLG. CO	FINNEY-PING-WARD		AUX VASES	31-9N-14W	75*	3952*	3,9*	198*	75*
ODIN, MARION										
2600	ODAN OIL PROP.	ODIN UNIT		CYPRESS	1,12,13-2N-1E/6,7, 18-2N-2E	46	8080*	0,8	1322*	50
OLD RIPLEY, BONO										
6	SAM PARKER	RIPLEY U		PENN	21,28-5N-4W	10*	1218*	2,4*	94*	10*
OLNEY C, JASPER, RICHLAND										
*3426	BELL BROTHERS	DUNOAS SOUTH UNIT		SPAR MTN	3,10-4N-10E		4020		226	3090
*3435	O T DRILLING	NORTH OLNEY U		SPAR MTN	28,32-4N-10E		330*		31*	81*
*3407	GULF OIL CO	EAST DUNOAS UNIT		MCCLOSKEY	25,26,35,34-5N-10E		953		152	207
*1903	ILL. LSE. OP.	BESSIE		MCCLOSKEY	23-5N-10E		251*		44*	225*
*3414	J. W. RUDY ORLG.	STIFF		MCCLOSKEY	34-5N-10E		159		33	54
*1904	SOHIO PETROLEUM	DUNOAS EAST UNIT		OMARA	14-5N-10E		2003		142	1375
*3408	TEXACO, INC.	EAST OLNEY		MCCLOSKEY	23,24,25,26-4N-10E		3834		269	1256
3420	TEXACO, INC.	OLNEY WATER FLOOD		MCCLOSKEY	27-4N-10E	114	4824	4,1	630	114
*1914	TRI-STATE CASING	MILLER-EUNICE		MCCLOSKEY	23-5N-10E		1359		57	908
OLNEY S, RICHLAND										
*3422	M V RING	KURTZ-MARTZ		MCCLOSKEY	28-3N-10E		32			
OMAHA, GALLATIN										
1447	AMERICAN PUMP	OMAHA S PALESTINE U		PALESTINE	32-7S-8E	113	486	7,8	48	23
1448	AMERICAN PUMP	OMAHA B UNIT		HARDINSBURG	31,32-7S-8E/5,6-8S-8E	245	1965	14,0	89	80
				CYPRESS						
				DHARA						
1443	EXXON	OMAHA		SPAR MTN		539	9278	70,5	641	648
				PALESTINE	33-7S-8E/4-8S-8E					5089
				TAR SPRINGS						
				AUX VASES						
1437	T. W. GEORGE EST.	OMAHA S UNIT		AUX VASES	34-7S-8E/3,4-8S-8E	154	3145	11,5	700	68
*1414	HUMBLE O AND R	OMAHA		PALESTINE	33-7S-8E, 4-8S-8E		5763		3119	4436
1439	JUNIPER PETROLEUM C	CANE CREEK U		AUX VASES	4-8S-8E	86	1060	2,1	57	42
*1434	NAPCO	PHILLIPS FLOOD		SPAR MTN	32-7S-8E		40		7	2
OMAHA S, GALLATIN, SALINE										
*1432	DAVID ROTSTEIN	WOOLARD		CYPRESS	7-5S-8E		164			

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
<b>NEW HARMONY C, EDWARDS, WABASH, WHITE</b>												
<b>CONTINUED</b>												
3885	2750	22.0						1	3	40		
	2830	10.0						2	1	60		
*4223	2900	5.0			36.9	08-47	02-57	1	2	90	GRAVEL BED (F)	
*4269	2900	7.0			38.0	05-48	07-52	1	1	40	GRAVEL BED (F)	
*4235	2250	13.3	17.3	85	37.8	02-54	01-70	1	1	121	GRAVEL BED (F)	
*4236	2830	8.9	17.9	48	37.0	11-56	01-70	33	32	660	RIVER GRAV, PROD (M)	*INCL WITH 4390
*4237	2710	12.4	15.4	32	37.0	11-56	01-70	33	48	1000	RIVER GRAV, PROD (M)	*INCL WITH 4390
4238	2206	43.0	19.2	475	38.0	10-53		1*		333	GRAV, PROD (M)	*ILLINOIS PORTION OF PROJ
4302	2207	10.0	18.0	46	37.0	02-66		1	1	80	GRAVEL BED (F)	
4311	2193	8.0	16.0	40	36.0	02-66	05-70	2	13	160	GRAV, PROD (M)	*FROM CYPRESS, A.V., MCCLOSKEY
	2600	12.0	18.0	100				7	16	240		*INCL ALL PAYS
	2741	10.0	16.0	37			06-68	1*	5	70		
	2850	19.0	15.0	12	36.0	12-66		10	12	230		
	2886	7.0	14.0	295		10-66		2	7	100		
4390	707	9.0	20.1	159	33.0	07-70		3	3	60	RIVER GRAV, PROD (M)	*INCL 4236, 4237, 4391
	2550	10.0	17.0	37	37.0	08-64		106	109	3138		
4391	2120	10.0	18.0	47	37.0	08-64		15	30	400	RIVER, PROD (M)	*INCL WITH 4390
	2210	8.0	17.0	40	37.0	08-65		12	15	220		
3944	2450	15.0				11-55		6	11	140	GRAVEL BED (F)	
*4333	2296	16.0			38.3	11-61	01-68	2	4	80	SH SD, PROD (M)	*INCL WITH 4335
*4334	2670	25.0			38.3	11-61	12-68	2	3	80	SH SD, PROD (M)	*INCL WITH 4335
*4371	2830	25.0				02-63	12-67	1	2	30	GRAV, PROD (M)	
3910	2410	13.0			36.9	04-67		1	1	20	PRODUCED (B)	*ESTIMATED
	2530	7.0						1	1	20		
3986	2400	15.0				01-62		1	4	70	PRODUCED (B)	*ESTIMATED
	2540	10.0						1	4	60		
4341	3000	5.0				10-49		1	4	50	GRAVEL BED (F)	*ESTIMATED
*1028	3150	12.0				06-64	06-73	3	6	80	SH SD, PROD (M)	*ESTIMATED SINCE 1967
	2640	12.0						2	4	60		
*3981	1780	10.0	16.3	25	33.0	03-61	08-68	1	1	20	PURCH, PROD (B)	
	2235	12.0						2	1	30		
<b>NEW HAVEN C, WHITE</b>												
*4247	2090	7.0	17.5	50	39.0	07-54	05-68	2	4	175	SH SD (F)	
	2435	10.0						10	10	325		
*4351	2135	10.0	18.0	350	37.0	07-62	01-74	1	3	90	GRAVEL BED (F)	*OPERATION SUSPENDED 1970
*4388	2200	6.0	19.0	98	38.0	09-64	12-74	3	7	78	GRAVEL BED (F)	
4289	2148	24.0	18.0	48	37.0	01-66		3	2	60	RIVER GRAV (F)	*ILL. PORTION OF THE PROJ. IS 13.9% OF IND-ILL TOTAL
	2476	10.0	14.8	17				2	1	30		
4274	2435	12.0	15.0	45	36.0	08-59		1	4	40	SH SD (F)	
<b>NEW MEMPHIS, CLINTON</b>												
417	1960	99.0				06-68		3	23	580	SALEM, PROD (B)	*ESTIMATED
<b>OAKDALE, JEFFERSON</b>												
*2029	2900	20.0				01-64	01-74				PRODUCED (B)	*ESTIMATED PROD EST 40% PRIM, 1964
*2014	2870	15.0	20.2	120	36.5	08-61	12-64	3	2	100	PENN SD, PROD (B)	
<b>OAKDALE N, JEFFERSON</b>												
2018	2931	10.0				06-64		4	7	290	POND, PROD (M)	
<b>OAK POINT, CLARK, JASPER</b>												
*223	1180	20.0			36.6	10-58	12-60	2	6	80	PENN SD (B)	
225	1190	12.0	13.1	40	36.6	04-67		20	12	220	GRAVEL BED (F)	*ESTIMATED
<b>ODIN, MARION</b>												
2600	1700	15.0	20.0	78	38.0	10-49		14	22	230	TAR SPR, PROD (B)	*SUSP. 10-62 TO 12-75/1976 ONLY
<b>OLD RIPLEY, BOND</b>												
6	600	20.0			36.0	09-57		10	11	110	SH SD, PROD (M)	*EST. SINCE 1962/ SWO ONLY
<b>OLNEY C, JASPER, RICHLAND</b>												
*3426	2991	4.7	15.4	281	40.0	09-63	01-73	10	7	740	PENN SD (B)	
*3435	2950	6.0				09-66	12-72	3	4	210	SH SD, CREEK (F)	*ESTIMATED SINCE 1967
*3407	2985	6.0	12.5		41.4	10-56	09-62	5	4	220	PENN SAND (B)	
*1903	2925	5.0	12.0			01-61	10-72	1	1	80	PRODUCED (B)	*INACTIVE 1970-1972
*3414	2935	7.0			40.0	04-66	01-72	2	2	90	CYPRESS, PROD (B)	
*1904	2900	8.0			35.0	04-55	05-61	4	7	120	CYPRESS (B)	
*3408	3100	5.3	13.8	522	37.0	03-51	04-71	6	16	458	PRODUCED (B)	
3420	3000	13.0	13.8	500	37.0	11-46		1	2	280	PRODUCED (B)	
*1914	2940	14.0	16.8	775	40.0	05-54	12-66	1	1	40	PRODUCED (B)	
<b>OLNEY S, RICHLAND</b>												
*3422	3150	6.0				06-61	01-62	1	4	50	CYPRESS (B)	
<b>OMAHA, GALLATIN</b>												
1447	1725	9.5	17.0	50	27.1	12-71		3	6	133	PRODUCED (B)	
1448	2175	12.0	14.0	10	35.0	03-71		3	2	60	SH SAND (F)	
	2375	5.0	15.0	50	36.0			1	1	20		
	2725	4.0	13.0	60	37.5			4	16	240		
	2780	4.0	13.0	20	37.5			1	2	50		
1443	1700	17.0	14.9	427	31.0	02-69		4	19	425	PRODUCED (B)	
	1950	20.0	16.4	20				3	3	100		
	2650	10.0	9.2	5				1	2	30		
1437	2710	12.0	12.0		41.5	10-65		6	9	253	PENN SD (B)	
*1414	1700	17.0	14.9	427	28.0	10-44	02-69	1	16	280	PRODUCED (B)	
1439	2678	30.0			37.6	11-65		2	7	100	SH SD, PROD (M)	
*1434	2760	20.0			37.0	05-65	11-66	1	3	40	CREEK, PROD (M)	
<b>OMAHA S, GALLATIN, SALINE</b>												
*1432	2541	19.0	12.9	24	27.0	10-60	12-63	1	1	20	TAR SPRINGS (B)	

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
OMAHA W, SALINE	3623	ILL. MID-CONT.	OMAHA WEST	SAMPLE	36-TS-7E/11-88-7E/6-88-8E	1983*	1703*	12.7*	136*	280*	1778*
ORCHAROVILLE, WAYNE	4093	OUNCAN LSE+ROY	ORCHAROVILLE	AUX VASES	29-1N-5E	24	371	5.1	106		
ORIENT, FRANKLIN	1335	V. R. GALLAGHER	ORIENT	AUX VASES	9-7S-2E	55*	378*	7.9*	191*	20*	116*
OSKALOOSA, CLAY	342	IVAN R. JONES	OSKALOOSA UNIT	AUX VASES	26,27,34,35-4N-5E	45*	2065*	2.6*	133*	45*	707*
+ 307	TEXACO, INC.		OSKALOOSA UNIT	MCCLOSKEY BENOIST	26,27,34,35-4N-5E		158		1219		3393
PARKERSBURG C, EDWARDS, RICHLAND	+3432	ACHE CASING	RIOGLEY	MCCLOSKEY	30-2N-14W		82		7		44
+3415	REVIS O. CALVER7		PARKERSBURG	MCCLOSKEY	16,21-2N-14W		107		26*		43
+3424	CONTINENTAL OIL		KOERTGE 'B'	BETHEL	30-2N-14W		179		6		25
+3409	HARATHON OIL CO.		PARKERSBURG U	MCCLOSKEY	8-3N-9E		5134*		159*		1959*
+1017	V. T. ORLG. CO.		PARKERSBURG U	CYPRESS	6-1N-14W, 31-2N-14W		911*		145*		470*
PASSPORT, CLAY	354	R & R OIL CO	PASSPORT UNIT	MCCLOSKEY	2-4N-8E, 35-5N-8E	19**	1693**	1.0*	209*	19*	45*
308	SHAKESPEARE OIL		87ANLEY-HINTERSMER	MCCLOSKEY	12-4N-8E	17	665	3.3	68*	21	385
327	SHAKESPEARE OIL		PASSPORT U	MCCLOSKEY	11,12,14-4N-8E	12	11541	2.2	583	11	7324
PASSPORT S, CLAY, RICHLAND	+3417	CONTINENTAL OIL	PASSPORT SOUTH UNIT	CYPRESS	18-4N-9E		406		43		76
PATOKA, MARION, CLINTON	2639	FEAR AND OUNCAN	NW PATOKA	BENOIST	19,20-4N-1E	200*	5040*	11.7*	253**	200*	5040*
+2601	KARCHHER PIPE		PATOKA BENOIST	BENOIST	20,21,28,29-4N-1E		64093		6542		49402
2602	KARCHHER PIPE		PATOKA ROSICLARE	SPAR MTN	21,28,29-4N-1E	100*	5967*	5.2*	1588*	100*	6162*
+2603	KARCHHER PIPE		STEIN UNIT	CYPRESS	28-4N-1E		220		63		228
2614	KEWANEE OIL CO.		W. PATOKA TRENTON U	TRENTON	1-3N-1W 6-3N-1E, 31,32-4N-1E	198	8944	7.4	570	198	8944
PATOKA E, MARION	2638	HIGHLAND OIL CO	THALMAN	CYPRESS	35-4N-1E	*	*	14.5*	214*		
+2629	MOBIL OIL CORP.		F M PEDDICORO	CYPRESS	34-4N-1E		138		7		9
2631	SMELL OIL CO.		EAST PATOKA UNIT	CYPRESS BENOIST	34-4N-1E	850	10263	24.9	549	581	7214
PATOKA B, MARION	2640	E. M. BELF	OELAY & BOPP	CYPRESS	9-3N-1E	*	*	2.7*	102**		375*
2627	JOE SIMPKINS OIL		PATOKA SOUTH	CYPRESS	4,5,8,9-3N-1E	260*	11770*	13.2*	940*	260*	6128*
2619	TRI STAR PROD CO		BENOIST-SANOSTONE U	BENOIST	5-3N-1E	220*	1544*	28.9*	395*	220*	1478*
PHILLIPSTOWN C, EDWARDS, WHITE	4395	ABSMER OIL CO	GARFIELD-PARSON	AUX VASES	7-4S-14W	125*	2143*	10.1*	301*	50*	1165*
4323	N. A. BALORIOGE		MICHAELS-GREEN-S7URH	CYPRESS	30-3S-14W	10*	325*	0.3*	13*	10*	256*
4257	BARGER ENG		PHILLIPSTOWN U	BETHEL AUX VASES	6-5S-11E	168	1920	4.3	174	102	1844
4414	BARGER ENG		CLEVELAND	DEGONIA TAR SPRINGS	36-4S-10E, 1-5S-10E, 31-4S-11E	274	2973	7.3	410	33	3640
4432	BARGER ENG		PHILLIPSTOWN	PENN TAR SPRINGS	31-4S-11E/36-4S-10E	718	1862	144.9*	333*	940	1721
4249	C. E. BREHM		PHILLIPSTOWN UNIT	AUX VASES PENN CYPRESS	19,30-4S-14W, 30-4S-11E	20	1049	1.9	190		
+4251	BRITISH-AMERICAN		N CALVIN UNIT	PENN	31-3S-14W		3686		1215		2777
4349	R. G. CANTRELL		PHILLIPSTOWN U	DEGONIA TAR SPRINGS	1-5S-10E, 6-5S-11E	147*	2268*	8.1*	516*	147*	927*
+4344	COY OIL CO		GREEN	BETHEL	30-3S-11E	1	61	0.2	11		B
+4319	OUNCAN LSE+ROY		HEYCALF	BETHEL	31-3S-14W		650		30		
4298	EASON OIL CO.		CLARK WATERFLOOD	CLARK DEGONIA BETHEL	30-4S-11E	149	3914*	13.2**	610**	157**	1824**
4417	FAIRFIELD OIL CO		CECIL & GILLISON	AUX VASES BETHEL	31-3S-14W	25*	103*	1.6*	57*	25*	88*
1029	FEAR AND OUNCAN		JOHNSON COOP	MCCLOSKEY	18-3S-11E	124*	1443*	7.0*	82*	124*	511*
4243	FISK & FISK		RAWLINSON 7	DEGONIA CLORE CYPRESS BETHEL	29-3S-14W	130*	839*	7.3*	109*	130*	763*
4245	FISK & FISK		RAWLINSON	AUX VASES MCCLOSKEY	29-3S-14W	10*	193*	1.7*	22*	10*	93*
4343	FISK & FISK		8EIFRIED WF	CYPRESS BETHEL	30-3S-11E	100*	1678*	7.6*	88*	100*	765*
+4373	V. R. GALLAGHER		CLEVELAND TAR SPRGS U	TAR SPRINGS	25-4S-10E		376		185*		146
4387	V. R. GALLAGHER		KUYKENDALL	CLARK-BROGPT BUCHANAN DEGONIA	25-4S-10E	680*	3104*	23.6*	280*	140*	906*
4224	GETTY OIL CO		N PHILLIPSTOWN	PENN DEGONIA CLORE	18,19-4S-11E	631	4717	46.7	414	310	2488
+4370	GETTY OIL CO		OENNIS "B" DEEP	BETHEL AUX VASES MCCLOSKEY	18-4S-11E		127		1		14
+4277	KIRBY PETROLEUM		W.P.B.S. UNIT	BETHEL	26,35-4S-10E		1791		160		949
4284	W. C. HCBRIDE		ARNOLD	PENN WALTERSBURG AUX VASES CYPRESS	6-4S-14W	399	3133	59.0	894	359	1861
+4250	MOBIL OIL CORP.		GRAYVILLE U	AUX VASES CYPRESS	20,29-3S-14W		787		144		552

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
OMAHA W, SALINE 3623	2700	10.0				06-68		1	7	100	PRODUCED (B)	*ESTIMATED
ORCHARDVILLE, WAYNE 4093	2835	10.0				08-65		1	3	40	SH SD, PROD (M)	
ORIENT, FRANKLIN 1335	2670	15.0	18.9	75	38.9	10-66		1	3	40	TAR SPRINGS, PROD (B)	*ESTIMATED 1976
OSKALOOSA, CLAY 342	2641	10.0	13.0		37.0	12-63		3	3	100	PENN SD, PROD (B)	*ESTIMATED
	2742	11.0			37.0			1	1	100		
* 307	2600	14.2	15.6	54	37.0	01-53	10-68	9	4	396	PENN SD, PROD (B)	
PARKERSBURG C, EDWARDS, RICHLAND *3432	3190	8.0				04-65	02-69	1	3	80	PRODUCED (B)	
*3415	3060	10.0				01-55	01-56	2	7	160	PRODUCED (B)	*INCL PRIM PROD 1-55 TO 1-56
*3424	2960	15.0				09-59	07-64	1	1	20	PRODUCED (B)	
*3409	3130	8.0	18.0	800		03-55	12-64	5	5	200	CYPRESS, PROD (B)	*INCL 3416
*1017	2770	14.8	16.8	120	37.2	02-59	12-68	3	8	256	PENN SD, PROD (B)	*ESTIMATED 1965-68
PASSPORT, CLAY 354	3025	10.0	15.0	35	38.0	06-65		3	2	260	PENN SD, PROD (B)	*ESTIMATED +SMD ONLY
308	3000	9.0			37.0	09-57		1	2	40	PRODUCED (B)	*INCL PRIM PROD SINCE 9-57
327	3000	10.0	16.9	911	38.2	07-58		4	5	305	CYPRESS, PROD (B)	
PASSPORT S, CLAY, RICHLAND *3417	2700	8.0	15.0	60		07-59	06-64	2	2	100	PENN SD, PROD (B)	
PATOKA, MARION, CLINTON 2639	1445	10.0				01-66		2	13	160	PRODUCED (B)	*EST +INCL PRIM PROD
*2601	1410	27.0	19.0	110	39.0	09-43	12-70	49	49	527	PRODUCED (B)	
2602	1550	9.0	18.8	223	40.0	07-48		21	12	445	PRODUCED (B)	*ESTIMATED
*2603	1280	10.0	21.0	32	39.0	08-51	12-70	6	2	61	PRODUCED (B)	
2614	3930	17.0	8.0	3	43.0	06-61		11	14	520	PENN SD, PROD (B)	
PATOKA E, MARION 2638	1340	15.0				06-65		1*	10	100		*ADJACENT TO ACTIVE W,F,J +EST
*2629	1370	19.0	19.2	62	38.6	06-66	01-68	2	1	30	TAR SPR, PROD (B)	
2631	1350	18.0	20.0	139	36.0	06-65		7	14	150	TAR SPR, PROD (B)	
	1465	11.0	18.0	120				2	4	60		
PATOKA S, MARION 2640	1350	7.0				10-64		*	4	80		*ADJ,ACT,WF +EST #INC PRIM 64-77
2627	1360	15.1				08-64		29	29	580	TAR SPR, PROD (B)	*ESTIMATED
2619	1456	14.0			36.5	02-64		6	13	200	TAR SPR, PROD (B)	*ESTIMATED
PHILLIPSTOWN C, EDWARDS, WHITE 4395	2885	15.0			38.5	04-61		1	3	222	PENN SD, PROD (B)	*ESTIMATED
4373	2700	10.0				06-68		1	2	30	PENN SD (B)	*ESTIMATED
	2825	6.0						1	2	30		
	2920	10.0						1	3	40		
4257	1928	16.0			36.0	12-69		2	3	40	PRODUCED (B)	
	2300	7.0				02-56		2	5	80		
4414	1935	15.0				11-67		4	4	90	PRODUCED (B)	
	2385	7.0				05-65		2	4	380		
4437	1350	20.0	20.0	200	36.0	11-73		5	20	150	RIVER GRAVEL (F)	*ESTIMATED 1976
	2300	20.0	18.0	20								
	2850	10.0										
4249	1950	10.0	13.0	36	36.0	06-65		3	5	90	PENN SD, PROD (B)	
	2730	10.0						2	4	60		
*4251	1550	29.0	17.6	86	32.0	06-51	11-63	9	9	180	TAR SPR, PROD (B)	*ESTIMATED
4349	1970	10.0	18.3	35	37.7	09-62		6	10	200	RIVER, PROD (M)	
	2300	8.0	15.0	29	35.7			2	3	70		
*4344	2820	10.0	13.0	8	36.0	11-62	01-67	1	2	30	GRAV, PROD (M)	
*4319	1824	12.0			32.8	12-64	06-71	2	4	40	TAR SPR, PROD (B)	
4296	1350	15.0	22.2*	275		04-70		8	8	80	SH SD, PROD (M)	*CLARK, NEG +BETHEL, AUX VASES
	1950	40.0	16.5	21		01-66		8	8	80		**ALL PAYS
	2810	14.0				06-60	12-65	4	7	110		
	2920	10.0				09-60	12-65	4	7	100		
4417	1830	20.0			34.0	06-72		1	6	40	PRODUCED	*EST;ADJ TO ACTIVE WF SINCE 1964
1029	3116	5.0	12.0	100	37.0	05-64		2	1	35	PENN SD, PROD (B)	*ESTIMATED
4243	1997	3.0				01-66		1	1	80	PRODUCED (B)	*ESTIMATED
	2050	6.0						1	1	50		
	2700	14.0						1	5	60		
	2803	8.0						2	3	80		
	2910	11.0						1	3	50		
	3000	12.0						1	2	60		
4245	2700	10.0				07-67		1	3	30	PURCHASED (M)	*ESTIMATED
4343	1842	14.0	16.2	88	32.0	06-62		2	2	50	PENN SD, PROD (B)	*ESTIMATED
	2820	11.0	14.2	10				3	4	150		
*4373	2310	9.0	18.3	68	33.9	10-63	10-72	3	2	150	PENN SD, PROD (B)	*INCL PRIM PROD SINCE 10-63
4367	1300	15.0				01-71		1	1	20	PENN SD, PROD (B)	*ESTIMATED 1976
	1490	15.0				07-64		2	2	40		
	1970	16.0				01-67		1	2	40		
4224	1400	10.0				01-70		2	14	40	PENN SAND, PROD (B)	
	1990	16.0				12-67		7	14	191		
	2035	6.0				12-67		3	4	80		
*4370	2845	15.0			34.0	05-71	07-72	2	2	37	PENN SD, PROD (B)	
	2930	25.0						2	2	37		
	3040	23.0						2	2	37		
*4277	2840	11.0	15.5	150	38.0	06-56	12-63	9	12	270	PENN SD, PROD (B)	
4284	1500	25.0	16.5	168		11-67		2	3	70	PENN SAND, PROD (B)	
	2290	5.0						2	1	30		
	2900	10.0	18.0	100				2	3	70		
*4250	2850	27.4	18.4	64		08-54	07-69	2	4	60	PRODUCED (B)	

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
					Water injection		Oil production		Water production		
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
PHILLIPSTOWN C, EDWARDS, WHITE											
CONTINUED											
*4252	MOBIL OIL CORP.	N CALVIN	BIEHL	30,31-3S-11E		1156		426*		499	
*4369	E. H. MORRIS EST	MORRIS A, B	CYPRESS	19,30-3S-11E		109*		8*			
4342	ELMER H NOVAK	N CALVIN BIEHL U	BIEHL	31-3S-14W	75*	803*	7.1*	44*	25*	671*	
4421	LOUIS PESSINA	PHILLIPSTOWN FLOOD	BIEHL	19,30-3S-14W	340	2892	15.3	392	148	1739	
4215	PHILLIPS PET. CO	KERN U	TAR SPRINGS	35,36-4S-10E, AUX VASES 1,2-5S-10E	14	1368	5.6	125	8	120	
*4254	PHILLIPS PET. CO	LAURA	BETHEL	19-4S-11E		197		16		51	
4255	PHILLIPS PET. CO	PHILLIPSTOWN UNIT	PENN	30-4S-11E/31-4S-14W	13	2087	16.9	347	2	518	
			BETHEL								
			AUX VASES								
*4232	SKILES OIL CORP.	L.O. CLEVELAND	TAR SPRINGS	36-4S-10E		48					
4225	SUN OIL CO.	CARR-RENSMAW	CLORE	18-4S-14W	*	*	28.4	214	49	227	
			AUX VASES								
			MCCLOSKEY								
*4256	SUN OIL CO.	PHILLIPSTOWN U	CLORE	6-5S-11E		234				58	
*4270	SUN OIL CO.	PHILLIPSTOWN	TAR SPRINGS	6-5S-11E		58		110		251	
*4315	TEXACO, INC.	PHILLIPSTOWN COOP	BETHEL	18-4S-14W		909		17		139	
			AUX VASES								
			MCCLOSKEY								
*4253	WEST DRILLING CO	FLORA UNIT	DEGONIA	24-4S-10E		1471*		129*		1009*	
4306	WEST DRILLING CO	LAURA JOHNSON	DEGONIA	19-4S-11E	60*	246*	5.8*	63*	115*	560*	
			AUX VASES		30*	170*					
			OHARA		35*	175*					
PHILLIPSTOWN S, WHITE											
4357	REBSTOCK OIL CO.	GIVEN-BROWN	TAR SPRINGS	11-5S-10E	10*	590*	0.3*	144*	10*	179*	
RACCOON LAKE, MARION											
*2617	TEXACO, INC.	ROSCICLARE-MCCLOSKEY U	SPAR HTN	3-1N-1E		1844		187*		1909*	
			MCCLOSKEY								
2626	TEXACO, INC.	RACCOON LAKE UNIT	CYPRESS	3-1N-1E	157	3204	7.9	70	425	4348	
			RENOIST			509					
RALEIGH S, SALINE											
*3615	WALTER OUNCAN	SPURLOCK	CYPRESS	2-8S-6E		167*		53*		82*	
3617	FARRAR OIL CO.	RALEIGH UNIT	CYPRESS	35-7S-6E, 2-8S-6E	85*	4906*	4.9*	943*	65*	590*	
*3605	KEWANEE OIL CO.	RALEIGH U	AUX VASES	10,15,16-8S-6E		1874		282		964	
RALEIGH S, SALINE											
3627	BUFAY OIL CO	HARRISBURG NORTH U	WALTERSBURG	27-8S-6E	56**	112**	2.4	4	20*	30*	
3618	HERMAN GRAHAM	S, RALEIGH U	AUX VASES	20-8S-6E	150*	2461*	9.9*	215*	170*	1729*	
*3604	ILL. MIO-CONT.	RALEIGH UNIT	AUX VASES	20-8S-6E		1246*		64*		800*	
3616	RK PET. CORP.	LEITCH ETAL	AUX VASES	20,21,2B,29-8S-6E	20	1244	1.6	113	20	228	
RAYMOND E, MONTGOMERY											
*2900	DARE PETROLEUM	FOSTER-POGGENPOML	PENN	15,22-10N-4W		38*		6*		15*	
RICHVIEW, WASHINGTON											
4016	NICK BABARE	CANTRELL-MARTOCCIO	CYPRESS	2-2S-1W	30*	344*	2.3*	42*	30*	309*	
4015	N. A. BALORIOGE	RICHVIEW	CYPRESS	2-2S-1W	200*	2533*	53.1*	474*	200*	2303*	
4012	C. T. EVANS	RICHVIEW UNIT	CYPRESS	2-2S-1W	664	6532	10.3	428*	244	2257	
4017	E. H. SELF	SKIBINSKI	CYPRESS	10-2S-14W	50*	388*	2.7*	45*	50*	303*	
4014	GEORGE THOMPSON	THOMPSON	CYPRESS	35-1S-1W/2-2S-1W	100*	5050*	11.3*	315*	100*	2865*	
RITTER N, RICHLAND											
*3430	ZANETIS OIL PROP	SE OLNEY U	SPAR HTN	18-3N-1E		92		5		54	
ROACHES N, JEFFERSON											
*2009	TEXACO, INC.	ROACHES NORTH UNIT		5,8-2S-1E		2590		30		2081	
ROCHESTER, WABASH											
3970	ASHLAND O AND R	NORTH ROCHESTER U	PENN	11,14-2S-13W	143	3736	3.5	451	106	1702	
3972	ASHLAND O AND R	ROCHESTER COOP	PENN	14-2S-13W	428	7671	3.6	281	125	1684	
3968	YINGLING OIL, INC	KENNARO	PENN	14-2S-13W	*	11592*	*	783*	*	4585*	
			WALTERSBURG								
ROLANO C, GALLATIN, WHITE											
4314	ABSMER OIL CO	NORRIS CITY	HARDINSBURG	11,14-6S-8E	4*	604*	0.2*	64*	4*	201*	
4435	N. A. BALORIOGE	PORTER	WALTERSBURG	12-7S-8E	5*	515*	0.2*	38*	5*	515*	
			CYPRESS								
			AUX VASES								
4413	WM. BECKER	CROZIER-SILLIMAN	HARDINSBURG	36-5S-8E	18*	730*	2.4*	47*	18*	730*	
4324	ENERGY RESOURCES	N ROLANO U	AUX VASES	35-6S-8E/2-7S-8E	15*	149*	1.3*	8*	15*	134*	
4350	ENERGY RESOURCES	S ROLANO U	CYPRESS	10,11-7S-8E	115*	906*	7.0*	63*	115*	622*	
			AUX VASES								
*1418	EXXON	S. ROLANO	AUX VASES	16,21,27-7S-8E		1583*		198*		896*	
4258	EXXON	S.W. ROLANO	WALTERSBURG	14,15,16-7S-8E	1356	35196	51.6	2699	524	11230	
			AUX VASES								
4266	EXXON	ROLANO AREA U I	CYPRESS	2,11-7S-8E	490	8863	43.0	1433	728	6966	
			BETHEL								
			AUX VASES								
4436	FARRAR OIL CO.	HARTIN	AUX VASES	13-7S-8E	90*	570*	10.2*	45*	90*	570*	
4396	FEAR AND OUNCAN	HOBLEY-GREER	TAR SPRINGS	25-6S-8E	68*	419*	3.8*	62*	68*	346*	
*4361	F. J. FLEMING	DOERNER UNIT WF	WALTERSBURG	12,13-7S-8E		1458		80		888*	
*4262	T. W. GEORGE EST.	PANKEY=MOOREHEAD UNIT	CYPRESS	17,20-7S-8E		55*					
*4259	HUMBLE O AND R	STOKES U	MARIONSBURG	5-6S-9E		755		543		1270	
4375	LOOK OIL CO	ATCMLEY	CLORE	17-6S-9E	20*	538*	1.4*	32*	20*	294*	
*4347	E. F. MORAN, INC	NORRIS CITY	CYPRESS	33-6S-8E		771		15			
			BETHEL								
*1446	HURVIN OIL CO.	ROLANO POOL U	BETHEL	24-7S-8E		1307*		57*		521*	
4419	MURVIN OIL CO.	ROLANO AUX VASES	AUX VASES	13,14,24-7S-8E	200*	1563*	12.5*	159*	200*	1068*	
*4407	NAPCO	MUGHES FLOOD	CYPRESS	9-6S-9E		458		14		164	
4403	NATTONWIDE ENERGY	ROLANO U	CYPRESS	1,12,13-7S-8E	200*	3015*	11.9*	236*	200*	1074*	
			BETHEL								
			AUX VASES								
*4418	DENNIS PAINE	COLLINS-ANDERSON	BETHEL	16-7S-8E		193*		42*		81*	

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity ('API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
<b>PHILLIPSTOWN C, EDWARDS, WHITE</b>												
CONTINUED												
*4252	1830	11.0			32.8	05-51	02-61	5	9	60	SH SD, PROD (M)	*INCL PRIM PROD 1951-1961
*4369	2700	10.0				08-63	12-65	3	4	40	SH SO (F)	*NO DATA SINCE 1964
4342	1800	25.0	17.7		32.0	6-63		3	3	30	PRODUCED (B)	*ESTIMATED
4421	1830	15.0				02-68		3	12	240	PRODUCED (B)	
4215	2380	13.0			36.0	03-68		1	2	30	WELL, PROD (M)	
	2950	18.0	20.0	60				2	4	90		
*4254	2800	10.0	15.0	46	37.0	03-52	01-64	2	5	20	PRODUCED (B)	
4255	1850	47.0				08-71		1	5	60	PRODUCED (B)	
	2800	18.0				10-57		6	2	80		
	2930	24.0				10-57		2	5	80		
*4232	2300	12.0				11-55	01-58	1	2	30	PENN SAND (B)	
4225	2015	20.0			36.0	01-68		3	4	40		*INJ. WELLS ARE LINE WELLS
	2895	18.0						1	2	20		
	3040	8.0						2	2	60		
*4256	2000	10.0				12-55	06-60	1	5	50	PRODUCED (B)	
*4270	2248	10.0			34.5	01-53	06-54	1	9	10	PRODUCED (B)	
*4315	2800	17.0	14.2	7	36.3	03-69	01-72	4	3	70	PRODUCED (B)	
	2900	10.0	14.2	31				4	3	70		
	3050	10.0					08-70	4	4	80		
*4253	2000	15.0	19.0	100	37.0	09-53	06-74	2	5	70	PRODUCED (B)	*ESTIMATED
4306	1980	20.0				08-69		1	2	40	PRODUCED (B)	*ESTIMATED
	2960	9.0						1	2	40		
	3035	10.0						1	1	30		
<b>PHILLIPSTOWN S, WHITE</b>												
4357	2320	12.0	18.1	33		12-62		2	3	60	SH SO (F)	*ESTIMATED
<b>RACCOON LAKE, MARION</b>												
*2617	1900	6.9	14.0	199	36.0	07-61	12-74				PRODUCED (B)	*INCL DROPPED PROJ 2616
	1925	5.2	11.0	292				3	2	100		
2626	1850	15.0			35.0	03-65		2	4	120	PRODUCED (B)	
	1730	15.0					05-69	1	1	70		
<b>RALEIGH, SALINE</b>												
*3615	2550	10.0			32.0	05-64	12-74	1	1	20	PENN SO, PROD (B)	*ESTIMATED
3617	2553	14.0			33.7	05-62		18	14	350	CYPRESS, PROD (B)	*ESTIMATED SINCE 1969
*3605	2945	10.0	24.0	472	39.0	10-60	12-66	3	4	70	PAINT CK, PROD (B)	
<b>RALEIGH S, SALINE</b>												
3627	2050	13.0				01-75		1	2	80	PENN (B)	*EST, SUBSURFACE INJ. *ESTIMATED
3618	2840	12.5	18.4	130	38.0	08-64		3	4	80	PENN SO, PROD (B)	*ESTIMATED
*3604	2850	15.0			176	12-60	01-70	1	3	40	PENN SO, PROD (B)	*ESTIMATED 1964-1969
3616	2850	15.0	15.0		36.0	03-64		3	1	110	PRODUCED (B)	
<b>RAYMOND E, MONTGOMERY</b>												
*2900	595	6.0			34.1	08-59	12-67	2	2	20	PENN SO, PROD (B)	*ESTIMATED
<b>RICHVIEW, WASHINGTON</b>												
4016	1500	20.0				09-71		1	6	70	TAR SPR, PROD (B)	*ESTIMATED
4015	1480	20.0				03-70		4	10	140	TAR SPR (B)	*ESTIMATED
4012	1485	13.0	21.0	117	39.0	10-66*		5	9	97	TAR SPR, PROD (B)	*INCL PRIM PROD SINCE 3-66
4017	1480	25.0				01-71		2	2	20		*ESTIMATED
4014	1477	20.0				09-63		1	7	100	TAR SPR, PROD (B)	*ESTIMATED
<b>RITTER N, RICHLAND</b>												
*4830	3190	4.0			38.8	09-64	12-65	1	3	160	PENN SAND, PROD (B)	
<b>ROACHES N, JEFFERSON</b>												
*2009	1930	10.7	14.8	134	37.2	08-60	10-73	4	18	460	PRODUCED (B)	
<b>ROCHESTER, WABASH</b>												
3970	1285	12.0	19.0	100	40.1	07-60		2	3	80	GRAVEL BED (F)	
	1960	20.0	18.9	100				2	5	90		
3972	1285	12.0			30.5	01-60		3	2	70	GRAV, PROD (M)	
3968	1350	30.0	17.0	150	33.0	07-60		5	8	80	SH SO, GRAY (F)	*NO DATA 1975-76; *ESTIMATED
	1950	20.0	18.0	200	37.0			5	5	80		
<b>ROLAND C, GALLATIN, WHITE</b>												
4314	2575	8.0	16.0	30	36.6	10-69		5	4	110	SH SAND (F)	*ESTIMATED
4435	2190	12.0				01-62		1	2	30	PRODUCED (B)	*ESTIMATED
	2600	18.0						1	2	40		
	2900	10.0						1	2	40		
4413	2636	14.0	17.0	106	38.0	03-63		2	3	280	PRODUCED (B)	*ESTIMATED
4324	2950	10.0				06-70		2	6	130	PENN SO (B)	*ESTIMATED
4350	2650	8.0				04-70		2	4	60	PENN SO (B)	*ESTIMATED
	2950	10.0						2	4	60		
*1418	2920	15.0	16.2	61	40.0	06-59	01-76	2	2	120	PENN SO (B)	*NO INJ. 1975
4258	2175	14.0	19.5	275	31.0	06-55		13	19	560	PENN SO, PROD (B)	
	2900	12.0			39.0			2	4	110		
4266	2700	20.0	16.6	65	31.6	06-66		14	12	450	PENN SO, PROD (B)	
	2775	9.0	12.4	12				1	4	130		
	2900	6.0	13.8	14				8	15	910		
4436	2870	18.0				06-73		1	3	40	PRODUCED (B)	*ESTIMATED
4396	2332	10.0	23.9	77		02-62		1	2	80	PRODUCED (B)	*ESTIMATED
*4361	2200	15.0	18.0		31.0	06-62	01-68	4	4	80	PENN SO, PROD (B)	*ESTIMATED
*4262	2620	20.0	14.0	16		10-56	12-58	2	2	40	TAR SPR, PROD (B)	*ESTIMATED, O.F.
*4259	2530	11.6	18.8	256	35.8	07-54	12-66	7	10	170	PRODUCED (B)	
4375	1991	12.0			38.0	08-67		2	1	20	PALESTINE, PROD (B)	*ESTIMATED
*4347	2685	5.0				07-66	10-68	2	2	40	PENN SAND (F)	
	2800	30.0						4	4	80		
*1446	2750	18.0	14.0	35	38.0	01-70	06-74	8	11	200	PENN SO (B)	*ESTIMATED
4419	2860	15.0				04-69		6	16	260	PRODUCED (B)	*ESTIMATED
*4407	2740	14.0			37.0	04-65	01-72	2	2	20	PRODUCED (B)	
4403	2600	10.0	15.2	38		01-67		7	10	230	TAR SPRINGS (B)	*ESTIMATED
	2800	15.0				03-69		2	6	80		
	2920	9.0				01-70		1	1	20		
*4418	2795	15.0				02-64	04-75	1	2	30	PRODUCED (B)	*NO PRODUCTION, 1975

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production		
					Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76	
ROLANO C, GALLATIN, WHITE CONTINUED											
	4422	PETRO INTERNATIONAL	GENTRY & LOWRY	TAR SPRINGS	13-68-8E	130*	1393*	25.9**	117**	130*	915*
	4310	REBSTOCK OIL CO.	GEN AMER LIFE	CYPRESS CLORE WALTERSBURG CYPRESS BETHEL AUX VASES	1-78-8E	342*	2507*	4.4*	130*	216*	1836*
*1413	ROYALCO, INC.	OMAMA U		WALTERSBURG	20,21,28,29-78-8E		12070		593		3896
*4319	ROYALCO, INC.	E. ROLAND		AUX VASES	2,3-78-8E		1702		107		425
*4261	SHELL OIL CO.	IRON UNIT		MARDINSBURG	23,24,25-63-8E		18512		2254		9380
4322	JOE SIMPKINS OIL	ROLANO POOL U		WALTERSBURG	10,11-78-8E	100*	1807*	5.4*	126*	100*	937*
	4214	BUN OIL CO.	ROLANO POOL U AREA II	BETHEL AUX VASES CLORE WALTERSBURG TAR SPRINGS CYPRESS BETHEL	1,2,11,12,13,14-78-8E 36-68-8E	4770	38496	87.2	3252	2315	18284
	4244	SUN OIL CO.	ROLANO WEST U	AUX VASES CYPRESS BETHEL AUX VASES SPAR MTN	4,9-73-8E	463	4392	22.6	274	301	2461
*4260	UNION OIL CALIF.	STOKES-BROWN&VILLE U		MARDINSBURG	36-53-8E,31,32-58-9E, 1,11,12-63-8E,6-68-9E		16366		2290		9607
4385	UNION OIL CALIF.	WALNUT GROVE U		TAR SPRINGS CYPRESS PAINT CREEK BETHEL AUX VASES OMARA SPAR MTN MCCLOSKEY CYPRESS	7,8,17,18,19-68-9E	1853	23793*	109.2	2568*	1385	11315*
*1435	WAUSAU PET. CORP	GOSBETT		CYPRESS	19,20-73-8E 18-78-8E		693		81		125
RUARK, LAWRENCE	2267	MOORE ENG	RUARK WFU	PENN	7-2N-12W	72*	828*	4.4*	144*	72*	314*
RUARK W, LAWRENCE	2264	CITIES SERVICE	W, RUARK U	BETHEL	12,13-2N-13W	173	6293	8.0	671	214	3843
*2293	EARLE B REYNOLDS	WIRTH		BETHEL	13-2N-13W				34*		*
2290	JOE WILLIAMS	W W PROUT		BETHEL	12-2N-13W	*	*	1.0*	33*		
RURAL HILL N, HAMILTON	*1515	ACME CASING	MOORE UNIT	CYPRESS	34,35-53-5E		1539		210		544
ST FRANCISVILLE, LAWRENCE	2263	MAROLO BRINKLEY	PEPPLE AND MOODY	BETHEL	19,20-2N-11W	*	787*	*	29*	*	319*
*2273	LOGAN OIL CO.	WILSON "B"		BETHEL	20-2N-11W		31				
*2223	OIL RECOVERY, INC	ST FRANCISVILLE		BETHEL	20-2N-11W		90				
ST, FRANCISVILLE E, LAWRENCE	*2218	BAUER BROTHERS	ALL STATES LIFE	BETHEL	22-2N-11W		3528		267		1145
ST JACOB, MAISON	2506	BELLAIR OIL	ELLIS WF	TRENTON	27-3N-6W	60*	2088*	6.0*	117*	60*	1066*
	2503	WARRIOR OIL CO.	TRENTON LIME UNIT	TRENTON	15,16,21,27-3N-6W	366	7498	14.3	600	269	4522
	2505	WARRIOR OIL CO.	S. ST. JACOB UNIT I,	TRENTON	27-3N-6W	256	2487	6.0	84	207	1955
ST JAMES, FAYETTE	1238	N. A. BALOROGUE	WILLIAM SMAIL	CYPRESS	25,36-6N-2E	110*	1766*	5.4*	225*	110*	2454*
	1245	W. L. BELDEN	ST JAMES	CARPER	25-6N-2E,30-6N-3E	59	885	7.5*	62**	59*	885*
	1250	W. L. BELDEN	ST JAMES NORTH	CARPER	19,30-6N-3E	248	2034	5.1*	117**	248*	2034*
	1253	M-B-C- CORP	SMITH-STEPHENS	CYPRESS	31-6N-3E	500*	8768*	30.4*	573*	500*	8768*
	1840	MARATHON OIL CO.	ST. JAMES 1-C	CYPRESS	36-6N-2E, 30,31-6N-3E	518	9065	57.5	1327	482	6299
*1222	HENRY ROSENTHAL	WASHBURN		CYPRESS	30-6N-3E		1000*		198*		1000*
1251	HENRY ROSENTHAL	WASHBURN		CARPER	30-6N-3E	250*	2809*	10.2*	84*	250*	638*
1239	TEXACO, INC.	ST. JAMES WF		CYPRESS	25-6N-2E,30,31-6N-3E	630	5893	14.9	462	611	5963
STE MARIE, JASPER	*1912	MURVIN OIL CO.	STE, MARIE	SPAR MTN	7-5N-11E		*		12*		*
	*1905	J. R. RANDOLPH	STE, MARIE WF	MCCLOSKEY	5,6,7,8-5N-14W		1900		191		62
	*1923	S AND M OIL CO.	STE MARIE U	MCCLOSKEY	1-5N-10E, 6-5N-11E		1620		78		327
	1920	C. R. WINN	WADE 2	MCCLOSKEY	5,6-5N-14W	10*	642*	1.2*	30*	10*	460*
SAILOR SPRINGS C, CLAY, EFFNGHAM, JASPER	* 318	ASHLAND O AND R	E. FLORA	MCCLOSKEY	16,21-3N-7E		2173		195		2605
	377	ASHLAND O AND R	E W KECK LEASE	MCCLOSKEY	35-4N-7E	22	181	6.1	29	36	145
* 309	CITIES SERVICE	WYATT		AUX VASES	13-5N-7E		848		40*		446*
* 334	CITIES SERVICE	WYATT		SPAR MTN	13-5N-7E		23		*		*
359	WALTER OUNCAN	GOULO UNIT		CYPRESS	15-5N-7E	400*	3373*	22.4*	1214*	400*	2955*
1102	WALTER OUNCAN	BRINK		CYPRESS	34-6N-7E	110*	2499*	5.7*	534*	110*	1742*
1116	WALTER OUNCAN	KLUTHE		CYPRESS	33-6N-7E	80*	715*	6.6*	293*	80*	2112*
374	J. C. FRANKLIN	NW CLAY		CYPRESS	35-4N-7E	80*	511*	5.3*	72*	30*	541*
	1114	J. C. FRANKLIN	REINHART, STORTZUM	AUX VASES CYPRESS	22-6N-7E	195*	1575*	15.4*	179*	195*	1070*
* 310	GULF OIL CO	R. KECK		CYPRESS	26-4N-7E		65		11		37
* 339	GULF OIL CO	SAILOR SPRINGS UNIT		CYPRESS	26-4N-7E		315		49		70
1118	GULF OIL CO	F H KLUTHE		CYPRESS	33-6N-7E	*	*	47.7	647	59	246
328	C.O. HAGAN	SAILOR SPRINGS		TAR SPRINGS CYPRESS	26-4N-7E	50*	2887*	3.0*	169*	50*	2309*
356	JET OIL CO.	RIALE GROVE UNIT		CYPRESS	10-5N-7E	600*	9540*	13.9*	1288*	225*	4495*
*1107	JET OIL CO.	BLUNT COMM U		MCCLOSKEY	17,20-6N-7E		970		102		655
329	JUNIPER PETROLEUM C N	SAILOR SPRINGS		CYPRESS AUX VASES SPAR MTN	2-4N-7E,35-5N-7E	50	4350	3.9	212	56	1847



Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (*API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
<b>ROLANO C, GALLATIN, WHITE</b>												
CONTINUED	4422	2310	15,0			01-71		3	4	70	PRODUCED (B)	*EST +INCL PRIM PROD
		2710	10,0					3	3	60		
	4310	1960	6,0	18,7	150	10-68		2	1	30	FRESH, PROD (M)	*ESTIMATED
		2185	12,0	19,8	264			4	4	80		
		2620	5,0					1	1	20		
		2800	8,0	13,3	73			4	4	80		
		2900	8,0	12,0	70			1	1	20		
	*1413	1695	14,0	19,0	225	03-53	04-73	16	17	336	PRODUCED (B)	
	*4318	2935	20,0	14,2	4	12-61	07-69	8	8	260	SH SO, PROD (M)	
	*4261	2500	25,0	17,6	152	12-50	04-66	20	24	440	CYPRESS, PROD (B)	
	4322	2150	15,0			07-69		4	6	160	PENN SAND (B)	*ESTIMATED
		2740	10,0					4	6	160		
		2870	15,0					6	8	180		
	4214	1900	9,0			04-68		4	7	120	WELL, PROD (M)	
		2200	12,0					16	25	440		
		2250	7,0					2	6	90		
		2500	11,0					13	25	400		
		2750	14,0					21	32	550		
		2900	21,0					4	31	150		
	4244	2620	14,0	14,0	34	02-66		7	12	200	PENN SO (B)	
		2725	9,0	11,0				5	12	180		
		2925	15,0	16,5	55			6	9	160		
		3000						1	1	40		
	*4260	2628	15,0	17,0	106	08-55	08-67	38	31	1142	PENN SO, PROD (B)	
	4385	2300	12,4			02-67*		16	14	300	PRODUCED (B)	*CORRECTED TO INCLUDE 1964-1966 OUMP FLOOD DATA; *UNIT EFFECTIVE 7-66
		2640	10,5	18,0	60			14	13	302		
		2790	10,0	17,0	50			5	5	100		
		2880	22,0					23	20	449		
		2900	10,0					14	13	278		
		2940	3,0					5	5	100		
		2970	3,0					19	5	200		
		3060	1,3					2	2	63		
	*1435	2550	12,0	18,5	80	07-64	05-70	3	7	100	PENN SO, PROD (B)	
<b>RUARK, LAWRENCE</b>												
	2267	1840	8,0	16,0	105	04-63		1	2	56	SH SO (F)	*ESTIMATED
<b>RUARK W, LAWRENCE</b>												
	2284	2250	17,0	16,0	100	08-65		20	15	370	TAR SPR, PROD (B)	
	*2293	2234	11,0			08-65*	07-72	2	2	20		*ESTIMATED; *WINDOW IN ACTIVE WF
	2290	2260	10,0			01-67		2	2	30		*ADJ ACTIVE WF, NO INJ *EST
<b>RURAL HILL N, HAMILTON</b>												
	*1515	2400	10,0	13,8	22	05-60	01-69	3	2	140	PRODUCED (B)	
<b>ST FRANCISVILLE, LAWRENCE</b>												
	2263	1840	12,0		41,0	04-62		2	5	80	GRAV, PROD (M)	*NO DATA 1973-76
	*2278	1850	10,0	18,5	65	11-64	12-66	1	1	30	CYPRESS (B)	
	*2228	1865	12,0	17,5	43	12-50	06-54	2	1	30	SH SO, PROD (M)	
<b>ST FRANCISVILLE E, LAWRENCE</b>												
	*2218	1740	27,0	17,0	40	11-57	11-72	6	9	160	RIVER GRAVEL (F)	
<b>ST JACOB, MADISON</b>												
	2506	2340	20,0	6,0	35,6	11-65		4	7	230	SH SO, PROD (M)	*ESTIMATED
	2503	2351	15,7	9,6	11	08-62		12	12	442	AUX VASE8, PROD (B)	
	2505	2320	18,0	9,6	36,0	11-65		2	5	180	AUX VASE8, PROD (B)	
<b>ST JAMES, FAYETTE</b>												
	1238	1560	16,0	20,0	150	07-63		3	6	50	PRODUCED (B)	*ESTIMATED
	1245	3130	42,0		37,4	12-65		1	5	60	PRODUCED (B)	*INCL PRIM PROD SINCE 1-66 *EST
	1250	3100	20,0			01-66		1	6	180	PRODUCED (B)	*EST +INCL PRIM PROD
	1253	1600	10,0			01-61		3	16	175	PRODUCED (B)	*ESTIMATED
	1240	1600	22,0	18,0	230	08-63		11	26	588	PRODUCED (B)	
	*1222	1595	20,0		34,0	03-54	12-62	3	9	100	PRODUCED (B)	*1959-1962 ESTIMATED
	1251	3090	45,0	11,0		04-68		1	5	90	PRODUCED (B)	*ESTIMATED
	1239	1600	13,4	19,6	76	05-63		3	10	200	PRODUCED (B)	
<b>STE MARIE, JASPER</b>												
	*1912	2910	10,0		36,2	11-61	12-65	2	6	160	CYPRESS (B)	*O,F., UNKNOWN; *DATA ESTIMATED
	*1905	2860	7,0			10-48	12-60	1	14	400	CYPRESS (B)	
	*1923	2850	8,0	15,0	300	04-68	12-72	2	7	140	GRAVEL BED (F)	
	1920	2822	5,0			01-66		1	2	60	RIVER GRAVEL (F)	*ESTIMATED
<b>SAILOR SPRING C, CLAY, EFFINGHAM, JASPER</b>												
	*318	2950	6,0	16,0	800	11-56	12-66	3	9	160	PRODUCED (B)	
	377	2961	10,0		37,0	12-72		1	4	80	PRODUCED (B)	
	*309	2770	9,2	17,0	50	09-53	12-61	2	2	40	PENN SO, PROD (B)	*INCLUDE8 334
	*334	2845	10,0			01-61	01-62	1	1	20	PENN SO, PROD (B)	*INCLUDED WITH 309
	359	2505	15,0	16,0	130	01-66		5	9	130	PENN SO (B)	*ESTIMATED
	1102	2530	18,0			12-57		2	5	90	PENN SO, PROD (B)	*ESTIMATED
	1116	2520	15,0			05-69		1	5	80	PRODUCED (B)	*ESTIMATED
	374	2600	12,0			12-70		2	4	80	PRODUCED (B)	*ESTIMATED
		2840	12,0					2	4	80		
	1114	2560	6,0			06-67		4*	7*	130*	PRODUCED (B)	*ESTIMATED
	*310	2602	10,0			09-57	03-60	1	1	20	PRODUCED (B)	
	*339	2600	20,0	16,0	10	06-63	07-66	3	3	60	PRODUCED (B)	
	1118	2510	10,0			01-66		1	5	40		*AFFECTED BY ADJ WF
	328	2300	7,0	20,0	32,7	04-58		1	10	150	PRODUCED (B)	*ESTIMATED
		2600	7,0	19,0				1	7	100		
	356	244C	20,0	20,0	70	01-66		12	13	430	PENN SAND (M)	*ESTIMATED 1976
	*1107	2860	5,0			11-62	06-69	3	5	60	LAKE, PROD (M)	
	329	2560	8,0		36,0	11-56		3	4	100	PENN SO, PROD (B)	
		2800	15,0					3	2	80		
		2880	6,0					4	3	140		

TABLE 11. Waterflood operations

Field, County	General information				Production and injection statistics (M bbl)						
					Water injection		Oil production		Water production		
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Location S - T - R	Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76	
SAILOR SPRINGS C, CLAY, EFFNGHAM, JASPER CONTINUED											
	1100	KEN-TEX	BIBLE GROVE	SPAR MTN	28,29=6N-7E	50*	4622*	2.9*	447*	50*	1942*
	*1103	KINGWOOD OIL CO.	NAOLER AND JOERGENS	MC CLOSKEY CYPRESS	28=6N-7E		1834		101		888
	319	LAOD PETROLEUM	SAILOR SPRINGS U	SPAR MTN CYPRESS	13=5N-7E	120	2312	8.1	152	29	284
	1117	LAOD PETROLEUM	J HABBE	CYPRESS	33=6N-7E	*	*	5.9*	184*		
	352	MAC OIL COMPANY	BIBLE WF UNIT	CYPRESS	9=4N-7E	97	1712	8.4	274	97	820
	* 312	W. C. MCBRIDE	GOLOSBY-OICKEY	CYPRESS	34=4N-7E		622		31		142
	* 313	W. C. MCBRIDE	DUFF-KECK	CYPRESS	26,35=4N-7E		1845		140		681
	* 314	W. C. MCBRIDE	BOTHWELL	CYPRESS	14=3N-7E		98		5		
	344	W. C. MCBRIDE	DEHART	CYPRESS	9,10=3N-7E	9	983	0.2	80	9	697
	348	W. C. MCBRIDE	STASER U	CYPRESS	12,13,14=3N-7E	113	2605	2.2	190	102	1012
	364	W. C. MCBRIDE	GOLOSBY-WILSON	CYPRESS	34=4N-7E	241	2630	14.0	156	228	1786
				AUX VASES							
	370	W. C. MCBRIDE	ARMSTRONG U	CYPRESS	3,10=3N-7E	12	210*	1.9	13	12	99
	375	W. C. MCBRIDE	PATTON-SMITH U	CYPRESS	11=3N-7E	14	189	3.5	24	19	130
	* 311	MCCOLM, KINCAID	SAILOR SPRINGS	CYPRESS	14,15,23=4N-7E		6979		1023		3203
	* 336	MCCOLM, KINCAID	NORTH MOOSIER UNIT	CYPRESS	10=4N-7E		2174		465		1221
	355	MCCOLM, KINCAID	BIBLE GROVE WF UNIT	CYPRESS	15,22=5N-7E	270*	4899*	12.4*	1131*	270*	3099*
	* 352	MCCOLM, KINCAID	HARDIN	CYPRESS	10=5N-7E		*		11*		*
	383	MCCOLM, KINCAID	CHLORS-HARDIN-HARMON	CYPRESS	9,10=5N-7E	150*	180*	29.1*	29*	50*	50*
	366	MCKINNEY,FUNOERB	SPARLIN	CYPRESS	3=5N-7E	12	164	1.5	45	12	126
	* 340	HOBIL OIL CORP.	NORTH MOOSIER U	CYPRESS	15=4N-7E		1608		274		864
	321	BERNARD POOLSKY	BUCK CREEK U	MCCLOSKEY	8,9,16,17=3N-7E	601	3274	18.8	192	465	2145
	* 333	BERNARD POOLSKY	C. BOWERS	MCCLOSKEY	16=3N-7E		231		44		182
	371	BERNARD POOLSKY	E FLORA	MCCLOSKEY	9=3N-7E	139	825	1.8	13	100*	464*
	* 343	RAY-OBER OIL CO.	MASTINGS	CYPRESS	23=4N-7E		118*		7*		
	368	C O REED	MCCOLLUM	CYPRESS	9,16=4N-7E	140*	856*	8.7*	89*	140*	628*
	369	EARLE B REYNOLDS	STORCK	CYPRESS	5=5N-7E	95*	935*	5.3*	77*	95*	915*
	379	ROBISON OIL CO.	BATEMAN,CROUSE,WORKMN	CYPRESS	24,25=5N-7E	12*	15*	9.6*	10*	10*	12*
	361	HUBERT ROSE	BATEMAN UNIT	CYPRESS	25,26,35=5N-7E	78*	2107*	4.7*	100*	78*	626*
	350	SHAKESPEARE OIL	STANFORD UNIT	SPAR MTN	22,27=3N-7E	3	442	0.9	28	3	187
	* 315	SHULHAN BROTHERS	COLCLASURE AND MARDY	CYPRESS	10=3N-7E		1177		28		496
	* 316	SHULHAN BROTHERS	NEFF	MCCLOSKEY	16=3N-7E		99		3		
	* 325	SHULHAN BROTHERS	LEWIS-CYPRESS	CYPRESS	13=5N-7E		84		5		84
	1106	SOMIO PETROLEUM	ROSICLARE LIME UNIT	SPAR MTN	5=5N-7E, 32=6N-7E	320	7192	11.4	960	320	4892
	* 367	SO, TRIANGLE CO.	SAILOR SPRINGS	CYPRESS	11,12,13,14=4N-7E		510		10		201
	1109	SUN OIL CO.	BIBLE GROVE U,SO,U.	CYPRESS	22,27,28,34=6N-7E	381	7025	11.3	1181	257	4310
	360	TEXACO, INC.	NORTH BIBLE GROVE U	CYPRESS	3,4,5,3,9,10=5N-7E, 32=6N-7E	2814	35497	66.3	3602	2373	20641
	365	TEXACO, INC.	W G LANDWEHR	CYPRESS	9=5N-7E	161	1988	6.8	96	42	256
	1115	R. O. WILSON II	KLUTHE-STORTZUM=LAKE	CYPRESS	15,22=6N-7E	84*	405*	20.7*	213*	40*	306*
SALEM C, JEFFERSON, MARION											
	2615	T. L. CLARK	PHELPS-WALNUT HILL U.	SPAR MTN	28,33=1N-2E	25*	2737*	4.1*	226*	25*	120*
	2612	EGO OIL CO	SEBASTIAN	BENOIST	21=1N-2E	15*	309*	1.4*	32*	15*	309*
	2624	EGO OIL CO	LUTTRELL	SPAR MTN	15=1N-2E	8*	153*	1.2*	17*	8*	75*
	2633	EGO OIL CO	BURGE	SPAR MTN	21=1N-2E	20	104*	3.0	10*	20	104*
	2006	EXXON	OIX R. AND PM.	BENOIST	3,4,9,10,15,16=1S-2E	1173	29230	184.0	14984	992	20685
	2010	EXXON	SALEM CONS	AUX VASES	3,4,10=1S-2E	812	28487	25.7	115*	880	20506
	*2604	TEXACO, INC.	ROSICLARE SAND UNIT	SPAR MTN	15=1N-2E		1913		96		207
	2605	TEXACO, INC.	SALEM UNIT	BENOIST	11,2N=R2E	4208	526231	192.9	41851	10356	362837
	2606	TEXACO, INC.	SALEM UNIT	DEVONIAN	11,2N=R2E	45782	307012	1441.9	11632	39694	267532
	2607	TEXACO, INC.	SALEM UNIT	MCCLOSKEY	11,2N=R2E	14904	434581	315.8	23027	14071	309651
	2608	TEXACO, INC.	SALEM UNIT	AUX VASES	11,2N=R2E	29238	489385	482.3	33222	19890	294608
	2636	TEXACO, INC.	SALEM U	SALEM	11,2N=R2E	1335	17704*	37.8	250*	165	1269*
	*2637	TEXACO, INC.	SALEM U	TRENTON	11,2N=R2E		806		4		15
SAMSVILLE N, EDWARDS											
	*1010	ASHLANO O AND R	WEST SALEM	BETHEL	30=1N=14W		319		7		
SCHNELL, RICHLAND											
	3439	UNION OIL CALIF.	SCHNELL CONSOL	MCCLOSKEY	7=2N=9E	20	855	1.0	39	1	324
SEMINARY, RICHLAND											
	*3410	R. JOHNSON	SEMINARY	MCCLOSKEY	17=2N=10E		889		25		290
SESSER C, FRANKLIN											
	1343	N. A. BALDRIDGE	GALLOWAY	AUX VASES	20=5S=2E	100*	500*	20.3*	117*	100*	500*
	1318	WM, BECKER	OLD BEN COAL FLOOD	AUX VASES CLEAR CREEK	13,14,23,24=6S=1E	425*	6762*	21.1*	715*	425*	4245*
	1325	FARRAR OIL CO.	SESSER UNIT	AUX VASES	26,35=5S=1E 2=6S=1E	57	2114	28.1	944	40	840
	1330	FARRAR OIL CO.	CHRISTOPHER U	RENAULT	24,25=6S=1E	16*	455*	4.2*	69*	18*	139*
	*1306	FARRAR OIL CO.	SESSER U	AUX VASES	19,30=6S=2E		1574		173		75
	1339	JOE SIMPKINS OIL	SOUTH SESSER UNIT	RENAULT	17,19,20=5S=2E	100*	307*	5.0*	14*	100*	192*
				AUX VASES	2=6S=1E						
SHATTUC, CLINTON											
	410	T. H. CONREY, JR	SHATTUC WF	CYPRESS BENOIST	27,28=2N=1W	50*	1000*	9.7*	151*	50*	495
SHANNEETOWN N, GALLATIN											
	*1416	SUN OIL CO.	L. HILLER	AUX VASES	7=9S=10E		357		48		163
SIGGINS, CLARK, CUMBERLAND											
	* 216	ACHE CASING	UNION GROUP	2ND SIGGINS	18=10N=11E		23839		2721		21092
	700	BELL BROTHERS	FLOOD 1	2ND SIGGINS	13=10N=10E	36	936	3.8	275	22	950
	* 701	COCHONOUR, CLARK	VEVAY PARK	2ND SIGGINS	25=10N=10E		255		2		103
	702	HARATHON OIL CO.	SIGGINS	2ND SIGGINS	13,14=10N=10E, 7,11,12=10N=11E	2500*	104760*	99.4*	13207*	2600*	21285**
	* 215	OMER W. DOLE	SIGGINS	SIGGINS	7=10N=14W 7=10N=11E		50*		9*		50*
	707	CLIFFORD A. PERRY	REEDER	2ND SIGGINS	24=10N=10E	15*	92*	2.4*	11*	15*	92*

Field, County Project no.	Reservoir statistics (avg. value)				Development as of 12-31-76				Injection water		Remarks	
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells Inj. Prod.	Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow		Type: (F) = Fresh (B) = Brine (M) = Mixed
<b>SAILOR SPRINGS C, CLAY, EFFNGHAM, JASPER</b>												
<b>CONTINUED</b>												
1100	2850	5,0			37,0	07-54		1	1	40	CYP,,T,S.,,PROD(B)	*ESTIMATED
	2870	4,0						3	3	180		
*1103	2856	9,0				06-55	07-65	1	1	20	CYPRESS, PROD (B)	
	2863	6,0						3	3	100		
319	2600	12,0			36,5	07-67		2	9	320	CYPRESS SD (B)	
1117	2500	25,0				06-68		*	3	60		*ADJ,TO ACTIVE WF +EST
352	2600	20,0	18,0	24	37,7	09-63		3	9	160	PENN SD, PROD (B)	
*312	2580	15,0	15,4	17	38,0	09-55	10-64	1	2	50	PRODUCED (B)	
*313	2600	12,0	19,0	60	38,0	07-53	09-66	2	5	120	PRODUCED (B)	
*314	2650	10,0	19,0	20	36,0	08-56	12-59	1	1	20	PRODUCED (B)	
344	2610	15,7	17,5	50		11-64		1	3	60	PENN SD, PROD (B)	
348	2620	20,0	16,0	20		06-65		6	4	100	PENN SD, PROD (B)	
364	2585	12,0				01-69		10	12	167	PENN SD, PROD (B)	
	2830	6,0						3	3	60		
370	2600	10,0				07-71		2	3	110	PENN SD, PROD (B)	*INJ CURTAILED 5-74T05-75
375	2575	10,0			37,5	05-72		3	3	90	PENN SD, PROD (B)	
*311	2600	15,1	17,3	48	37,0	07-54	01-69	11	14	350	CYP SD, PROD (B)	
*336	2580	15,0	17,0	50	36,0	12-62	06-70	10	12	220	PENN, PROD (B)	
355	2500	18,0	18,0	80		12-65		7	13	200	PENN SD, PROD (B)	*ESTIMATED
*382	2495	21,0				01-66	08-75	*	1	10		*ESTIMATED
383	2580	18,0				07-75		1	3	50	PRODUCED (B)	*ESTIMATED
366	2510	8,0				07-69		1	1	60	PRODUCED (B)	*ESTIMATED
*340	2600	12,0	18,7	40	37,0	08-62	12-68	10	5	140	PENN SD (B)	
321	2980	7,8			37,7	12-70		3	13	340	CYPRESS (B)	
*333	3000	6,0	10,0	500	36,0	09-61	04-66	1	3	40	PRODUCED (B)	
371	2950	7,0			35,0	02-71		1	4	150	PURCHASED (M)	*ESTIMATED
*343	2600	16,0	17,0	56	37,4	10-63	12-66	1	1	40	PENN SD, PROD (B)	*1964-1966 ESTIMATED
368	2620	15,0				06-69		1	6	70	PRODUCED (B)	*ESTIMATED
369	2500	15,0				06-69		2	4	60	PRODUCED (B)	*ESTIMATED
379	2575	13,0				09-75		1	3	40	LAKE AND PRODUCED	*ESTIMATED
361	2570	11,0	17,0	31		01-66		2	3	240	PRODUCED (B)	*ESTIMATED
350	2990	10,0				12-65		1	3	30	SH SD, PROD (M)	
*315	2620	15,0	16,4	16	36,0	07-57	06-65	1	1	80	PRODUCED (B)	
*316	3000	5,0			36,0	01-57	12-59	2	1	80	TAR SPRINGS (B)	
*325	2510	8,0			36,0	01-66	09-67	1	1	30	PRODUCED (B)	
1106	2800	10,0			38,5	06-61		6	9	550	GRAV, PROD (M)	
*367	2620	12,0	17,2	75	36,0	09-70	12-72	5	6	120	PENN SD (B)	
1109	2520	7,0			38,0	01-65		12	11	385	SH SD, PROD (M)	
360	2475	30,0	16,3	67	37,0	07-66		29	28	1320	PENN SD (B)	
365	2450	10,0	16,0	113	37,0	01-69		1	2	80	PRODUCED (B)	
1115	2580	12,0	19,5	190	38,0	04-69		2	6	90	PRODUCED (B)	*ESTIMATED 1976
<b>SALEM C, JEFFERSON, MARION</b>												
2618	2102	7,0	12,0		39,2	06-63		4	11	260	PENN SD, PROD (B)	*ESTIMATED 1974-76
2612	1927	8,0			34,6	01-59		1	2	10	PRODUCED (B)	*ESTIMATED
2624	2100	15,0				01-67		1	2	30	PRODUCED (B)	*ESTIMATED
2633	2110	8,0				01-71		1	4	40	PRODUCED (B)	*ESTIMATED
2006	1950	19,0	16,7	130	38,0	01-48		4	30	2078	PENN SD, PROD (B)	
2010	2000	16,0	14,0	20	38,0	08-60		27	22	1090	PENN SD, PROD (B)	
*2604	2093	14,0	11,5	43	36,5	04-50	08-62	3	5	100	PRODUCED (B)	
2605	1770	28,0	17,9	150	37,0	10-50		31	56	8247	LAKE, PROD (M)	
2606	3400	19,0	16,8	300	36,5	10-50		57	72	5414	UPPER SD, PROD (B)	
2607	1950	20,0	15,8	700	37,0	04-51		82	67	7712	LAKE, PROD (M)	
2608	1825	26,0	16,3	28	37,0	10-50		120	82	4881	LAKE, PROD (M)	
2636	2175	25,0	10,5	35	37,5	01-71		14	12	840	PROD, FRESH (M)	*CUMS, CORRECTED TO 1976 DATA
*2637	4520	99,0	7,2	27	40,7	09-67	01-74	3	2	160	PROD, FRESH (M)	
<b>SAMSVILLE N, EDWARDS</b>												
*1010	2930	5,0				09-54	02-59	1	1	20	PRODUCED (B)	
<b>SCHNELL, RICHLAND</b>												
3439	2988	15,0			39,5	08-68		1	1	103	PRODUCED (B)	
<b>SEMINARY, RICHLAND</b>												
*3410	3000	8,0			36,0	02-54	04-57	2	4	120	CYPRESS (B)	
<b>SESSER C, FRANKLIN</b>												
1343	2670	12,0				01-70		1	7	80	PRODUCED (B)	*ESTIMATED
1318	2600	18,0			40,0	07-64		8	18	410	PENN SD, PROD (B)	*ESTIMATED
	4375	20,0			40,0			1	2	60		
1325	2600	15,0	18,0	10	38,0	05-65		6	14	360	CYPRESS, PROD (B)	
1330	2570	10,0				10-69		1	5	60	CITY WATER (F)	*ESTIMATED 1976
	2600	6,0						3	5	80		
*1306	2690	9,0			39,4	08-58	01-70	6	6	220	LAKE, PROD (M)	
1339	2610	15,0				10-1		2	6	140	PRODUCED (B)	*ESTIMATED
<b>SHATTUC, CLINTON</b>												
410	1285	6,0			34,6	07-59		3	8	110	TAR SPR, PROD (B)	*ESTIMATED
	1436	9,0			35,0	01-64		2	2	40		
<b>SHANNEETOWN N, GALLATIN</b>												
*1416	2750	15,0			37,0	11-59	09-66	2	1	30	PENN SD (B)	
<b>SIGGINS, CLARK, CUMBERLAND</b>												
*216	404	31,0	18,0	51	36,0	12-46	01-72	92	84	459	GRAV, PROD (M)	
700	320	18,9	18,9	73	35,9	09-50		9	15	80	SURFACE (M)	
*701	600	16,0	20,3	349	30,1	12-50	12-56	2	4	14	LAKE, PROD (M)	
702	400	32,0	17,5	56	36,4	06-42		454	471	2019	GRAV, PROD (F,B*)	*SINCE 1970J +ESTIMATED
*215	450	36,0	21,5	40	33,8	04-52	01-74	30	27	135	PRODUCED (B)	*ESTIMATED SINCE 1965
707	520	30,0				09-68		1	4	90	WELL, PROD (M)	*ESTIMATED

Field, County	General information				Production and injection statistics (M bbl)						
					Water injection		Oil production		Water production		
	Project no. * = ABD. + = P. M.	Project U = Unit	Location S - T - R	Pay name	Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76	
SORENTO C, BONO	7 JACK COLE	YOUNG & VONBERG U.	PENN	32-6N-4W	+	134**	1,0*	6*	+	26**	
	* 5 JOE A. OULL	SORENTO SOUTH	LINGLE	29-6N-4W		88		4		57*	
STAUNTON W, MACOUPIN	2400 RAY E. HOWELL	DEHNE	PENN	16-7N-7W	*	16*	*	1*	*	2*	
STEWARSON, SHELBY	3800 W. L. BELDEN	CHAFFEE-HARPER-WABASH	AUX VASES	27-10N-5E		277	2351	18,9*	377**	277	2351
	3801 DONALO W. GESELL	MORT HORAN	AUX VASES	27-10N-5E		104	1921*	5,2	152*	104	1411*
			SPAR HTN								
STORMS C, WHITE	*4431 ATLAS DRILLING	HS & GP HANNA	TAR SPRIN	28-5S-10E			1000*		58		1000*
	4204 C. E. BREHM	R-B U	WALTERSBURG	12,13-6S-9E		387	3551	22,4	482		
	4438 C. E. BREHM	C.S. AUSTIN	WALTERSBURG	22-6S-9E	*	*	*	33,8*	236**	600*	4600*
	4241 JACK BROOKOVER	W. S. HANNA	PENN	28-5S-10E		34	454	2,0	30	34	389
	4240 DARCO OIL CO.	POHERDY	AUX VASES	28,33-5S-10E		10*	448*	1,2*	26*	10*	173*
	4263 JIM HALEY	STORMS POOL UNIT	WALTERSBURG	2,11-15,22-24-6S-9E		725*	127959*	30,2*	3077*	725*	78056*
			AUX VASES								
*4271 MABEE PET. CORP.		STORMS	WALTERSBURG	22-6S-9E			90				
4248 DENNIS PAINE		ALORIOGE	WALTERSBURG	12-6S-9E		200*	6206*	6,2*	312*		
			AUX VASES								
4380 DENNIS PAINE		TRAINOR	TAR SPRINGS	23-6S-9E	+	680**		8,6*	84*	+	680**
*4296 BERNARD PODOLSKY		MCQUEEN	DEGONIA	32-5S-10E			1873		210		721
			CLORE								
4415 SO. TRIANGLE CO.		STORMS UNIT (WILSON)	WALTERSBURG	22-6S-9E		625*	5064*	39,9*	551*	525*	1784*
4234 SUN OIL CO.		S STORMS EXTENSION	WALTERSBURG	12,13-6S-9E		778	9894	33,1	623	880	6904
4399 SUN OIL CO.		N STORMS EXT COOP	WALTERSBURG	1,12-6S-9E/6-6S-10E		1482	16754	39,0	946	1330	14300
			TAR SPRINGS								
			AUX VASES								
*4295 TAMARACK PET.		HANNA	CLORE	32-5S-10E			1754		322*		815*
*4327 TAMARACK PET.		CALVERT	CLORE	32-5S-10E			402		2		19
4366 TAMARACK PET.		HANNA "A"	RIEHL	29-5S-10E		60	790	2,4	73	53	613
*4372 TAMARACK PET.		HANNA	RIEHL	32-5S-10E			424		*		*
4285 TARTAN OIL CO.		FERGUSON-RUODLPH	PENN	22-5S-10E		12*	442*	1,1*	14*	12*	210*
STRINGTOWN, RICHLAND											
*3411 N. C. DAVIES		STRINGTOWN	STE GEN	31-5N-14W			257		19		289
*3412 HELMERICH, PAYNE		STRINGTOWN WF	STE GEN	31-5N-14W			171		5		57
*3413 SKELLY OIL CO.		PETER VON ALHEN	STE GEN	31-5N-14W			324		59		242
SUMPTER E, WHITE											
4381 DEE DRILLING		BOND-HENDERSON	OHARA	20,29-4S-10E		50*	1137*	3,0*	58*	50*	622*
4420 DEE DRILLING		W CROSSVILLE S UNIT	OHARA	20,29,30-4S-10E		350*	2670*	19,1*	140**	350*	1210*
*4408 EAGLE SUPPLY CO		CARMI	AUX VASES	12-5S-9E			787**		292*		336*
			SPAR HTN								
4231 T. W. GEORGE EST.		SUMPTER E	AUX VASES	29,31,32-4S-10E/ 5,6-5S-10E		24	3930	7,5	308	47	1162
4425 HERTZING PROO. CORP.		CHERRY SHOALS UNIT	CYPRESS	17,20,21-4S-10E		48*	905*	2,6*	46**	48*	615*
4424 SLAGTER PRODUCING		W CROSSVILLE U	OHARA	20,29-4S-10E		250*	3175*	14,2*	174**	225*	1730*
SUMPTER N, WHITE											
4421 SHAKESPEARE OIL		SUMPTER NORTH U	AUX VASES	20,29-4S-9E		168	1910	6,9	137	91	617
4423 WARRIOR OIL CO.		MORRILL	AUX VASES	21-4S-9E		24	102	7,3	77	24	102
SUMPTER S, WHITE											
4430 FRMERS PETR COOP		SOUTH SUMPTER	TAR SPRINGS	34,35-4S-9E/ 2,3-5S-9E		275	356	24,4	98	40*	69*
4437 W. C. HCBRIOD		JOSEPH JACORS	TAR SPRINGS	34-4S-9E		76	258	3,9	12	44	125
*4345 SO. TRIANGLE CO.		SUMPTER SOUTH UNIT	AUX VASES	2,3-5S-9E			859		81		371
*4346 SO. TRIANGLE CO.		SUMPTER NORTH UNIT	AUX VASES	34,35-4S-9E			642		44		214
TAMAROA, PERRY											
3100 ILL. LSE. OP.		TAMAROA	CYPRESS	14,23-4S-1W		78*	2681*	4,6*	114*	78*	1929*
TAMAROA S, PERRY											
3101 N. A. BALDRIOGE		BAGWELL	CYPRESS	28-4S-1W		40*	619*	2,7*	39*	40*	619*
THACKERAY, HAMILTON											
1551 HARATHON OIL CO.		THACKERAY 3-A	AUX VASES	10,11,15-5S-7E		535	12703	8,9	962	480	8207
1570 ROYALCO, INC.		W THACKERAY UNIT	AUX VASES	9,16-5S-7E		300*	2036*	13,3*	881*	300*	1324*
THOMPSONVILLE E, FRANKLIN											
*1302 C. E. BREHM		E THOMPSONVILLE	AUX VASES	12-7S-4E/ 7-7S-5E			362		136		1417
THOMPSONVILLE N, FRANKLIN											
*1305 BARBARA BRAGASSA		THOMPSONVILLE U	AUX VASES	10,15-7S-4E			1032*		125*		80*
1331 OUNCAN LSE+ROY		N THOMPSONVILLE U	AUX VASES	10-7S-4E		63	731	14,8	82		
*1304 FAIRFIELD SALV.		THOMPSONVILLE U	AUX VASES	3,9,10-7S-4E			1786		381		360
*1303 HUMBLE O AND R		N THOMPSONVILLE U	AUX VASES	3,9,10-7S-4E			2211		365		600
TONTI, MARION											
2634 LEIDERMAN ESTATE		TONTI FLOOD PROJ	HCCLOSKEY	33-3N-2E		150*	1560*	20,5*	194*	150*	2772*
2621 TEXACO, INC.			SENOIST			1270	11900**	66,1*	534**	2428	18722**
			AUX VASES								
			SPAR HTN								
*2622 TEXACO, INC.		H. HCHACKIN	SPAR HTN	34-3N-2E			109		1		109
2609 SAHUEL C. WILSON		BRANCH	SENOIST	4-2N-2E		150*	3141*	5,3*	198**	150*	2972*
			HCCLOSKEY								
TRUMBULL C, WHITE											
4362 ABSMER OIL CO		TRUMBULL	CYPRESS	24-5S-8E, 18-5S-9E		25*	3398*	1,8*	272*	25*	356*
4297 AUTUMN OIL CO		R. SIMONS	CYPRESS	25,26-5S-8E		150*	641*	10,6*	53*	150*	610*
4301 AUTUMN OIL CO		SEVEN MILE FLATS	OHARA	23,24-5S-8E		20*	733*	1,3*	45*	20*	552*
4367 COY OIL CO		TRUMBULL U	AUX VASES	13,14,23-5S-8E		650*	3602*	43,1*	430*	480*	1392*
			OHARA								
4429 DEE DRILLING		460-SOUTH	AUX VASES	14-5S-8E	+	+	+	2,9*	36*	90*	510*

Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity ('API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
<b>SORENTO C, BOND</b>												
7	592	14.0	17.6	175	33.0	11-69		4	2	70	PENN SAND (B)	*EST 72,73,76; *INACTIVE 74-76
* 5	1850	4.5	12.2	50	38.0	10-62	10-64	1	3	50	PENN SD, PROD (B)	*1964 DATA ESTIMATED
<b>STAUNTON W, MACDOUPIN</b>												
2400	490	10.0			32.0	05-60		2	7	40	PRODUCED (B)	*NO DATA SINCE 1962
<b>STEWARSON, SHELBY</b>												
3800	1750	20.0				09-59		1	17	160	PRODUCED (B)	*EST *INCL PRIM PROD
3801	1950	9.0				06-62		3	4	70	PRODUCED (B)	*ESTIMATED
	2035	10.0						2	2	40		
<b>STORMS C, WHITE</b>												
*4431	2350	15.0				06-58	12-71	2	8	100	PRODUCED (B)	*ESTIMATED
4204	2250	20.0				03-66		5	5	100	PENN SD, PROD (B)	
4438	2260	14.0				10-67		* 4	4	40		*ADJ TO ACTIVE WF, *ESTIMATED
4241	1319	9.0			28.0	04-63		1	1	20	TAR SPR, PROD (B)	
4240	2750	12.0	16.5	54	36.0	06-66		4	2	80	SH SD, PROD (M)	*ESTIMATED
4263	2240	10.0	19.0	250	34.0	03-56		73	41	1100	RIVER, PROD (M)	*ESTIMATED
	2980	15.0				01-64		17	18	350		
*4271	2240	15.0				07-51	06-53	1	2	40	PENN SD, PROD (B)	
4248	2275	15.0	18.4	173		06-64		3	3	75	PURCHASED (M)	*ESTIMATED
	2990	16.0	17.1	47				3	3	60		
4380	2250	12.0				03-69		1	7	90	PRODUCED (B)	*DATA EST; *INJECTION SUSP 1975
*4296	2550	6.0				06-60	01-66	5	5	100	SH SD, PROD (M)	
	2580	12.0						6	7	150		
4415	2250	22.0	19.5	225	34.8	07-67		5	12	200	PENN SD, PROD (M)	*ESTIMATED
4234	2250	19.0				07-66		9	11	280	RIVER GRAV, PROD (M)	
4399	2290	20.0	20.0	200	38.0	06-64		14	15	300	PENN SD, PROD (M)	
	2390	10.0	18.5	100				2	2	40		
	2980	15.0	18.0	30				13	14	280		
*4295	2100	10.0	18.0	150	34.8	08-60	01-71	3	3	120	PENN SD, PROD (B)	*INCL 4372
*4327	2100	10.0	18.0	150		08-60	12-64	1	1	20	SH SD, PROD (M)	
4366	1830	7.0	18.6	170		02-68		3	3	70	PRODUCED (B)	
*4372	1826	14.0	20.1	289	34.8	12-62	09-71	3	3	40	SH SD, PROD (M)	*INCL WITH 4295
4285	1480	27.0	20.0	200	34.0	12-68		3	1	40	SH SD (F)	*ESTIMATED
<b>STRINGTOWN, RICHLAND</b>												
*3411	3000	10.0	18.0			12-53	09-58	2	3	80	TAR SPRINGS (B)	
*3412	3026	7.0			38.0	10-54	12-57	2	2	70	CYPRESS, PROD (B)	
*3413	3002	12.0			36.0	12-53	12-63	1	2	80	PENN SD, PROD (B)	
<b>SUMPTER E, WHITE</b>												
4381	3140	18.0				02-66		3	7	70	PENN SD, PROD (B)	*ESTIMATED
4420	3150	11.0				04-70		3	12	220	GRAVEL & PROD (M)	*EST *INCL PRIM
*4408	3090	15.0				07-65	01-76	3	3	50	RIVER GRAV, PROD (M)	*INJ TERMINATED 1974; *ESTIMATED
	3165	8.0					12-66	1	1	20		
4231	3020	20.0	19.7	57	37.0	10-65		4	12	395	RIVER GRAV, PROD (M)	
	3100	10.0	10.5	15	37.0			4	7	140		
4425	2830	25.0				04-67		2	10	150	SH SD, PROD (M)	*EST *INCL PRIM
4424	3170	10.0				06-67		3	8	140	PENN SD, PROD (B)	*EST *INCL PRIM PROD
<b>SUMPTER N, WHITE</b>												
4221	3170	10.3				06-66		5	7	180	SH SD, PROD (M)	
4423	3175	20.0				11-58		1	3	40	PRODUCED (B)	
<b>SUMPTER S, WHITE</b>												
4430	2550	6.5	15.4	55	34.7	11-72		3	4	80	ONE WATER SUP WELL (F)	*ESTIMATED
4437	2550	10.0				3-74		2	1	20	PRODUCED (B)	
*4345	3240	10.7	19.0	55	36.2	09-63	07-70	5	4	100	SH SD, PROD (M)	
*4346	3240	11.7	19.0	55	36.2	10-63	07-70	4	3	70	PENN SD (F)	
<b>TAMAROA PERRY</b>												
3100	1140	10.0	24.3	349	31.5	12-61		3	4	180	POND, PROD (M)	*ESTIMATED
<b>TAMAROA S, PERRY</b>												
3101	1125	12.0			27.6	01-62		1	4	60	PRODUCED (B)	*ESTIMATED
<b>THACKERAY, HAMILTON</b>												
1551	3368	15.0	24.0	270		04-64		9	6	420	CYP, PROD (B)	
1570	3350	16.0	20.3	174	39.2	12-69		3	6	120	CYPRESS (B)	*ESTIMATED 1976
<b>THOMPSONVILLE E, FRANKLIN</b>												
*1302	3200	18.0	21.1	98	38.0	07-54	01-71	3	3	60	PRODUCED (B)	
<b>THOMPSONVILLE N, FRANKLIN</b>												
*1305	3120	16.0	19.5	50	38.6	03-54	01-64	7	3	176	LAKE, PROD (M)	*NO DATA SINCE 1962
1331	3100	15.0				11-68		2	6	120	PENN SD, PROD (B)	
*1304	3020	15.0	21.0	115	37.0	01-56	12-64	7	7	236	LAKE, PROD (M)	
*1303	3075	25.0	22.0	170	37.5	10-55	04-62	5	5	100	CYP, PROD (B)	
<b>TONTI, MARION</b>												
2634	2152	10.0			36.0	02-67		1	4	50	PRODUCED (B)	*ESTIMATED SINCE 1970
2621	1940	18.0				05-75		2	3	80		*INCL ALL DAYS
	2010	20.0			36.0	05-75		2	4	120		
	2110	8.0	17.3	169		02-64		3	3	140		
	2140	18.0	14.1	196		02-64		6	3	140		
*2622	2108	8.0	17.3	169	36.0	03-64	12-65	1	2	30	PRODUCED (B)	
2609	1950	6.0			36.2	04-59		2	3	60	PRODUCED (B)	*EST; *INCL PRIM PROD SINCE 4-59
	2122	7.0						1	2	40		
<b>TRUMBULL C, WHITE</b>												
4362	2848	12.0	16.0	40	35.0	11-62		6	4	180	SH SD (F)	*ESTIMATED
4297	2800	8.0				06-65		1	2	30	PRODUCED (B)	*ESTIMATED
4301	3140	8.0				01-66		2	7	20	PRODUCED (B)	*ESTIMATED
4367	3150	11.0	18.0		38.4	01-71		6	19	300	SAND (M)	*ESTIMATED
	3200	16.0						1	5	60		
4429	3120	15.0				10-69		* 3	3	50		*ESTIMATED *ADJ TO A.V.WF



Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	
<b>TRUMBULL C, WHITE</b>												
CONTINUED												
*429	3230	8,0						1	2	30		
*336	3283	5,0	12,8	136	37,0	11-61		*	1	40	TAR SPR, PROD (B)	*O.F., UNKNOWN *ESTIMATED
<b>TRUMBULL N, WHITE</b>												
*4406	3320	10,0			36,0	09-65	09-66	1	1	20	CYPRESS (B)	
	3468	7,0						1	1	40		
<b>VALIER, FRANKLIN</b>												
1324	2670	8,0			39,2	11-64		1	1	70	PRODUCED (B)	*ESTIMATED; *INCL PRIM PROD
<b>WALPOLE, HAMILTON</b>												
1532	3200	15,0	22,1	190	39,0	07-62		4	4	160	PENN SO, PROD (B)	*ESTIMATED
*1518	3100	15,4	18,3	106	36,2	12-60	04-69	14	19	1640	PENN SO, PROD (B)	
*1546	3100	17,0	15,4	18	36,7	09-63	01-69	4	3	160	PENN SD, PROD (B)	
1573	3200	12,0	12,0		37,6	03-73		4	3	280	PROD SUPPLY (B)	
	3250	18,0	10,0					4	3			
*1517	3180	18,0	20,3	134	37,4	01-60	09-66	4	3	80	PENN SD, PROD (B)	*EST FOR 1964-1966
<b>WAMAC, CLINTON, MARION, WASHINGTON</b>												
*2610	765	18,0	21,3	220	35,0	05-54	10-65	6	15	120	CITY WATER (F)	
*2611	750	20,0	20,3	183	30,0	07-57	12-60	6	13	50	CITY WATER (F)	
<b>WAMAC W, CLINTON</b>												
4021	1300	7,5				11-66		1	5	70	PRODUCED (B)	*EST, *INCL, PRIM PROD SINCE 1966
414	1450	18,6				11-62		5	9	140	LAKE, PROD (M)	*INCL PRIM PROD SINCE 11-62 *EST
418	1290	8,8				10-65		3	6	90	PENN SO, PROD (B)	*ESTIMATED
<b>WEST FRANKFORT C, FRANKLIN</b>												
*1307	2760	10,0	15,0	205	38,0	07-59	12-72	1	2	60	PRODUCED (B)	*ESTIMATED SINCE 1967
	2845	7,0						1	2	60		
*1301	2050	31,3	17,1	155	40,3	11-57	07-65	6	6	141	CYPRESS, PROD (B)	
*1308	2050	12,1			40,1	09-59	12-63	4	3	70	CYPRESS, PROD (B)	
1313	2730	12,0			38,0	09-62		2	1	120	LAKE, PROD (M)	*INACTIVE, SWD ONLY 1973-76
*1322	2750	12,0			38,0	08-65	12-73	2	2	70	PENN SO, PROD (B)	
1333	2050	40,0			38,0	02-71		3	23	60	LAKE & PROD (M)	
1342	2735	40,0			38,0	12-76		1	6	60	LAKE (F)	*EST
1336	2720	8,0				10-71		1	3	40	LAKE (F)	*ESTIMATED 1976
*1340	2750	11,0				11-66	10-72	4	10	210	PRODUCED (B)	*ESTIMATED-NO DATA RECEIVED
*1315	2060	10,0	17,1		38,0	08-62	12-67	2	3	70	PRODUCED (B)	
<b>WEST SEMINARY, CLAY</b>												
* 346	2970	9,0	19,0		37,2	03-64	12-68	15	8	290	PENN SO, PROD (B)	
	3080	9,0						4	5	180		
<b>WESTFIELD, CLARK, COLES</b>												
221	2350	60,0	4,0		39,0	01-75		13	37	1000		
* 231	250	20,0	20,0	250	25,0	02-64	04-64	2	1	10	CITY WATER (F)	*ONE TON OF STEAM, STEAM SOAK
* 200	290	15,0	19,0	17	34,0	01-66	03-70	20	9	30	GRAVEL BED (F)	
* 222	270	25,0	17,9	153	28,1	06-50	04-61	9	12	20	GRAVEL BED (F)	
* 502	320	35,0	21,5	86	29,0	06-51	12-62	30	14	60	LAKE, PROD (M)	
224	340	60,0			34,8	03-67		6	5	40	CARPER, WELL (M)	*NO DATA SINCE 1968
<b>WESTFIELD E, CLARK</b>												
206	370	20,0	22,0	400	34,9	01-66		4	10	60	PRODUCED (M)	*ESTIMATED
<b>WHITTINGTON, FRANKLIN</b>												
1337	2500	8,0				10-71		1	5	60	LAKE, PROD (M)	
	2810	8,0						2	9	160		
	2900	5,0						2	9	160		
1329	2300	10,0				09-67	12-68	1	1	40	LAKE, PROD (M)	*ESTIMATED 1976
	2530	10,0				07-64		3	3	50		
1338	2530	10,0				12-71		2	4	60	PRODUCED (B)	*ESTIMATED
1341	2300	10,0				07-72		4	12	180	PRODUCED (B)	*ESTIMATED
1334	2300	10,0				08-71		3	6	90	PRODUCED (B)	*ESTIMATED 1976
	2500	8,0						3	6	90		
<b>WHITTINGTON W, FRANKLIN</b>												
*1312	2675	10,0	13,0	13	38,0	02-61	05-67	7	8	270	PENN SO, PROD (B)	
<b>WILBERTON, FAYETTE</b>												
1246	3250	25,0				10-65		18	33	1000	BENOIST, PROD (B)	*EST *INCL PRIM PROD
<b>WILLIAMS C, JEFFERSON</b>												
2019	2555	11,0	17,6	50	37,0	10-64		2	3	119	PENN SO, PROD (B)	*PARTIAL WF SINCE 1-53
												DATA SINCE 10-64; *ESTIMATED
2028	2500	7,0				06-67		1	1	20	PRODUCED (B)	*ESTIMATED
	2550	10,0						1	1	20		
<b>WOBURN C, BONO</b>												
* 4	1006	14,0				09-51	08-56	1	4	30	PRODUCED (B)	
3	2260	20,0			35,5	11-67		1	2	40	PRODUCED (B)	*TEHP ABO 1972-75; *ESTIMATED 76
<b>WOODLAWN, JEFFERSON</b>												
2005	1760	10,0				09-68		2	5	20	PRODUCED (B)	
2024	1950	17,0				10-64		1	3	40	PRODUCED (B)	
*2023	1790	10,0	14,0	225	35,9	03-64	12-65	1	2	40	PRODUCED (B)	*OISC AS WF, SWD ONLY
	1950	27,0						1	2	40		
<b>YORK, CLARK, CUMBERLAND</b>												
* 706	556	11,0	17,8	80	33,8	06-61	12-63	1	2	30	PENN SO (B)	
* 703	590	10,0	21,9	231	30,3	10-50	12-58	3	7	15	PRODUCED (B)	

Field, County	General information				Production and injection statistics (M bbl)						
	Project no. * = ABD. + = P. M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1976	Cum. 12-31-76	Total 1976	12-31-76	Total 1976	12-31-76
ZEIGLER, FRANKLIN											
1316	V. R. GALLAGHER	BEND LEASE	AUX VASES	20-73-2E	30+	234	11.7+	236*	24+	34	
1320	V. R. GALLAGHER	PLUMFIELD U	AUX VASES	13,24,25-73-1E/ 18-78-2E	192+	3782+	13.2+	1877**	175+	1653+	
ZENITH E, WAYNE											
*4090	NAPCO	DURKEE	SPAR MTN	4-1N-6E		390		71		511	
ZENITH N, WAYNE											
*4150	T. W. GEORGE EST.	ZENITH N MCGREW	SPAR MTN	21-2N-6E		112		9		130	
*4137	MOBIL OIL CORP.	ZENITH N FIELD U	SPAR MTN	21-2N-6E		501		58		206	



Field, County Project no.	Reservoir statistics (avg. value)					Development as of 12-31-76				Injection water			Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source: SD = Sand GRAV = Gravel PROD = Produced SH = Shallow	Type: (F) = Fresh (B) = Brine (M) = Mixed	
ZEIGLER, FRANKLIN													
1316	2620	12,0	21,5	75	38,9	10-68		1	2	40	PENN SAND, PROD, (B)		*INCL PRIM PROD SINCE 10-68 *EST
1320	2650	15,0	21,5	75	38,9	02-65		6	16	380	PENN SD, PROD (B)		*SINCE POOL DISCOVERY 7-12-63 *ESTIMATED 1976
ZENITH E, WAYNE													
*4090	3180	8,0				02-67	12-72	2	10	20	PRODUCED (B)		
ZENITH N, WAYNE													
*4150	3100	15,0	14,0		38,0	08-68	12-70	2	5	90	PENN SD (B)		
*4137	3100	12,9	15,3		38,0	03-59	02-68	2	4	140	CYP, PROD (B)		

TABLE 12. Illinois waterfloods for 1976 by counties

County	Number of active projects	Number of abandoned projects	Wells		Acres in waterflood projects*		Water injection (M bbl)		Oil production (M bbl)		Water production† (M bbl)	
			Water input	Producers	Subject to injection	Total productive	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**
Bond	4	3	19	27	360	560	87	2,228	12.1	190	87	1,341
Christian	7	0	48	99	2,600	4,660	1,626	39,925	160.1	5,126	1,336	19,680
Clark	8	20	595	587	4,939	12,437	1,070	199,018	53.4	9,416	582	80,259
Clay	44	40	503	728	20,998	23,008	11,220	256,741	576.0	25,684	9,073	147,524
Clinton	15	6	295	370	7,284	7,550	4,437	80,031	219.6	17,055	3,897	149,185
Coles	11	13	193	258	5,595	5,825	1,481	70,434	68.6	5,585	1,481	34,625
Crawford	60	47	1,641	1,937	23,725	29,399	23,632	973,596	806.4	55,626	20,474	510,609
Cumberland	5	3	474	510	2,448	2,479	2,681	108,948	114.4	13,813	2,702	23,439
Douglas	0	3	34	56	1,220	1,310	0	12,532	0.0	1,631	0	1,977
Edgar	5	0	7	37	330	310	363	2,478	62.6	558	363	2,478
Edwards	22	16	133	256	6,786	7,575	4,270	108,267	226.4	12,721	3,384	63,819
Effingham	18	4	108	209	4,545	5,123	4,326	64,996	277.3	7,461	3,175	40,942
Fayette	47	8	1,728	1,833	40,013	40,769	57,043	1,388,449	2,225.1	184,406	49,168	907,628
Franklin	28	15	266	370	9,693	10,584	4,457	282,935	291.3	30,869	3,482	192,654
Callatin	28	26	423	574	11,369	12,456	4,080	144,730	288.5	20,619	3,222	56,182
Hamilton	28	48	656	818	27,176	27,811	14,852	465,611	434.6	36,699	14,925	286,796
Jasper	13	15	152	302	10,617	11,270	4,678	94,950	328.7	7,237	3,454	44,027
Jefferson	16	13	124	205	9,500	9,853	5,844	193,628	338.1	25,147	4,976	129,409
Lawrence	92	27	2,484	2,806	29,098	31,447	40,604	911,874	2,737.7	98,843	37,428	630,799
Macon	0	1	1	2	80	80	0	6	0.0	0	0	4
Macoupin	1	0	2	7	40	40	0	16	0.0	1	0	2
Madison	7	3	42	71	1,722	2,544	1,144	16,188	43.1	1,071	987	10,498
Marion	28	11	516	601	32,957	41,237	99,627	1,928,483	2,723.2	124,983	89,263	1,356,248
Montgomery	0	1	2	2	20	40	0	38	0.0	6	0	15
Perry	2	0	4	8	240	320	118	3,300	7.5	153	118	2,548
Richland	24	24	225	395	16,680	16,750	9,540	253,751	303.5	15,920	8,654	600,227
Saline	16	11	106	194	4,250	4,750	5,303	81,093	166.2	7,576	2,377	32,625
Shelby	3	0	9	28	600	630	416	4,768	25.7	863	416	4,268
Wabash	81	60	823	1,063	20,453	22,962	10,755	335,674	634.2	40,039	8,165	153,095
Washington	22	2	77	206	3,759	4,026	4,793	83,828	271.3	10,482	4,145	77,080
Wayne	80	56	972	1,235	56,908	61,601	23,820	660,761	1,088.5	57,996	17,664	338,716
White	141	100	1,927	2,417	53,463	59,179	35,067	897,513	2,228.4	93,920	26,859	470,479
Williamson	5	0	11	32	999	1,149	725	3,394	98.2	729	364	523
TOTALS	857	576	14,600	18,243	410,467	459,734	378,059	9,670,184	16,810.7	912,425	322,221	5,969,701

\*Acreage data are incomplete in a few counties.

\*\*Projects not reporting in 1976 are included as of last reporting date.

†Not all projects reported produced water.

‡Includes 1 active pressure maintenance project.

††Includes 1 abandoned pressure maintenance project.

TABLE 13. Illinois oil fields having active waterfloods during 1976

Field	Number of active projects	Number of abandoned projects	Wells		Acres in waterflood projects*		Water injection (M bbl)		Oil production (M bbl)		Water production+ (M bbl)	
			Water input	Pro-ducers	Subject to injection	Total in production	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**
Aden C	2	2	41	37	3,380	3,940	468	48,734	24.0	3,280	468	32,756
Akin	4	1	11	29	510	510	83	3,508	7.2	498	43	733
Albion C	19	10	121	221	5,120	5,714	4,058	107,430	166.3	12,211	2,906	61,722
Albion E	1	0	6	18	420	420	145	710	47.8	201	145	670
Allendale	17	19	130	175	2,693	3,133	1,459	83,342	72.3	6,881	808	30,049
Ashley	1	0	4	14	180	180	190	3,670	9.8	240	190	3,670
Ashley E	1	0	2	4	60	60	75	775	4.9	50	75	775
Assumption C	5	0	27	49	1,670	1,930	1,122	38,050	58.8	4,865	832	18,173
Barnhill	2	5	36	52	900	1,050	0	16,477	2.3	2,013	14	3,829
Bartelso	1	2	22	27	320	320	65	6,694	3.8	1,145	65	4,673
Beaucoup	1	0	3	2	280	367	18	1,173	1.0	15	18	650
Beaucoup S	2	0	8	11	257	257	634	9,311	12.9	454	409	7,741
Beaver Creek	1	1	2	5	60	90	17	396	1.2	39	17	279
Beaver Creek S	2	0	4	15	180	180	150	2,077	10.4	290	150	2,031
Bellaire	2	1	106	130	717	747	595	94,776	28.8	2,656	595	41,777
Belle Prairie	1	0	1	3	80	80	60	960	3.7	64	60	960
Beman	1	1	6	9	280	280	70	1,126	7.4	62	70	811
Benton	2	0	105	53	3,390	3,390	1,546	228,306	48.3	21,134	1,265	166,946
Benton N	2	1	30	47	910	1,100	55	8,317	3.9	1,316	73	3,956
Berryville C	1	2	4	6	241	320	220	1,542	8.0	395	180	830
Bone Gap C	2	0	2	12	220	270	159	3,117	11.5	591	159	2,799
Boyd	2	0	7	18	2,133	2,133	300	76,627	10.0	4,311	300	46,629
Brown	1	0	1	3	40	40	22	498	2.6	39	11	440
Browns	3	0	23	26	930	950	180	5,422	29.0	693	144	1,635
Browns E	1	3	31	33	673	1,010	80	5,035	0.7	1,507	40	1,705
Bungay C	7	5	53	91	2,510	2,640	768	42,983	45.1	3,999	781	28,128
Calhoun S	1	0	1	3	20	200	50	562	10.0	143	50	262
Carlyle N	1	0	1	7	80	100	60	938	3.5	91	60	361
Carmi	1	0	1	2	60	60	25	270	2.5	76	25	174
Centerville	1	1	2	2	40	40	10	402	0.5	16	10	144
Centerville E	4	1	98	104	2,161	2,161	894	36,879	51.1	3,571	894	26,887
Central City	1	0	1	5	60	60	32	305	2.2	24	32	305
Centralia	5	2	218	226	4,704	4,824	2,885	41,363	104.2	12,071	2,410	122,610
Clay City C	95	49	1,109	1,565	64,008	67,865	32,853	732,907	1,478.9	58,373	24,226	428,612
Coil	2	0	9	8	330	330	428	5,837	54.2	1,087	358	2,566
Coil W	1	2	9	13	285	310	120	2,462	8.1	277	56	1,126
Concord C	3	11	61	73	1,673	1,910	135	23,852	13.3	2,432	139	13,025
Cordes	2	0	20	30	1,115	1,115	1,026	31,566	63.6	6,533	1,023	34,934
Corinth	1	0	1	4	90	180	72	87	9.4	21	0	0
Dale C	18	36	544	687	21,536	21,751	12,881	382,827	339.2	27,873	12,988	233,990
Deering City	1	0	1	4	50	50	30	479	1.9	118	30	399
Divide C	4	1	21	39	1,455	1,455	2,570	31,707	63.9	1,850	1,888	21,715
Dubois C	3	1	10	30	380	500	200	2,435	12.4	268	200	1,776
Dudley	5	0	7	37	330	310	363	2,478	62.6	558	363	2,478
Edinburg W	1	0	5	20	230	230	4	1,055	11.3	144	4	687
Eldorado C	6	4	43	70	2,090	2,260	2,225	50,438	90.6	4,422	1,164	20,383
Energy	1	0	1	9	130	130	360	587	9.6	68	360	488
Exchange N C	1	0	4	9	280	280	344	2,338	9.5	459	140	852
Exchange W	1	0	2	10	150	150	68	838	12.2	149	26	289
Frogtown N	1	0	3	8	140	140	0	0	10.1	65	0	0
Gard's Point	2	0	2	11	220	260	205	1,105	16.2	107	205	870
Germantown E	1	0	2	13	300	300	172	4,323	12.0	1,201	172	4,323
Goldengate C	4	12	127	119	4,569	4,910	451	33,712	37.2	2,846	451	12,836
Goldengate N C	1	0	4	5	100	100	93	663	5.8	84	46	170
Half Moon	2	0	13	19	1,110	1,360	357	12,382	20.9	912	251	5,114
Harco	2	0	8	16	310	310	412	3,852	20.5	274	380	1,827
Herald C	14	10	108	165	3,541	4,421	1,674	37,617	126.6	4,777	1,326	15,207
Hill E	2	1	5	27	380	380	40	8,340	3.7	499	40	6,255
Hord	1	0	2	3	50	70	14	172	2.2	37	14	107
Ingraham	1	1	10	22	437	692	34	2,640	8.4	830	2	1,547
Inman E C	5	5	201	225	4,330	4,465	605	61,582	41.8	9,743	625	18,413
Inman W C	13	6	113	141	2,740	2,870	1,404	28,861	97.6	2,917	1,032	14,237
Iola C	9	3	124	188	3,490	3,510	3,967	56,917	176.0	3,659	2,888	36,940
Irvington	6	0	14	74	970	1,010	1,531	18,360	83.0	1,538	1,531	17,805
Iuka	1	0	1	3	270	270	0	0	5.4	92	23	462

128 TABLE 13. Illinois oil fields having active waterfloods during 1976 - continued

Field	Number of active projects	Number of abandoned projects	Wells		Acres in waterflood projects*		Water injection (M bbl)		Oil production (M bbl)		Water production† (M bbl)	
			Water input	Pro-ducers	Subject to injection	Total in production	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**
Johnson N	2	4	136	140	764	1,045	390	33,967	19.3	2,469	390	21,830
Johnson S	2	2	92	104	1,343	1,343	220	114,361	11.9	3,261	60	33,211
Johnsonville C	6	2	118	143	12,200	12,460	6,188	166,886	290.9	14,239	6,184	105,031
Johnsonville W	2	2	11	19	520	620	425	6,182	23.8	856	293	2,436
Johnston City E	2	0	8	15	260	320	289	2,685	71.2	502	0	0
Johnston City NE	1	0	1	4	519	519	4	35	8.0	138	4	35
Junction E	1	0	2	4	80	80	110	695	5.7	51	110	501
Junction N	1	0	1	3	40	70	10	466	0.6	28	10	39
Keensburg S	2	1	9	14	280	450	410	6,125	25.3	546	386	3,353
Kincaid C	1	0	16	30	700	2,500	500	820	90.0	117	500	820
King	2	2	8	14	360	360	118	3,515	12.1	394	118	2,027
Lancaster	3	0	27	45	840	1,015	336	7,496	24.9	1,890	245	2,097
Lancaster S	1	0	2	6	80	80	22	633	1.2	117	22	276
Lawrence	56	18	2,410	2,708	27,005	29,035	39,805	890,784	2,668.7	96,235	36,689	619,255
Lawrence W	1	1	12	19	447	447	150	1,371	14.9	201	150	465
Lexington	1	0	2	1	50	280	170	2,467	7.3	61	170	635
Lillyville	1	0	3	6	160	160	130	2,161	8.6	287	65	707
Livingston S	3	0	8	22	310	310	182	2,113	13.6	214	171	1,219
Locust Grove	1	0	1	2	20	20	15	399	1.1	25	15	150
Louden	40	7	1,688	1,723	37,770	38,036	54,504	1,345,264	2,055.3	180,607	46,384	870,833
Main C	42	46	1,535	1,807	23,008	28,652	23,037	878,820	777.6	52,970	19,879	468,832
Maple Grove C	2	3	13	30	780	870	110	2,629	5.3	428	110	1,929
Marine	1	0	3	7	240	964	280	1,804	3.2	25	280	1,736
Mason N	1	0	3	4	130	130	35	2,317	2.6	169	35	2,353
Mattoon	10	7	135	196	4,445	4,525	1,407	59,328	66.3	4,870	1,407	28,248
Mattoon N	1	0	4	9	130	130	74	1,570	2.3	160	74	1,430
Maunie N C	4	4	60	74	1,440	2,470	230	15,866	12.1	2,632	202	7,691
Maunie South C	2	4	69	64	1,444	1,450	520	24,467	47.7	3,172	521	16,416
Miletus	1	0	1	1	20	20	25	246	1.8	14	25	241
Mill Shoals	9	5	56	73	2,312	2,493	1,547	36,957	59.3	2,673	1,246	17,809
Mode	1	0	3	5	330	350	35	496	1.6	334	35	506
Montrose	1	0	1	1	40	40	0	103	0.2	11	0	9
Mt. Carmel	16	16	143	215	4,455	4,722	1,957	48,671	140.2	5,549	1,653	26,099
New Harmony C	71	41	1,050	1,252	26,394	27,330	15,344	447,371	1,113.4	60,368	12,742	219,653
New Haven C	2	3	22	31	798	1,050	75	3,960	17.4	1,365	59	896
New Memphis	1	0	3	23	580	640	715	6,735	41.8	324	715	4,415
Oakdale N	1	0	4	7	290	290	76	1,268	3.5	332	79	1,126
Oak Point	1	1	22	18	300	340	75	4,025	3.9	205	75	3,712
Odin	1	0	14	22	230	290	46	8,080	0.8	1,322	50	50
Old Ripley	1	0	10	11	110	110	10	1,218	2.4	94	10	395
Olney C	1	8	33	44	2,238	2,418	114	17,713	4.1	1,584	114	11,006
Omaha	5	2	30	86	1,731	2,198	1,467	21,737	105.9	4,661	961	11,630
Omaha W	1	0	1	7	100	100	1,983	1,703	12.7	136	280	1,778
Orchardville	1	0	1	3	40	160	24	371	5.1	106	0	0
Orient	1	0	1	3	40	40	55	378	7.9	191	20	116
Oskaloosa	1	1	15	10	596	596	45	2,223	2.6	1,352	45	4,100
Passport	3	0	8	9	605	605	48	13,899	6.5	860	51	7,754
Patoka	3	2	89	90	1,713	1,713	498	88,264	24.3	9,016	498	69,776
Patoka E	2	1	12	29	340	540	850	10,401	39.4	770	581	7,223
Patoka S	3	0	35	46	860	980	480	13,314	44.8	1,437	480	7,981
Phillipstown C	22	15	174	305	5,299	6,611	4,248	52,067	418.9	8,165	2,984	29,140
Phillipstown S	1	0	2	3	60	60	10	590	0.3	144	10	179
Raccoon Lake	1	1	6	10	290	370	157	5,557	7.9	257	425	6,257
Raleigh	1	2	22	19	440	590	85	6,947	4.9	1,278	85	1,636
Raleigh S	3	1	8	10	310	490	226	5,963	13.9	396	160	2,787
Richview	5	0	13	34	427	467	1,044	14,847	79.7	1,304	624	8,037
Rochester	3	0	17	23	400	480	571	22,999	7.1	1,515	231	7,971
Roland C	18	13	400	521	11,680	12,840	10,239	181,379	400.2	17,627	6,434	86,751
Ruark	1	0	1	2	56	100	72	828	4.4	144	72	314
Ruark W	2	1	20	19	420	420	173	6,283	9.0	738	214	3,848
St. Francisville	1	2	5	7	140	150	0	908	0.0	29	0	318
St. Jacob	3	0	18	24	852	950	682	12,063	26.3	801	536	7,543
St. James	7	1	26	83	1,443	1,753	2,315	32,220	131.0	3,048	2,260	28,041
Ste. Marie	1	3	6	29	760	820	10	4,162	1.2	311	10	849
Sailor Springs C	34	20	208	326	8,495	9,503	7,533	128,471	386.4	16,473	6,092	74,664

TABLE 13. Illinois oil fields having active waterfloods during 1976 - concluded

Field	Number of active projects	Number of abandoned projects	Wells		Acres in waterflood projects*		Water injection (M bbl)		Oil production (M bbl)		Water production† (M bbl)	
			Water input	Pro-ducers	Subject to injection	Total in production	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**	Total 1976**	Cumulative 12-31-76**
Salem C	11	2	348	367	30,862	38,827	97,520	1,838,652	2,690.1	126,507	86,116	278,521
Schnell	1	0	1	1	103	103	20	855	1.0	39	1	324
Sesser C	5	1	28	63	1,410	1,550	698	11,712	78.7	2,032	683	5,991
Shattuc	1	0	5	10	150	150	50	1,000	9.7	151	50	495
Siggins	3	3	588	605	2,797	2,928	2,551	129,932	105.6	16,225	2,637	43,572
Sorento C	1	1	5	5	120	190	0	222	1.0	10	0	83
Staunton W	1	0	2	7	40	40	0	16	0.0	1	0	2
Stewardson	2	0	6	23	270	280	381	4,272	24.1	529	381	3,762
Storms C	12	6	177	171	3,695	4,140	4,313	177,785	219.9	7,046	4,169	110,264
Sumpter E	5	1	23	60	1,185	1,230	722	12,604	46.4	1,018	720	5,675
Sumpter N	2	0	6	10	220	418	192	2,012	14.2	214	115	719
Sumpter S	2	2	14	12	270	310	351	2,115	28.3	235	84	779
Tamaroa	1	0	3	4	180	260	78	2,681	4.8	114	78	1,929
Tamaroa S	1	0	1	4	60	60	40	619	2.7	39	40	619
Thackeray	2	0	12	12	540	540	835	14,739	22.2	1,843	780	9,531
Thompsonville N	1	3	21	21	632	726	63	5,760	14.8	953	0	1,040
Tonti	3	1	18	24	660	710	1,570	16,710	91.9	927	2,728	24,575
Trumbull C	6	0	17	43	710	780	935	8,884	61.4	868	795	3,820
Valier	1	0	1	1	70	70	52	249	3.4	53	52	249
Walpole	2	3	34	35	2,320	2,380	351	27,175	32.4	3,035	277	15,066
Wamac W	3	0	9	20	300	300	415	7,713	28.5	863	350	5,955
West Frankfort C	4	6	27	61	961	1,371	626	11,020	38.4	1,455	233	6,026
Westfield	2	4	80	78	1,160	7,850	342	5,191	15.0	79	21	102
Westfield E	1	0	4	10	60	60	43	443	3.3	48	36	286
Whittington	5	0	21	55	890	890	1,027	4,438	61.9	397	884	2,957
Wilberton	1	0	18	33	1,000	1,180	289	11,736	42.1	869	589	9,025
Williams C	2	0	4	5	159	212	50	2,305	3.4	548	50	1,523
Woburn C	1	1	2	6	70	170	60	392	7.5	47	60	584
Woodlawn	2	1	5	12	140	200	625	3,437	27.4	494	613	3,130
Zeigler	2	0	7	18	420	420	222	4,016	24.9	2,113	199	1,687

\*Acreage data are incomplete in a few fields.

\*\*Projects not reporting in 1976 are included as of last reporting date.

†Not all projects reported produced water.

TABLE 14. Summary of waterflood statistics, 1949-1976

Year	No. of active projects	Water injection (M bbl)		Reported waterflood oil production (M bbl)		Estimated dump flood production (M bbl)		Total oil prod. (M bbl)	Waterflood prod. % of total prod.**	No. wells in flood projects		Subjected to inj.	Total	% of total acreage under flood	Cumulative waterflood oil recovery per acre subjected to injection	Cumulative injected water/produced oil
		Annual	Cumulative*	Annual	Cumulative*	Annual	Cumulative*			Inj.	Prod.					
1949	33	20,612	50,983	2,511	10,313	1,500	5,000	64,501	6.2	946	1,055	8,450	375,985	2.2	1,230	4.9
1950	63	44,053	99,040	3,107	13,826	1,500	6,500	62,028	7.4	1,097	1,197	14,123	397,685	3.6	979	7.2
1951	84	57,147	148,279	6,672	21,890	1,500	8,000	60,244	13.4	1,620	5,230	17,646	412,050	4.3	1,241	6.8
1952	131	72,951	221,078	8,752	29,000	2,000	12,000	60,071	17.9	2,160	5,114	31,330	425,025	7.4	926	7.6
1953	167	118,409	335,727	10,086	39,800	2,250	14,600	59,025	20.9	2,849	5,298	37,854	434,100	8.7	1,051	8.4
1954	232	176,012	512,202	15,985	55,687	2,129	17,900	67,000	27.0	3,597	6,686	59,027	500,130	11.8	943	9.2
1955	284	224,579	745,573	24,585	81,131	1,978	19,800	81,131	32.7	4,407	7,163	72,832	521,200	14.0	1,114	9.2
1956	333	271,270	1,014,900	29,600	111,700	1,700	21,500	82,314	38.0	5,307	7,687	92,350	539,315	17.1	1,210	9.1
1957	382	295,750	1,310,000	35,442	147,142	1,750	23,250	76,649	48.5	5,734	7,814	112,000	550,305	20.4	1,316	8.9
1958	443	317,153	1,606,500	40,833	187,338	2,040	25,290	80,779	53.1	6,647	8,567	122,500	562,535	21.8	1,529	8.6
1959	499	345,098	1,954,200	41,360	238,512	2,436	27,720	76,727	57.1	7,327	9,306	136,976	574,625	23.8	1,741	8.1
1960	559	376,563	2,324,200	44,789	283,862	1,750	29,470	77,341	60.2	8,062	9,855	152,823	585,045	26.1	1,857	8.2
1961	658	390,093	2,753,361	50,412	334,716	1,270	30,740	77,478	66.7	8,560	10,521	171,825	602,665	28.5	1,948	8.2
1962	717	467,318	3,144,893	49,078	379,977	1,245	31,985	78,796	63.9	8,875	10,660	186,785	612,995	30.5	2,034	8.2
1963	779	438,191	3,631,514	50,092	471,345	902	32,887	74,796	66.9	9,048	11,690	194,900	621,735	31.4	2,616	7.7
1964	848	467,691	4,099,133	47,977	520,886	660	33,547	70,168	69.3	9,731	11,497†	240,163†	629,055	45.4	1,825†	8.7
1965	938	479,347	4,526,211	43,729	531,102	500	34,047	63,708	69.4	10,091	13,651†	292,928††	635,455	46.2	1,810†	8.5
1966	929	505,583	5,281,790	43,319	612,692	200	34,247	61,982	68.3	11,194	13,912†	307,200†	641,165	47.9	1,980†	8.6
1967	896	512,808	5,745,583	43,496	666,239	None	34,247	60,115	71.6	12,893	15,427	338,100	724,600†	46.7	1,970	8.6
1968††	880	518,581	6,184,083	41,260	668,907	None	34,247	56,391	73.4	13,107	15,572	347,499	729,400	47.7	1,920	9.2
1969††	882	496,763	6,747,362	37,083	699,808	None	34,247	50,724	73.1	13,326	15,953	369,730	732,429	50.5	1,895	9.6
1970††	855	457,527	7,010,480	30,880	733,045	None	34,247	43,747	70.6	13,498	16,004	372,588	751,855†	49.6	1,967	9.6
1971††	869	442,543	7,470,871	27,758	754,602	None	34,247	39,084	71.0	13,873	16,842	388,426	756,265	51.4	1,940	9.9
1972††	873	441,963	7,926,055	25,381	793,442	None	34,247	34,874	72.8	13,610	16,657	389,365	760,555	51.2	2,038	10.0
1973††	863	413,456	8,321,161	21,655	815,650	None	34,247	30,669	70.6	13,797	16,854	392,385	763,925	51.4	2,079	10.2
1974††	862	384,015	8,839,803	19,193.2	843,757	None	34,247	27,553	69.7	13,944	17,145	395,634	769,415	51.4	2,133	10.5
1975††	870	370,472	9,184,065	17,579.9	872,405	None	34,247	26,067	67.4	14,364	17,989	399,823	774,965	51.6	2,182	10.5
1976††	854	376,589	9,420,804	16,607.9	873,310	None	34,247	26,272	62.1	14,585	18,243	405,089	783,065	51.7	2,131	10.8

\*Current volume plus previous cumulative does not equal current cumulative because of yearly revisions.  
 \*\*Waterflood oil includes estimated dump flood production. All other figures exclude dump flood production.  
 †Includes abandoned acreage with waterfloods and pressure maintenance.  
 ††Does not include pressure maintenance data.

Illinois—Geological Survey  
Illinois Petroleum  
no. 112: Petroleum industry  
in Illinois, 1976.  
Part I. Oil and gas developments.  
Jacob Van Den Berg.  
Part II. Waterflood operations.  
T. F. Lawry. 1977.

130 p., 2 figs., 14 tables. 28 cm.

1. Petroleum industry and trade—  
Illinois.

I. Van Den Berg, Jacob. II. Lawry,  
Thomas F. III. Title.

ISGS Library

