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Geol Survey



STATE OF ILLINOIS

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DEPARTMENT OF REGISTRATION AND EDUCATION

# SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS

R. F. Mast

ILLINOIS PETROLEUM 93

ILLINOIS STATE GEOLOGICAL SURVEY  
1970

URBANA, ILLINOIS 61801

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# SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS

R. F. MAST

## ABSTRACT

Estimates were made of the areal size in acres of pay zones in each oil field in the state as of January 1, 1968. Pay acreage under flood and the status (active or abandoned) of the flood acreage and the remaining primary acreage were also determined. In addition, average properties (depth and thickness, porosity and permeability, and oil gravity and viscosity) were given for each pay zone in each oil field.

The data show that 48 percent of the 734,400 pay acres in the state were developed for waterflood and that an estimated 59.2 percent of the remaining primary wells were still active. Distributions for the different properties based on percent of total reservoir pore volume in the state are presented for each of the 4 major producing lithologies.

## INTRODUCTION

The purpose of this paper is to bring together in a convenient form much of the data on file at the Illinois Geological Survey concerning the size, properties, and development of Illinois oil fields.

In the past 15 years, many methods have been developed to recover additional quantities of oil from petroleum reservoirs. As a result, there has been an increased demand for information regarding reservoir size and reservoir rock and fluid properties. Both the oil industry and governmental agencies seek this information to determine the effect of improving technology on the future development of known oil accumulations.

The gas storage industry in the state has also requested information for evaluation of petroleum reservoirs as potential gas storage sites.

The majority of the underground gas storage capacity now developed in the state is in aquifers. Future developments of this type may be concentrated in depleted oil fields (Buschbach and Bond, 1967, p. 18 and fig. 5).

In the past 4 years there has been increasing interest, especially by regulatory governmental agencies, in the underground disposal of wastes (Bergstrom, 1968). In the future, oil fields may also be utilized as waste-disposal sites.

It is intended, therefore, that this collection of information will serve as a useful reference to people interested in the future development of the Illinois oil industry and also to those engaged in the underground disposal and storage of liquids and gases.

## REVIEW OF THE DEVELOPMENT HISTORY OF THE ILLINOIS OIL FIELDS

The first major oil fields were discovered in eastern Illinois in shallow Pennsylvanian rocks along the LaSalle Anticline and were principally developed between 1903 and 1913. A peak in annual production of 33.1 million barrels from these "old fields" was reached in 1910. During the 1920's and 1930's, some areas of the "old fields" were subjected to gas or air repressuring, and in the 30's some small experimental or accidental waterfloods were active. However, these operations did not have any significant effect on the state's annual oil production during this period. In 1937, new drilling found production in the Mississippian rocks in the deep Illinois Basin area, and exploratory drilling in the state since 1937 has found oil in rocks ranging in age from Ordovician to Pennsylvanian.

A peak in annual oil production of 146.8 million barrels, resulting from the post-1937 discoveries, was reached in 1940. However, from 1942 to 1946, wartime restrictions curtailed new drilling and waterflood developments. In the early 1950's, the employment of both modern waterflood techniques and the hydrofracing of wells began, and the state's annual oil production rose from 59 million barrels in 1953 to over 80 million barrels in 1955. This "technological boom" stabilized the state's annual oil production at around 80 million barrels until 1963.

During the 1960's, several small experimental projects were developed in Illinois reservoirs to evaluate some new recovery methods. These projects have met with varying degrees of success. In the future, technological developments and economics will undoubtedly have a great influence on the ultimate recovery of oil already discovered in the state.

### COLLECTION OF THE DATA

All of the information presented in this report was available or was developed from data found in the files and publications of the Illinois Geological Survey. Data were collected for each pay zone in each oil field. Figure 1 illustrates the geologic column, showing the various pay zones in the state. Table 1 gives the locations of the oil fields. Howard (1967) has published oil and gas pay maps of the Illinois oil fields.

### Size

#### Total Productive Area

Estimates of the total productive area for each pay zone in each oil field were made from oil and gas maps showing the pay zone completed in each well (Howard, 1967). The productive area estimates were made by dividing each legal section into 10-acre units. Each of these units which contained a completed oil well in a given pay zone was counted as 10 acres of productive area in that pay. Any undrilled 10-acre units offset on at least two sides by production in a pay zone were also counted as 10 acres of productive area in that pay. In practice, this method of defining productive area for each pay zone could easily be applied in areas drilled on both 10- and 20-acre spacing. But in a few areas of the state (e.g., Johnsonville C.), wells were drilled on 40-acre spacing. In these areas the same technique was used, except that each well completion was considered to represent 40 acres instead of 10.

For some of the "old field" areas, well-completion data and development maps were incomplete; for these fields, maps showing productive limits for each pay were found in the literature (e.g., Squires and Bell, 1943) or in the Survey files. These maps were updated by adding the new wells drilled in the field (usually from waterflood operations). The maps were then planimetered to determine the productive areas.

#### Total Areal Acres

Estimates of the total areal or surface acres covered by each oil field were made by planimetering the maximum productive area from a map on which the productive areas of all pay zones in the field had been superimposed. These data are given in table 2. The total areal acres are given in the first column opposite the field name, the total productive area in acres in each pay zone is given in the first column opposite the pay zone name, and the sum of the pay acres in each field is given in the same column in the last line.

### Development

#### Waterfloods

To determine the development and production status of the acreage under flood in each pay zone, all pay acreage within known waterflood unit boundaries was classified as flood acreage.

## GENERALIZED GEOLOGIC COLUMN OF SOUTHERN ILLINOIS

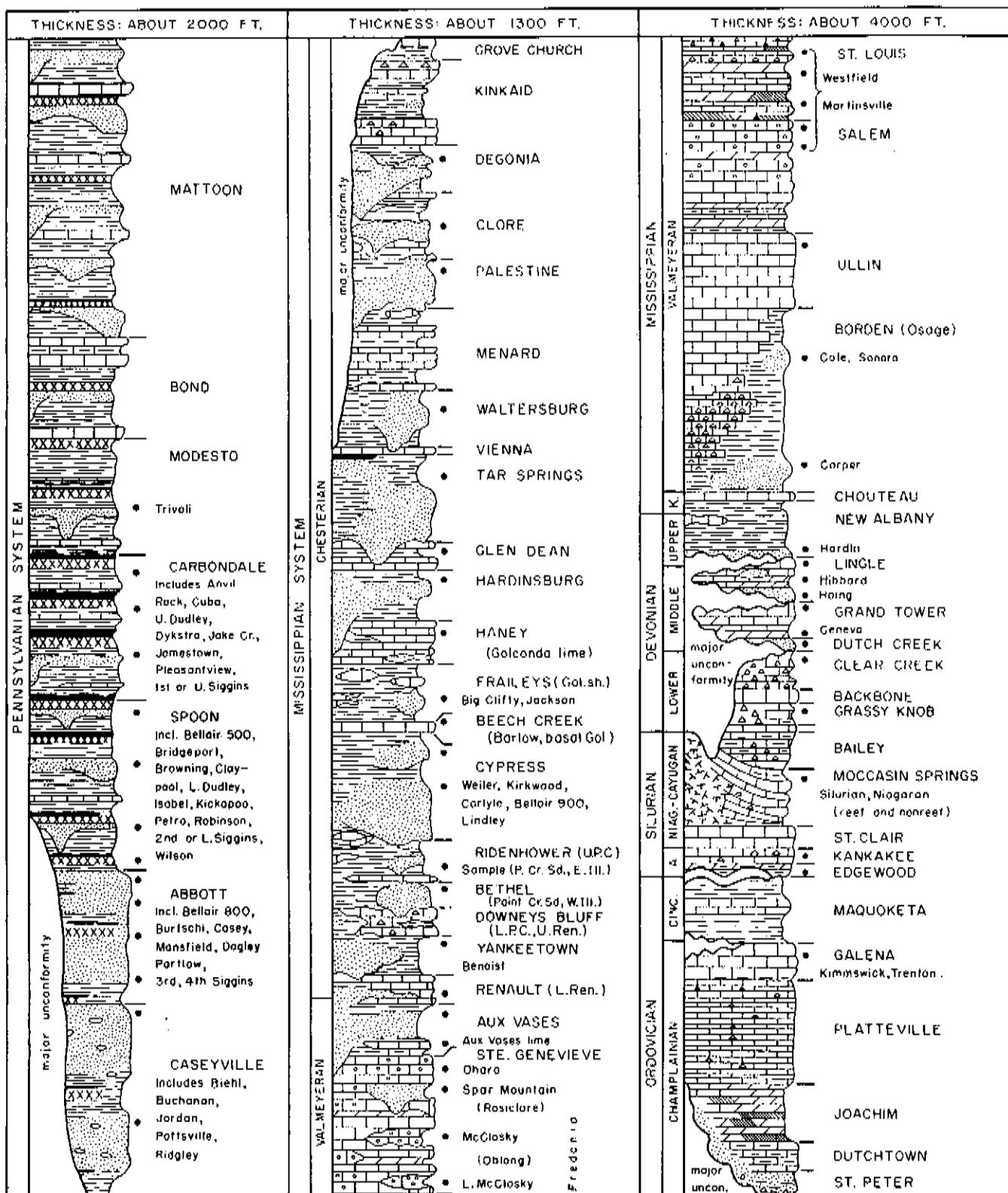


Fig. 1 - Generalized geologic column of southern Illinois. Black dots indicate oil and gas pay zones. Formation names are in capitals; other pay zones are not. About 4000 feet of the lower part of Ordovician and the upper sandstone Cambrian rocks under the St. Peter are not shown. Kinderhookian (K), Niagaran (Niag.), Alexandrian (A), and Cincinnati (Cinc.) Series are abbreviated. Variable vertical scale. (Prepared by David H. Swann)

TABLE 1 - LOCATIONS OF ILLINOIS OIL FIELDS

Name, County, Township and Range	Name, County, Township and Range	Name, County, Township and Range
Ab Lake, Gallatin, 8S, 10E	Browns, Edwards, Wabash, 1-2S, 14W	Elba, Gallatin, 8S, 8E
Ab Lake South, Gallatin, 9S, 10E	Browns E, Wabash, 1-2S, 14W	Elbridge, Edgar, 12-13N, 11W
Ab Lake West, Gallatin, 8-9S, 9-10E	Browns S, Edwards, 2S, 14W	Eldorado C, Saline, 8S, 6-7E
Aden C, Wayne, Hamilton, 2-3S, 7E	Browns S, Edwards, 2S, 14W	Eldorado C, Saline, 8S, 6-7E
Aden East, Wayne, 2S, 7E	Buckhorn, Brown, 1S, 4W	Eldorado E, Saline, 8S, 7E
Aden South, Hamilton, 3S, 7E	Buckner, Franklin, 6S, 2E	Eldorado W, Saline, 8S, 6E
Akin, Franklin, 6S, 4E	Belpit S, Christian, 13N, 3W	Elk Prairie, Jefferson, 4S, 2E
Akin West, Franklin, 6S, 4E	Bungay C, Hamilton, 4S, 7E	Elkton, Washington, 2S, 4W
Albion Gen, Edward S, 2S, 10E	Burnt Prairie S, White, 4S, 9E	Eikville, Jackson, 7S, 1W
Albion C, Edwards, White, 1-3S, 10-11E, 14W	Calhoun Gen, Richland, 2N, 10E	Ellery E, Edwards, 2S, 10E
Albion C, Edwards, White, 1-3S, 10-11E, 14W	Calhoun C, Richland, Wayne 2-3N, 9-10E	Ellery S, Edwards, Wayne, 2S, 9-10E
Albion Northwest, Edwards, 1S, 10E	Calhoun E, Richland, 2N, 10-11E	Elliottstown, Effingham, 7N, 7E
Albion West, Edwards, 3S, 10E	Calhoun N, Richland, 3N, 10E	Elliottstown E, Effingham, 7N, 7E
Allendale, Wabash, Lawrence, 1-2N, 11-13W	Calhoun S, Wayne, Richland, Edwards, 1-2N, 9E	Elliottstown N, Effingham, 7N, 7E
Alma, Marion, 4N, 2E	Carlinville, Macoupin, 9N, 7W	Energy, Williamson, 9S, 2E
Amity, Richland, 4N, 14W	Carlinville N, Macoupin, 10N, 7W	Enfield, White, 5S, 8E
Amity S, Richland, 4N, 14W	Carlinville S, Macoupin, 9N, 7W	Evers, Effingham, 8N, 7E
Amity W, Richland, 4N, 14W	Carlyle, Clinton, 2N, 3W	Evers S, Effingham, 7N, 7E
Ashley, Washington, 2S, 1W	Carlyle E, Clinton, 2N, 2W	Ewing, Franklin, 5S, 3E
Ashmore Co., Coles, 13N, 14W	Carlyle N, Clinton, 3N, 3W	Ewing E, Franklin, 5S, 3E
Ashmore S, Coles, Clark, 12N, 10-11E, 14W	Carlyle S, Clinton, 1N, 3W	Exchange, Marion, 1N, 3E
Assumption Gen, Christian, 13N, 1E	Carmi, White, 5S, 9E	Exchange E, Marion, 1N, 4E
Assumption C, Christian, 13-14N, 1E	Carmi N, White, 5S, 9E	Exchange N C, Marion, 1N, 3-4E
Assumption S, Christian, 12N, 1E	Casey, Clark, 10-11N, 14W	Exchange W, Marion, 1N, 3E
Ava-Campbell Hill, Jackson, 7S, 3-4W	Centerville, White, 4S, 9E	Fairman, Marion, Clinton, 3N, 1E, 1W
Baldwin, Randolph, 4S, 6W	Centerville E, White, 3-4S, 9-10E	Fancer, Shelby, 10N, 4E
Barnhill, Wayne, White, 2-3S, 8E	Centerville N, White, 3S, 10E	Fehr Lake, Gallatin, 9S, 10E
Bartelso, Clinton, 1-2N, 3W	Central City, Marion, 1N, 1E	Fitzgerrell, Jefferson, 4S, 1E
Bartelso E, Clinton, 1N, 3W	Centralia, Clinton, Marion, 1-2N, 1E, 1W	Fitzgerrell, Jefferson, 4S, 1E
Bartelso S, Clinton, 1N, 3W	Centralia W, Clinton, 1N, 1W	Flora S, Clay, 2N, 6E
Bartelso W, Clinton, 1N, 3-4E	Chesterville, Douglas, 15N, 7E	Forseyth, Macoupin, 17N, 2E
Beaucoup, Washington, 2S, 2W	Chesterville E, Douglas, 14-15N, 7-8E	Francis Mills, Saline, 7S, 7E
Beaucoup S, Washington, 2S, 2W	Christopher S, Franklin, 7S, 1E	Freiburg, St. Clair, 1-2S, 7W
Beaver Creek, Bond, Clinton, 3-4N, 2-3W	Clarkburg, Shelby, 10N, 4E	Freemanapur, Williamson, 8S, 2E
Beaver Creek N, Bond, 4N, 3W	Clay City C, Clay, Wayne, Richland, Jasper, 1-7N, 1-2S, 6-11E	Friendsville Gen, Wabash, 1N, 13W
Beaver Creek S, Clinton, Bond, 3-4N, 2-3W	Clifford, Williamson, 8S, 1E	Frogtown, Clinton, 2N, 3-4W
Beckmeyer Gas, Clinton, 2N, 3W	Coil, Wayne, 1S, 5E	Gards Point C, Wabash, 1N, 14W
Bellair, Crawford, Jasper, 8N, 14W	Coil N, Wayne, 1N-1S, 5E	Gaye, Moultrie, 12N, 6E
Belle Prairie, Hamilton, 4S, 6-7E	Coil W, Jefferson, 1S, 4E	Germann E, Clinton, 1-2N, 4W
Belle Rive, Jefferson, 3S, 4E	Collinsville, Madison, 3N, 8W	Gila, Jasper, 7-8N, 9E
Bellmont, Wabash, 1S, 13-14W	Colmar-Plymouth, Hancock-McDonough, 4-5N, 4-5W	Gillespie-Wyco, Macoupin, 8N, 6W
Benn, Lawrence, 3N, 11W	Concord C, White, 6S, 10E	Glenarm, Sangamon, 14N, 3W
Benn E, Lawrence, 3N, 10W	Concord E C, White, 6-7S, 10E	Goldengate C, Wayne, White, Edwards, 2-4S, 9-10E
Bennington S, Edwards, 1M, 10E	Cooks Mills C, Coles, Douglass 13-14N, 7-8E	Goldengate C, Wayne, White, Edwards, 2-4S, 9-10E
Benton, Franklin, 6S, 2-3E	Cordes, Washington, 3S, 3W	Goldengate E, Wayne, 3S, 9E
Benton N, Franklin, 3-6S, 2E	Corinth, Williamson, 8S, 4E	Goldengate N C, Wayne, 1-2S, 8-9E
Berry, Sangamon, 15N, 3W	Corinth E, Williamson, 8S, 4E	Grandview, Edgar, 12-13N, 13W
Berryville C, Wabash, Edwards, Richland, 1-2N, 14W	Corinth N, Williamson, 8S, 4E	Grayson, Saline, 8S, 7E
Bessie, Franklin, 6S, 3E	Cottage Grove, Saline, 9S, 7E	Greenville Gas, Bond, 5N, 3W
Bible Grove N, Effingham, 6N, 7E	Coulterville N, Washington, 3S, 3W	Half Moon, Wayne, 1S, 9E
Bible Grove S, Clay, 5N, 7E	Covington S, Wayne, 2S, 6E	Harcro, Saline, 8S, 5E
Black Branch, Sangamon, 15N, 4W	Craig, Perry, 4S, 4W	Harrisburg, Saline, 8S, 6E
Blackland, Macon, Christian, 15N, 1E-1W	Cravat, Jefferson, 1S, 1E	Harrisburg S, Saline, 9S, 6E
Blackland N, Macon, 16N, 1E	Cravat W, Jefferson, 1S, 1E	Harristown, Macon, 16N, 1E
Black River, White 4S, 13W	Crossville, White, 12N, 10E	Hayes, Douglas, Champaign, 16N, 8E
Blairsville W, Hamilton, 4S, 7E	Crossville W, White, 4S, 10E	Herald C, White, Gallatin, 6-8S, 9-10E
Bluford, Jefferson, 2S, 4E	Dahlgren, Hamilton, 3S, 5E	Herrin, Williamson, 8S, 2E
Bogota, Jasper, 6N, 9E	Dahlgren W, Jefferson, 4S, 4E	Hickory Hill, Marion, 1N, 4E
Bogota N, Jasper, 6N, 9E	Dale C, Franklin, Hamilton, Saline, 5-7S, 4-7E	Hidalgo, Jasper, 8N, 10E
Bogota S, Jasper, 5-6N, 9E	Decatur, Macon, 16-17N, 2E	Hidalgo E, Cumberland, 9N, 9E
Bogota W, Jasper, 6N, 9E	Decatur N, Macon, 17N, 3E	Hidalgo S, Jasper, 8N, 10E
Bone Gap C, Edwards, 1S, 10-11E, 14W	Deering City, Franklin, 7S, 3E	Highland, Madison, 4N, 5W
Bone Gap C, Edwards, 1S, 10-11E, 14W	Divide C, Jefferson, 1S, 3-4E	Hill, Effingham, 6N, 6E
Bone Gap E, Edwards, 1S, 14W	Divide S, Jefferson, 2S, 3-4E	Hill E, Effingham, 6N, 6E
Bone Gap W, Edwards, 1S, 10E	Dix S, Jefferson, 1S, 2E	Hillsboro, Montgomery, 9N, 3W
Boulder, Clinton, 2-3N, 2W	Dollville, Shelby, 12N, 2E	Hoffman, Clinton, 1N, 2W
Boulder E, Clinton, 3N, 1W	Dubois Gen, Washington, 3S, 1-2W	Hoodville E, Hamilton, 5S, 7E
Bourbon C, Douglas, 15N, 7E	Dubois C, Washington, 3S, 1-2W	Hord, Clay, 5N, 6E
Bourbon S, Douglas, 15N, 7E	Dudley, Edgar, 13-14N, 13W	Hord N, Effingham, 6N, 6E
Bowyer, Richland, 5N, 14W	Dudleyville E, Bond, 4-5N, 2-3W	Hord S C, Clay, 5N, 6E
Boyd, Jefferson, 1S, 1-2E	Dupo, St. Clair, 1N, 1S, 10W	Hornsby S, Macoupin, 8N, 6W
Broughton, Hamilton, 6S, 7E	Eberle, Effingham, 6N, 6E	Hoyleton W, Washington, 1S, 2W
Broughton S, Saline, 7S, 7E	Edinburg, Christian, 14N, 3W	Huey, Clinton, 2N, 2W
Brown, Marion, 1N, 1E	Edinburg S, Christian, 14N, 3W	Huey S, Clinton, 1-2N, 2-3W
	Edinburg W, Christian, Sangamon, 14W, 3-4W	Hunt City E, Jasper, 7N, 10R
		Hunt City E, Jasper, 7N, 14W

PROPERTIES OF ILLINOIS OIL FIELDS

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TABLE 1 - LOCATIONS OF ILLINOIS OIL FIELDS, Continued

Name, County, Township and Range	Name, County, Township and Range	Name, County, Township and Range
Hunt City S, Jasper, 7N, 14W	Maple Grove S, Edwards, 1N, 10E	Oskaloosa E, Clay, 3N, 5-6E
Hutton, Coles, 11N, 10E	Maycos, Jefferson, 3S, 2E	Oskaloosa S, Clay, 3N, 5E
Ima, Jefferson, 4S, 2-3E	Marine, Madison, 4N, 6W	Pana, Christian, 11-12N, 1E
Ima N, Jefferson, 4S, 3E	Marine W, Madison, 5N, 7W	Panama, Bond, Montgomery, 7N, 3-4W
Incloses, Edgar, Clark	Mation, Williamson, 9S, 3E	Pankayville, Saline, 9S, 6E
12N, 13-14W	Mation E, Williamson, 9S, 3E	Pankayville E, Saline, 9S, 7E
Ingraham, Clay, 4W, 8E	Marietta W, St. Clair, 3-4S, 7W	Parkersburg C, Richland, Edwards,
Inmet E C, Gallatin, 7-8S, 10E	Markham City, Jefferson,	1-3N, 10-11E, 14W
Inman W C, Gallatin, 7-8S, 9-10E	Markham City N, Jefferson,	Parkersburg S, Edwards, 1N, 14W
Iola Cen, Clay, 5N, 5E	Markham City W, Jefferson, 2-3S, 4E	Parkersburg W, Richland, Edwards, 2N, 10E
Iola C, Clay, 4N, 5E	Martinsville, Clark, 9-10N, 13-14W	Parnell, DeWitt, 21N, 4E
Iola W, Clay, 5N, 5E	Mason N, Effingham, 6N, 5R	Passport, Clay, 4-5N, 8E
Irvington, Washington, 1S, 1W	Massilon, Wayne, Edwards, 1S, 9-10E	Passport N, Richland, 5N, 9E
Irvington E, Jefferson, 1S, 1E	Massilon S, Edwards, 1S, 10E	Passport S, Richland, Clay, 4N, 8-9E
Irvington N, Washington, 1M, 1S, 1W	Mattoon, Coles, 11-12N, 7-8E	Passport W, Clay, 4N, 8E
Irvington W, Washington, 1S, 1W	Mattoon N, Coles, 13N, 7E	Patoka, Marion, Clinton, 3-4N, 1E, 1W
Iuka, Marion, 2N, 4E	Mattoon S, Cumberland, 11N, 7E	Patoka E, Marion, 4N, 1E
Iuka W, Marion, 2N, 3-4E	Maunie E, White, 6S, 11E	Patoka S, Marion, 3N, 1E
Jacksonville Gas, Morgan,	Maunie N C, White, 5-6S, 10-11E, 14W	Patoka W, Fayette, 4N, 1W
13N, 9W	Maunie N C, White, 5-6S, 10-11E, 14W	Phillipstown C, White, Edwards, 3-3S,
Johnson N, Clark, 9-10N, 14W	Maunie South C, White, 6S, 10-11E	10-11E, 14W
Johnson S, Clark, 9N, 14W	Mayberry, Wayne, 2-3S, 6E	Phillipstown S, White, 5S, 10E
Johnsonville C, Wayne, 1N, 1S, 6-7E	Mayberry N, Wayne, 2S, 6E	Pinkstaff, Lawrence, 4N, 11W
Johnsonville N, Wayne, 1N, 6E	Melrose, Clark, 9N, 13W	Pinkstaff E, Lawrence, 4N, 11W
Johnsonville S, Wayne, 1S, 5T	Melrose S, Clark, 9N, 13W	Pittsburg N, Williamson, 8S, 3E
Johnsonville W, Wayne, 1N, 1S, 5-6E	Miletus, Marion, 4N, 4E	Pixley, Clay, 4N, 8E
Johnsonville W, Wayne, 1N, 1S, 5-6E	Millersburg, Bond, 4N, 4W	Plainview, Macoupin, 9N, 8W
Johnstuv City E, Williamson, 8S, 3E	Hill Sheds, White, Hamilton,	Plainview S, Macoupin, 8N, 8W
Junction, Gallatin, 9S, 9E	Wayne, 2-4S, 7-8E	Posen, Washington, 3S, 2W
Junction N, Gallatin, 8-9S, 9E	Mills Prairie, Edwards, 1N, 14W	Posen N, Washington, 3S, 2W
Junction City C, Ma, " 1E	Mills Prairie N, Edwards, 1N, 14W	Posen S, Washington, 3S, 2W
Keensburg E, Wabash, 2S, 13W	Mitchellserville, Saline, 10S, 6E	Possey, Clinton, 1N, 2W
Keensburg S, Wabash, 2-3S, 13W	Mode, Shelby, 10N, 4E	Possey E, Clinton, 1N, 2W
Keenville, Wayne, 1S, 5E	Montrose, Effingham, 8N, 7E	Prentice, Morgan, 16N, 8W
Keenville E, Wayne, 1S, 5E	Mt. Auburn C, Christian, 15N, 1-2W	Pyramid, Washington, 2S, 1W
Kell, Jefferson, 1S, 3E	Mt. Carmel, Wabash, 1N, 12W	Raccoon Lake, Marion, 1N, 1E
Kell W, Marion, 1N, 2E	Mt. Erie N, Wayne, 1N, 9E	Raleigh, Saline, 7-8S, 6E
Kellerville, Adams, Brown,	Mt. Olive, Montgomery, 8N, 5W	Raleigh S, Saline, 8S, 5-6E
1-2S, 5W	Mt. Vernon, Jefferson, 3S, 3E	Raymond, Montgomery, 10N, 4-5W
Kenner, Clay, 3N, 6E	Mt. Vernon N, Jefferson, 2S, 3E	Raymond E, Montgomery, 10N, 4W
Kenner N, Clay, 3N, 6E	Murdock, Douglas, 16N, 10E	Raymond S, Montgomery, 10N, 4W
Kenner S, Clay, 2N, 5E	Nason, Jefferson, 3-4S, 2E	Reservoir, Jefferson, 1S, 3E
Kenner W, Clay, 3N, 5E	New Baden E, Clinton, 1N, 5W	Richview, Washington, 2S, 1W
Kaysport, Clinton, 3N, 2W	New Bellair, Crawford, 8N, 13W	Ridgeway, Gallatin, 8S, 8E
Kincaid C, Christian, 13-14N, 3W	New City, Sangamon, 14N, 4W	Riffle, Clay, 4N, 6E
King, Jefferson, 3-4S, 3E	New City S, Christian, 14N, 4W	Rinard, Wayne, 2N, 7E
Kimmynd, Marion, 4W, 2-3E	New Douglas S, Bond, 6N, 5W	Rinard N, Wayne, 2N, 7E
Kimmynd N, Marion, 4N, 3E	New Harmony C, White, Wabash,	Rinard S, Wayne, 1N, 6E
Laciende, Fayette, 3N, 4E	Edwards, 1N, 1-5S, 13-14W	Ritter, Richland, 3N, 10-11E
Lakewood, Shelby, 10N, 2-3E	New Harmony S (11), White, 3S, 14W	Ritter N, Richland, 3N, 11E
Lancaster, Wabash, Lawrence, 1-2N, 13W	New Harmony S (Ind), White, 5S, 14W	Riverton S, Sangamon, 15N, 4W
Lancaster Cen, Wabash, 1N, 13W	New Haven C, White, 7S, 10-11E	Roaches, Jefferson, 2S, 1E
Lancaster E, Wabash, 2N, 13W	New Hebron E, Crawford, 6N, 12W	Roaches N, Jefferson, 2S, 1E
Lancaster S, Wabash, 1N, 13W	New Memphis, Clinton, 1N, 1S, 5W	Roby, Sangamon, 15N, 3W
Langevin-Kuester, Marion, 1N, 1E	New Memphis E, Washington, 1S, 4W	Roby N, Sangamon, 15N, 3W
Lawrence, Lawrence, Crawford,	New Memphis N, Clinton, 1N, 5W	Rochester, Wabash, 2S, 13W
2-5N, 11-13W	New Memphis S, Clinton, Washington, 1S, 5W	Roland C, White, Gallatin, 5-7S, 8-9E
Lawrence W, Lawrence, 3N, 13W	Newton, Jasper, 6N, 9E	Roland W, Saline, 7S, 7E
Lexington, Wabash, 1S, 14W	Newton M, Jasper, 7N, 10E	Rose Hill, Jasper, 8N, 9E
Lexington N, Wabash, 1S, 14W	Newton W, Jasper, 6-7N, 9E	Ruark, Lawrence, 2N, 12-13W
Lillyville, Cumberland, Effingham,	Noble W, Clay, 3N, 8E	Ruark W C, Lawrence, 2N, 13W
8-9N, 6-7E	Oakdale, Jefferson, 2S, 4E	Rural Hill N, Hamilton, 5S, 5E
Lia, Jasper, 7N, 9E	Oakdale N, Jefferson, 2S, 4E	Rushville, Schuyler, 2N, 1W
Litchfield, Montgomery, 8-9N, 5W	Oakley, Macon, 16N, 3E	Rushville N W, Schuyler, 2N, 2W
Litchfield S, Montgomery, 8N, 5W	Oak Point, Clark, Jasper, 8-9N, 14W	Russellville Gas, Lawrence, 4-5N, 10-11W
Livingston, Madison, 6N, 6W	Oak Point W, Clark, Cumberland, 9N, 11E, 14W	Russellville W, Lawrence, 2N, 11W
Livingston S, Madison, 5-6N, 6W	Odin, Marion, 2N, 1-2E	St. Francisville, Lawrence, 2N, 11W
Locust Grove, Wayne, 1N, 9E	Okawville, Washington, 1S, 4W	St. Francisville E, Lawrence, 2N, 11W
Locust Grove S, Wayne, 1S, 9E	Okawville N, Washington, 1S, 4W	St. Jacob, Madison, 3N, 6W
Logan, Franklin, 7S, 3E	Old Ripley, Bond, 5N, 4W	St. Jacob E, Madison, 3N, 6W
Long Branch, Saline, Hamilton,	Old Ripley N, Bond, 5N, 4W	St. James, Fayette, 5-6N, 2-3E
7S, 6E	Olney C, Richland, Jasper, 4-5N, 10	St. Paul, Fayette, 5N, 3E
Long Branch S, Saline, 8S, 6E	Olney S, Richland, 3N, 10E	St. Marie, Jasper, 5N, 10-11E, 16W
Louden M, Fayette, Effingham,	Omaha, Gallatin, 7-8S, 8E	St. Marie E, Jasper, 5-6N, 10E
6-9N, 2-4E	Omaha E, Gallatin, 8S, 8E	St. Marie W, Jasper, 5-6N, 10E
Louisville N, Clay, 4N, 6E	Omaha S, Gallatin, Saline, 8S, 7-8E	Sailor Springs C, Clay,
Louisville N, Clay, 4N, 6E	Omaha W, Saline, Gallatin, 7-8S, 7-8E	Effingham, Jasper, 3-6N, 6-8E
Louisville S, Clay, 3N, 6E	Omeg, Marion, 3N, 4E	Sailor Springs E, Clay, 4N, 8E
Lynchburg, Jefferson, 3S, 4E	Opdyke, Jefferson, 3S, 4E	Sailor Springs N, Clay, 4N, 8E
McKinley, Washington, 3S, 4W	Orchardville, Wayne, 1N, 5E	Salem C, Marion, Jefferson, 1-2N, 1S, 1-2E
Macedonia, Franklin, 3S, 4E	Orchardville N, Wayne, 1N, 5E	Samsville, Edwards, 1N, 11E
Hain C, Crawford, Lawrence	Orient, Franklin, 7S, 2E	Samsville N, Edwards, 1N, 14W
Jasper, 5-6N, 10-14W	Orient N, Franklin, 7S, 2E	Samsville N W, Edwards, 1N, 10E
Maple Grove C, Edwards, Wayne,	Oskaloosa, Clay, 3-4N, 5E	Samsville W, Edwards, 1N, 10E
1-2N, 9-10E	Oskaloosa E, Clay, 3N, 5-6E	

TABLE 1 - LOCATIONS OF ILLINOIS OIL FIELDS, Continued

Name, County, Township and Range	Name, County, Township and Range	Name, County, Township and Range
Sandoval, Marion, 2N, 1E	Sumpter E, White, 4-5S, 10E	13-14N, 13-14W
Sandoval W, Clinton, 2N, 1W	Sumpter N, White, 4S, 9E	Waterloo, Monroe, 1-2S, 10W
Sante Fe, Clinton, 1N, 3W	Sumpter S, White, 4-5S, 9E	Watson, Effingham, 7N, 5-6E
Schnell, Richland, 2N, 9E	Sumpter W, White, 4S, 9E	Watson W, Effingham, 7N, 5E
Schnell E, Richland, 2N, 9E	Tamaroa, Perry, 4S, 1W	Waverly, Morgan, 13N, 8W
Sciota, McDonough, 7N, 3W	Tamaroa S, Perry, 4S, 1W	Weaver, Clark, 11N, 10W
Seminary, Richland, 2N, 10E	Tamaroa W, Perry, 4S, 2W	West Frankfort C, Franklin
Sesser C, Franklin, 5-6S, 1-2E	Taylor Hill, Franklin, 5S, 4E	7S, 2-3E
Shattuc, Clinton, 2N, 1W	Teutopolis, Effingham, 8N, 6E	West Frankfort C, Franklin,
Shattuc, Clinton, 2N, 1W	Teutopolis S, Effingham, 8N, 6E	7S, 2-3E
Shattuc N, Clinton, 2N, 1W	Thackeray, Hamilton, 5S, 7E	West Seminary, Clay, 2N, 7E
Shawneetown, Gallatin, 9S, 9E	Thompsonville, Franklin, 7S, 4S	Weafield, Clark, Coles,
Shawneetown E, Gallatin, 9S, 10E	Thompsonville E, Franklin, 7S, 4E	11-12N, 11E-14W
Shawneetown N, Gallatin, 9S, 10E	Thompsonville N, Franklin, 7S, 4E	Westfield E, Clark,
Shelbyville C, Shelby, 11N, 4E	Tilden, Randolph, 4S, 5W	11-12N, 14W
Shumway, Effingham, 9N, 5E	Tilden N, St. Clair, 3S, 6W	Westfield N, Coles, 12N, 14W
Sicily, Christian, 13N, 4W	Toliver E, Clay, 5N, 6-7E	Whittington, Franklin, 3S, 3E
Siggins, Cumberland, Clark,	Toliver S, Clay, 4N, 6E	Whittington S, Franklin,
10-11N, 11E, 14W	Tooti, Marion, 2-3N, 2E	5-6S, 3E
Silowm, Brown, 2S, 4W	Tovey, Christian, 13N, 3W	Whittington W, Franklin,
Sorento C, Bond, 6N, 4W	Trumbull C, White, 5S, 9E	5S, 2-3E
Sorento W, Bond, 6N, 4W	Trumbull N, White, 4S, 8E	Wilberton, Fayette, 5N, 2-3E
Sparta, Randolph, 4-5S, 5-6W	Turkey Bend, Perry, 4S, 2W	Williams C, Jefferson, 2-3S, 2E
Sparta S, Randolph, 5S, 5W	Valier, Franklin, 6S, 2E	Willow Hill E, Jasper,
Springfield E, Sangamon, 15N, 4W	Virden W, Macoupin, 12N, 7W	6-7N, 10-11E
Staunton, Macoupin, 7N, 7W	Waggoner, Montgomery, 11N, 5W	Witt W, Montgomery, 10N, 3W
Staunton W, Macoupin, 7N, 7W	Wakefield, Jasper, 5N, 9E	Woburn C, Bond, 6-7N, 2W
Stewardson, Shelby, 9N, 6E	Wakefield N, Jasper, 5N, 9E	Woodlawn, Jefferson, 2-3S, 1-2E
Stewardson E, Shelby, 9N, 6E	Wakefield S, Richland, 3N, 9E	Xenia, Clay, 2N, 5E
Storm C, White, 5-6S, 9-10E	Walpole, Hamilton, 6-7S, 6E	Xenia E, Clay, 2N, 5E
Stratfordtown, Richland, 4-5N, 11E, 14W	Walpole S, Hamilton, 7S, 6E	Yale, Jasper, 8N, 11E
Stringtown E, Richland, 4N, 14W	Waltonville, Jefferson, 3S, 2E	York, Cumberland, Clark,
Stubblefield S, Bond, 4N, 3W	Wamac, Marion, Clinton,	9-10N, 10-11E, 14W
Summer, Lawrence, 4N, 13W	Washington, 1N, 1E, 1W	Ziegler, Franklin, 7S, 2E
Summer Cen, Lawrence, 4N, 13W	Wamac E, Marion, 1N, 1E	Zenith, Wayne, 2N, 5E
Summer S, Lawrence, 3N, 13W	Wamac W, Clinton, 1N, 1W	Zenith E, Wayne, 1N, 6E
Sumpter, White, 4S, 9E	Wapella E, DeWitt, 21N, 3E	Zenith N, Wayne, 2N, 6E
Sumpter E, White, 4-5S, 10E	Warrenon-Borton, Edgar, Coles,	Zenith S, Wayne, 1N, 5E

All acreage in a given pay inside an active flood unit in which there was at least one active injection well was considered to be active flood acreage. If the flood unit was abandoned, all acreage which had been subjected to injection was classified as abandoned flood acreage. Any acreage beneath flood units which was not being flooded was classified as undeveloped flood acreage. All these data are given in table 2 in columns entitled "Waterflood acres." The totals for all pays in each field are also given.

#### Remaining Primary

The productive acreage in each pay not in a waterflood unit was classified as remaining primary acreage and was broken into two categories — edge acres and interior acres — using the 10-acre production units described previously. Any unit offset on all four sides by production in a given pay zone was classified as 10 interior acres of production in that pay. Acreage in all other production units was classified as edge acres.

To determine the producing status of both the interior and the edge acreage, the acreage in each drilled production unit which contained at least one active producing well was classified as active. The acreage in each drilled production

unit in which all wells were abandoned was classified as abandoned. For each pay zone in each category (interior and edge), the ratio of the active acreage to the active plus the abandoned acreage times 100 was taken as the percentage of the acreage which was still active. These percentage figures were applied to the total edge and interior acreage figures for each pay to estimate the percentage of the total edge and interior acreage which was active in the entire field.

These data are in table 2 under the column "Remaining primary." The last line in these columns gives the totals of both the edge and interior acreage for all pay zones and the percentage of these totals which are still active in the entire field.

#### Salt Water Disposal Wells

In Illinois, salt water disposal wells are commonly found completed in pay zones in and around productive areas. Since it was impractical to relate these wells to specific production units, only the total number in each pay in each field was determined. These data are in table 2 under the column headed "No. of SWD wells." (Text is continued on page 37.)

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS

Field name	Area acres	Waterflood acres				Remaining primary				No. of SWD* wells	Average properties				
						Acres		% Active			Depth (ft)	Thick- ness (ft)	Perme- ability (md)	Grav- ity ("API)	Vis- cosity (cp)
Pay name	Pay acres	Act- ive	Aban- doned	Unde- veloped	Edge	Inter- ior	Edge	Inter- ior							
AB LAKE	80				0	0	0.0	0.0	0	800	10	18	100	35	8
PENNSYLVANIA	40	40	0	0	0	0	100.0	0.0	0	1350	5	18	200	36	7
PALESTINE	10	0	0	0	10	0	0.0	0.0	0	2000	10	16	50	37	6
WALTERSBURG	40	0	0	0	40	0	0.0	0.0	0	2735	8	15	40	35	8
RENAULT	20	0	0	0	20	0	50.0	0.0	0	2750	10	16	30	36	6
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	1734	9	17	72	36	7
TOTALS & AVE	120	40	0	0	80	0	25.0	0.0	0						
AB LAKE S	10									2800	8	16	30	36	6
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2800	8	16	30	36	6
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0						
AB LAKE W	450									725	10	18	100	35	8
PENNSYLVANIA	50	0	0	0	50	0	25.0	0.0	0	2020	20	17	50	37	6
WALTERSBURG	300	0	140	80	80	0	66.7	0.0	0	2075	20	19	100	38	5
TAR SPRINGS	30	0	0	0	30	0	50.0	0.0	0	2420	10	18	100	36	6
CYPRESS	10	0	0	0	10	0	100.0	0.0	0	2730	7	16	30	36	6
AUX VASES	160	0	60	0	100	0	42.9	0.0	0	2830	2	14	30	36	5
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	2048	15	17	54	37	6
TOTALS & AVE	560	0	200	80	280	0	57.7	0.0	0						
ADEN C	2370									3200	10	21	150	39	5
AUX VASES	1570	620	940	0	10	0	0.0	0.0	0	3300	10	17	180	39	6
STE GEN	2010	1010	960	0	40	0	0.0	0.0	0	3735	16	14	40	36	7
SALEM	50	0	0	30	20	0	50.0	0.0	0	4130	16	12	25	39	4
ULLIN	40	0	0	30	0	0	0.0	0.0	0	5320	10	10	40	35	5
DUTCH CREEK	30	0	0	30	0	0	0.0	0.0	0	3294	10	18	161	39	6
TOTALS & AVE	3690	1630	1900	90	70	0	14.3	0.0	0						
ADEN E	10									3430	6	17	150	39	5
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3430	6	17	150	39	5
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0						
ADEN S	330									3250	9	21	150	39	5
AUX VASES	170	130	0	0	40	0	75.0	0.0	0	3310	14	16	100	37	7
STE GEN	330	290	0	0	40	0	0.0	0.0	0	3295	12	17	117	37	7
TOTALS & AVE	500	420	0	0	80	0	37.5	0.0	0						
AKIN	700									2850	15	17	100	35	9
CYPRESS	170	110	0	0	60	0	0.0	0.0	0	3100	20	18	150	37	8
AUX VASES	490	350	50	0	90	0	80.0	0.0	0	3100	20	14	30	38	5
STE GEN	70	0	0	20	50	0	66.7	0.0	0	3950	10	10	15	37	5
TOTALS & AVE	730	460	50	20	200	0	52.7	0.0	0	3054	19	17	129	37	8
AKIN W	120									2725	9	17	100	35	9
CYPRESS	30	0	0	0	30	0	50.0	0.0	0	3040	10	14	30	37	6
STE GEN	70	0	0	0	70	0	80.0	0.0	0	3500	10	11	20	38	5
SALEM	10	0	0	0	10	0	100.0	0.0	0	3950	10	10	15	37	5
ULLIN	20	0	0	0	20	0	100.0	0.0	0	3153	10	14	42	37	6
TOTALS & AVE	130	0	0	0	130	0	77.7	0.0	0						
ALBION CENTRAL	110									3350	9	17	80	38	5
STE GEN	110	0	0	0	110	0	28.6	0.0	0	3350	9	17	80	38	5
TOTALS & AVE	110	0	0	0	110	0	28.6	0.0	0						
ALBION C	5610									1650	10	20	200	28	25
PENNSYLVANIA	1950	1710	40	60	130	0	20.0	0.0	0	2125	10	16	75	35	8
DEGONIA	10	0	0	10	0	0	0.0	0.0	0	2350	15	19	100	36	8
WALTERSBURG	690	520	40	70	60	0	83.3	0.0	0	2450	5	18	100	37	6
TAR SPRINGS	140	0	30	80	30	0	100.0	0.0	1	2650	10	18	50	37	6
HARDINSBURG	70	0	0	50	20	0	50.0	0.0	0	2850	15	17	50	37	6
CYPRESS	510	140	330	10	30	0	0.0	0.0	0	2900	13	18	50	36	7
BETHEL	860	190	20	310	310	30	45.8	66.7	0	3000	13	20	100	34	9
RENOIST	170	0	0	130	40	0	50.0	0.0	0	3110	9	16	900	39	4
AUX VASES	1600	660	40	220	590	90	62.5	66.7	3	3000	13	19	35	38	6
STE GEN	1770	740	50	280	580	120	58.1	91.7	1	3110	9	16	100	38	5
TOTALS & AVE	7770	3960	550	1220	1790	240	55.0	79.2	5	2615	11	18	239	35	10
ALBION E	770									2800	10	18	50	32	13
CYPRESS	120	0	0	0	120	0	44.4	0.0	0	2920	9	18	50	38	5
RENOIST	20	0	0	0	20	0	50.0	0.0	0	2930	10	20	100	38	6
AUX VASES	60	0	0	0	60	0	100.0	0.0	0	3020	17	18	40	34	9
STE GEN	290	0	0	0	280	10	45.0	100.0	0	3100	8	16	100	38	5
TOTALS & AVE	990	0	0	0	920	70	56.3	82.9	0	3019	11	17	67	36	8
ALBION NW	30									3300	6	16	100	38	5
MCCLOSKY	30	0	0	0	30	0	100.0	0.0	0	3300	6	16	100	38	5
TOTALS & AVE	30	0	0	0	30	0	100.0	0.0	0						
ALBION W	10									3375	5	16	100	38	5
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3375	5	16	100	38	5
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0						
ALLENDALE	9040									1450	16	18	400	33	11
PENNSYLVANIA	5090	2170	490	20	2240	190	72.5	52.9	7	1550	15	17	100	31	14
WALTERSBURG	310	20	0	30	240	20	88.2	100.0	0	1600	20	19	100	30	26
TAR SPRINGS	240	30	20	40	150	0	64.3	0.0	0	1780	10	17	50	34	8
HARDINSBURG	10	0	0	0	10	0	100.0	0.0	0	1920	10	18	100	34	8
CYPRESS	1760	690	130	140	730	50	61.8	80.0	0	2000	10	18	75	35	6
PT CK GROUP	1250	150	130	330	470	170	75.0	100.0	0	2300	12	17	50	37	6
AUX VASES	40	0	0	0	40	0	50.0	0.0	0	2300	12	17	200	36	8
STE GEN	760	20	0	150	550	40	60.5	66.7	0	2774	10	13	30	39	5
SALEM	10	0	0	0	10	0	100.0	0.0	0	2806	12	11	20	39	5
WARSAM	20	0	0	0	20	0	100.0	0.0	0	3153	10	14	100	38	5
TOTALS & AVE	9530	3080	770	710	4500	470	70.4	76.0	7	1628	13	18	292	33	11

\*Salt water disposal wells

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary				No. of SWD+ wells	Average properties				
		Pay active	Aban-	unde-	Acres	% Active	Edge	Inter-		Depth (ft)	Thick-	Foros-	Perme-	Grav-
Pay name	Pay acres	Active	Abandoned	unde-	Edge	Inter-	Edge	Inter-	(ft)	ness (ft)	ity (%)	ability (md)	Gravity ("API)	Viscosity (cp)
ALMA	60													
CYPRESS	10	0	0	0	10	0	100.0	0.0	0	1800	7	17	150	35
BENOIST	50	0	0	0	50	0	75.0	0.0	0	1950	8	19	100	36
SPAR MTN	.40	0	0	0	40	0	0.0	0.0	0	2085	10	17	50	36
TOTALS & AVE	100	0	0	0	100	0	22.5	0.0	0	2000	9	18	81	36
AMITY	60													
MCCLOSKY	60	0	0	0	60	0	25.0	0.0	0	2960	5	17	200	36
TOTALS & AVE	60	0	0	0	60	0	25.0	0.0	0	2960	5	17	200	36
AMITY S	10													
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	2890	4	17	200	38
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2890	4	17	200	38
AMITY W	10													
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2925	12	16	70	38
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2925	12	16	70	38
ASHLEY	210													
BENOIST	210	0	0	0	170	40	71.4	100.0	3	1430	7	17	100	30
TOTALS & AVE	210	0	0	0	170	40	71.4	100.0	3	1430	7	17	100	30
ASHMORE E	30													
PENNSYLVANIA	30	0	0	0	30	0	100.0	0.0	1	415	14	19	200	30
TOTALS & AVE	30	0	0	0	30	0	100.0	0.0	1	415	14	19	200	30
ASHMORE S	290													
PENNSYLVANIA	790	0	0	0	250	40	100.0	100.0	0	420	8	20	200	24
MISSISSIPPIN	20	0	0	0	10	10	0.0	100.0	0	475	17	15	30	38
TOTALS & AVE	310	0	0	0	260	50	96.2	100.0	0	477	9	19	178	26
ASSUMPTION CENTR	10													
DEVONIAN	10	0	0	0	10	0	0.0	0.0	0	2430	24	12	50	38
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2430	24	12	50	38
ASSUMPTION C	2400													
BENOIST	590	490	0	0	100	0	83.3	0.0	0	1050	13	19	100	36
SPAR MTN	220	220	0	0	0	0	0.0	0.0	0	1170	8	22	500	40
LINGLE	2240	1720	0	0	460	60	60.0	100.0	1	230	20	12	50	38
TOTALS & AVE	3050	2430	0	0	560	60	64.2	100.0	1	376	18	13	72	38
ASSUMPTION S	50													
LINGLE	50	0	0	0	50	0	33.3	0.0	0	2630	15	12	50	39
TOTALS & AVE	50	0	0	0	50	0	33.3	0.0	0	2630	15	12	50	39
AVA-CAMPBELL HIL	140													
CYPRESS	140	0	0	0	130	10	0.0	0.0	0	780	18	18	50	36
TOTALS & AVE	140	0	0	0	130	10	0.0	0.0	0	780	18	18	50	36
BALDWIN	30													
SILURIAN	30	0	0	0	30	0	33.3	0.0	0	1535	65	12	10	32
TOTALS & AVE	30	0	0	0	30	0	33.3	0.0	0	1535	65	12	10	32
BARNHILL	1890													
AUX VASES	450	370	230	0	300	40	44.0	100.0	0	3270	15	19	50	39
STE GEN	1140	0	560	140	350	90	55.2	55.6	1	3370	16	17	80	38
ST LOUIS	10	0	0	0	10	0	0.0	0.0	0	3520	7	14	20	38
SALEM	30	0	0	30	0	0	0.0	0.0	0	3800	8	15	60	39
TOTALS & AVE	2130	370	790	170	660	130	49.3	69.2	1	3330	15	18	67	38
BARTELSO	570													
CYPRESS	370	90	190	0	90	0	85.7	0.0	0	985	15	21	210	36
SILURIAN	380	0	0	300	80	0	100.0	0.0	0	2450	17	12	50	42
TOTALS & AVE	750	90	190	300	170	0	92.4	0.0	0	1646	13	17	138	39
BARTELSO E	210													
SILURIAN	210	0	0	0	180	30	92.3	100.0	2	2550	7	13	50	42
TOTALS & AVE	210	0	0	0	180	30	92.3	100.0	2	2550	7	13	50	42
BARTELSO S	60													
DEVONIAN	60	0	0	0	50	10	0.0	0.0	0	2475	3	15	50	40
TOTALS & AVE	60	0	0	0	50	10	0.0	0.0	0	2475	3	15	50	40
BARTELSO W	260													
CYPRESS	260	0	0	0	240	20	62.5	100.0	1	970	15	20	200	36
SILURIAN	10	0	0	0	10	0	100.0	0.0	0	2450	7	16	75	40
TOTALS & AVE	270	0	0	0	250	20	64.0	100.0	1	996	15	20	198	36
BEAUCOUP	280													
CLEAR CREEK	280	0	0	0	160	120	100.0	100.0	1	3070	10	13	30	39
TRENTON	10	0	0	0	10	0	100.0	0.0	0	4100	5	14	30	39
TOTALS & AVE	290	0	0	0	170	120	100.0	100.0	1	3088	10	13	30	39
BEAUCOUP S	260													
BENOIST	260	250	0	0	10	0	100.0	0.0	0	1430	10	18	110	36
TOTALS & AVE	260	250	0	0	10	0	100.0	0.0	0	1430	10	18	110	36
BEAVER CREEK	180													
BENOIST	180	0	50	0	90	40	57.1	100.0	1	1130	4	21	208	34
TOTALS & AVE	180	0	50	0	90	40	57.1	100.0	1	1130	4	21	208	34
BEAVER CREEK N	80													
BENOIST	80	0	0	0	80	0	16.7	0.0	0	1115	5	20	200	24
TOTALS & AVE	80	0	0	0	80	0	16.7	0.0	0	1115	5	20	200	24
BEAVER CREEK S	540													
CYPRESS	10	0	0	0	10	0	100.0	0.0	0	1000	20	17	150	36
BENOIST	540	60	40	0	400	40	66.7	100.0	4	1200	7	18	100	34
TOTALS & AVE	550	60	40	0	410	40	67.5	100.0	4	1190	7	18	103	34

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Area in acres	Waterflood acres			Remaining primary				No. of SWD* wells	Average properties				
		Pay active	Aban-	Unde-	Acres	% Active	Edge	Inter-		Depth (ft)	Thick-	Porous-	Perme-	Grav-
Pay name	Pay acres	active	doned	Unde-	Edge	Inter-	Edge	Inter-	(ft)	ness (ft)	(%)	(md)	(°API)	Viscosity (cp)
BECKEMEYER GAS	10													
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	1070	23	20	200	36
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	1070	23	20	200	36
BELLAIR	2220													
PENNSYLVNIN	2110	930	80	0	910	210	3.3	0.0	0	500	30	19	150	32
CYPRESS	40	0	0	0	40	0	50.0	0.0	0	1000	15	18	100	36
BENOIST	40	0	0	0	40	0	100.0	0.0	0	1100	17	16	100	36
RENAULT	30	0	0	0	30	0	100.0	0.0	0	830	6	15	70	37
AUX VASES	220	0	0	0	210	10	50.0	100.0	0	1200	10	14	10	34
DHARA	30	0	0	0	30	0	100.0	0.0	0	860	4	16	150	37
TOTALS & AVE	2670	930	80	0	1260	220	20.2	4.8	0	533	27	19	144	32
BELLÉ PRAIRIE	290													
AUX VASES	30	0	0	0	30	0	33.3	0.0	0	3250	10	18	100	37
MCCLOSKY	260	0	0	0	230	30	50.0	0.0	1	3420	6	19	100	38
TOTALS & AVE	290	0	0	0	260	30	48.1	0.0	1	3393	6	19	100	38
BELLÉ PRAIRIE W	10													
ULLIN	10	0	0	0	10	0	0.0	0.0	0	4200	6	12	30	37
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	4200	6	12	30	37
BELLE RIVE	110													
MCCLOSKY	110	0	0	0	110	0	66.7	0.0	0	3085	6	17	100	37
TOTALS & AVE	110	0	0	0	110	0	66.7	0.0	0	3085	6	17	100	37
BELLMONT	30													
BETHEL	10	0	0	0	10	0	0.0	0.0	0	2650	7	18	50	38
DHARA	20	0	0	0	20	0	50.0	0.0	0	2850	7	17	100	40
TOTALS & AVE	30	0	0	0	30	0	33.3	0.0	0	2783	7	17	83	39
REMAN	530													
AUX VASES	100	0	0	0	100	0	88.9	0.0	0	1800	20	18	50	38
STE GEN	440	0	0	0	370	70	52.2	100.0	4	1750	7	16	70	38
TOTALS & AVE	540	0	0	0	470	70	60.0	100.0	4	1770	9	17	62	38
REMAN E	120													
AUX VASES	40	0	0	0	40	0	0.0	0.0	0	1800	20	18	50	38
STE GEN	120	0	0	0	120	0	33.3	0.0	0	1860	7	14	70	38
TOTALS & AVE	160	0	0	0	160	0	25.0	0.0	0	1831	10	16	60	38
BENNINGTON S	10													
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3240	8	16	100	37
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3240	8	16	100	37
BENTON	2360													
PENNSYLVNIN	20	0	0	0	20	0	100.0	0.0	0	1700	9	18	150	33
TAR SPRINGS	2360	2270	0	0	90	0	66.7	0.0	0	2100	35	19	30	38
AUX VASES	300	250	0	0	50	0	100.0	0.0	0	2750	15	18	197	38
STE GEN	190	180	0	0	10	0	100.0	0.0	0	2800	8	15	100	37
ST LOUIS	10	0	0	0	10	0	100.0	0.0	0	2990	6	12	10	38
ULLIN	10	0	0	0	10	0	100.0	0.0	0	3700	5	12	25	38
TOTALS & AVE	2890	2700	0	0	190	0	84.2	0.0	0	2146	31	19	40	38
BENTON N	630													
CYPRESS	100	0	0	0	90	10	100.0	100.0	0	2450	17	18	150	38
PI CK GROUP	180	180	0	0	0	0	0.0	0.0	0	2550	16	20	38	5
AUX VASES	140	130	0	0	10	0	0.0	0.0	0	2700	10	18	100	39
STE GEN	460	370	0	0	70	0	100.0	0.0	0	2730	13	15	50	36
TOTALS & AVE	880	680	0	0	170	10	94.1	100.0	0	2643	14	16	63	37
BERRY	570													
DEVONIAN	60	0	0	0	60	0	50.0	0.0	0	1750	4	12	30	38
SILURIAN	510	0	0	0	460	50	69.4	100.0	0	1730	35	11	15	38
TOTALS & AVE	570	0	0	0	520	50	67.2	100.0	0	1730	32	11	15	38
BERRYVILLE C	140													
STE GEN	340	0	120	0	220	10	0.0	100.0	2	2850	14	16	100	38
TOTALS & AVE	340	0	120	0	220	10	0.0	100.0	2	2850	14	16	100	38
BESSE	10													
DHARA	10	0	0	0	10	0	100.0	0.0	0	2900	10	14	30	39
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	2900	10	14	30	39
BELLE GROVE N	200													
CYPRESS	130	0	0	0	130	0	80.0	0.0	0	2535	10	17	45	39
STE GEN	120	0	0	0	110	10	0.0	0.0	0	2835	6	16	233	37
TOTALS & AVE	250	0	0	0	240	10	43.3	0.0	0	2642	8	17	112	38
BIBLE GROVE S	50													
CYPRESS	20	0	0	0	20	0	100.0	0.0	0	2500	10	17	40	36
AUX VASES	40	0	0	0	40	0	50.0	0.0	0	2740	10	17	50	38
TOTALS & AVE	60	0	0	0	60	0	66.7	0.0	0	2660	10	17	47	37
BLACK BRANCH	30													
SILURIAN	30	0	0	0	30	0	100.0	0.0	0	1600	10	12	20	38
TOTALS & AVE	30	0	0	0	30	0	100.0	0.0	0	1600	10	12	20	38
BLACKLAND	380													
SILURIAN	380	0	50	0	290	30	31.6	66.7	0	1950	25	10	11	39
TOTALS & AVE	380	0	50	0	290	30	31.6	66.7	0	1950	25	10	11	39
BLACKLAND N	230													
SILURIAN	230	0	0	0	230	0	45.0	0.0	0	1950	11	13	30	39
TOTALS & AVE	230	0	0	0	230	0	45.0	0.0	0	1950	11	13	30	39
BLACK RIVER	10													
CLORE	10	0	0	0	10	0	100.0	0.0	0	1865	6	16	50	36
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	1865	6	16	50	36

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres				Remaining primary				No. of SWD wells	Average properties					
		Pay acre	Act-tive	Aban-dandoned	Undeveloped	Acres	Inter-ior	Edge	Inter-ior		Depth (ft)	Thick-ness (ft)	Poros-ity (%)	Perme-ability (md)	Grav-ity (°API)	Vis-coosity (cp)
BLAIRSVILLE W	160															
STE GEN	160	0	0	0	0	120	40	16.7	0.0	0	3350	10	18	100	37	6
TOTALS & AVE	160	0	0	0	0	120	40	16.7	0.0	0	3350	10	18	100	37	6
BLUFORD	30															
MCCLOSKY	30	0	0	0	0	30	0	100.0	0.0	0	3060	6	17	40	38	5
TOTALS & AVE	30	0	0	0	0	30	0	100.0	0.0	0	3060	6	17	40	38	5
BOGOTA	190															
STE GEN	190	0	0	0	0	150	40	25.0	50.0	0	3100	6	16	150	39	4
TOTALS & AVE	190	0	0	0	0	150	40	25.0	50.0	0	3100	6	16	150	39	4
BOGOTA N	10															
MCCLOSKY	10	0	0	0	0	10	0	0.0	0.0	0	3080	3	15	150	37	6
TOTALS & AVE	10	0	0	0	0	10	0	0.0	0.0	0	3080	3	15	150	37	6
BOGOTA S	300															
MCCLOSKY	300	0	0	0	0	240	60	76.5	50.0	0	3075	8	16	200	37	6
TOTALS & AVE	300	0	0	0	0	240	60	76.5	50.0	0	3075	8	16	200	37	6
BOGOTA W	10															
MCCLOSKY	10	0	0	0	0	10	0	100.0	0.0	0	3080	6	16	200	37	6
TOTALS & AVE	10	0	0	0	0	10	0	100.0	0.0	0	3080	6	16	200	37	6
BONE GAP C	1120															
PENNNSYLVNIN	10	0	0	0	0	10	0	100.0	0.0	0	2100	8	18	100	37	15
WALTERSBURG	170	0	110	0	0	60	0	50.0	0.0	0	2300	20	17	75	35	8
CYPRESS	100	90	0	0	0	10	0	0.0	0.0	0	2700	10	17	50	37	5
BETHEL	40	0	0	0	40	0	0	0.0	0.0	0	2880	15	18	25	39	6
AUX VASES	10	0	0	0	0	10	0	0.0	0.0	0	3020	10	18	50	36	7
STE GEN	820	0	0	20	550	250	20.8	12.5	0	3040	6	16	200	36	7	
TOTALS & AVE	1150	90	110	60	640	250	24.2	12.5	0	2740	9	17	130	36	7	
BONE GAP E	20															
STE GEN	20	0	0	0	0	20	0	0.0	0.0	0	2980	15	17	50	36	7
TOTALS & AVE	20	0	0	0	0	20	0	0.0	0.0	0	2980	15	17	50	36	7
BONE GAP W	90															
STE GEN	90	0	0	0	0	80	10	50.0	100.0	0	3290	5	17	50	36	7
TOTALS & AVE	90	0	0	0	0	80	10	50.0	100.0	0	3290	5	17	50	36	7
BOULDER	580															
BENOIST	500	0	450	0	0	50	0	0.0	0.0	0	1200	25	18	100	37	6
GENEVA	470	0	0	0	280	190	0.0	0.0	0.0	0	2850	7	18	200	35	9
SILURIAN	40	0	0	0	40	0	0.0	0.0	0.0	0	2850	5	14	50	40	3
TOTALS & AVE	1010	0	450	0	370	190	0.0	0.0	0.0	0	1560	16	18	120	37	7
BOULDER E	50															
DEVONIAN	50	0	0	0	50	0	0	0.0	0.0	0	2850	5	12	20	39	5
TOTALS & AVE	50	0	0	0	50	0	0	0.0	0.0	0	2850	5	12	20	39	5
BOURBON C	930															
SPAR MTN	930	280	440	0	210	0	25.0	0.0	0	0	1600	12	17	200	34	8
TOTALS & AVE	930	280	440	0	210	0	25.0	0.0	0	0	1600	12	17	200	34	8
BOURBON S	10															
SPAR MTN	10	0	0	0	10	0	0	0.0	0.0	0	1690	4	17	200	34	8
TOTALS & AVE	10	0	0	0	10	0	0	0.0	0.0	0	1690	4	17	200	34	8
BOWYER	10															
SPAR MTN	10	0	0	0	10	0	0	0.0	0.0	0	2880	4	16	100	36	10
TOTALS & AVE	10	0	0	0	10	0	0	0.0	0.0	0	2880	4	16	100	36	10
BOYD	1460															
BENOIST	1450	1450	0	0	0	0	0	0.0	0.0	0	2050	17	18	175	35	7
AUX VASES	620	580	40	0	0	0	0	0.0	0.0	0	2130	12	21	24	37	6
OHARA	30	0	0	30	0	0	0	0.0	0.0	0	2230	5	14	50	39	4
TRENTON	10	0	0	0	10	0	0	100.0	0.0	0	5000	20	10	70	40	4
TOTALS & AVE	2110	2030	40	30	10	0	0	100.0	0.0	0	2087	15	19	139	36	7
BROUGHTON	10															
MCCLOSKY	10	0	0	0	10	0	0	0.0	0.0	0	3275	5	18	100	37	6
TOTALS & AVE	10	0	0	0	10	0	0	0.0	0.0	0	3275	5	18	100	37	6
BROUGHTON S	10															
MCCLOSKY	10	0	0	0	10	0	0	0.0	0.0	0	3215	4	14	200	38	5
TOTALS & AVE	10	0	0	0	10	0	0	0.0	0.0	0	3215	4	14	200	38	5
BROWN	100															
CYPRESS	100	50	0	0	50	0	80.0	0.0	0	0	1670	10	18	100	36	7
TOTALS & AVE	100	50	0	0	50	0	80.0	0.0	0	0	1670	10	18	100	36	7
BROWNS	1060															
PENNNSYLVNIN	10	0	0	0	10	0	100.0	0.0	0	0	1970	8	18	100	32	13
TAR SPRINGS	60	40	0	0	0	0	0.0	0.0	0	0	2350	14	18	100	36	7
CYPRESS	380	210	0	0	160	10	56.3	100.0	0	0	2650	13	18	10	36	8
BETHEL	80	80	0	0	0	0	0.0	0.0	0	0	2780	12	18	5	39	6
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	0	2965	7	18	50	36	7
STE GEN	770	350	0	0	290	130	9.5	53.8	0	0	2700	5	17	150	36	7
TOTALS & AVE	1290	680	0	0	470	140	27.2	57.1	0	0	2660	8	18	67	36	7
BROWNS E	780															
PENNNSYLVNIN	10	0	0	0	10	0	0.0	0.0	0	0	1850	8	18	100	32	13
CYPRESS	770	170	450	0	150	0	83.3	0.0	0	0	2570	13	18	30	36	8
TOTALS & AVE	780	170	450	0	160	0	78.1	0.0	0	0	2564	13	18	31	36	8
BROWNS S	40															
BETHEL	20	0	0	0	20	0	50.0	0.0	0	0	2850	15	18	25	38	5
AUX VASES	30	0	0	0	30	0	33.3	0.0	0	0	2950	0	18	50	36	7
TOTALS & AVE	50	0	0	0	50	0	40.0	0.0	0	0	2894	11	18	36	37	6

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary				No. of SWD+ wells	Average properties				
		Active	Absent- doned	Unde- veloped	Edge	Inter- ior	Edge	Inter- ior		Depth (ft)	Thick- ness (ft)	Porous- ity (%)	Perme- ability (md)	Grav- ity (°API)
Pay name	Pay acres													
BUCKHORN	10													
SILURIAN	10	0	0	0	10	0	0.0	0.0	0	680	2	15	50	37
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	680	2	15	50	37
BUCKNER	40													
AUX VASES	40	0	0	0	40	0	100.0	0.0	0	7600	12	18	80	38
TOTALS & AVE	40	0	0	0	40	0	100.0	0.0	0	7600	12	18	80	38
BULLPIT S	60													
DEV-SIL	60	0	0	0	60	0	25.0	0.0	0	1910	15	12	40	38
TOTALS & AVE	60	0	0	0	60	0	25.0	0.0	0	1910	15	12	40	38
BUNGAY C	3250													
RENAULT	550	340	0	60	150	0	54.5	0.0	1	3280	6	18	325	39
AUX VASES	2730	960	450	0	1130	190	62.9	52.6	4	3300	17	20	180	39
STE GEN	320	0	0	160	160	0	33.3	0.0	0	3335	9	18	300	36
ULLIN	10	0	0	0	10	0	100.0	0.0	0	4190	10	13	20	38
TOTALS & AVE	3610	1300	450	220	1450	190	59.0	52.6	5	3303	14	20	194	39
BURNT PRAIRIE S	30													
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	3330	24	18	100	37
STE GEN	30	0	0	0	30	0	33.3	0.0	0	3400	10	15	40	38
TOTALS & AVE	40	0	0	0	40	0	25.0	0.0	0	3369	14	16	67	38
CALHOUN CENTRAL	30													
STE GEN	30	0	0	0	30	0	0.0	0.0	0	3245	9	17	150	37
TOTALS & AVE	30	0	0	0	30	0	0.0	0.0	0	3245	9	17	150	37
CALHOUN C	1910													
STE GEN	1910	0	930	0	730	250	63.7	33.3	1	3140	12	15	67	38
ST LOUIS	10	0	0	0	10	0	100.0	0.0	0	3370	8	10	20	39
SALEM	10	0	0	0	10	0	100.0	0.0	0	3330	10	12	30	39
TOTALS & AVE	1930	0	930	0	750	250	64.7	33.3	1	3142	12	15	67	38
CALHOUN E	90													
MCCLOSKY	90	70	0	0	20	0	0.0	0.0	0	3265	5	16	100	39
TOTALS & AVE	90	70	0	0	20	0	0.0	0.0	0	3265	5	16	100	39
CALHOUN N	60													
STE GEN	60	0	0	0	60	0	50.0	0.0	0	3150	15	16	100	37
TOTALS & AVE	60	0	0	0	60	0	50.0	0.0	0	3150	15	16	100	37
CALHOUN S	490													
AUX VASES	20	0	0	0	20	0	50.0	0.0	0	3175	5	18	100	38
STE GEN	470	20	0	0	390	60	90.0	100.0	0	3200	7	16	100	37
TOTALS & AVE	490	20	0	0	410	60	88.0	100.0	0	3199	7	16	100	37
CARLINVILLE	40													
PENNSYLVANIA	40	0	0	0	40	0	75.0	0.0	0	380	15	18	100	28
TOTALS & AVE	40	0	0	0	40	0	75.0	0.0	0	380	15	18	100	28
CARLINVILLE N	100													
PENNSYLVANIA	100	0	0	0	100	0	0.0	0.0	0	440	10	18	100	20
TOTALS & AVE	100	0	0	0	100	0	0.0	0.0	0	440	10	18	100	20
CARLINVILLE S	10													
PENNSYLVANIA	10	0	0	0	10	0	0.0	0.0	0	539	11	20	100	26
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	539	11	20	100	26
CARLYLE	1220													
GOLCONDA	100	0	0	90	10	0	0.0	0.0	0	900	10	14	50	35
CYPRESS	1220	80	1100	0	40	0	0.0	0.0	0	1035	20	20	200	35
TOTALS & AVE	1320	80	1100	90	50	0	0.0	0.0	0	1030	19	20	194	35
CARLYLE E	10													
BENOIST	10	0	0	0	10	0	100.0	0.0	0	1200	4	14	70	34
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	1200	4	14	70	34
CARLYLE N	530													
BENOIST	530	50	0	0	320	160	85.2	92.9	2	1150	8	17	50	34
TOTALS & AVE	530	50	0	0	320	160	85.2	92.9	2	1150	8	17	50	34
CARLYLE S	20													
CYPRESS	20	0	0	0	20	0	0.0	0.0	0	1075	4	15	100	35
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	1075	4	15	100	35
CARMIE	240													
PENNSYLVANIA	10	0	0	0	10	0	100.0	0.0	0	1210	10	18	100	32
CYPRESS	90	0	0	20	70	0	0.0	0.0	0	2800	15	18	75	38
AUX VASES	40	0	0	0	40	0	25.0	0.0	0	3150	8	17	50	37
MCCLOSKY	100	80	0	0	20	0	50.0	0.0	0	3190	12	17	50	35
TOTALS & AVE	240	80	0	20	140	0	21.4	0.0	0	2918	12	17	63	36
CARMIE N	80													
CYPRESS	20	0	0	0	20	0	50.0	0.0	0	2940	15	18	100	38
SAMPLE	10	0	0	0	10	0	100.0	0.0	1	3080	12	15	100	37
AUX VASES	60	0	0	0	60	0	75.0	0.0	0	3150	10	17	50	36
TOTALS & AVE	90	0	0	0	90	0	72.2	0.0	1	3080	11	17	61	37
CASEY	3030													
PENNSYLVANIA	2720	210	480	80	1550	400	0.0	0.0	0	400	10	18	175	32
CARPER	250	100	0	0	140	10	62.5	100.0	1	1300	50	16	5	38
TOTALS & AVE	2970	310	480	80	1690	410	5.2	2.4	1	683	13	17	121	34
CENTERVILLE	190													
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	3080	15	20	150	37
STE GEN	190	30	40	0	120	0	11.1	0.0	0	3300	16	19	100	37
TOTALS & AVE	200	30	40	0	130	0	10.3	0.0	0	3290	16	19	102	37

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres				Remaining primary				No. of SWDs* wells	Average properties				
		Active	Aban- doned	Unde- veloped	Edge	Inter- ior	Edge	Inter- ior	Inter- ior		Depth (ft)	Thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Grav- ity (API)
Pay name	Pay acres														
CENTERVILLE E	1260														
PALESTINE	20	0	0	0	20	0	100.0	0.0	0	2225	3	17	80	35	8
TAR SPRINGS	820	700	80	0	40	0	75.0	0.0	0	2500	17	16	35	38	5
HARDINSBURG	40	40	0	0	0	0	0.0	0.0	0	2620	20	18	250	36	6
CYPRESS	630	520	0	0	110	0	33.3	0.0	0	2850	17	18	100	37	6
BETHEL	220	180	0	0	40	0	75.0	0.0	0	2990	20	14	18	38	5
AUX VASES	530	530	0	0	0	0	0.0	0.0	0	3100	15	20	150	37	6
STE GEN	320	180	0	80	60	0	50.0	0.0	0	3175	12	19	100	38	5
TOTALS & AVE	2580	2150	80	80	270	0	54.3	0.0	0	2820	16	17	82	38	5
CENTERVILLE N	10														
BETHEL	10	0	0	0	10	0	0.0	0.0	0	2990	13	14	18	38	5
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2990	13	14	18	38	5
CENTERVILLE NE	10														
BETHEL	10	0	0	0	10	0	0.0	0.0	0	3050	14	15	20	38	5
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3050	14	15	20	38	5
CENTRAL CITY	90														
PENNSYLVNIN	90	70	0	0	20	0	100.0	0.0	0	825	10	20	100	33	13
TOTALS & AVE	90	70	0	0	20	0	100.0	0.0	0	825	10	20	100	33	13
CENTRALIA	2980														
PENNSYLVNIN	30	0	0	0	30	0	33.3	0.0	0	765	10	20	100	32	14
CYPRESS	1530	1330	0	0	200	0	100.0	0.0	4	1200	19	20	150	35	8
BENOIST	2510	1640	0	0	440	430	93.2	100.0	0	1350	19	20	180	38	5
DEVONIAN	2610	270	0	1490	440	400	95.5	100.0	0	2850	9	14	100	40	3
TRENTON	1100	1080	0	0	20	0	100.0	0.0	0	3930	22	10	20	40	5
TOTALS & AVE	7780	4320	0	1490	1140	830	93.8	100.0	4	2097	16	17	127	38	5
CENTRALIA W	90														
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	1300	8	18	100	35	8
BENOIST	90	0	0	0	80	10	0.0	100.0	0	1440	9	19	200	38	5
TOTALS & AVE	100	0	0	0	90	10	0.0	100.0	0	1427	9	19	191	38	5
CHESTERVILLE	50														
SPAR MTN	50	0	0	0	50	0	20.0	0.0	0	1780	8	17	200	39	5
TOTALS & AVE	50	0	0	0	50	0	20.0	0.0	0	1780	8	17	200	39	5
CHESTERVILLE E	400														
SPAR MTN	400	360	0	0	40	0	50.0	0.0	0	1720	10	17	200	39	5
TOTALS & AVE	400	360	0	0	40	0	50.0	0.0	0	1720	10	17	200	39	5
CHRISTOPHER S	40														
AUX VASES	30	0	0	0	30	0	66.7	0.0	0	2620	8	18	50	38	5
OHARA	30	0	0	0	30	0	66.7	0.0	0	2690	10	16	100	37	6
TOTALS & AVE	60	0	0	0	60	0	66.7	0.0	0	2699	9	17	78	37	6
CLARKSBURG	40														
AUX VASES	40	0	0	0	40	0	75.0	0.0	0	1770	6	17	50	36	7
TOTALS & AVE	40	0	0	0	40	0	75.0	0.0	0	1770	6	17	50	36	7
CLAY CITY C	86790														
WALTERSBURG	10	0	0	0	10	0	0.0	0.0	0	2150	6	17	80	36	7
TAR SPRINGS	130	0	0	0	130	0	15.4	0.0	10	2550	15	18	100	38	6
CYPRESS	7690	3740	0	1540	2350	60	68.6	89.5	50	2692	15	19	60	34	10
BETHEL	130	0	0	0	120	0	81.0	0.0	11	2808	11	15	30	37	7
AUX VASES	27690	12850	1390	540	11000	1910	63.4	63.2	20	3005	15	19	81	38	6
STF GEN	60450	19380	1220	4270	21690	13890	50.9	54.7	154	2950	12	16	165	38	5
ST LOUIS	1950	0	0	330	950	670	76.9	95.2	0	3583	15	17	30	38	5
SALEM	2270	0	0	120	1440	810	88.5	96.2	0	2960	18	11	3	39	4
WARSAW	30	0	0	30	0	0	0.0	0.0	0	3665	13	13	30	40	6
DEVONIAN	20	0	0	10	10	0	0.0	0.0	0	4654	10	11	18	39	5
TOTALS & AVE	*****	35970	2610	6850	37700	17340	57.7	59.3	245	2941	13	17	121	38	6
CLIFFORD	40														
AUX VASES	40	0	0	0	40	0	0.0	0.0	0	2380	7	18	50	38	5
STE GEN	20	0	0	0	20	0	0.0	0.0	0	2670	12	15	80	38	5
TOTALS & AVE	60	0	0	0	60	0	0.0	0.0	0	2422	9	17	64	38	5
COIL	310														
AUX VASES	300	60	0	0	230	10	64.3	100.0	0	2700	10	18	100	39	4
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3065	15	17	100	38	6
TOTALS & AVE	310	60	0	0	240	10	61.6	100.0	0	2717	10	18	100	39	4
COIL N	60														
AUX VASES	60	0	0	0	60	0	83.3	0.0	0	2847	10	19	140	39	4
TOTALS & AVE	60	0	0	0	60	0	83.3	0.0	0	2847	10	19	140	39	4
COIL W	420														
AUX VASES	180	0	160	0	70	0	100.0	0.0	0	2700	15	18	100	39	4
STE GEN	220	0	120	0	100	0	16.7	0.0	0	2790	18	17	100	38	5
ST LOUIS	130	0	0	0	130	0	100.0	0.0	0	3040	7	12	50	39	4
SALEM	10	0	0	0	10	0	100.0	0.0	0	3350	10	13	80	37	6
TOTALS & AVE	540	0	280	0	260	0	67.9	0.0	0	2795	14	17	94	38	5
COLLINSVILLE	40														
SILURIAN	40	0	0	0	40	0	0.0	0.0	0	1305	20	12	25	37	6
TOTALS & AVE	40	0	0	0	40	0	0.0	0.0	0	1305	20	12	25	37	6
COLMAR-PLYMOUTH	2520														
HOING	2520	0	90	0	1240	1190	78.4	83.2	0	440	14	17	700	35	8
TOTALS & AVE	2520	0	90	0	1240	1190	78.4	83.2	0	440	14	17	700	35	8
CONCORD C	1840														
TAR SPRINGS	350	300	50	0	0	0	0.0	0.0	0	2270	15	16	175	36	7
HARDINSBURG	350	340	0	0	10	0	0.0	0.0	0	2500	16	18	200	36	6
CYPRESS	270	180	0	20	70	0	71.4	0.0	0	2620	12	18	300	37	6
AUX VASES	670	290	40	90	250	0	50.0	0.0	0	2900	21	20	75	36	7
STE GEN	1080	210	340	280	170	80	27.3	62.5	0	2950	14	16	100	37	6
TOTALS & AVE	2720	1320	430	390	500	80	44.3	62.5	0	2782	15	18	125	36	6

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Acres acres	Waterflood acres				Remaining primary				No. of SWDW wells	Average properties					
		Acres	% Active	Edge	Interior	Acres	% Active	Edge	Interior		Depth (ft)	Thickness (ft)	Porosity (%)	Permeability (md)	Gravity ("API)	Viscosity (cp)
Pay name	Pay acres	Act- ive	Aban- doned	Unde- veloped												
CONCORD E C	420															
WALTERSBURG	40	0	0	0	40	0	75.0	0.0	0	2220	10	20	200	33	8	
TAR SPRINGS	70	0	0	0	70	0	83.3	0.0	0	2250	18	16	175	36	6	
CYPRESS	190	0	0	0	190	0	64.7	0.0	0	2578	11	17	100	38	5	
RENAULT	20	0	0	0	20	0	100.0	0.0	0	2800	6	16	60	36	7	
AUX VASES	70	0	0	0	70	0	50.0	0.0	1	2836	12	18	93	34	7	
STF GEN	120	0	0	0	120	0	66.7	0.0	0	2954	10	16	48	38	5	
TOTALS & AVE	510	0	0	0	510	0	67.9	0.0	1	2601	12	17	110	37	6	
COOKS MILLS C	3060															
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	1600	20	18	75	39	5	
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	1770	15	17	50	37	6	
STF GEN	3020	1460	0	0	180	380	53.2	71.4	5	1800	11	17	180	37	6	
CARPER	20	0	0	0	10	0	0.0	0.0	0	2700	5	12	30	38	5	
DEVONIAN	20	0	0	0	10	0	0.0	0.0	0	2870	3	12	20	37	7	
TOTALS & AVE	3080	1460	0	20	1220	380	51.4	71.4	5	1803	11	17	178	37	6	
CORDES	1630															
BENOIST	1630	1200	0	0	320	110	70.6	100.0	2	1230	14	20	250	36	7	
TOTALS & AVE	1630	1200	0	0	320	110	70.6	100.0	2	1230	14	20	250	36	7	
CORINTH	190															
AUX VASES	180	0	0	0	150	30	90.9	100.0	0	2885	18	18	100	38	5	
STE GEN	40	0	0	0	40	0	100.0	0.0	0	2930	15	14	30	38	5	
TOTALS & AVE	220	0	0	0	190	30	97.8	100.0	0	2892	17	17	89	38	5	
CORINTH E	10															
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3030	10	14	30	38	5	
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3030	10	14	30	38	5	
CORENTH N	10															
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2930	16	18	100	36	5	
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2930	16	18	100	36	5	
COTTAGE GROVE	10															
OHARA	10	0	0	0	10	0	0.0	0.0	0	2970	7	15	150	38	5	
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2970	7	15	150	38	5	
COULTEPVILLE N	40															
SILURIAN	40	0	0	0	40	0	50.0	0.0	0	2290	25	12	20	42	3	
TOTALS & AVE	40	0	0	0	40	0	50.0	0.0	0	2290	25	12	20	42	3	
COVINGTON S	510															
MCCLOSKY	420	0	80	0	300	40	40.0	50.0	0	3310	5	17	100	36	7	
ST LOUIS	10	0	0	0	10	0	0.0	0.0	0	3375	4	17	20	36	8	
ULLIN	80	0	0	0	80	0	80.0	0.0	0	4150	12	12	25	36	9	
TOTALS & AVE	510	0	80	0	390	40	47.2	50.0	0	3571	6	15	76	36	8	
CRAIG	10															
TRENTON	10	0	0	0	10	0	0.0	0.0	0	3650	20	11	20	35	11	
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3650	20	11	20	35	11	
CRAVAT	120															
BENOIST	120	0	0	0	90	30	44.4	66.7	0	2070	10	18	100	34	8	
TOTALS & AVE	120	0	0	0	90	30	44.4	66.7	0	2070	10	18	100	34	8	
CRAVAT W	140															
PENNSYLVNIN	130	70	0	0	60	0	100.0	0.0	0	920	15	20	100	37	15	
BETHEL	10	0	0	0	10	0	0.0	0.0	0	2075	12	18	100	34	8	
TOTALS & AVE	140	70	0	0	70	0	85.7	0.0	0	987	15	20	100	37	15	
CROSSVILLE	110															
BETHEL	40	0	0	0	40	0	0.0	0.0	0	2880	9	15	25	38	5	
AUX VASES	30	0	0	0	30	0	0.0	0.0	0	3030	20	18	100	37	7	
STE GEN	80	0	0	0	80	0	0.0	0.0	0	3100	4	16	100	38	5	
TOTALS & AVE	150	0	0	0	150	0	0.0	0.0	0	3005	9	17	79	38	6	
CROSSVILLE W	210															
AUX VASES	130	90	0	0	40	0	50.0	0.0	0	3030	8	18	100	37	7	
STE GEN	120	80	0	0	40	0	0.0	0.0	0	3100	6	16	100	37	6	
TOTALS & AVE	250	170	0	0	80	0	25.0	0.0	0	3059	7	17	100	37	7	
DAHLGREN	610															
MCCLOSKY	610	0	0	0	330	280	10.0	0.0	0	3300	11	17	100	37	6	
ULLIN	10	0	0	0	10	0	0.0	0.0	0	4110	15	14	70	39	4	
TOTALS & AVE	620	0	0	0	340	280	9.7	0.0	0	3318	11	17	99	37	6	
DAHLGREN W	20															
ULLIN	20	0	0	0	20	0	50.0	0.0	1	4110	15	12	70	38	5	
TOTALS & AVE	20	0	0	0	20	0	50.0	0.0	1	4110	15	12	70	38	5	
DALE C	18070															
TAR SPRINGS	480	430	0	10	40	0	0.0	0.0	0	2400	19	18	50	36	7	
HARDINSBURG	120	100	0	0	20	0	100.0	0.0	0	2480	10	19	250	38	6	
CYPRESS	1500	1090	0	180	230	0	60.9	0.0	1	2519	16	18	150	39	5	
BETHEL	3400	2540	130	90	390	250	58.3	40.0	1	2975	18	17	49	38	5	
AUX VASES	16170	9770	1410	10	4120	860	56.8	91.5	9	3165	20	18	108	37	7	
STE GEN	3720	1290	370	610	1170	210	69.9	92.9	0	3232	14	16	103	37	6	
ST LOUIS	20	0	0	0	20	0	100.0	0.0	0	3163	10	8	30	39	4	
TOTALS & AVE	25410	15220	1910	900	5990	1320	59.6	81.9	11	3098	19	18	101	37	7	
DECATUR	110															
SILURIAN	110	0	0	0	110	0	0.0	0.0	0	2000	7	12	30	37	7	
TOTALS & AVE	110	0	0	0	110	0	0.0	0.0	0	2000	7	12	30	37	7	
DECATUR N	10															
SILURIAN	10	0	0	0	10	0	0.0	0.0	0	2200	10	13	30	38	6	
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2200	10	13	30	38	6	

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres				Remaining primary				No. of SWD* wells	Average properties				
		Pay acre	Active	Aban-	Unde-	Acres	% Active	Edges	Interior		Depth (ft)	Thick-	Poros-	Perme-	Grav-
Pay name	Pay acre	active	domed	unde-	Edges	Interior	Ridge	Interior	(ft)	ness (ft)	ity (%)	ability (md)	Gravity (*API)	Viscosity (cp)	
OFFERING CITY	110														
AUX VASES	80	70	0	0	10	0	100.0	0.0	0	2800	15	18	80	38	5
MCCLOSKY	30	0	0	0	30	0	100.0	0.0	0	2910	4	17	100	34	10
TOTALS & AVE	110	70	0	0	40	0	100.0	0.0	0	2810	12	18	82	38	5
DIVIDE C	3540														
AUX VASES	170	0	0	0	160	10	72.7	100.0	0	2620	10	18	100	38	5
STF GEN	2520	1060	130	0	1120	210	57.7	83.3	0	2700	11	14	200	38	5
ST LOUIS	190	0	0	0	190	0	73.3	0.0	0	2840	7	13	70	17	5
SALEM	970	0	0	80	720	170	94.0	80.0	0	3190	10	14	60	37	6
TOTALS & AVE	3850	1060	130	80	2190	390	72.1	82.3	0	2819	11	14	168	38	6
DIVIDE S	300														
MCCLOSKY	300	0	0	0	270	30	20.0	33.3	0	2880	5	14	100	37	6
TOTALS & AVE	300	0	0	0	270	30	20.0	33.3	0	2880	5	14	100	37	6
DIX S	20														
BENOIST	20	0	0	0	20	0	0.0	0.0	0	1950	8	18	100	35	8
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	1950	8	18	100	35	8
DOLLVILLE	90														
BETHEL	90	90	0	0	0	0	0.0	0.0	0	1509	4	18	50	37	6
TOTALS & AVE	90	90	0	0	0	0	0.0	0.0	0	1509	4	18	50	37	6
DUBOIS CENTRAL	180														
BENOIST	110	0	0	0	90	20	100.0	100.0	0	1330	12	18	100	30	15
SPAR MTN	70	0	0	0	70	0	66.7	0.0	0	1530	8	14	40	35	8
TOTALS & AVE	180	0	0	0	160	20	85.4	100.0	0	1390	10	17	82	31	13
DUBOIS C	1360														
CYPRESS	950	390	40	0	490	30	81.1	100.0	2	1230	10	18	93	37	6
BENOIST	460	0	0	30	370	60	87.1	83.3	2	1338	10	19	150	31	15
TOTALS & AVE	1410	390	40	30	860	90	83.7	88.9	4	1265	10	19	112	35	9
DUDLEY	650														
PENNSYLVANIA	650	0	0	0	330	320	80.0	90.6	0	310	40	18	100	24	75
TOTALS & AVE	650	0	0	0	330	320	80.0	90.6	0	310	40	18	100	24	75
DUDLEYVILLE E	20														
DEVONIAN	20	0	0	0	20	0	0.0	0.0	0	2370	5	12	50	37	7
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	2370	5	12	50	37	7
DUPO	880														
TRENTON	880	0	0	0	450	430	33.3	30.2	0	700	50	12	320	33	15
TOTALS & AVE	880	0	0	0	450	430	33.3	30.2	0	700	50	12	320	33	15
EBERLE	150														
CYPRESS	60	0	0	0	60	0	0.0	0.0	0	2475	10	17	50	37	7
STE GEN	110	0	0	0	100	10	0.0	0.0	1	2795	7	17	300	36	7
TOTALS & AVE	170	0	0	0	160	10	0.0	0.0	1	2655	8	17	191	36	7
EDINBURG	10														
LINGLE	10	0	0	0	10	0	0.0	0.0	0	1810	2	12	10	38	6
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	1810	2	12	10	38	6
EDINBURG S	20														
HIBBARD	20	0	0	0	20	0	0.0	0.0	0	1800	13	12	30	39	5
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	1800	13	12	30	39	5
EDINBURG N	1500														
DEVONIAN	50	0	0	20	30	0	66.7	0.0	0	1660	6	12	20	41	4
SILURIAN	1470	350	0	0	920	200	75.3	81.8	3	1700	12	11	10	41	4
TOTALS & AVE	1520	350	0	20	950	200	75.1	81.8	3	1699	12	11	10	41	4
ELBA	210														
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	2620	10	18	80	37	6
BETHEL	80	0	0	0	70	10	0.0	0.0	0	2660	10	17	90	36	6
RENAULT	10	0	0	0	10	0	0.0	0.0	0	2700	8	14	60	36	8
AUX VASES	120	0	0	0	110	10	0.0	0.0	0	2780	5	18	75	38	6
OHARA	40	0	0	0	40	0	0.0	0.0	0	2820	13	14	60	38	5
TOTALS & AVE	260	0	0	0	240	20	0.0	0.0	0	2734	8	16	61	37	6
ELBRIDGE	440														
PENNSYLVANIA	10	0	0	0	0	10	0.0	0.0	0	760	7	19	100	30	18
FREDONIA	430	0	0	0	230	190	0.0	95.0	3	950	3	22	500	35	7
DEVONIAN	20	0	0	0	20	0	0.0	0.0	0	1950	20	13	20	37	6
TOTALS & AVE	460	0	0	0	250	200	0.0	90.3	3	1170	4	20	375	35	7
ELDORADO C	3450														
PALESTINE	360	0	0	30	310	20	64.0	100.0	0	1925	18	18	200	36	7
WALTERSBURG	1930	1480	80	0	320	50	60.7	100.0	0	2150	15	19	200	38	4
TAR SPRINGS	260	0	0	0	250	10	87.0	100.0	2	2200	15	18	75	37	8
HARDEINSBURG	290	0	0	0	270	20	45.5	50.0	0	2350	20	18	100	38	5
CYPRESS	270	90	0	20	170	10	75.0	100.0	0	2590	9	18	70	37	5
SAMPLE BETH	70	0	0	40	30	0	100.0	0.0	0	2680	13	18	50	37	6
AUX VASES	890	60	0	90	680	60	59.0	66.7	1	2900	15	19	80	37	7
STE GEN	90	0	0	0	90	0	33.3	0.0	0	2900	8	15	100	39	5
TOTALS & AVE	4160	1630	80	180	2120	170	67.3	82.4	3	2342	15	19	149	37	5
ELDORADO F	400														
PALESTINE	30	0	0	0	30	0	0.0	0.0	0	1913	17	18	200	36	7
TAR SPRINGS	30	0	0	0	30	0	0.0	0.0	0	2200	10	17	200	35	6
CYPRESS	30	0	0	0	30	0	33.3	0.0	0	2520	20	18	80	37	5
AUX VASES	340	0	210	0	90	40	71.4	50.0	1	2890	7	18	75	38	5
SPAR MTN	10	0	0	0	10	0	0.0	0.0	0	2975	4	15	60	38	5
TOTALS & AVE	440	0	210	0	190	40	39.1	50.0	1	2649	9	18	102	37	5
ELDORADO H	50														
PALESTINE	40	0	0	0	40	0	33.3	0.0	0	1940	18	18	300	30	18
RENAULT	20	0	0	0	20	0	50.0	0.0	0	2910	6	17	100	37	6
AUX VASES	20	0	0	0	20	0	50.0	0.0	0	2960	7	19	75	38	5
TOTALS & AVE	80	0	0	0	80	0	41.7	0.0	0	2204	12	18	243	32	15

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Area acres	Waterflood acres				Remaining primary				No. of SWD* wells	Average properties				
		Acres		% Active		Edge	Interior	Edge	Interior		Depth (ft)	Thickness (ft)	Poros- ity (%)	Perme- ability (md)	Grav- ity (°API)
Pay name	Pay acres	Actu- tive	Aban- doned	Unde- veloped											
ELK PRAIRIE	20														
MCCLOSKY	20	0	0	0	20	0	50.0	0.0	0	2735	7	15	50	37	6
SALEM	10	0	0	0	10	0	100.0	0.0	0	3075	8	13	100	37	6
TOTALS & AVE	30	0	0	0	30	0	66.7	0.0	0	7859	7	14	68	37	6
ELKTON	40														
BALIY	40	0	0	0	40	0	0.0	0.0	0	2350	30	12	15	40	4
TOTALS & AVE	40	0	0	0	40	0	0.0	0.0	0	2350	30	12	15	40	4
ELKVILLE	10														
MENDIST	10	0	0	0	10	0	0.0	0.0	0	2000	10	17	50	36	7
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2000	10	17	50	36	7
ELLERY E	310														
AUX VASES	180	0	170	0	10	0	100.0	0.0	0	3180	10	18	50	36	7
STE GEN	190	0	170	0	20	0	0.0	0.0	0	3250	6	17	150	37	5
TOTALS & AVE	370	0	340	0	30	0	33.3	0.0	0	3207	8	18	89	36	6
ELLERY N	90														
BETHEL	20	0	0	0	20	0	50.0	0.0	0	3100	30	18	30	38	6
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	3100	15	18	50	36	7
STE GEN	70	0	0	0	70	0	33.3	0.0	0	3350	15	17	150	37	6
ST LOUIS	10	0	0	0	10	0	100.0	0.0	0	3520	6	12	15	37	6
TOTALS & AVE	110	0	0	0	110	0	48.5	0.0	0	3255	17	17	99	37	6
ELLERY S	90														
AUX VASES	30	0	0	0	30	0	0.0	0.0	0	3200	15	18	60	36	7
MCCLOSKY	60	0	0	0	60	0	0.0	0.0	0	3300	9	17	100	38	5
TOTALS & AVE	90	0	0	0	90	0	0.0	0.0	0	3255	11	17	82	37	6
ELLIOTTSTOWN	10														
SPAR MTN	10	0	0	0	10	0	0.0	0.0	0	2730	8	17	100	39	4
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2730	8	17	100	39	4
ELLIOTTSTOWN E	80														
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	2485	5	19	100	35	7
STE GEN	70	0	0	0	70	0	40.0	0.0	1	2761	10	16	121	37	6
TOTALS & AVE	80	0	0	0	80	0	35.0	0.0	1	2743	9	16	120	37	6
ELLIOTTSTOWN N	240														
CYPRESS	20	0	0	0	20	0	0.0	0.0	1	2430	8	18	80	36	7
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	2710	2	18	50	37	6
STE GEN	240	100	0	0	140	0	100.0	0.0	1	2727	15	17	264	37	6
TOTALS & AVE	270	100	0	0	170	0	88.2	0.0	2	2714	14	17	255	37	6
ENFIELD	380														
AUX VASES	220	150	0	0	70	0	60.0	0.0	0	3250	10	18	100	39	5
STE GEN	160	70	60	0	30	0	0.0	0.0	0	3300	12	16	40	38	5
TOTALS & AVE	380	220	60	0	100	0	42.0	0.0	0	3273	11	17	72	39	5
ENFIELD S	30														
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	3175	10	18	100	39	5
MCCLOSKY	30	0	0	0	30	0	0.0	0.0	0	3275	6	16	40	38	5
TOTALS & AVE	40	0	0	0	40	0	0.0	0.0	0	3239	7	17	61	38	5
EVERS	70														
STE GEN	70	0	0	0	70	0	40.0	0.0	0	2624	6	17	229	38	5
TOTALS & AVE	70	0	0	0	70	0	40.0	0.0	0	2624	6	17	229	38	5
EVERS S	10														
SPAR MTN	10	0	0	0	10	0	0.0	0.0	0	2650	8	16	200	38	5
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2650	8	16	200	38	5
EWING	170														
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2850	10	18	50	38	5
MCCLOSKY	160	0	0	0	110	50	50.0	0.0	0	2970	7	17	125	36	4
TOTALS & AVE	170	0	0	0	120	50	45.8	0.0	0	2960	7	17	119	36	4
EWING E	10														
SPAR MTN	10	0	0	0	10	0	0.0	0.0	0	3010	10	16	100	38	5
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3010	10	16	100	38	5
EXCHANGE	30														
STE GEN	30	0	0	0	30	0	0.0	0.0	0	2700	12	16	100	38	5
TOTALS & AVE	30	0	0	0	30	0	0.0	0.0	0	2700	12	16	100	38	5
EXCHANGE E	230														
STE GEN	220	150	0	0	70	0	66.7	0.0	1	2775	10	17	150	37	6
ST LOUIS	10	0	0	0	10	0	0.0	0.0	0	2940	8	12	20	38	5
TOTALS & AVE	230	150	0	0	80	0	58.3	0.0	1	2781	10	17	143	37	6
EXCHANGE N C	700														
STE GEN	190	0	0	0	140	50	76.9	100.0	1	2715	6	17	150	37	6
SALEM	10	0	0	0	10	0	100.0	0.0	0	3056	11	14	60	37	6
TOTALS & AVE	200	0	0	0	150	50	78.5	100.0	1	2745	6	17	142	37	6
EXCHANGE W	300														
STE GEN	240	120	0	0	110	10	100.0	100.0	0	2650	6	15	60	37	6
ST LOUIS	70	0	0	0	70	0	100.0	0.0	0	2771	8	12	20	38	5
TOTALS & AVE	310	120	0	0	180	10	100.0	100.0	0	2670	6	14	49	37	6
FAIRMAN	610														
BENOIST	480	130	0	0	290	60	55.6	33.3	2	1465	8	21	350	38	5
TRENTON	230	0	0	0	230	0	81.3	0.0	0	3950	20	12	20	40	5
TOTALS & AVE	710	130	0	0	520	60	66.9	33.3	2	2819	12	16	170	39	5
FANCHER	10														
BENOIST	10	0	0	0	10	0	0.0	0.0	0	1750	3	18	50	34	9
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	1750	3	18	50	34	9

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood area			Remaining primary			No. of SWD <sup>a</sup> wells	Average properties					
		Acres	% Active	Edge	Interior	Edge	Interior		Depth (ft)	Thickness (ft)	Porosity (%)	Permeability (md)	Gravity (°API)	Viscosity (cp)
Pay name	Pay acres	Act- ive	Aban- doned	Unde- veloped	Edge	Inter- ior	Edge	Interior						
FEHRER LAKE	10													
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2650	8	16	50	36
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2650	8	16	50	36
FITZGERRELL	10													
BENOIST	10	0	0	0	10	0	0.0	0.0	0	2760	11	17	50	37
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2800	10	16	50	37
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	2779	11	17	50	37
FLORA 5	60													
MCCLOSKY	60	0	40	0	20	0	0.0	0.0	0	2985	6	16	100	39
TOTALS & AVE	60	0	40	0	20	0	0.0	0.0	0	2985	6	16	100	39
FORSYTH	30													
SILURIAN	30	0	0	0	30	0	100.0	0.0	0	2120	14	12	20	38
TOTALS & AVE	30	0	0	0	30	0	100.0	0.0	0	2120	14	12	20	38
FRANCIS MILLS	10													
CYPRESS	10	0	0	0	10	0	100.0	0.0	0	2675	5	18	80	36
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	2675	5	18	80	36
FRANCIS MILLS S	20													
STF GEN	20	0	0	0	20	0	0.0	0.0	0	3010	8	16	150	37
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	3010	8	16	150	37
FREERBURG	20													
CYPRESS	20	0	0	0	20	0	0.0	0.0	0	380	30	18	80	30
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	380	30	18	80	30
FRIENDSVILLE GEN	50													
BETHHEL	50	0	0	0	50	0	0.0	0.0	0	2330	15	20	100	35
TOTALS & AVE	50	0	0	0	50	0	0.0	0.0	0	2330	15	20	100	35
FRIENDSVILLE N	220													
PENNSYLVNIN	220	40	100	0	80	0	100.0	0.0	0	1650	10	15	40	34
BETHHEL	10	0	0	10	0	0	0.0	0.0	0	2300	11	20	100	35
TOTALS & AVE	230	40	100	10	80	0	100.0	0.0	0	1681	10	15	43	34
FROGTOWN	90													
CYPRESS	90	0	0	0	90	0	0.0	0.0	0	950	7	20	200	32
TOTALS & AVE	90	0	0	0	90	0	0.0	0.0	0	950	7	20	200	32
FROGTOWN N	410													
ST LOUIS	60	0	0	0	60	0	60.0	0.0	0	1200	10	14	100	35
DEV-SIL	350	0	0	0	330	20	69.2	100.0	0	2225	50	18	200	35
TOTALS & AVE	410	0	0	0	390	20	67.8	100.0	0	7191	44	18	197	35
GAROS POINT C	650													
OHARA	650	0	0	0	450	200	60.9	100.0	0	2870	6	16	80	40
TOTALS & AVE	650	0	0	0	450	200	60.9	100.0	0	2870	6	16	80	40
GAYS	90													
AUX VASES	80	0	0	0	80	0	20.0	0.0	0	1970	5	17	50	36
CARPER	10	0	0	0	10	0	100.0	0.0	0	2950	16	12	10	37
DEVONTAN	10	0	0	0	10	0	0.0	0.0	0	3200	3	11	10	38
TOTALS & AVE	100	0	0	0	100	0	26.0	0.0	0	2298	6	15	37	36
GERMANTOWN E	380													
SILURIAN	380	220	0	0	120	40	90.0	100.0	1	2350	30	12	100	40
TOTALS & AVE	380	220	0	0	120	40	90.0	100.0	1	2350	30	12	100	40
GILA	430													
MCCLOSKY	430	170	0	0	60	0	50.0	0.0	0	2850	7	13	275	39
TOTALS & AVE	430	370	0	0	60	0	50.0	0.0	0	2850	7	13	275	39
GILLESPIE-WYEN	70													
PENNSYLVNIN	70	0	0	0	70	0	28.6	0.0	0	630	12	18	100	28
TOTALS & AVE	70	0	0	0	70	0	28.6	0.0	0	630	12	18	100	28
GLENARN	130													
SILURIAN	130	0	0	0	130	0	40.0	0.0	0	1680	9	14	20	40
TOTALS & AVE	130	0	0	0	130	0	40.0	0.0	0	1680	9	14	20	40
GOLDENGATE C	6700													
CYPRESS	90	0	0	90	0	0	0.0	0.0	0	2950	10	17	50	36
BETHHEL	350	130	20	60	140	0	72.7	0.0	0	3100	11	18	30	37
AUX VASES	3390	1010	590	420	1260	110	64.1	72.7	0	3200	15	18	100	40
STF GEN	4070	1210	410	320	1920	210	52.4	42.9	4	3250	10	16	102	37
ST LOUIS	20	0	0	10	10	0	100.0	0.0	0	3430	10	10	5	40
ULLIN	30	0	0	0	30	0	66.7	0.0	0	4115	4	12	20	39
DUTCH GREEK	350	0	0	100	170	80	100.0	100.0	0	5350	10	12	120	39
TOTALS & AVE	8300	2350	1020	1000	3530	400	60.0	67.5	4	3291	12	17	98	39
GOLDENGATE E	10													
OHARA	10	0	0	0	10	0	0.0	0.0	0	3290	3	16	100	37
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3290	3	16	100	37
GOLDENGATE N C	530													
BETHHEL	10	0	0	0	10	0	100.0	0.0	0	3100	10	18	30	38
AUX VASES	360	0	0	0	350	10	79.3	100.0	1	3230	20	18	100	39
STF GEN	280	0	0	0	270	10	66.7	100.0	0	3300	7	16	143	37
TOTALS & AVE	650	0	0	0	630	20	74.2	100.0	1	3243	14	18	108	39
GRANDVIEW	70													
PENNSYLVNIN	70	0	0	0	70	0	66.7	0.0	0	550	8	19	200	30
TOTALS & AVE	70	0	0	0	70	0	66.7	0.0	0	550	8	19	200	30
GRAYSON	30													
CYPRESS	10	0	0	0	10	0	100.0	0.0	0	2510	6	18	70	37
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2870	14	18	50	38
MCCLOSKY	20	0	0	0	20	0	50.0	0.0	0	2920	6	15	150	37
TOTALS & AVE	40	0	0	0	40	0	50.0	0.0	0	2821	8	17	91	37

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary				No. of SWD* wells	Average properties					
		Active	Aban- doned	Unde- veloped	Acres	% Active	Edge	Inter- ior		Depth (ft)	Thick- ness (ft)	Poro- sity (%)	Perme- ability (md)	Grav- ity (*API)	Vis- cosity (cp)
Pay name	Pay acres	Act- ive	Aban- doned	Unde- veloped	Edge	Inter- ior	Edge	Inter- ior							
GREENVILLE	10														
LINGLE	10	0	0	0	10	0	0.0	0.0	0	2240	5	12	100	38	5
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2240	5	12	100	38	5
HALF MOON	1170														
AUX VASES	20	0	0	0	20	0	50.0	0.0	0	3200	18	18	100	38	8
STE GEN	1160	1070	0	0	90	0	75.0	0.0	0	3280	8	17	100	39	5
TOTALS & AVE	1180	1070	0	0	110	0	70.5	0.0	0	3277	8	17	100	39	5
HARCO	980														
HARDINSBURG	10	0	0	0	10	0	100.0	0.0	0	2330	6	18	150	36	7
CYPRESS	10	0	0	0	10	0	100.0	0.0	0	2550	20	19	100	38	5
SAMPLE	20	0	0	0	20	0	0.0	0.0	2	2680	8	17	50	39	4
AUX VASES	880	100	0	0	580	200	73.9	94.4	1	2880	12	22	100	41	4
STE GEN	210	0	0	0	160	50	42.9	80.0	1	2920	10	14	40	39	5
TOTALS & AVE	1130	100	0	0	780	250	66.3	91.6	4	2876	12	21	90	41	4
HARCO E	250														
CYPRESS	70	0	30	0	40	0	25.0	0.0	0	2560	11	19	100	38	5
AUX VASES	200	0	130	0	70	0	16.7	0.0	0	2860	14	20	80	38	5
OHARA	30	0	0	20	10	0	100.0	0.0	0	2880	14	14	40	39	5
TOTALS & AVE	300	0	160	20	120	0	26.4	0.0	0	2804	13	19	80	38	5
HARRISBURG	100														
WALTERSBURG	90	70	0	0	20	0	100.0	0.0	0	2050	11	16	100	38	6
TAR SPRINGS	10	0	0	0	10	0	100.0	0.0	0	2085	6	18	75	37	6
TOTALS & AVE	100	70	0	0	30	0	100.0	0.0	0	2052	11	16	99	38	6
HARRISBURG S	10														
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	2310	6	18	80	37	7
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2310	6	18	80	37	7
HARRISTOWN	190														
SILURIAN	190	0	0	0	180	10	36.4	100.0	0	2060	3	12	10	39	4
TOTALS & AVE	190	0	0	0	180	10	36.4	100.0	0	2060	3	12	10	39	4
HAYES	460														
TRENTON	460	0	0	0	270	190	100.0	100.0	0	900	99	12	2	31	28
TOTALS & AVE	460	0	0	0	270	190	100.0	100.0	0	900	99	12	2	31	28
HERALD C	8260														
PENNSYLVNIN	340	0	70	60	210	0	47.1	0.0	0	1540	9	16	31	35	8
DEGUNIA	80	0	0	70	70	10	0.0	0.0	0	1930	18	17	56	36	7
CLORE	60	0	0	30	30	0	100.0	0.0	0	1950	10	18	100	36	6
PALESTINE	10	0	0	0	10	0	100.0	0.0	0	1940	20	17	50	34	4
WALTERSBURG	510	270	0	0	180	60	72.7	66.7	0	2250	10	20	100	33	8
TAR SPRINGS	690	140	0	90	460	0	64.1	0.0	0	2251	10	17	113	38	5
CYPRESS	1880	900	80	110	780	10	57.4	100.0	1	2650	14	16	73	35	6
BETHEL	180	0	0	0	180	0	31.3	0.0	0	2800	11	16	32	37	5
AUX VASES	3040	1020	260	180	1290	290	69.6	100.0	0	2905	14	15	100	38	5
STE GEN	510	0	0	120	390	0	60.6	0.0	0	2968	10	15	66	36	6
TOTALS & AVE	7300	2330	410	590	3600	370	61.2	91.9	1	2682	13	16	87	37	6
HERRIN	10														
CYPRESS	10	0	0	0	10	0	100.0	0.0	0	2210	8	17	50	38	5
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	2210	8	17	50	38	5
HICKORY HILL	60														
CYPRESS	10	0	0	10	0	0	0.0	0.0	0	2475	10	18	100	36	6
BENOIST	20	20	0	0	0	0	0.0	0.0	0	2650	7	16	50	37	6
SPAR MTN	10	0	0	10	0	0	0.0	0.0	0	2830	6	16	100	37	6
TOTALS & AVE	40	20	0	20	0	0	0.0	0.0	0	2628	8	17	77	37	6
HIDALGO	50														
MCCLOSKY	50	0	0	0	50	0	25.0	0.0	0	2575	5	14	150	37	5
TOTALS & AVE	50	0	0	0	50	0	25.0	0.0	0	2575	5	14	150	37	5
HIDALGO E	10														
MCCLOSKY	10	0	0	0	10	0	100.0	0.0	0	2467	6	15	175	37	5
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	2467	6	15	175	37	5
HIDALGO N	220														
STE GEN	220	0	0	0	210	10	66.7	100.0	0	2650	10	16	200	37	6
TOTALS & AVE	220	0	0	0	210	10	66.7	100.0	0	2650	10	16	200	37	6
HIDALGO S	50														
MCCLOSKY	50	0	0	0	50	0	75.0	0.0	0	2630	4	15	100	37	5
TOTALS & AVE	50	0	0	0	50	0	75.0	0.0	0	2630	4	15	100	37	5
HIGHLAND	10														
HARDIN	10	0	0	0	10	0	0.0	0.0	0	1940	7	14	40	37	26
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	1940	7	14	40	37	26
HILL	40														
MCCLOSKY	40	0	0	0	40	0	0.0	0.0	0	2554	5	17	163	39	5
TOTALS & AVE	40	0	0	0	40	0	0.0	0.0	0	2554	5	17	163	39	5
HILL E	480														
CYPRESS	290	0	190	0	90	10	25.0	100.0	0	2460	13	18	100	37	7
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	2650	10	18	50	37	6
STE GEN	240	0	0	0	200	40	63.6	100.0	0	2690	7	17	175	39	5
ST LOUIS	10	0	0	0	10	0	100.0	0.0	0	2929	14	13	22	37	6
TOTALS & AVE	550	0	190	0	310	50	54.8	100.0	0	2543	10	18	119	38	6
HILLSBORO	40														
LINGLE	40	0	0	0	40	0	0.0	0.0	0	2010	4	12	30	36	8
TOTALS & AVE	40	0	0	0	40	0	0.0	0.0	0	2010	4	12	30	36	8
HOFFMAN	350														
CYPRESS	180	0	0	0	180	0	72.2	0.0	2	1200	11	19	150	36	10
BENOIST	240	0	0	0	160	80	80.0	100.0	0	1920	8	17	50	33	11
TOTALS & AVE	420	0	0	0	340	80	75.9	100.0	2	1259	9	18	101	35	10

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary				No. of SMDW wells	Average properties					
		Act- ive	Aban- doned	Unde- veloped	Edge	Inter- ior	Nea- rby	Intra- rior		Depth (ft)	Thick- ness (ft)	Poro- city (%)	Perme- ability (md)	Grav- ity (°API)	Vis- cosity (cp)
Pay name	Pay acres														
HONDOVILLE F	10														
MCCLOSKEY	10	0	0	0	10	0	0.0	0.0	0	3365	3	15	100	37	6
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3365	3	15	100	37	6
HORD	270														
AUX VASES	70	40	0	0	30	0	0.0	0.0	0	2700	10	17	50	38	8
STE GEN	270	40	0	40	170	20	0.0	0.0	0	2796	7	17	490	37	6
TOTALS & AVE	340	80	0	40	200	20	0.0	0.0	0	2770	8	17	371	37	7
HORD N	60														
CYPRESS	40	0	0	0	40	0	66.7	0.0	0	2430	8	18	75	33	15
AUX VASES	30	0	0	0	30	0	66.7	0.0	0	2630	10	18	50	38	8
TOTALS & AVE	70	0	0	0	70	0	66.7	0.0	0	2527	9	18	63	35	12
HORD S C	360														
AUX VASES	20	0	0	10	10	0	100.0	0.0	0	2735	8	18	50	37	7
STE GEN	360	230	0	120	10	0	0.0	0.0	0	7790	6	17	561	36	7
TOTALS & AVE	380	230	0	130	20	0	50.0	0.0	0	2786	6	17	576	36	7
HORNSBY S	50														
PENNSYLVNIN	50	0	0	0	50	0	0.0	0.0	0	640	10	18	100	28	36
TOTALS & AVE	50	0	0	0	50	0	0.0	0.0	0	640	10	18	100	28	36
HOYLETON W	10														
CLEAR CREEK	10	0	0	0	10	0	0.0	0.0	0	2890	20	14	30	39	4
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2890	20	14	30	39	4
HUEY	80														
RENOIST	80	0	0	0	80	0	14.3	0.0	0	1250	7	17	50	34	10
TOTALS & AVE	80	0	0	0	80	0	14.3	0.0	0	1250	7	17	50	34	10
HUEY S	310														
CYPRESS	190	0	0	0	140	50	72.7	100.0	0	1080	5	19	150	34	9
SILURIAN	110	0	0	0	110	0	71.4	0.0	0	2600	15	12	100	40	6
TOTALS & AVE	300	0	0	0	250	50	72.2	100.0	0	2045	9	15	118	38	7
HUNT CITY	10														
SPAR MTN	10	0	0	0	10	0	0.0	0.0	0	2540	10	16	200	37	5
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2540	10	16	200	37	5
HUNT CITY E	80														
PREDUNIA	80	0	0	0	80	0	66.7	0.0	0	1840	8	15	100	40	4
ST LOUITS	10	0	0	0	10	0	100.0	0.0	0	2187	20	12	20	39	4
TOTALS & AVE	90	0	0	0	90	0	70.4	0.0	0	1923	9	14	81	40	4
HUNT CITY S	30														
MCCLOSKEY	30	0	0	0	30	0	66.7	0.0	0	2341	4	15	150	38	4
TOTALS & AVE	30	0	0	0	30	0	66.7	0.0	0	2341	4	15	150	38	4
HUTTON	20														
PENNSYLVNIN	20	0	0	0	20	0	0.0	0.0	0	530	15	19	200	30	18
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	530	15	19	200	30	18
TNA	430														
RENAULT	150	130	0	0	20	0	0.0	0.0	0	2640	10	22	96	36	6
AUX VASES	30	0	0	0	30	0	66.7	0.0	0	2700	26	18	100	36	7
STE GEN	110	110	0	0	0	0	0.0	0.0	0	2750	8	13	25	35	8
ST LOUIS	90	0	0	0	90	0	57.1	0.0	0	3020	7	13	25	37	6
SALEM	40	0	0	0	40	0	50.0	0.0	0	3210	9	12	100	37	6
TOTALS & AVE	420	240	0	0	180	0	50.8	0.0	0	2782	10	17	71	36	7
INA N	10														
MCCLOSKEY	10	0	0	0	10	0	0.0	0.0	0	2770	10	16	80	35	8
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2770	10	16	80	35	8
INCLOSE	110														
PENNSYLVNIN	110	0	0	0	40	70	100.0	100.0	0	345	8	20	200	30	18
TOTALS & AVE	110	0	0	0	40	70	100.0	100.0	0	345	8	20	200	30	18
INGRAMHAM	540														
AUX VASES	60	0	0	10	50	0	20.0	0.0	0	2915	15	18	50	38	7
STE GEN	490	0	420	0	70	0	25.0	0.0	0	3000	8	15	200	38	5
TOTALS & AVE	550	0	420	10	120	0	22.9	0.0	0	2984	9	16	172	38	5
INMAN E C	4400														
PENNSYLVNIN	70	0	0	70	0	0	0.0	0.0	0	800	10	16	50	35	8
DEGONTA	90	0	0	90	0	0	0.0	0.0	0	1690	10	15	30	37	6
CLORE	50	50	0	0	0	0	0.0	0.0	0	1725	8	18	100	36	6
PALESTINE	90	40	0	50	0	0	0.0	0.0	0	1850	12	18	200	35	8
HALTERSBURG	1220	850	0	0	350	20	91.7	66.7	1	2000	15	20	100	37	6
TAR SPRINGS	1840	760	840	40	160	40	30.8	25.0	0	2100	13	18	75	37	6
HARDINSBURG	280	300	0	0	60	0	0.0	0.0	0	2150	10	17	50	34	8
CYPRESS	2350	1480	190	10	220	0	66.7	0.0	0	2180	12	19	200	37	6
RENAULT	10	0	0	0	10	0	100.0	0.0	0	2675	5	18	75	36	6
AUX VASES	490	0	150	110	230	0	52.9	0.0	0	2700	9	18	100	37	5
STE GEN	140	0	0	110	30	0	0.0	0.0	0	2800	7	15	30	38	5
ST LOUITS	30	0	0	0	30	0	66.7	0.0	0	2960	10	12	20	38	5
TOTALS & AVE	6660	3480	1180	480	1090	60	81.1	38.9	1	2130	12	19	124	37	6
INMAN W C	3740														
PENNSYLVNIN	170	130	0	0	40	0	0.0	0.0	0	1550	10	16	50	35	8
PALESTINE	40	0	0	0	40	0	75.0	0.0	0	1750	13	18	200	35	8
WALTERSBURG	130	0	0	20	90	20	85.7	100.0	1	2100	10	20	100	37	6
TAR SPRINGS	1250	320	110	100	650	70	77.3	85.7	0	2150	10	18	75	36	6
HARDINSBURG	260	80	0	10	170	0	56.3	0.0	1	2260	10	17	50	32	9
CYPRESS	2130	630	190	0	1170	140	83.0	85.7	1	2475	10	17	100	37	6
SAMPLE	50	0	0	0	50	0	80.0	0.0	0	2744	10	14	34	36	7
RENAULT	30	0	0	0	30	0	100.0	0.0	0	2775	7	17	60	37	6
AUX VASES	860	0	0	30	670	160	83.0	87.5	0	2800	15	16	40	37	5
STE GEN	250	0	0	10	240	0	56.5	0.0	0	2810	15	15	35	38	5
ST LOUITS	10	0	0	0	10	0	100.0	0.0	0	3180	6	12	20	39	4
TOTALS & AVE	5180	1160	300	170	3180	390	77.5	87.2	3	2451	11	17	79	37	6

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres				Remaining primary				No. of SWD wells	Average properties				
		Pay acres	Active	Aban-	Unde-	Acres	Inter-	% Active	Interior		Depth (ft)	Thick-	Poro-	Perme-	Grav-
Pay name				doned	veloped	Edge	erior	Edge	Interior		(ft)	ness (ft)	city (%)	ability (md)	osity (cp)
IOLA CENTRAL	20														
BENOIST	20	0	0	0	0	20	0	50.0	0.0	0	2420	5	16	80	36
TOTALS & AVE	20	0	0	0	0	20	0	50.0	0.0	0	2420	5	16	80	36
IOLA C	3240														
TAR SPRINGS	20	20	0	0	0	0	0	0.0	0.0	0	1890	9	17	50	35
CYPRESS	700	0	0	410	200	90	81.3	88.9	2	2125	15	18	100	35	
BETHEL	60	60	0	0	0	0	0.0	0.0	0	2250	10	16	50	36	
BENOIST	1230	820	0	100	140	170	81.6	86.2	2	2300	12	16	80	36	
RENAULT	10	0	0	0	10	0	100.0	0.0	0	2320	6	15	90	37	
AUX VASES	2270	630	800	0	540	300	59.5	86.2	0	2350	14	16	80	36	
STE GEN	1360	260	0	110	870	120	50.8	83.3	0	2400	13	16	100	37	
TOTALS & AVE	5650	1990	600	620	1760	680	59.7	86.6	4	2919	13	16	87	36	
IOLA S	240														
BENOIST	160	0	0	0	150	10	41.7	100.0	0	2490	10	16	80	36	
STE GEN	130	0	0	0	130	0	45.5	0.0	0	2600	5	17	150	37	
CARPER	10	0	0	0	10	0	100.0	0.0	0	3900	7	16	30	38	
TOTALS & AVE	300	0	0	0	290	10	45.4	100.0	0	2563	8	16	98	36	
IOLA N	10														
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	2500	11	15	100	37	
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2500	11	15	100	37	
IRVINGTON	1390														
GOLDONDA	10	0	0	0	10	0	0.0	0.0	0	1550	3	14	30	38	
CYPRESS	410	230	0	0	150	30	75.0	100.0	1	1380	17	18	100	36	
BENOIST	1020	170	0	0	460	390	77.1	100.0	7	1530	12	18	100	37	
CLEAR CREEK	280	0	0	70	170	40	87.5	100.0	0	3090	20	10	15	39	
TRENTON	110	0	0	0	110	0	100.0	0.0	0	4250	90	6	3	39	
TOTALS & AVE	1830	400	0	70	900	460	80.7	100.0	8	2598	18	13	56	38	
IRVINGTON E	340														
PENNSYLVANIA	40	0	0	0	40	0	75.0	0.0	1	1030	15	20	100	32	
CYPRESS	120	0	0	0	90	30	75.0	100.0	0	1750	15	18	100	37	
BENOIST	260	40	0	0	180	40	100.0	100.0	0	1950	8	18	100	37	
TOTALS & AVE	420	40	0	0	310	70	89.5	100.0	1	1746	11	18	100	36	
IRVINGTON N	290														
CYPRESS	40	0	0	0	40	0	100.0	0.0	0	1350	16	18	100	37	
BENOIST	250	0	0	0	140	110	100.0	100.0	0	1470	6	18	100	39	
TOTALS & AVE	290	0	0	0	180	110	100.0	100.0	0	1434	7	18	100	38	
IRVINGTON W	50														
CYPRESS	50	0	0	0	50	0	75.0	0.0	0	1460	20	18	100	36	
TOTALS & AVE	50	0	0	0	50	0	75.0	0.0	0	1460	20	18	100	36	
IUKA	710														
AUX VASES	40	0	0	0	40	0	0.0	0.0	0	2525	11	17	80	37	
STE GEN	580	190	0	0	290	100	75.2	50.0	1	2650	10	17	150	38	
ST LOUIS	200	0	0	40	160	0	100.0	0.0	0	2775	5	14	25	37	
TOTALS & AVE	820	190	0	40	490	100	77.7	50.0	1	2660	9	17	128	38	
IUKA N	50														
MCCLOSKY	50	0	0	0	50	0	50.0	0.0	0	2700	5	17	150	37	
TOTALS & AVE	50	0	0	0	50	0	50.0	0.0	0	2700	5	17	150	37	
JACKSONVILLE GAS	80														
PENNSYLVANIA	80	0	0	0	80	0	12.5	0.0	0	1390	5	20	400	37	
TOTALS & AVE	80	0	0	0	80	0	12.5	0.0	0	1390	5	20	400	37	
JOHNSON N	2360														
PENNSYLVANIA	2360	620	700	0	780	260	35.5	62.5	0	414	34	20	364	33	
MCCLOSKY	50	0	0	0	50	0	50.0	0.0	0	550	8	16	100	35	
CARPER	290	0	0	0	160	130	77.8	100.0	0	1325	30	15	5	37	
TOTALS & AVE	2700	620	700	0	990	390	43.1	75.0	0	503	33	19	310	33	
JOHNSON S	2050														
PENNSYLVANIA	2040	1510	0	0	360	170	0.0	0.0	0	420	46	19	260	30	
AUX VASES	60	0	0	20	20	0	0.0	0.0	0	720	20	14	15	35	
TOTALS & AVE	2080	1510	0	20	380	170	0.0	0.0	0	423	46	19	248	30	
JOHNSONVILLE C	8680														
BETHEL	30	0	0	0	30	0	100.0	0.0	0	2950	12	17	50	36	
AUX VASES	2640	2640	0	0	0	0	0.0	0.0	1	3010	17	19	95	38	
STE GEN	8000	5870	0	30	1060	1040	34.0	72.1	2	3110	10	15	139	38	
ST LOUIS	90	0	0	0	90	0	75.0	0.0	0	3250	14	12	30	38	
SALEM	40	0	0	0	40	0	100.0	0.0	0	3850	8	13	30	39	
TOTALS & AVE	10800	8510	0	30	1220	1040	40.8	72.1	3	3077	12	16	122	38	
JOHNSONVILLE N	100														
STE GEN	100	0	0	0	100	0	0.0	0.0	0	3190	7	15	150	38	
TOTALS & AVE	100	0	0	0	100	0	0.0	0.0	0	3190	7	14	150	38	
JOHNSONVILLE S	420														
AUX VASES	340	290	0	0	50	0	33.3	0.0	0	3050	18	20	80	38	
STE GEN	120	0	0	50	70	0	0.0	0.0	0	3160	5	15	70	38	
TOTALS & AVE	460	290	0	50	120	0	13.9	0.0	0	3060	15	20	79	38	
JOHNSONVILLE W	750														
BETHEL	10	0	0	0	10	0	100.0	0.0	0	2900	6	16	50	37	
AUX VASES	370	140	0	0	220	10	88.2	100.0	0	2900	6	19	100	37	
STE GEN	370	120	20	0	230	0	50.0	0.0	0	2930	7	16	118	40	
TOTALS & AVE	750	260	20	0	460	10	69.4	100.0	0	2916	6	17	109	39	
JOHNSTON CITY E	140														
CYPRESS	130	70	0	0	60	0	100.0	0.0	0	2290	20	19	100	37	
AUX VASES	140	70	0	0	70	0	100.0	0.0	0	2620	10	18	100	36	
STE GEN	10	0	0	0	10	0	100.0	0.0	0	2660	10	15	40	38	
TOTALS & AVE	280	140	0	0	140	0	100.0	0.0	0	2412	15	19	99	37	

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acre				Remaining primary				No. of SWD* wells	Average properties				
						Acres	% Active	Depth (ft)	Thickness (ft)		Forcility (%)	Permeability (md)	Gravity (°API)	Viscosity (cp)	
Pay name	Pay acres	Acti- ve	Aband- oned	Unde- veloped	Edge	Ince- rior	Edge	Ince- rior							
JUNCTION	360														
PENNSYLVNIN	30	0	0	0	30	0	33.3	0.0	0	1150	7	16	50	35	
WALTERSBURG	290	220	0	0	70	0	80.0	0.0	0	1750	14	19	100	37	
HARDINSBURG	10	0	0	0	10	0	0.0	0.0	0	2120	10	17	50	34	
CYPRESS	20	0	0	10	10	0	100.0	0.0	0	2275	12	18	150	37	
MCCLOSKY	10	0	0	0	10	0	100.0	0.0	0	2730	9	15	30	37	
TOTALS & AVE	360	220	0	10	130	0	66.2	0.0	0	1777	13	19	90	37	
JUNCTION E	20														
WALTERSBURG	20	0	0	0	20	0	100.0	0.0	0	1750	14	19	100	37	
TOTALS & AVE	20	0	0	0	20	0	100.0	0.0	0	1750	14	19	100	37	
JUNCTION N	190														
PENNSYLVNIN	100	0	0	0	100	0	50.0	0.0	0	1550	16	16	50	36	
CYPRESS	30	0	0	0	30	0	33.3	0.0	0	2450	10	18	100	37	
AUX VASES	40	0	0	0	40	0	100.0	0.0	0	2725	5	16	30	36	
SPAR MTN	40	0	0	0	40	0	50.0	0.0	0	2860	6	15	40	37	
TOTALS & AVE	210	0	0	0	210	0	57.1	0.0	0	1900	11	16	54	36	
JUNCTION CITY C	160														
PENNSYLVNIN	160	0	0	0	160	0	0.0	0.0	1	600	8	18	100	32	
TOTALS & AVE	160	0	0	0	160	0	0.0	0.0	1	600	8	18	100	32	
KEENSBURG E	40														
STE GEN	40	0	0	0	40	0	0.0	0.0	0	2700	16	17	150	38	
TOTALS & AVE	40	0	0	0	40	0	0.0	0.0	0	2700	16	17	150	38	
KEENSBURG S	280														
PENNSYLVNIN	130	70	0	0	60	0	66.7	0.0	0	1200	10	15	50	33	
CYPRESS	130	100	10	0	20	0	0.0	0.0	0	2400	9	18	100	36	
OHARA	20	0	0	10	10	0	100.0	0.0	0	2715	10	17	150	38	
TOTALS & AVE	280	170	10	10	90	0	55.6	0.0	0	1839	10	16	79	35	
KEENVILLE	710														
AUX VASES	340	0	180	30	130	0	9.1	0.0	0	2960	20	20	155	37	
STE GEN	440	0	240	10	190	0	42.9	0.0	0	3050	11	17	100	37	
TOTALS & AVE	780	0	420	40	320	0	29.1	0.0	0	2997	15	19	132	37	
KEENVILLE E	90														
STE GEN	80	0	0	0	80	0	80.0	0.0	0	3140	10	17	150	37	
ST LOUIS	10	0	0	0	10	0	100.0	0.0	0	3190	10	12	20	39	
TOTALS & AVE	90	0	0	0	90	0	82.2	0.0	0	3146	10	16	136	37	
KELL	50														
MCCLOSKY	50	0	0	0	50	0	0.0	0.0	1	2350	6	17	200	37	
TOTALS & AVE	50	0	0	0	50	0	0.0	0.0	1	2350	6	17	200	37	
KELL W	10														
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	2350	6	17	400	38	
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2350	6	17	400	38	
KELLERVILLE	550														
SILURIAN	550	0	0	0	450	100	67.6	100.0	0	623	5	13	40	37	
TOTALS & AVE	550	0	0	0	450	100	67.6	100.0	0	623	5	13	40	37	
KENNER	1190														
TAR SPRINGS	10	0	0	10	0	0	0.0	0.0	0	2200	7	15	100	37	
BENOIST	690	450	180	30	30	0	100.0	0.0	0	2700	13	15	57	37	
RENAULT	210	20	0	60	120	10	90.9	100.0	0	2760	10	16	51	37	
AUX VASES	820	50	560	0	160	50	91.7	100.0	1	2822	22	17	75	38	
STE GEN	80	0	0	30	50	0	60.0	0.0	0	2875	9	16	100	37	
ST LOUIS	10	0	0	0	10	0	100.0	0.0	0	2980	4	12	20	38	
CARPER	10	0	0	0	10	0	0.0	0.0	0	4220	10	11	20	39	
DEVONIAN	10	0	0	0	10	0	0.0	0.0	0	4425	95	10	10	39	
TOTALS & AVE	1840	520	740	140	380	60	85.7	100.0	1	2815	17	16	67	38	
KENNER N	390														
BENOIST	390	0	50	0	230	110	6.3	0.0	1	2750	10	17	40	37	
MCCLOSKY	80	0	0	20	50	10	0.0	0.0	0	2970	6	17	100	37	
TOTALS & AVE	470	0	50	20	280	120	5.1	0.0	1	2774	9	17	47	37	
KENNER S	30														
BENOIST	20	0	0	0	20	0	100.0	0.0	0	2730	5	17	50	37	
MCCLOSKY	30	0	0	0	10	0	50.0	0.0	0	2870	10	17	100	37	
TOTALS & AVE	50	0	0	0	30	0	83.3	0.0	0	2835	8	17	68	37	
KENNER W	410														
CYPRESS	350	350	0	0	0	0	0.0	0.0	0	2600	20	18	125	37	
BENOIST	230	230	0	0	0	0	0.0	0.0	0	2700	10	17	50	38	
RENAULT	10	0	0	0	10	0	0.0	0.0	0	2800	10	16	60	37	
AUX VASES	110	80	0	0	30	0	50.0	0.0	0	2800	16	17	70	38	
MCCLOSKY	20	0	0	0	20	0	50.0	0.0	0	2870	4	16	100	38	
TOTALS & AVE	720	660	0	0	60	0	41.7	0.0	0	2655	16	18	100	37	
KEYSPORT	180														
BENOIST	180	0	0	0	140	40	92.3	100.0	2	1180	8	17	50	35	
TOTALS & AVE	180	0	0	0	140	40	92.3	100.0	2	1180	8	17	50	35	
KINGAID C	2620														
HIBBARD	2620	0	0	0	1050	1570	93.0	98.1	0	1800	19	12	10	38	
SILURIAN	10	0	0	0	10	0	100.0	0.0	0	1875	7	10	20	38	
TOTALS & AVE	2630	0	0	0	1060	1570	93.1	98.1	0	1800	19	12	10	38	
KING	1430														
RENAULT	10	0	0	0	10	0	100.0	0.0	0	2720	10	17	50	39	
AUX VASES	1380	340	0	400	510	150	5.7	92.3	0	2725	15	18	99	39	
STE GEN	320	0	0	120	200	0	75.0	0.0	0	2760	9	16	69	38	
TOTALS & AVE	1710	340	0	520	720	150	26.3	92.3	0	2730	14	18	95	39	

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary				No. of SWP* wells	Average properties					
					Acres	% Active	Edge	Interior		Depth (ft)	Thickness (ft)	Porosity (%)	Permeability (md)	Gravity (°API)	Viscosity (cp)
Pay name	Pay acres	Active	Abandoned	Undeveloped	Edge	Interior	Edge	Interior							
KINMUNDY	80														
BENOIST	20	0	0	0	20	0	0.0	0.0	0	1915	5	16	75	34	9
SALEM	10	0	0	0	10	0	0.0	0.0	0	2430	7	13	30	36	7
CARPER	50	0	0	0	50	0	60.0	0.0	0	3382	17	13	16	37	7
TOTALS & AVE	80	0	0	0	80	0	37.5	0.0	0	3173	13	13	23	37	7
KINMUNDY N	10														
BENOIST	10	0	0	0	10	0	0.0	0.0	0	2040	10	16	75	34	9
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2040	10	16	75	34	9
LACLEDE	40														
BENOIST	40	0	0	0	40	0	25.0	0.0	0	2335	15	17	75	36	7
TOTALS & AVE	40	0	0	0	40	0	25.0	0.0	0	2335	15	17	75	36	7
LAKEWOOD	120														
BENOIST	70	0	0	0	70	0	42.9	0.0	0	1700	8	18	50	30	29
AUX VASES	50	0	0	0	50	0	0.0	0.0	0	1720	8	17	50	32	10
TOTALS & AVE	120	0	0	0	120	0	25.0	0.0	0	1708	8	18	50	31	21
LANCASTER	1490														
TAR SPRINGS	10	0	0	0	10	0	0.0	0.0	0	2050	10	18	100	31	15
BETHEL	980	680	0	0	250	50	80.0	80.0	1	2500	19	17	50	36	7
STE GEN	520	0	0	30	380	110	60.7	20.0	1	2650	7	17	200	40	4
TOTALS & AVE	1510	680	0	30	640	160	67.3	38.8	2	2522	15	17	75	37	7
LANCASTER CENTRA	230														
STE GEN	230	0	0	0	170	60	0.0	33.3	0	2750	12	17	100	37	5
TOTALS & AVE	230	0	0	0	170	60	0.0	33.3	0	2750	12	17	100	37	5
LANCASTER E	60														
PENNSYLVNIN	50	0	0	0	50	0	75.0	0.0	0	1750	10	18	100	31	21
SPAR MTN	10	0	0	0	10	0	100.0	0.0	0	2660	6	17	150	39	4
TOTALS & AVE	60	0	0	0	60	0	79.2	0.0	0	1848	9	18	105	32	19
LANCASTER S	290														
BETHEL	770	40	100	0	120	10	50.0	0.0	0	2500	10	17	50	36	7
STE GEN	30	0	0	0	30	0	66.7	0.0	0	2670	9	16	100	39	4
TOTALS & AVE	300	40	100	0	150	10	53.3	0.0	0	2515	10	17	55	36	7
LANGEWISCH-KUEST	110														
PENNSYLVNIN	10	0	0	0	10	0	100.0	0.0	0	800	8	18	100	32	15
CYPRESS	100	0	0	0	100	0	30.0	0.0	0	1600	10	18	100	35	8
TOTALS & AVE	110	0	0	0	110	0	36.4	0.0	0	1541	10	18	100	35	9
LAWRENCE	35460														
PENNSYLVNIN	10450	970	30	2610	1140	680	65.6	87.7	5	826	30	19	100	36	7
TAR SPRINGS	70	0	0	10	10	0	100.0	0.0	0	1400	10	19	100	34	9
HARDINSBURG	20	0	0	10	10	0	100.0	0.0	0	1570	10	15	75	33	11
GOLCONDA	1290	710	0	520	60	0	100.0	0.0	0	1251	10	16	50	33	12
CYPRESS	21730	14770	320	1140	3760	1610	79.1	66.9	0	1356	26	18	91	40	6
PT CK GROUP	9130	4240	1700	750	1900	540	58.1	57.7	0	1650	20	16	41	35	8
BENOIST	140	0	0	20	100	20	100.0	100.0	0	1700	10	12	5	37	6
AUX VASES	660	0	0	90	560	10	68.6	100.0	0	1746	8	17	48	38	6
STE GEN	11820	2680	0	5360	2780	1000	51.8	90.8	0	1750	11	19	288	38	5
ST LOUIS	190	0	0	130	60	0	100.0	0.0	0	1660	10	10	10	35	8
SALEM	30	0	0	10	20	0	100.0	0.0	0	1950	3	14	37	36	6
TOTALS & AVE	55480	28370	2050	10650	10400	3860	66.5	75.7	5	1307	22	18	106	38	7
LAWRENCE W	580														
PT CK GROUP	520	260	0	0	220	40	47.1	100.0	0	2050	10	17	36	35	6
AUX VASES	20	0	0	0	20	0	100.0	0.0	0	2100	8	16	50	36	7
STE GEN	40	0	0	10	30	0	33.3	0.0	0	2190	9	18	200	40	3
TOTALS & AVE	580	260	0	10	270	40	49.5	100.0	0	2060	10	17	47	35	6
LEXINGTON	140														
CYPRESS	10	0	0	0	10	0	100.0	0.0	0	2600	10	17	100	32	15
MCCLOSKY	130	0	0	0	120	10	10.0	0.0	0	2970	8	17	100	38	5
TOTALS & AVE	140	0	0	0	130	10	16.9	0.0	0	2938	8	17	100	37	6
LEXINGTON N	20														
STE GEN	20	0	0	0	20	0	0.0	0.0	0	2915	4	17	100	38	5
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	2915	4	17	100	38	5
LILLYVILLE	150														
MCCLOSKY	150	90	0	0	60	0	100.0	0.0	0	2425	10	17	200	36	6
TOTALS & AVE	150	90	0	0	60	0	100.0	0.0	0	2425	10	17	200	36	6
LIS	10														
SPAR MTN	10	0	0	0	10	0	0.0	0.0	0	3020	5	16	100	37	6
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3020	5	16	100	37	6
LITCHFIELD	150														
PENNSYLVNIN	150	0	0	0	150	0	0.0	0.0	0	660	17	18	100	23	99
TOTALS & AVE	150	0	0	0	150	0	0.0	0.0	0	660	17	18	100	23	99
LITCHFIELD S	40														
PENNSYLVNIN	40	0	0	0	40	0	100.0	0.0	0	610	3	18	100	23	99
TOTALS & AVE	40	0	0	0	40	0	100.0	0.0	0	610	3	18	100	23	99
LIVINGSTON	420														
PENNSYLVNIN	420	130	80	0	210	0	85.7	0.0	4	530	15	18	100	35	8
TOTALS & AVE	420	130	80	0	210	0	85.7	0.0	4	530	15	18	100	35	8
LIVINGSTON S	570														
PENNSYLVNIN	570	210	0	0	330	30	53.6	100.0	0	530	10	17	100	35	9
TOTALS & AVE	570	210	0	0	330	30	53.6	100.0	0	530	10	17	100	35	9
LOCUST GROVE	130														
AUX VASES	90	20	0	0	70	0	33.3	0.0	2	3200	10	18	50	36	7
STE GEN	40	0	0	0	40	0	50.0	0.0	0	3240	7	16	80	37	6
TOTALS & AVE	130	20	0	0	110	0	39.4	0.0	2	3200	9	18	57	36	7

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Area in acres	Waterflood acres			Remaining primary				No. of SWD* wells	Average properties					
					Acres		% Active			Depth (ft)	Thickness (ft)	Porosity (%)	Permeability (md)	Gravity (°API)	Viscosity (cp)
Pay name	Pay acres	Act- ive	Aban- doned	Unde- veloped	Edge	Inter- ior	Edge	Inter- ior							
LOCUST GROVE S	160														
STE GEN	160	0	0	0	160	0	11.1	0.0	0	3250	7	16	100	38	5
TOTALS & AVE	160	0	0	0	160	0	11.1	0.0	0	3250	7	16	100	38	5
LOGAN	20														
STE GEN	20	0	0	0	20	0	100.0	0.0	0	3028	12	17	100	34	10
TOTALS & AVE	20	0	0	0	20	0	100.0	0.0	0	3028	12	17	100	34	10
LONG BRANCH	70														
PALESTINE	20	0	0	0	20	0	100.0	0.0	0	2075	9	18	200	9	7
CYPRESS	20	0	0	0	20	0	50.0	0.0	0	2745	14	18	70	37	7
AUX VASES	40	0	0	0	40	0	25.0	0.0	0	3090	10	19	75	37	5
MCCLOSKY	20	0	0	0	20	0	50.0	0.0	0	3190	4	15	100	37	6
TOTALS & AVE	100	0	0	0	100	0	50.0	0.0	0	2801	9	18	100	32	6
LONG BRANCH S	10														
CYPRESS	10	0	0	0	10	0	100.0	0.0	0	2660	6	18	70	37	7
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	2660	6	18	70	37	7
LOUDEN	24470														
CYPRESS	21380	19120	440	0	1470	350	79.0	88.6	1	1501	20	20	99	36	7
BETHEL	8660	8500	0	80	80	0	87.5	0.0	0	1540	20	18	100	38	5
BENOIST	6790	6730	0	50	10	0	100.0	0.0	0	1550	10	18	100	34	5
AUX VASES	540	540	0	0	0	0	0.0	0.0	0	1660	15	18	100	37	6
MCCLOSKY	10	0	0	0	10	0	100.0	0.0	0	1785	4	17	150	37	6
CARPER	20	0	0	0	20	0	0.0	0.0	0	2830	9	12	20	36	8
GENEVA	2600	0	2600	0	0	0	0.0	0.0	0	3100	18	14	40	28	37
TRENTON	20	0	0	0	20	0	0.0	0.0	0	3900	12	12	10	29	30
TOTALS & AVE	40020	34890	3040	170	1570	350	79.7	88.6	1	1621	18	19	95	36	8
LOUISVILLE N	90														
AUX VASES	40	0	0	0	40	0	0.0	0.0	0	2750	10	17	50	37	8
SPAR MTN	90	0	0	0	90	0	33.3	0.0	0	2805	7	15	200	37	6
TOTALS & AVE	130	0	0	0	130	0	23.1	0.0	0	2784	8	16	142	37	7
LOUISVILLE S	20														
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2825	7	17	75	38	6
OHARA	10	0	0	0	10	0	0.0	0.0	0	2890	2	17	100	36	7
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	2839	5	17	81	38	6
LYNCHBURG	60														
MCCLOSKY	60	0	0	0	60	0	66.7	0.0	0	3045	8	17	100	38	6
TOTALS & AVE	60	0	0	0	60	0	66.7	0.0	0	3045	8	17	100	38	6
MCKINLEY	250														
RENOIST	180	40	0	0	120	20	66.7	100.0	1	1050	5	18	200	41	3
SILURIAN	190	0	0	40	120	30	70.0	100.0	1	2240	4	12	50	40	3
TOTALS & AVE	370	40	0	40	240	50	68.3	100.0	2	1595	4	15	131	41	3
MACEDONIA	10														
ULLIN	10	0	0	0	10	0	0.0	0.0	0	4100	12	10	10	37	7
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	4100	12	10	10	37	7
MAIN C	61450														
PENNSYLVNIN	59120	21050	6000	200	12170	19570	37.5	56.7	19	879	25	19	100	36	6
CYPRESS	650	250	0	0	320	80	68.2	85.7	0	1498	15	18	60	34	9
PT CK GROUP	4330	740	70	2070	860	590	61.9	38.6	0	1330	10	15	30	36	7
AUX VASES	1430	0	0	90	1200	140	84.1	86.6	0	1430	14	12	18	35	8
STE GEN	140	0	0	60	80	0	75.0	0.0	0	1508	8	16	232	35	8
SALEM	290	0	0	50	210	30	100.0	100.0	0	1790	5	16	40	37	5
DEVONIAN	50	0	0	0	50	0	100.0	0.0	0	2800	11	12	20	37	7
TOTALS & AVE	66010	22040	6160	2470	14890	20410	44.6	56.6	19	905	24	19	97	36	6
MAPLE GROVE C	2030														
AUX VASES	400	0	100	50	240	10	46.7	0.0	0	3150	15	20	50	38	5
STE GEN	1650	270	860	60	380	80	10.0	0.0	1	3230	7	14	100	37	6
SALEM	10	0	0	0	10	0	100.0	0.0	0	3660	4	12	30	39	4
TOTALS & AVE	2060	270	960	110	630	90	25.4	0.0	1	3204	9	16	83	37	6
MAPLE GROVE S	10														
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3250	10	15	50	38	5
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3250	10	15	50	38	5
MARCOE	20														
MCCLOSKY	20	0	0	0	20	0	0.0	0.0	0	2750	15	17	100	25	30
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	2750	15	17	100	25	30
MARINE	2440														
DEV-SIL	2440	0	0	0	1070	1370	63.1	100.0	1	1700	20	18	100	35	8
TOTALS & AVE	2440	0	0	0	1070	1370	63.1	100.0	1	1700	20	18	100	35	8
MARINE W	10														
DEVONIAN	10	0	0	0	10	0	100.0	0.0	0	1700	20	15	160	35	10
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	1700	20	15	160	35	10
MARION	10														
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2385	5	15	45	40	4
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2385	5	15	45	40	4
MARIAN E	10														
BETHEL	10	0	0	0	10	0	0.0	0.0	0	2300	8	16	50	37	6
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2300	8	16	50	37	6
MARISSA W	30														
CYPRESS	30	0	0	0	30	0	33.3	0.0	0	215	34	15	50	25	81
TOTALS & AVE	30	0	0	0	30	0	33.3	0.0	0	215	34	15	50	25	81
MARKHAM CITY	340														
STE GEN	340	0	60	0	270	10	21.4	100.0	1	3070	10	17	100	38	5
TOTALS & AVE	340	0	60	0	270	10	21.4	100.0	1	3070	10	17	100	38	5

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary			No. of SWB <sup>a</sup> wells	Average properties					
		Active	Aban-	Dono-	Acres	% Active	Interior		Depth (ft)	Thick-	Poros-	Perme-	Grav-	Vis-
Pay name	Pay acres				Edge	Inter-	Edge	Interior	(ft)	ness (ft)	ity (%)	ability (md)	ity (*API)	cosity (cp)
MARSHAM CITY N	320													
AUX VASES	120	0	0	0	120	0	88.9	0.0	1	2950	9	19	200	38
MCCLOSKY	320	0	0	0	230	80	53.3	100.0	0	3075	8	17	150	37
TOTALS & AVE	440	0	0	0	350	80	65.5	100.0	1	3038	6	18	165	37
MARSHAM CITY N	490													
AUX VASES	310	0	0	260	50	0	66.7	0.0	0	2950	7	19	200	39
MCCLOSKY	310	70	210	0	30	0	50.0	0.0	0	3035	7	17	200	37
TOTALS & AVE	620	70	210	260	80	0	60.4	0.0	0	2993	7	18	200	38
MARTINSVILLE	2580													
PENNSYLVNIN	2280	310	70	0	1090	810	5.9	25.0	0	500	22	19	55	32
MISSISSIPPM	50	0	0	0	50	0	80.0	0.0	0	500	8	12	30	34
CARPER	1040	0	80	0	520	460	66.7	81.3	1	1348	40	15	9	37
DEVONIAN	700	0	0	0	350	350	81.8	100.0	0	1550	8	12	10	38
TRENTON	50	0	0	0	30	10	100.0	100.0	0	2700	99	10	5	40
TOTALS & AVE	4120	310	150	0	2040	1610	37.6	57.1	1	1007	25	17	31	35
MASON N	200													
BENOIST	140	140	0	0	0	0	0.0	0.0	0	2280	11	16	24	38
AUX VASES	30	30	0	0	0	0	0.0	0.0	0	2350	17	17	80	36
STE GEN	80	0	0	20	60	0	0.0	0.0	0	2400	19	16	150	37
TOTALS & AVE	250	170	0	20	60	0	0.0	0.0	0	2341	14	16	86	37
MASSILON	70													
DHARA	..	0	0	0	60	10	0.0	0.0	0	3250	6	17	100	37
TOTALS & AVE	70	0	0	0	60	10	0.0	0.0	0	3250	6	17	100	37
MASSILON S	10													
DHARA	10	0	0	0	10	0	0.0	0.0	0	3315	9	16	200	37
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3315	9	16	200	37
MATTOON	100													
CYPRESS	3170	1970	180	30	770	200	88.9	93.8	0	1800	13	16	60	39
AUX VASES	500	230	0	220	40	0	100.0	0.0	0	1910	10	17	50	32
STE GEN	4690	3090	180	0	1040	380	74.7	78.4	6	1950	12	14	100	38
CARPER	410	0	0	0	250	160	92.3	91.7	0	2950	10	12	30	39
TOTALS & AVE	8770	5290	360	250	2100	740	82.5	85.4	6	1929	12	16	79	38
MATTOON N	160													
SPAR MTN.	160	150	0	0	10	0	0.0	0.0	0	1900	14	15	170	40
TOTALS & AVE	160	150	0	0	10	0	0.0	0.0	0	1900	14	15	170	40
MATTOON S	50													
CARPER	50	0	0	0	50	0	0.0	0.0	0	3035	10	12	20	38
TOTALS & AVE	50	0	0	0	50	0	0.0	0.0	0	3035	10	12	20	38
MAUNIE E	80													
TAR SPRINGS	10	0	0	0	10	0	100.0	0.0	0	2280	8	16	200	35
AUX VASES	70	0	0	0	70	0	0.0	0.0	0	2870	20	17	50	35
TOTALS & AVE	80	0	0	0	80	0	12.5	0.0	0	2838	19	17	58	35
MAUNIE N C	2120													
PENNSYLVNIN	10	0	0	10	0	0	0.0	0.0	0	1500	20	18	75	34
WALTERSBURG	130	110	0	0	20	0	0.0	0.0	0	2300	12	20	100	37
TAR SPRINGS	160	50	0	0	110	0	60.0	0.0	0	2340	15	18	200	35
HARDINSBURG	10	0	0	0	10	0	100.0	0.0	0	2565	10	16	50	36
PT CK GROUP	480	320	30	60	70	0	57.1	0.0	0	2800	13	17	50	35
RENAULT	10	0	0	10	0	0	0.0	0.0	0	2935	2	14	30	36
AUX VASES	870	100	340	110	310	10	58.3	0.0	2	2930	13	17	50	35
STE GEN	880	130	80	70	520	80	52.5	42.9	0	3000	8	15	40	35
TOTALS & AVE	2550	710	450	260	1040	90	54.8	38.1	2	2825	11	17	63	35
MAUNIE S C	1720													
PENNSYLVNIN	170	0	0	90	80	0	87.5	0.0	0	1330	15	17	50	24
DEGONIA	110	0	0	60	50	0	80.0	0.0	0	1900	10	18	50	35
PALESTINE	640	0	530	40	70	0	71.4	0.0	0	2010	17	18	300	35
WALTERSBURG	20	0	0	10	10	0	100.0	0.0	0	2200	15	20	100	37
TAR SPRINGS	790	110	430	0	250	0	65.0	0.0	2	2240	16	18	200	35
CYPRESS	370	270	0	40	60	0	66.7	0.0	0	2600	10	16	50	36
BETMEL	10	0	0	0	10	0	100.0	0.0	0	2735	8	15	40	37
AUX VASES	120	0	0	100	20	0	50.0	0.0	0	2850	12	17	50	37
STE GEN	40	0	0	20	20	0	50.0	0.0	0	2875	7	15	70	37
TOTALS & AVE	2270	380	960	360	570	0	70.6	0.0	2	2156	15	18	191	34
MAYBERRY	120													
MCCLOSKY	120	0	0	0	120	0	28.6	0.0	0	3350	8	16	100	39
TOTALS & AVE	120	0	0	0	120	0	28.6	0.0	0	3350	8	16	100	39
MAYBERRY N	10													
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3330	2	16	80	39
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3330	2	16	80	39
MELROSE	150													
PENNSYLVNIN	150	110	0	30	10	0	100.0	0.0	0	850	10	18	50	35
TOTALS & AVE	150	110	0	30	10	0	100.0	0.0	0	850	10	18	50	35
MELROSE S	20													
PENNSYLVNIN	20	0	0	0	20	0	50.0	0.0	0	865	7	18	100	35
TOTALS & AVE	20	0	0	0	20	0	50.0	0.0	0	865	7	18	100	35
MELETUS	220													
BENOIST	130	20	0	0	100	10	44.4	0.0	0	2150	7	18	50	35
AUX VASES	140	0	0	0	120	20	20.0	100.0	1	2200	7	17	50	36
MCCLOSKY	50	0	0	0	50	0	33.3	0.0	0	2350	5	16	50	36
TOTALS & AVE	320	20	0	0	270	30	31.5	66.7	1	2196	7	16	50	36
HILLERSBURG	20													
DEVONIAN	20	0	0	0	20	0	100.0	0.0	0	2130	2	18	100	38
TOTALS & AVE	20	0	0	0	20	0	100.0	0.0	0	2130	2	18	100	38

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary			No. of SWD* wells	Average properties									
		Active	Aban-	unde-	Acres	% Active			Edge	Inter-	Edge	Inter-		Depth (ft)	Thick-	Porous-	Perme-	Grav-
Pay name	Pay acres	acres	doned	veloped										ness (ft)	ity (%)	ability (md)	ity ("API)	
MILL SHOALS	3210																	
AUX VASES	2700	1730	40	0	790	140	61.7	63.6	4	3250	11	18	100	36	7			
STF GEN	1000	0	0	460	530	10	63.4	100.0	0	3320	9	17	192	38	5			
ST LOUIS	10	0	0	10	0	0	0.0	0.0	0	3550	10	13	35	39	5			
SALEM	10	0	0	0	10	0	100.0	0.0	0	3970	4	14	70	38	5			
ULLIN	10	0	0	10	0	0	0.0	0.0	0	4110	10	14	60	38	5			
TOTALS & AVE	3730	1730	40	480	1330	150	62.7	66.1	4	3270	10	18	121	36	7			
MILLS PRAIRIE	10																	
DHARA	10	0	0	0	10	0	0.0	0.0	0	2925	5	15	60	37	6			
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2925	5	15	60	37	6			
MILLS PRAIRIE N	30																	
DHARA	30	0	0	0	30	0	0.0	0.0	0	2925	5	16	75	37	6			
TOTALS & AVE	30	0	0	0	30	0	0.0	0.0	0	2925	5	16	75	37	6			
MITCHELLSVILLE	20																	
DEQONIA	10	0	0	0	10	0	0.0	0.0	0	1330	6	16	50	35	6			
WALTERSBURG	10	0	0	0	10	0	100.0	0.0	0	1500	6	17	50	38	6			
TOTALS & AVE	20	0	0	0	20	0	50.0	0.0	0	1415	6	17	50	37	6			
MODE	360																	
BETHEL	120	120	0	0	0	0	0.0	0.0	0	1680	12	17	50	35	8			
BENOIST	360	360	0	0	0	0	0.0	0.0	0	1750	8	17	50	34	9			
AUX VASES	10	10	0	0	0	0	0.0	0.0	0	1770	8	17	50	37	7			
TOTALS & AVE	490	490	0	0	0	0	0.0	0.0	0	1727	9	17	50	34	9			
MT AUBURN C	7050																	
SILURIAN	7050	0	0	0	5640	1410	53.8	68.7	11	1890	15	12	20	37	6			
TOTALS & AVE	7050	0	0	0	5640	1410	53.8	68.7	11	1890	15	12	20	37	6			
MT CARMEL	4370																	
PENNSYLVNIN	1050	280	90	310	370	0	83.3	0.0	1	1500	15	18	200	36	9			
PALESTINE	40	0	0	30	10	0	100.0	0.0	0	1580	10	17	50	35	8			
WALTERSBURG	30	0	0	30	0	0	0.0	0.0	0	1700	10	18	100	36	9			
TAR SPRINGS	410	120	60	170	60	0	100.0	0.0	0	1700	12	19	200	36	6			
GOLCONDA	10	0	0	10	0	0	0.0	0.0	0	2020	25	17	50	36	7			
CYPRESS	3550	1730	530	40	760	490	82.8	65.3	1	2001	15	18	51	38	5			
PT CK GROUP	130	0	0	90	40	0	100.0	0.0	0	2100	16	16	50	35	6			
STE GEN	1260	50	0	670	580	10	59.6	0.0	0	2323	6	17	210	37	7			
SALEM	10	0	0	0	10	0	100.0	0.0	0	2696	14	10	40	39	5			
TOTALS & AVE	6490	2180	680	1300	1830	500	76.7	64.0	2	1911	13	18	105	37	6			
MT ERTE N	200																	
AUX VASES	110	0	0	0	110	0	0.0	0.0	0	3120	15	18	100	40	4			
STE GEN	130	0	0	0	130	0	0.0	0.0	0	3170	6	16	70	39	4			
TOTALS & AVE	240	0	0	0	240	0	0.0	0.0	0	3136	10	17	90	40	4			
MT OLIVE	80																	
PENNSYLVNIN	80	0	0	0	80	0	0.0	0.0	0	605	6	18	100	33	13			
TOTALS & AVE	80	0	0	0	80	0	0.0	0.0	0	605	6	18	100	33	13			
MT VERNON	220																	
AUX VASES	70	0	0	0	70	0	20.0	0.0	0	2670	10	18	100	36	6			
STE GEN	150	0	0	0	120	30	71.4	0.0	0	2750	11	17	100	39	4			
TOTALS & AVE	220	0	0	0	190	30	52.5	0.0	0	2726	11	17	100	38	5			
MT VERNON N	20																	
MCCOLSKY	20	0	0	0	20	0	50.0	0.0	0	2675	6	17	100	38	5			
TOTALS & AVE	20	0	0	0	20	0	50.0	0.0	0	2675	6	17	100	38	5			
MURDOCK	10																	
PENNSYLVNIN	10	0	0	0	10	0	100.0	0.0	0	370	16	18	100	36	7			
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	370	16	18	100	36	7			
NASON	30																	
STE GEN	30	0	0	0	30	0	33.3	0.0	0	2760	16	14	50	37	5			
TOTALS & AVE	30	0	0	0	30	0	33.3	0.0	0	2760	16	14	50	37	5			
NEW BADEN E	280																	
SILURIAN	280	0	0	0	200	80	45.5	100.0	2	1935	15	13	10	39	6			
TOTALS & AVE	280	0	0	0	200	80	45.5	100.0	2	1935	15	13	10	39	6			
NEW BELLAIR	150																	
PENNSYLVNIN	130	0	0	0	100	30	33.3	100.0	0	1100	10	18	200	29	14			
AUX VASES	40	0	0	0	40	0	50.0	0.0	0	1310	9	15	30	37	6			
TOTALS & AVE	170	0	0	0	140	30	38.1	100.0	0	1146	10	17	163	31	12			
NEW CITY	290																	
SILURIAN	290	0	0	0	290	0	26.9	0.0	0	1750	17	14	40	39	4			
TOTALS & AVE	290	0	0	0	290	0	26.9	0.0	0	1750	17	14	40	39	4			
NEW CITY S	20																	
SILURIAN	20	0	0	0	20	0	100.0	0.0	0	2000	17	15	40	39	4			
TOTALS & AVE	20	0	0	0	20	0	100.0	0.0	0	2000	17	15	40	39	4			
NEW DOUGLAS S	20																	
PENNSYLVNIN	20	0	0	0	20	0	0.0	0.0	0	640	8	18	100	32	15			
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	640	8	18	100	32	15			

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres				Remaining primary				No. of SWD* wells	Average properties					
		Pay acres	Act-tive	Aban-dandoned	Unde-veloped	Acres	% Active	Edge	Inter-iior		Edge	Inter-iior	Edge	Inter-iior	Grav-ity (°API)	Vis-co-sity (cp)
NEW HARMONY C	24650															
PENNSYLVANIA	1710	820	0	100	730	60	75.0	100.0	1	1669	14	19	114	34	10	
DEGONIA	130	0	0	110	20	0	100.0	0.0	0	1819	10	18	50	34	8	
CLORE	50	0	0	20	30	0	66.7	0.0	0	1984	10	16	52	36	7	
PALESTINE	260	0	0	130	130	0	50.0	0.0	0	2000	10	17	92	25	82	
WALTERSBURG	1170	820	80	50	220	0	66.4	0.0	0	1993	20	17	200	36	6	
TAR SPRINGS	2350	1730	0	150	400	70	67.5	100.0	2	2187	23	18	141	35	10	
HARDINSBURG	10	0	0	10	0	0	0.0	0.0	0	2290	10	14	20	35	8	
CYPRESS	10740	7270	500	220	2220	530	70.9	92.3	2	2404	17	18	77	35	11	
PT CK GROUP	10670	6690	560	300	2540	580	77.6	92.9	0	2619	20	16	61	37	8	
RENAULT	10	0	0	0	0	0	100.0	0.0	0	2750	8	16	50	34	9	
AUX VASES	8300	6710	230	200	960	200	78.8	100.0	0	2800	15	18	100	37	7	
STE GEN	4830	890	360	2070	1470	40	62.7	0.0	1	2896	12	16	147	38	5	
ST LOUIS	60	0	0	60	0	0	0.0	0.0	0	3200	5	12	20	36	7	
SALEM	50	0	0	10	40	0	75.0	0.0	0	3355	16	13	30	37	6	
ULLIN	30	0	0	30	0	0	0.0	0.0	0	3750	50	10	10	36	6	
TOTALS & AVE	40370	24930	1730	3460	8770	1480	72.3	91.7	6	2529	17	17	92	36	9	
NEW HARMONY S (IND)	90															
WALTERSBURG	30	0	0	0	30	0	50.0	0.0	0	2250	18	18	200	35	6	
TAR SPRINGS	10	0	0	0	10	0	100.0	0.0	0	2260	17	18	120	36	7	
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	2670	10	16	50	35	12	
BETHEL	20	0	0	0	20	0	0.0	0.0	0	2800	10	17	50	36	10	
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	3000	10	18	100	37	7	
MCCLOSKY	20	0	0	0	20	0	50.0	0.0	0	3010	10	15	40	37	6	
TOTALS & AVE	100	0	0	0	100	0	45.0	0.0	0	2541	13	17	123	36	7	
NEW HARMONY S (IND)	50															
DEGONIA	20	20	0	0	0	0	0.0	0.0	0	1850	8	18	50	35	8	
PALESTINE	50	50	0	0	0	0	0.0	0.0	0	1950	10	18	300	24	99	
WALTERSBURG	50	50	0	0	0	0	0.0	0.0	0	2120	30	18	100	37	5	
TOTALS & AVE	120	120	0	0	0	0	0.0	0.0	0	2061	18	18	143	34	27	
NEW HAVEN C	630															
TAR SPRINGS	250	250	0	0	0	0	0.0	0.0	0	2100	12	18	75	38	5	
HARDINSBURG	10	0	0	10	0	0	0.0	0.0	0	2245	8	17	50	36	7	
CYPRESS	450	450	0	0	0	0	0.0	0.0	0	2450	10	18	50	39	4	
AUX VASES	110	0	0	110	0	0	0.0	0.0	0	2720	15	20	75	37	6	
STE GEN	120	0	0	120	0	0	0.0	0.0	0	2800	11	15	50	36	7	
TOTALS & AVE	940	700	0	240	0	0	0.0	0.0	0	2435	11	18	61	38	5	
NEW HEBRON E	50															
AUX VASES	50	0	0	0	50	0	25.0	0.0	0	1550	4	14	10	35	8	
TOTALS & AVE	50	0	0	0	50	0	25.0	0.0	0	1550	4	14	10	35	8	
NEW MEMPHIS	640															
SILURIAN	640	0	0	0	340	300	100.0	100.0	0	2021	74	10	9	41	5	
TOTALS & AVE	640	0	0	0	340	300	100.0	100.0	0	2021	74	10	9	41	5	
NEW MEMPHIS E	20															
DEVONIAN	20	0	0	0	20	0	100.0	0.0	0	2170	15	12	100	36	10	
TOTALS & AVE	20	0	0	0	20	0	100.0	0.0	0	2170	15	12	100	36	10	
NEW MEMPHIS N	90															
DEV-SIL	90	0	0	0	90	0	85.7	0.0	0	2050	15	12	5	40	5	
TOTALS & AVE	90	0	0	0	90	0	85.7	0.0	0	2050	15	12	5	40	5	
NEW MEMPHIS S	20															
SILURIAN	20	0	0	0	20	0	0.0	0.0	0	2000	25	11	30	41	5	
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	2000	25	11	30	41	5	
NEWTON	40															
STE GEN	40	0	0	0	40	0	0.0	0.0	1	2950	6	17	180	37	6	
TOTALS & AVE	40	0	0	0	40	0	0.0	0.0	1	2950	6	17	180	37	6	
NEWTON N	90															
MCCLOSKY	90	0	0	0	90	0	0.0	0.0	0	2850	5	15	90	37	6	
TOTALS & AVE	90	0	0	0	90	0	0.0	0.0	0	2850	5	15	90	37	6	
NEWTON W	550															
STE GEN	550	0	0	0	470	80	37.9	100.0	0	2910	7	15	84	38	5	
TOTALS & AVE	550	0	0	0	470	80	37.9	100.0	0	2910	7	15	84	38	5	
NOBLE W	10															
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3035	8	16	100	36	7	
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3035	8	16	100	36	7	
OAKDALE	390															
AUX VASES	370	0	60	0	290	20	72.7	100.0	2	2860	15	20	120	38	6	
MCCLOSKY	70	0	0	0	70	0	66.7	0.0	0	2985	5	17	100	37	6	
TOTALS & AVE	440	0	60	0	360	20	71.5	100.0	2	2867	13	20	119	38	6	
OAKDALE N	170															
MCCLOSKY	170	170	0	0	0	0	0.0	0.0	2	2930	5	17	200	37	6	
TOTALS & AVE	170	170	0	0	0	0	0.0	0.0	2	2930	5	17	200	37	6	
OAKLEY	150															
COR. VALLEY N	150	0	0	0	150	0	10.0	0.0	0	2285	5	13	30	37	7	
TOTALS & AVE	150	0	0	0	150	0	10.0	0.0	0	2285	5	13	30	37	7	
OAK POINT	700															
PENNSYLVANIA	10	0	0	0	10	0	0.0	0.0	0	560	10	19	50	32	15	
AUX VASES	650	220	140	0	240	50	35.7	0.0	2	1185	17	14	20	37	7	
CARPER	40	0	0	0	40	0	66.7	0.0	0	2220	15	11	15	37	6	
TOTALS & AVE	700	220	140	0	290	50	38.8	0.0	2	1233	17	14	20	37	7	
OAK POINT W	110															
AUX VASES	110	0	0	0	100	10	62.5	100.0	0	1190	8	14	20	35	8	
TOTALS & AVE	110	0	0	0	100	10	62.5	100.0	0	1190	8	14	20	35	8	

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary			No. of SWD* wells	Average properties					
		Pay acres	Act-tive	Aban-dandoned	Unde-veloped	Edge	Intra-ri-or		Depth (ft)	Thick-ness (ft)	Porous-ity (%)	Perme-ability (md)	Grav-ity ("API)	Vis-comosity (cp)
ODIN	340													
CYPRESS	340	0	340	0	0	0	0.0	0.0	0	1700	15	20	78	37
BENOIST	10	0	0	10	0	0	0.0	0.0	0	1900	3	18	100	37
MCCLOSKEY	10	0	0	10	0	0	0.0	0.0	0	2085	12	16	100	37
TOTALS & AVE	360	0	340	20	0	0	0.0	0.0	0	1710	15	20	79	37
OKAWVILLE	50													
SILURIAN	50	0	0	0	50	0	75.0	0.0	0	2325	12	12	40	40
TOTALS & AVE	50	0	0	0	50	0	75.0	0.0	0	2325	12	12	40	40
OKAWVILLE N	110													
SILURIAN	110	0	0	0	60	10	83.3	0.0	0	2235	10	12	40	40
TOTALS & AVE	110	0	0	0	60	10	83.3	0.0	0	2235	10	12	40	40
OLD RIPLEY	920													
PENNSYLVNIN	920	160	0	0	390	370	65.4	97.1	1	575	16	18	100	34
AUX VASES	10	0	0	10	0	0	0.0	0.0	0	940	19	16	50	36
TOTALS & AVE	930	160	0	10	390	370	65.4	97.1	1	580	16	18	99	34
OLD RIPLEY N	20													
HARDIN	20	0	0	0	20	0	0.0	0.0	0	1991	1	13	50	35
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	1991	1	13	50	35
OLNEY C	3470													
AUX VASES	80	0	0	0	60	0	0.0	0.0	0	2920	20	17	50	37
STE GEN	3430	1440	540	0	1370	80	36.6	66.7	3	3005	10	16	500	37
TOTALS & AVE	3510	1440	540	0	1450	80	34.5	66.7	3	3001	10	16	480	37
OLNEY S	930													
STE GEN	930	0	90	0	610	230	55.3	80.0	0	3100	5	16	50	37
TOTALS & AVE	930	0	90	0	610	230	55.3	80.0	0	3100	5	16	50	37
OMAHA	1750													
PENNSYLVNIN	340	0	0	90	240	10	100.0	100.0	0	500	18	19	100	24
PALESTINE	410	290	0	0	110	10	90.0	100.0	0	1695	17	19	400	26
TAR SPRINGS	160	0	0	120	40	0	100.0	0.0	0	1900	15	18	200	27
HARDINSBURG	80	0	0	0	70	10	100.0	100.0	0	2180	10	20	200	29
CYPRESS	150	0	30	0	120	0	100.0	0.0	0	2400	12	18	80	35
PT CK GROUP	40	0	0	0	40	0	75.0	0.0	0	2500	12	18	50	37
AUX VASES	890	590	0	130	160	10	0.0	0.0	0	2760	20	19	100	40
STE GEN	150	40	0	40	200	70	91.7	100.0	0	2730	10	15	90	38
TOTALS & AVE	2420	920	30	380	980	110	79.8	90.9	0	2142	17	19	159	34
OMAHA E	130													
CYPRESS	30	0	0	0	30	0	0.0	0.0	0	2550	8	18	80	41
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2790	10	18	75	38
STE GEN	90	0	0	0	90	0	16.7	0.0	0	2850	10	14	70	38
TOTALS & AVE	130	0	0	0	130	0	11.5	0.0	0	2787	10	15	72	39
OMAHA S	110													
CYPRESS	90	0	40	0	50	0	0.0	0.0	0	2540	16	18	80	36
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2870	11	18	75	38
SPAR MTN	10	0	0	0	10	0	0.0	0.0	0	2870	11	14	60	37
TOTALS & AVE	110	0	40	0	70	0	0.0	0.0	0	2584	15	18	78	36
OMAHA W	90													
CYPRESS	60	0	0	0	60	0	80.0	0.0	0	2600	14	18	80	38
SAMPLE	10	0	0	0	10	0	100.0	0.0	0	2600	12	18	150	38
AUX VASES	70	0	0	0	20	0	100.0	0.0	0	2800	30	18	50	37
MCCLOSKEY	10	0	0	0	10	0	0.0	0.0	0	2910	10	14	100	38
TOTALS & AVE	100	0	0	0	100	0	78.0	0.0	0	2691	17	18	75	38
OMEGA	70													
BENOIST	10	0	0	0	10	0	0.0	0.0	0	2300	5	16	30	38
MCCLOSKEY	60	0	0	0	60	0	25.0	0.0	0	2500	10	17	100	38
TOTALS & AVE	70	0	0	0	70	0	21.4	0.0	0	2485	9	17	95	38
OPDYKE	40													
STE GEN	40	0	0	0	40	0	0.0	0.0	0	3015	21	17	200	37
TOTALS & AVE	40	0	0	0	40	0	0.0	0.0	0	3015	21	17	200	37
ORCHARDVILLE	200													
SAMPLE	10	0	0	0	10	0	0.0	0.0	0	2650	8	16	100	36
AUX VASES	190	40	0	0	150	0	75.0	0.0	0	2800	16	17	50	37
STE GEN	60	0	0	0	60	0	60.0	0.0	0	2880	4	17	150	37
TOTALS & AVE	260	40	0	0	220	0	67.5	0.0	0	2802	13	17	58	36
ORCHARDVILLE N	10													
PT CK GROUP	10	0	0	0	10	0	0.0	0.0	0	2650	6	16	40	37
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2650	6	16	40	37
ORIENT	30													
AUX VASES	30	0	0	0	30	0	100.0	0.0	0	2660	24	18	86	38
TOTALS & AVE	30	0	0	0	30	0	100.0	0.0	0	2660	24	18	86	38
ORIENT N	10													
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	2680	4	17	90	38
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	2680	4	17	90	38
OSKALOOSA	470													
BENOIST	450	370	0	0	60	0	28.6	0.0	0	2600	14	16	50	37
AUX VASES	140	140	0	0	0	0	0.0	0.0	0	2640	10	13	40	37
MCCLOSKEY	250	170	0	0	80	0	33.3	0.0	0	2755	9	15	100	36
TOTALS & AVE	840	680	0	0	160	0	31.0	0.0	0	2641	12	15	60	37
OSKALOOSA E	20													
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2820	5	15	40	37
MCCLOSKEY	10	0	0	0	10	0	0.0	0.0	0	2895	4	16	100	33
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	2853	5	15	67	35

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining Primary				No. of SWD* wells	Average properties					
		Pay acres	Act-tive	Aban-dandoned	Unde-veloped	Edge	Intra-rior	Edge		Depth (ft)	Thick-ness (ft)	Foros-ity (%)	Perme-ability (md)	Grav-ity (°API)	Vis-co-sity (cp)
OSKALOOSA S	110														
MCGLOSKEY	110	0	0	0	110	0	77.8	0.0	0	2770	4	15	100	35	8
TOTALS & AVE	110	0	0	0	110	0	77.8	0.0	0	2770	4	15	100	35	8
PANA	60														
BENOIST	60	0	0	0	60	0	60.0	0.0	0	1475	10	18	50	37	5
TOTALS & AVE	60	0	0	0	60	0	60.0	0.0	0	1475	10	18	50	37	5
PANAMA	60														
GOLCONDA	40	0	0	0	40	0	50.0	0.0	0	705	12	15	50	31	15
BENOIST	20	0	0	0	20	0	0.0	0.0	0	665	12	16	50	28	25
TOTALS & AVE	60	0	0	0	60	0	33.3	0.0	0	758	12	14	50	30	18
PANKEYVILLE	30														
CYPRESS	20	0	0	0	20	0	50.0	0.0	0	2250	6	18	70	37	6
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	2510	22	18	50	38	5
TOTALS & AVE	30	0	0	0	30	0	46.7	0.0	0	2418	11	18	57	38	5
PANKEYVILLE E	10														
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	2250	10	18	70	37	7
PT CK GROUP	10	0	0	0	10	0	0.0	0.0	0	2360	13	16	50	36	7
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	2312	12	17	59	36	7
PARKERSBURG C	5120														
PENNSYLVNIN	10	0	0	0	10	0	100.0	0.0	0	2100	18	18	100	36	7
WALTERSBURG	110	0	0	0	110	0	44.4	0.0	1	2400	10	17	100	39	8
TAR SPRINGS	10	0	0	0	10	0	100.0	0.0	0	2440	2	18	120	36	6
CYPRESS	170	110	0	0	60	0	50.0	0.0	1	2770	12	17	100	36	7
BETHEL	300	0	20	50	230	0	57.9	0.0	0	2930	12	17	50	35	6
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	3070	20	16	50	37	6
STE GEN	4500	170	320	160	2390	1510	17.2	18.8	9	3100	15	16	100	38	5
TOTALS & AVE	5150	280	340	210	2810	1510	23.2	18.8	11	3070	15	16	97	38	5
PARKERSBURG S	100														
PENNSYLVNIN	70	0	0	0	70	0	50.0	0.0	0	1400	10	18	100	35	10
CYPRESS	10	0	0	0	10	0	100.0	0.0	0	2700	10	17	100	36	7
BETHEL	20	0	0	0	20	0	0.0	0.0	0	2815	5	17	50	35	6
TOTALS & AVE	100	0	0	0	100	0	45.0	0.0	0	1702	9	18	94	35	9
PARKERSBURG W	390														
STE GEN	390	0	0	0	320	70	4.5	0.0	1	3200	6	16	150	38	5
TOTALS & AVE	390	0	0	0	320	70	4.5	0.0	1	3200	6	16	150	38	5
PARNELL	330														
SONORA	330	0	0	0	330	0	91.3	0.0	0	670	12	13	10	32	13
DEVONIAN	40	0	0	0	40	0	100.0	0.0	0	1100	10	12	15	37	6
TOTALS & AVE	370	0	0	0	370	0	92.2	0.0	0	709	12	13	10	32	12
PASSPORT	980														
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	2960	15	18	50	36	10
STE GEN	970	690	0	0	260	20	29.4	0.0	0	3000	10	17	300	38	5
TOTALS & AVE	980	690	0	0	270	20	32.0	0.0	0	2999	10	17	296	38	5
PASSPORT N	60														
AUX VASES	60	0	0	0	60	0	60.0	0.0	0	2950	10	17	40	36	10
TOTALS & AVE	60	0	0	0	60	0	60.0	0.0	0	2950	10	17	40	36	10
PASSPORT S	130														
TAR SPRINGS	10	0	0	0	10	0	100.0	0.0	0	2370	9	17	100	37	6
CYPRESS	60	60	0	0	20	0	0.0	0.0	0	2665	15	19	100	38	6
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2950	8	17	50	36	10
STE GEN	40	0	0	0	40	0	25.0	0.0	0	3025	7	16	180	38	7
TOTALS & AVE	140	60	0	0	60	0	25.0	0.0	0	2724	12	18	111	38	6
PASSPORT W	150														
STE GEN	150	0	0	0	140	10	0.0	0.0	0	3030	5	17	300	37	7
TOTALS & AVE	150	0	0	0	140	10	0.0	0.0	0	3030	5	17	300	37	7
PATOKA	1560														
CYPRESS	60	60	0	0	0	0	0.0	0.0	0	1280	10	21	32	39	5
BENOIST	1000	640	0	0	240	120	100.0	100.0	1	1400	27	19	110	37	7
SPAR MTN	510	450	0	40	20	0	100.0	0.0	0	1550	9	19	200	39	4
GENEVA	30	0	0	30	0	0	0.0	0.0	0	2850	10	12	25	40	4
TRENTON	630	630	0	0	0	0	0.0	0.0	0	3935	19	8	3	42	4
TOTALS & AVE	2230	1780	0	70	260	120	100.0	100.0	1	2106	20	16	89	39	6
PATOKA E	560														
CYPRESS	560	250	0	0	160	150	88.9	100.0	0	1350	16	19	100	36	6
BENOIST	50	40	0	0	10	0	100.0	0.0	0	1465	10	19	100	36	6
MCCLOSKY	40	0	0	40	0	0	0.0	0.0	0	1635	8	18	100	34	10
GENEVA	20	0	0	20	0	0	0.0	0.0	0	2950	10	14	20	35	9
TOTALS & AVE	670	290	0	60	170	150	89.5	100.0	0	1397	15	19	98	36	6
PATOKA S	910														
CYPRESS	730	580	0	10	110	30	100.0	100.0	0	1350	10	20	50	36	6
BENOIST	200	140	0	40	20	0	50.0	0.0	0	1400	15	18	100	37	6
SPAR MTN	40	0	0	40	0	0	0.0	0.0	0	1625	5	19	200	41	3
TOTALS & AVE	970	720	0	90	130	30	92.3	100.0	0	1370	11	19	67	36	6
PATOKA W	200														
BENOIST	200	0	0	0	150	50	0.0	0.0	1	1380	6	19	100	32	13
TOTALS & AVE	200	0	0	0	150	50	0.0	0.0	1	1380	6	19	100	32	13

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary				No. of SWD* wells	Average properties					
		Active	Aban-dandoned	Unde-veloped	Edge	Inter-ior	Edge	Inter-ior		Depth (ft)	Thick-ness (ft)	Porous-ity (%)	Perme-ability (md)	Grav-ity (°API)	Via-cosity (cp)
Poly name	Poly acres	Act-tive	Aban-dandoned	Unde-veloped	Edge	Inter-ior	Edge	Inter-ior							
PHILLIPSTOWN C	6400														
PENNSYLVANIA	1470	260	310	330	510	40	86.4	100.0	0	1527	12	18	61	34	11
KINKAID	10	0	0	0	10	0	100.0	0.0	0	1950	17	18	180	35	8
DEGONTA	710	300	0	40	290	80	86.4	100.0	0	1970	10	18	50	38	5
CLORE	160	0	0	70	90	0	100.0	0.0	0	2010	12	15	30	34	8
PALESTINE	90	0	0	50	40	0	33.3	0.0	0	2050	12	18	256	32	14
WALTERSBURG	80	0	0	10	70	0	100.0	0.0	1	2292	11	17	125	34	8
TAR SPRINGS	1080	330	40	110	530	70	86.7	100.0	1	2300	15	18	75	35	7
CYPRESS	520	330	60	10	120	0	70.0	0.0	1	2700	13	18	50	36	10
PT CK GROUP	1530	570	340	100	490	30	52.5	0.0	0	2800	13	16	50	37	6
AUX VASES	940	250	0	110	580	0	70.6	0.0	0	2897	15	18	100	37	6
STE GEN	1980	220	0	330	1290	140	44.4	91.7	3	3000	11	16	87	37	6
TOTALS & AVE	8570	2280	750	1160	4020	360	66.1	88.4	6	2481	13	17	72	36	7
PHILLIPSTOWN S	190														
TAR SPRINGS	100	80	0	0	20	0	50.0	0.0	0	2350	10	18	75	35	7
AUX VASES	60	0	0	0	60	0	80.0	0.0	0	2950	10	18	100	37	7
STE GEN	20	0	0	0	20	0	0.0	0.0	0	3080	12	16	100	36	7
TOTALS & AVE	180	80	0	0	100	0	58.0	0.0	0	2641	10	18	86	36	7
PINKSTAFF	10														
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	1750	4	17	150	37	6
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	1750	4	17	150	37	6
PINKSTAFF E	10														
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	1640	6	14	150	37	6
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	1640	6	14	150	37	6
PITTSBURG	20														
AUX VASES	20	0	0	0	20	0	100.0	0.0	0	2570	8	18	100	37	7
TOTALS & AVE	20	0	0	0	20	0	100.0	0.0	0	2570	8	18	100	37	7
PIXLEY	20														
CYPRESS	20	0	0	0	20	0	0.0	0.0	0	2680	9	17	50	35	8
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	2680	9	17	50	35	8
PLAINVIEW	10														
PENNSYLVANIA	10	0	0	0	10	0	0.0	0.0	0	410	5	18	100	34	10
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	410	5	18	100	34	10
PLAINVIEW S	10														
PENNSYLVANIA	10	0	0	0	10	0	0.0	0.0	0	444	8	18	100	34	10
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	444	8	18	100	34	10
POSEN	50														
TRENTON	50	0	0	0	50	0	33.3	0.0	0	3900	25	11	10	37	8
TOTALS & AVE	50	0	0	0	50	0	33.3	0.0	0	3900	25	11	10	37	8
POSEN N	10														
TRENTON	10	0	0	0	10	0	0.0	0.0	0	4015	15	11	10	37	8
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	4015	15	11	10	37	8
POSEN S	50														
BENOIST	50	0	0	0	50	0	0.0	0.0	0	1255	7	18	100	34	9
TOTALS & AVE	50	0	0	0	50	0	0.0	0.0	0	1255	7	18	100	34	9
POSEY	260														
CYPRESS	250	0	0	0	220	30	94.7	100.0	1	1100	7	19	150	36	7
DEVONIAN	10	0	0	0	10	0	100.0	0.0	0	2675	5	18	200	38	11
TOTALS & AVE	260	0	0	0	230	30	95.0	100.0	1	1144	7	19	151	36	7
POSEY E	460														
DEV-SIL	460	0	0	0	250	210	87.5	100.0	0	2725	25	18	200	38	11
TOTALS & AVE	460	0	0	0	250	210	87.5	100.0	0	2725	25	18	200	38	11
POSEY W	10														
DEVONIAN	10	0	0	0	10	0	0.0	0.0	0	2585	15	15	30	37	11
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2585	15	15	30	37	11
PRÉNTICE	30														
PENNSYLVANIA	30	0	0	0	30	0	0.0	0.0	0	270	10	18	100	30	24
TOTALS & AVE	30	0	0	0	30	0	0.0	0.0	0	270	10	18	100	30	24
PYRAMID	100														
DEVONIAN	100	0	0	0	100	0	0.0	0.0	0	3100	6	15	100	36	6
TOTALS & AVE	100	0	0	0	100	0	0.0	0.0	0	3100	6	15	100	36	6
RACCOON LAKE	380														
CYPRESS	240	130	0	0	90	20	0.0	50.0	0	1625	15	18	100	34	11
BENOIST	20	20	0	0	0	0	0.0	0.0	0	1715	15	17	100	37	6
STE GEN	290	0	270	0	20	0	0.0	0.0	0	1909	12	13	341	36	7
DEV-SIL	270	0	0	90	180	0	0.0	0.0	0	3300	10	14	40	40	3
TOTALS & AVE	820	150	270	90	290	20	0.0	50.0	0	2174	12	15	167	34	7
RALEIGH	570														
TAR SPRINGS	20	0	0	10	10	0	100.0	0.0	0	2230	20	18	100	35	8
CYPRESS	440	440	0	0	0	0	0.0	0.0	0	2530	10	18	80	34	9
PT CK GROUP	10	0	0	10	0	0	0.0	0.0	0	2750	5	17	50	37	6
AUX VASES	80	0	70	0	10	0	0.0	0.0	0	2900	10	22	300	38	5
STE GEN	20	0	0	0	20	0	100.0	0.0	0	3050	7	14	70	38	5
TOTALS & AVE	570	440	70	20	40	0	75.0	0.0	0	2575	10	18	111	35	8
RALEIGH S	370														
WALTERSBURG	60	0	0	0	60	0	100.0	0.0	0	2050	10	19	150	39	5
BETHEL	10	0	0	10	0	0	0.0	0.0	0	2750	8	18	50	37	6
AUX VASES	300	230	0	0	70	0	57.1	0.0	0	2860	16	22	300	40	4
TOTALS & AVE	370	230	0	10	130	0	76.9	0.0	0	2770	15	22	280	40	4
RAYMOND	60														
PENNSYLVANIA	60	0	0	0	60	0	0.0	0.0	0	590	10	18	100	35	8
TOTALS & AVE	60	0	0	0	60	0	0.0	0.0	0	590	10	18	100	35	8

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Area Acres	Waterflood acres			Remaining primary				No. of SWD* wells	Average properties					
		Pay acres	Act- ive	Aban- doned	Unde- veloped	Edge	Intra- rior	Edge		Depth (ft)	Thick- ness (ft)	Poro- sity (%)	Perme- ability (md)	Grav- ity (*API)	Vis- cosity (cp)
RAYMOND E	60														
PENNSYLVANIA	60	30	20	0	10	0	0.0	0.0	0	595	10	18	100	34	10
TOTALS & AVE	60	30	20	0	10	0	0.0	0.0	0	595	10	18	100	34	10
RAYMOND S	10														
PENNSYLVANIA	10	0	0	0	10	0	0.0	0.0	0	600	6	18	100	34	10
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	600	6	18	100	34	10
RESERVOIR	250														
STE GEN	240	40	0	0	200	0	40.0	0.0	0	2450	13	17	100	37	6
SALEM	10	0	0	0	10	0	0.0	0.0	0	3030	12	14	50	30	4
TOTALS & AVE	250	40	0	0	210	0	38.1	0.0	0	2471	13	17	98	37	6
RICHVIEW	730														
CYPRESS	730	100	0	0	470	160	88.1	100.0	1	1500	12	18	100	39	4
TOTALS & AVE	730	100	0	0	470	160	88.1	100.0	1	1500	12	18	100	39	4
RIDGWAY	20														
PALESTINE	10	0	0	0	10	0	0.0	0.0	0	1730	18	18	200	30	18
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	2840	6	14	100	38	5
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	2008	12	17	175	32	15
RIFFLE	80														
SPAR MTN	80	0	0	0	80	0	0.0	0.0	0	2735	7	15	100	36	7
TOTALS & AVE	80	0	0	0	80	0	0.0	0.0	0	2735	7	15	100	36	7
RINARD	10														
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3145	5	16	100	39	5
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3145	5	16	100	39	5
RINARD N	240														
STE GEN	240	0	0	0	220	20	43.8	100.0	1	3145	5	17	150	39	4
TOTALS & AVE	240	0	0	0	220	20	43.8	100.0	1	3145	5	17	150	39	4
RINARD S	10														
SPAR MTN	10	0	0	0	10	0	0.0	0.0	0	3268	4	16	125	39	4
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3268	4	16	125	39	4
RITTER	110														
STE GEN	110	0	0	0	110	0	0.0	0.0	0	3215	5	17	150	38	5
TOTALS & AVE	110	0	0	0	110	0	0.0	0.0	0	3215	5	17	150	38	5
RITTER N	180														
STE GEN	180	0	130	0	50	0	0.0	0.0	0	3200	6	16	50	39	6
TOTALS & AVE	180	0	130	0	50	0	0.0	0.0	0	3200	6	16	50	39	6
RIVERTON S	40														
SILURIAN	40	0	0	0	40	0	75.0	0.0	0	1590	8	11	20	38	5
TOTALS & AVE	40	0	0	0	40	0	75.0	0.0	0	1590	8	11	20	38	5
ROACHES	180														
BENOIST	10	0	0	0	10	0	100.0	0.0	0	2000	9	16	150	38	5
STE GEN	170	0	0	0	150	20	10.0	50.0	0	2170	14	17	100	37	6
TOTALS & AVE	180	0	0	0	160	20	15.6	50.0	0	2184	14	17	102	37	6
ROACHES N	420														
BENOIST	420	400	0	0	20	0	0.0	0.0	0	1910	8	16	150	37	6
SPAR MTN	60	0	0	60	0	0	0.0	0.0	0	2115	8	17	100	34	8
TRENTON	10	0	0	0	10	0	100.0	0.0	0	4850	99	10	5	42	3
TOTALS & AVE	490	400	0	60	30	0	33.3	0.0	0	2533	10	17	115	38	6
ROBY	210														
SILURIAN	210	0	0	0	180	30	40.0	66.7	2	1775	5	14	50	38	5
TOTALS & AVE	210	0	0	0	180	30	40.0	66.7	2	1775	5	14	50	38	5
ROBY N	40														
SILURIAN	40	0	0	0	40	0	0.0	0.0	0	1700	5	15	20	38	5
TOTALS & AVE	40	0	0	0	40	0	0.0	0.0	0	1700	5	15	20	38	5
ROBY W	20														
HIBBARD	20	0	0	0	20	0	50.0	0.0	0	1655	5	13	30	37	7
TOTALS & AVE	20	0	0	0	20	0	50.0	0.0	0	1655	5	13	30	37	7
ROCHESTER	370														
PENNSYLVANIA	230	150	0	0	80	0	16.7	0.0	0	1300	12	19	120	32	13
WALTERSBURG	210	180	0	0	30	0	66.7	0.0	0	1950	20	18	200	37	6
TOTALS & AVE	440	330	0	0	110	0	30.3	0.0	0	1692	16	18	168	35	9
ROLAND C	10290														
PENNSYLVANIA	20	0	0	0	20	0	100.0	0.0	0	1675	10	16	130	36	7
DEGONIA	40	0	0	0	40	0	50.0	0.0	0	2069	8	18	43	35	8
CLORE	70	0	0	0	70	0	100.0	0.0	0	1997	7	17	64	36	6
PALESTINE	40	0	0	0	40	0	100.0	0.0	0	2085	5	20	200	34	10
WALTERSBURG	1870	930	0	0	410	530	78.4	98.1	1	2200	15	18	150	31	11
TAR SPRINGS	550	220	0	140	190	0	50.0	0.0	0	2312	15	19	86	35	6
HARDINSBURG	1820	260	1270	0	240	50	64.7	100.0	2	2520	12	19	239	37	6
GOLCONDA	10	0	0	0	10	0	100.0	0.0	0	2500	7	16	20	35	7
CYPRESS	2180	440	200	130	1320	90	65.3	77.8	2	2625	13	18	89	36	6
PT CK GROUP	2230	730	0	130	760	610	87.0	100.0	1	2795	14	19	50	37	6
AUX VASES	4100	690	1030	260	1760	1050	85.7	88.7	0	2931	16	15	42	39	5
STE GEN	2050	240	0	140	1470	200	60.4	52.6	0	3010	9	17	124	38	6
ST LOUIS	30	0	0	0	30	0	100.0	0.0	0	3170	10	12	30	37	7
SALEM	30	0	0	0	30	0	100.0	0.0	0	4089	19	10	20	38	6
ULLIN	10	0	0	0	10	0	100.0	0.0	0	4050	14	12	20	38	6
TOTALS & AVE	15050	3510	2500	800	6400	2530	73.8	90.4	6	2704	14	17	95	37	6
ROLAND M	10	0	0	0	10	0	0.0	0.0	0	2930	15	15	40	40	5
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2930	15	15	40	40	5
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2930	15	15	40	40	5

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary				No. of SWD* wells	Average properties					
					Acres		% Active			Depth (ft)	Thickness (ft)	Porosity (%)	Permeability (md)	Gravity ("API)	Viscosity (cp)
Pay name	Pay acres	Act- ive	Aban- doned	Upde- veloped	Edge	Inter- ior	Edge	Inter- ior							
MUSE HILL	10														
MCCLOSKY	10	0	0	0	10	0	100.0	0.0	0	2695	10	13	275	39	4
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	2695	10	13	275	39	4
RUARK	470														
PENNSYLVANIA	370	70	0	0	280	20	63.6	50.0	2	1600	10	18	100	33	12
BETHEL	90	0	0	0	90	0	37.5	0.0	0	2075	11	17	40	36	6
AUX VASES	30	0	0	0	30	0	66.7	0.0	0	2150	7	18	75	37	6
OHARA	10	0	0	0	10	0	0.0	0.0	0	2275	5	17	150	37	7
TOTALS & AVE	500	70	0	0	410	20	56.6	50.0	2	1725	10	18	87	34	10
RUARK W C	680														
WALTERSBURG	50	0	0	0	50	0	40.0	0.0	0	1800	10	18	50	38	8
CYPRESS	10	0	0	0	10	0	100.0	0.0	0	2165	9	18	80	35	8
BETHEL	580	430	0	0	140	10	60.0	100.0	0	2220	20	17	40	36	6
STE GEN	240	0	0	160	80	0	83.3	0.0	0	2350	7	14	40	38	6
TOTALS & AVE	880	430	0	160	280	10	64.5	100.0	0	2220	16	17	41	36	6
RURAL HILL N	100														
CYPRESS	90	90	0	0	0	0	0.0	0.0	0	2400	9	15	25	35	8
SPAR MTN	10	0	0	10	0	0	0.0	0.0	0	3325	8	14	30	37	6
TOTALS & AVE	100	90	0	10	0	0	0.0	0.0	0	2483	9	15	25	35	8
RUSHVILLE	10														
DEV-SIL	10	0	0	0	10	0	100.0	0.0	0	690	5	13	30	37	6
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	690	5	13	30	37	6
RUSHVILLE NW	20														
SILURIAN	20	0	0	0	20	0	50.0	0.0	0	670	3	13	20	36	7
TOTALS & AVE	20	0	0	0	20	0	50.0	0.0	0	670	3	13	20	36	7
RUSSELLVILLE GAS	10														
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	1560	7	17	100	35	8
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	1560	7	17	100	35	8
RUSSELLVILLE W	10														
SPAR MTN	10	0	0	0	10	0	0.0	0.0	0	1560	22	14	100	37	6
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	1560	22	14	100	37	6
ST FRANCISVILLE	950														
BETHEL	950	70	30	0	530	320	75.8	83.3	0	1850	6	17	70	32	13
TOTALS & AVE	950	70	30	0	530	320	75.8	83.3	0	1850	6	17	70	32	13
ST FRANCISVILLE	380														
PENNSYLVANIA	60	0	0	0	60	0	60.0	0.0	0	1250	10	18	100	30	20
WALTERSBURG	10	0	0	0	10	0	0.0	0.0	0	1300	6	18	50	37	8
HARDINSBURG	40	0	0	0	40	0	100.0	0.0	0	1460	6	17	50	35	8
CYPRESS	40	0	0	0	40	0	100.0	0.0	0	1600	15	17	50	36	7
BETHEL	250	100	60	0	90	0	80.0	0.0	0	1750	20	18	50	40	4
SPAR MTN	10	0	0	0	10	0	100.0	0.0	0	1930	6	13	20	36	7
TOTALS & AVE	410	100	60	0	250	0	79.2	0.0	0	1677	16	18	54	38	6
ST JACOB	1050														
TRENTON	1050	890	0	0	110	50	60.0	33.3	0	2350	20	10	10	40	5
TOTALS & AVE	1050	890	0	0	110	50	60.0	33.3	0	2350	20	10	10	40	5
ST JACOB E	10														
HARDIN	10	0	0	0	10	0	0.0	0.0	0	1840	12	12	15	23	99
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	1840	12	12	15	23	99
ST JAMES	2270														
GOLCONDA	10	0	0	0	10	0	100.0	0.0	0	1550	15	13	50	34	9
CYPRESS	1890	1150	80	40	410	190	39.4	100.0	5	1586	16	19	190	37	6
RENOIST	10	0	0	10	0	0	0.0	0.0	0	1750	8	16	30	36	7
SPAR MTN	100	0	0	80	20	0	0.0	0.0	0	1860	16	18	180	38	7
CARPER	670	480	0	110	60	20	66.7	66.7	1	3122	40	12	10	37	6
TOTALS & AVE	2680	1630	80	260	500	210	42.3	96.8	4	2298	22	16	107	37	6
ST PAUL	380														
BENOIST	240	0	0	0	160	80	84.6	100.0	0	1900	9	16	50	34	9
SPAR MTN	10	0	0	0	10	0	100.0	0.0	0	2080	6	15	70	38	6
CARPER	290	0	0	0	190	100	62.5	100.0	0	3290	20	12	10	36	6
TOTALS & AVE	540	0	0	0	360	180	73.4	100.0	0	2993	19	13	19	36	6
STE MARIE	1110														
STE GEN	1110	190	580	0	280	50	62.5	75.0	0	2820	8	16	200	37	7
TOTALS & AVE	1110	190	580	0	280	50	62.5	75.0	0	2820	8	16	200	37	7
STE MARIE E	80														
STE GEN	80	0	0	0	80	0	33.3	0.0	0	2685	10	16	200	38	5
TOTALS & AVE	80	0	0	0	80	0	33.3	0.0	0	2685	10	16	200	38	5
STE MARIE W	400														
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	2720	25	17	40	37	7
MCCLOSKY	400	0	0	0	360	40	83.3	25.0	0	2810	6	17	180	40	4
TOTALS & AVE	410	0	0	0	370	40	83.8	25.0	0	2802	6	17	167	40	4
SAILOR SPRINGS C	70														
TAR SPRINGS	50	0	0	0	50	0	40.0	0.0	0	2330	6	16	84	37	6
SPAR MTN	20	0	0	0	20	0	0.0	0.0	0	3015	4	17	300	33	10
TOTALS & AVE	70	0	0	0	70	0	28.6	0.0	0	2474	5	16	129	36	7
SAILOR SPRINGS C	16980														
TAR SPRINGS	720	160	0	310	150	100	40.0	77.8	2	2308	12	16	84	37	6
GLEN DEAN	10	0	0	0	10	0	100.0	0.0	0	2390	8	16	50	38	5
CYPRESS	8970	4190	350	60	3660	710	71.4	70.8	10	2586	15	17	42	39	5
BETHEL	660	0	0	50	570	40	77.8	75.0	1	2723	20	15	50	37	7
AUX VASES	1970	0	40	70	1750	110	60.1	54.5	7	2825	13	17	45	37	6
STE GEN	6710	850	640	780	4020	420	60.4	56.3	10	2900	11	16	292	38	5
ST LOUIS	10	0	0	0	10	0	100.0	0.0	0	3310	11	12	30	39	5
TOTALS & AVE	19050	5200	1030	1270	10170	1380	69.1	65.7	30	2698	13	17	116	38	5

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary				No. of SWD wells	Average properties					
		Active	Aban-dandoned	Unde-veloped	Edge	Interior	Edge	Interior		Depth (ft)	Thick-ness (ft)	Forc-ity (%)	Perme-ability (md)	Grav-ity ("API)	Vis-cosity (cp)
Pay name	Pay acres														
SAILOR SPRINGS E	170														
CYPRESS	110	0	0	0	100	10	22.2	0.0	0	2700	8	18	50	36	7
MCCLOSKY	40	0	0	0	40	0	25.0	0.0	0	3020	7	17	300	37	6
SALEM	20	0	0	0	20	0	100.0	0.0	0	3552	6	12	30	38	5
TOTALS & AVE	170	0	0	0	160	10	32.6	0.0	0	2850	8	17	103	36	7
SAILOR SPRINGS N	60														
STE GEN	60	0	0	0	60	0	0.0	0.0	0	2980	4	17	300	37	6
TOTALS & AVE	60	0	0	0	60	0	0.0	0.0	0	2980	4	17	300	37	6
SALEM C	13580														
BENOIST	10830	9940	0	30	800	60	84.0	83.3	0	1794	27	18	147	37	5
AUX VASES	7590	7400	0	0	190	0	91.7	0.0	1	1849	25	16	27	37	5
STE GEN	10540	7930	110	200	1400	900	74.4	79.2	18	2100	16	14	245	37	6
ST LOUIS	180	0	0	180	0	0	0.0	0.0	0	2100	6	13	30	37	6
SALEM	1350	0	0	1330	20	0	100.0	0.0	0	2150	17	16	100	37	6
DEVONIAN	5680	5680	0	0	0	0	0.0	0.0	0	3450	40	15	40	42	3
TRENTON	1920	0	0	1920	0	0	0.0	0.0	0	4500	50	12	5	37	8
TOTALS & AVE	38090	30950	110	3660	2410	960	79.2	79.5	19	2502	26	16	102	38	5
SAMSVILLE	40														
WALTERSBURG	40	0	0	0	40	0	0.0	0.0	0	2420	7	16	75	38	5
TOTALS & AVE	40	0	0	0	40	0	0.0	0.0	0	2420	7	16	75	38	5
SAMSVILLE N	200														
BETHEL	200	0	60	0	140	0	16.7	0.0	0	2900	6	17	30	38	7
TOTALS & AVE	200	0	60	0	140	0	16.7	0.0	0	2900	6	17	30	38	7
SAMSVILLE NW	10														
OHARA	10	0	0	0	10	0	0.0	0.0	0	3190	4	17	150	38	4
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3190	4	17	150	38	4
SAMSVILLE W	80														
STE GEN	80	0	0	0	80	0	20.0	0.0	0	3260	10	15	50	38	5
TOTALS & AVE	80	0	0	0	80	0	20.0	0.0	0	3260	10	15	50	38	5
SANDOVAL	500														
CYPRESS	20	0	0	0	20	0	50.0	0.0	0	1400	10	18	100	37	6
BENOIST	480	0	0	0	260	220	100.0	100.0	1	1540	20	18	100	35	7
GENEVA	240	0	0	0	240	0	100.0	0.0	4	2920	9	14	30	38	6
TOTALS & AVE	740	0	0	0	520	220	98.1	100.0	5	1787	16	17	87	36	7
SANDOVAL W	10														
CYPRESS	10	0	0	0	10	0	0.0	0.0	1	1620	4	18	100	37	6
BENOIST	10	0	0	0	10	0	0.0	0.0	0	1550	15	17	100	36	7
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	1	1523	10	17	100	36	7
SANTA FE	10														
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	950	10	18	100	34	9
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	950	10	18	100	34	9
SCHMELL	50														
MCCLOSKY	50	0	0	0	50	0	40.0	0.0	0	3000	5	16	100	39	6
TOTALS & AVE	50	0	0	0	50	0	40.0	0.0	0	3000	5	16	100	39	6
SCHMELL E	10														
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3115	4	16	100	38	5
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3115	4	16	100	38	5
SCIOTA	10														
DEVONIAN	10	0	0	0	10	0	0.0	0.0	0	519	16	17	200	35	8
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	519	16	17	200	35	8
SEMINARY	120														
MCCLOSKY	120	0	90	0	30	0	0.0	0.0	0	3200	8	17	100	38	5
TOTALS & AVE	120	0	90	0	30	0	0.0	0.0	0	3200	8	17	100	38	5
SESSER C	1590														
CYPRESS	40	0	0	0	40	0	33.3	0.0	0	2450	10	18	100	38	6
RENAULT	340	140	0	0	190	10	80.0	100.0	0	2700	10	16	75	37	4
AUX VASES	1210	720	0	40	400	50	83.3	100.0	0	2650	15	18	50	38	5
STE GEN	100	0	0	50	50	0	0.0	0.0	0	2675	13	16	50	39	4
ST LOUIS	10	0	0	0	10	0	100.0	0.0	0	3000	20	13	30	37	7
CLEAR CREEK	120	90	0	0	30	0	100.0	0.0	0	4450	20	15	30	40	3
TOTALS & AVE	1020	950	0	90	720	60	74.8	100.0	0	2825	14	17	52	38	4
SHATTUC	280														
CYPRESS	150	110	0	0	40	0	66.7	0.0	0	1300	7	18	100	36	7
BENOIST	80	50	0	30	0	0	0.0	0.0	0	1420	13	18	100	35	8
TRENTON	180	0	0	100	80	0	100.0	0.0	0	4020	13	12	20	40	5
TOTALS & AVE	410	160	0	130	120	0	88.9	0.0	0	2765	11	15	58	38	6
SHATTUC N	10														
BENOIST	10	0	0	0	10	0	0.0	0.0	0	1450	7	18	100	36	7
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	1450	7	18	100	36	7
SHANNEETOWN	70														
PALESTINE	40	0	0	0	40	0	0.0	0.0	0	1720	25	18	200	35	8
WALTERSBURG	10	0	0	0	10	0	0.0	0.0	0	1900	12	20	100	37	5
TAR SPRINGS	60	0	0	0	60	0	0.0	0.0	0	1950	12	18	75	39	6
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	2375	10	18	150	38	6
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2750	10	16	40	38	6
TOTALS & AVE	130	0	0	0	130	0	0.0	0.0	0	1894	16	18	140	36	7
SHANNEETOWN E	30														
WALTERSBURG	10	0	0	0	10	0	0.0	0.0	0	1855	12	20	100	37	5
BETHEL	10	0	0	0	10	0	100.0	0.0	0	2480	8	17	50	37	6
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	2750	10	16	40	38	6
TOTALS & AVE	30	0	0	0	30	0	66.7	0.0	0	2320	10	18	67	37	6

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Area acres	Waterflood acres				Remaining primary				No. of SWDk wells	Average properties					
		Pay acres	Act- ive	Aban- doned	Unde- veloped	Edge	Inter- ior	Edge	Inter- ior		Depth (ft)	Thick- ness (ft)	Pores- osity (%)	Perme- ability (md)	Grav- ity ("API)	Vis- cosity (cp)
SHAWNEETOWN N	50															
AUX VASES	40	0	40	0	0	0	0	0.0	0.0	0	2740	10	16	40	38	6
MCCLOSKY	10	0	0	0	0	10	0	100.0	0.0	0	3050	6	14	130	36	7
TOTALS & AVE	50	0	40	0	0	10	0	100.0	0.0	0	2780	9	16	52	38	6
SHERRYVILLE C	110															
AUX VASES	110	0	0	0	0	100	10	12.5	0.0	0	1860	15	17	40	34	8
TOTALS & AVE	110	0	0	0	0	100	10	12.5	0.0	0	1860	15	17	40	34	8
SHUMWAY	10															
MCCLOSKY	10	0	0	0	0	10	0	100.0	0.0	0	2220	3	17	100	37	6
TOTALS & AVE	10	0	0	0	0	10	0	100.0	0.0	0	2220	3	17	100	37	6
SICILY	70															
SILURIAN	70	0	0	0	0	70	0	0.0	0.0	1	1860	16	12	10	39	5
TOTALS & AVE	70	0	0	0	0	70	0	0.0	0.0	1	1860	16	12	10	39	5
SIGGINS	4430															
PENNSYLVNIN	4430	2800	170	0	1160	300	0.0	0.0	0.0	0	400	32	18	60	36	7
TOTALS & AVE	4430	2800	170	0	1160	300	0.0	0.0	0.0	0	400	32	18	60	36	7
SILDAM	280															
SILURIAN	280	0	0	0	280	0	66.7	0.0	0.0	0	630	3	14	30	37	6
TOTALS & AVE	280	0	0	0	280	0	66.7	0.0	0.0	0	630	3	14	30	37	6
SLAPOUT	240															
STE GEN	240	0	0	0	190	50	100.0	100.0	0	0	2760	4	16	100	38	5
TOTALS & AVE	240	0	0	0	190	50	100.0	100.0	0	0	2760	4	16	100	38	5
SORENTO C	690															
PENNSYLVNIN	70	0	0	0	70	0	85.7	0.0	2	2	570	20	18	100	31	19
LINGLE	640	0	40	0	910	90	16.3	27.2	0	1975	8	13	50	35	10	
TOTALS & AVE	710	0	40	0	580	90	24.7	22.2	2	1595	9	14	61	34	12	
SORENTO W	10															
DEVONIAN	10	0	0	0	10	0	0.0	0.0	0	0	1880	5	13	50	37	7
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	0	1880	5	13	50	37	7
SPARTA	20															
CYPRESS	20	0	0	0	20	0	0.0	0.0	0	0	850	7	17	100	35	8
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	0	850	7	17	100	35	8
SPARTA S	10															
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	0	880	8	17	100	35	8
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	0	880	8	17	100	35	8
SPRINGFIELD E	220															
HIBBARD	10	0	0	0	10	0	100.0	0.0	0	0	1625	5	13	30	37	7
SILURIAN	220	0	0	0	190	30	52.9	66.7	3	1600	12	10	10	39	4	
TOTALS & AVE	230	0	0	0	200	30	55.3	66.7	3	1600	12	10	10	39	4	
STAUNTON	30															
PENNSYLVNIN	30	0	0	0	30	0	33.3	0.0	0	0	515	11	18	100	35	8
TOTALS & AVE	30	0	0	0	30	0	33.3	0.0	0	0	515	11	18	100	35	8
STAUNTON W	240															
PENNSYLVNIN	240	60	0	0	180	0	87.5	0.0	2	2	480	10	18	100	35	8
TOTALS & AVE	240	60	0	0	180	0	87.5	0.0	2	2	480	10	18	100	35	8
STEWARSON	300															
AUX VASES	300	260	0	0	40	0	50.0	0.0	0	1950	9	17	40	38	6	
SPAR MTN	70	70	0	0	0	0	0.0	0.0	0	2020	10	14	50	37	6	
TOTALS & AVE	370	330	0	0	40	0	50.0	0.0	0	1964	9	16	42	38	6	
STEWARSON E	20															
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	2180	6	17	100	38	5	
SPAR MTN	20	0	0	0	20	0	50.0	0.0	0	2200	6	16	150	37	6	
TOTALS & AVE	30	0	0	0	30	0	66.7	0.0	0	2193	6	16	133	37	6	
STORMS C	4490															
PENNSYLVNIN	240	10	0	0	230	0	80.0	0.0	3	1300	15	18	80	34	10	
DECONIA	180	0	90	0	90	0	71.4	0.0	0	2100	7	19	100	35	7	
CLORE	240	70	110	0	60	0	60.0	0.0	0	2080	10	16	50	35	7	
PALESTINE	70	0	0	10	60	0	100.0	0.0	0	2150	15	20	200	35	6	
WALTERSBURG	2670	2390	20	0	230	0	0.0	0.0	0	2290	20	20	200	33	9	
TAR SPRINGS	240	70	0	40	130	0	91.7	0.0	1	2340	10	19	100	37	6	
HARDINSBURG	20	0	0	0	20	0	100.0	0.0	0	2475	10	19	200	37	5	
CYPRESS	310	0	0	80	230	0	75.0	0.0	2	2700	10	18	200	37	5	
BETHEL	10	0	0	0	10	0	0.0	0.0	0	2800	10	17	50	37	6	
RENAULT	10	0	0	0	10	0	100.0	0.0	0	2990	6	14	30	39	4	
AUX VASES	1030	430	0	170	380	50	77.4	100.0	0	3000	15	18	50	35	7	
STE GEN	280	0	0	70	210	0	50.0	0.0	0	3100	17	16	150	35	7	
TOTALS & AVE	5300	2970	220	370	1660	50	64.2	100.0	6	2425	17	19	152	34	6	
STRINGTOWN	530															
STE GEN	530	0	250	0	270	10	41.2	0.0	1	3025	8	18	300	40	4	
TOTALS & AVE	530	0	250	0	270	10	41.2	0.0	1	3025	8	18	300	40	4	
STRINGTOWN E	10															
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3010	4	15	100	37	6	
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3010	4	15	100	37	6	
STUBBLEFIELD S	20															
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	985	6	18	50	35	6	
DEVONIAN	10	0	0	0	10	0	0.0	0.0	0	2185	6	13	30	37	7	
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	1671	7	15	39	36	7	
SUMNFR	20															
MCCLOSKY	20	0	0	0	20	0	0.0	0.0	0	2260	4	17	200	39	4	
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	2260	4	17	200	39	4	

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary				No. of SWD* wells	Average properties					
					Acres		% Active			Depth (ft)	Thickness (ft)	Porosity (%)	Permeability (md)	Gravity (°API)	Viscosity (cp)
Pay name	Pay acres	Act- ive	Aban- doned	Unde- veloped	Edge	In- terior	Edge	In- terior							
SUMNER CEN	10														
SPAR Mtn	10	0	0	0	10	0	0.0	0.0	0	2544	5	16	175	37	6
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	2544	5	16	175	37	6
SUMNER S	60														
AUX VASES	60	0	0	0	60	0	100.0	0.0	0	2600	8	16	50	36	8
TOTALS & AVE	60	0	0	0	60	0	100.0	0.0	0	2600	8	16	50	36	8
SUMPTER	270														
TAR SPRINGS	190	0	0	0	190	0	50.0	0.0	1	2580	18	18	200	37	6
HARDINSBURG	10	0	0	0	10	0	0.0	0.0	0	2650	12	18	200	36	6
CYPRESS	60	0	0	0	60	0	50.0	0.0	0	2650	15	18	50	37	6
OHARA	10	0	0	0	10	0	100.0	0.0	0	3220	8	15	40	36	6
TOTALS & AVE	270	0	0	0	270	0	50.0	0.0	1	2644	17	18	168	37	6
SUMPTER E	1610														
CYPRESS	220	0	0	10	160	50	93.3	100.0	0	2800	16	18	50	37	6
BETHEL	20	0	0	0	20	0	100.0	0.0	0	2920	12	17	50	35	7
AUX VASES	420	400	0	0	20	0	100.0	0.0	0	3000	15	18	50	39	5
STE GEN	1110	410	0	0	520	180	87.1	100.0	0	3130	7	14	40	35	6
TOTALS & AVE	1770	810	0	10	720	230	89.2	100.0	0	3016	10	16	46	37	6
SUMPTER N	240														
AUX VASES	240	190	0	0	50	0	75.0	0.0	0	3200	10	18	50	37	7
TOTALS & AVE	240	190	0	0	50	0	75.0	0.0	0	3200	10	18	50	37	7
SUMPTER S	250														
TAR SPRINGS	120	0	0	120	0	0	0.0	0.0	0	2600	8	18	200	34	7
BETHEL	10	0	0	0	10	0	100.0	0.0	0	3025	9	17	50	35	7
AUX VASES	210	200	0	0	10	0	100.0	0.0	0	3250	10	18	50	37	6
TOTALS & AVE	340	200	0	120	20	0	100.0	0.0	0	3045	9	18	96	36	6
SUMPTER W	10														
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	3150	5	18	50	37	7
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3150	5	18	50	37	7
TAMARDA	320														
CYPRESS	210	110	0	0	100	0	50.0	0.0	0	1120	13	18	100	30	18
TRENTON	110	0	0	0	110	0	80.0	0.0	0	4140	99	12	30	38	5
TOTALS & AVE	320	110	0	0	210	0	65.7	0.0	0	3535	43	13	44	36	6
TAMARDA S	190														
CYPRESS	190	90	0	0	100	0	80.0	0.0	1	1150	7	17	75	28	27
TOTALS & AVE	190	90	0	0	100	0	80.0	0.0	1	1150	7	17	75	28	27
TAMARDA W	20														
CYPRESS	20	0	0	0	20	0	100.0	0.0	0	1100	5	16	70	34	11
TOTALS & AVE	20	0	0	0	20	0	100.0	0.0	0	1100	5	16	70	34	11
TAYLOR HILL	40														
OHARA	40	0	0	0	40	0	66.7	0.0	0	3050	4	14	20	37	7
ULLIN	30	0	0	0	30	0	50.0	0.0	0	3940	15	10	10	38	6
TOTALS & AVE	70	0	0	0	70	0	59.5	0.0	0	3707	9	11	13	38	6
TEUTOPOLIS	120														
STE GEN	120	0	0	0	120	0	100.0	0.0	0	2470	5	18	200	38	2
ST LOUIS	10	0	0	0	10	0	100.0	0.0	0	2570	4	12	30	39	4
TOTALS & AVE	130	0	0	0	130	0	100.0	0.0	0	2485	5	18	189	38	2
THACKERAY	830														
CYPRESS	20	0	0	0	20	0	100.0	0.0	0	3030	24	17	80	36	7
AUX VASES	760	540	0	0	180	40	53.8	100.0	0	3370	15	20	270	37	7
STE GEN	120	0	0	70	50	0	100.0	0.0	0	3435	11	16	100	37	7
TOTALS & AVE	900	540	0	70	250	40	66.8	100.0	0	3364	15	19	246	37	7
THOMPSONVILLE	280														
STE GEN	270	0	0	0	200	70	26.7	28.6	0	3110	12	15	70	38	5
ST LOUIS	20	0	0	0	20	0	100.0	0.0	0	3450	10	12	50	39	4
TOTALS & AVE	290	0	0	0	220	70	33.3	28.6	0	3130	12	15	69	38	5
THOMPSONVILLE E	170														
AUX VASES	170	40	20	0	110	0	57.1	0.0	1	3180	10	21	100	38	6
TOTALS & AVE	170	40	20	0	110	0	57.1	0.0	1	3180	10	21	100	38	6
THOMPSONVILLE N	870														
CYPRESS	20	0	10	0	10	0	0.0	0.0	0	2750	10	19	100	37	6
AUX VASES	860	0	440	0	390	30	51.5	33.3	0	3040	15	21	100	35	8
TOTALS & AVE	880	0	450	0	400	30	50.2	33.3	0	3036	15	21	100	35	8
TILDEEN	610														
SILURIAN	610	0	0	0	380	230	90.9	100.0	0	2160	60	17	100	40	3
TOTALS & AVE	610	0	0	0	380	230	90.9	100.0	0	2160	60	17	100	40	3
TOLIVER E	70														
CYPRESS	10	0	0	0	10	0	0.0	0.0	0	2510	14	17	50	36	7
AUX VASES	20	0	0	0	20	0	100.0	0.0	0	2740	4	16	90	36	8
STE GEN	60	0	0	0	60	0	75.0	0.0	1	2843	8	17	267	35	9
TOTALS & AVE	90	0	0	0	90	0	72.2	0.0	1	2765	8	17	203	35	8
TOLIVER S	70														
AUX VASES	10	0	0	0	10	0	0.0	0.0	0	2765	10	17	30	36	7
MCCLOSKY	60	0	0	0	60	0	0.0	0.0	0	2875	5	17	300	34	9
TOTALS & AVE	70	0	0	0	70	0	0.0	0.0	0	2848	6	17	239	35	9
TONTI	1050														
RENDIST	140	40	0	90	10	0	0.0	0.0	0	1930	20	18	100	36	6
AUX VASES	170	0	0	100	70	0	100.0	0.0	0	2000	30	17	50	37	5
STE GEN	1050	230	30	340	440	10	90.6	100.0	0	2125	12	16	248	38	5
DEVONIAN	80	0	0	0	80	0	100.0	0.0	0	3500	7	14	30	37	6
TOTALS & AVE	1440	270	30	930	600	10	91.5	100.0	0	2105	15	16	175	37	5

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary				No. of SWD <sup>a</sup> wells	Average properties						
		Active	Aban-	Doned	Unde-	veloped	Edge	Intra-	Edge	Depth (ft)	Thick-	Foros-	Perme-	Grav-		
Pay name	Pay acres										(ft)	ness (fe)	ity (%)	ability (md)	city (*API)	Visc-
															osity (cp)	
TOVEY	10															
SILURIAN	10	0	0	0	0	10	0	100.0	0.0	0	1850	10	10	10	38	5
TOTALS & AVE	10	0	0	0	0	10	0	100.0	0.0	0	1850	10	10	10	38	5
TRUMBULL C	1490															
TAR SPRINGS	30	0	0	0	30	0	100.0	0.0	0	2530	5	18	200	35	7	
CYPRESS	420	190	0	20	210	0	66.7	0.0	1	2850	10	17	45	36	6	
BETHEL	50	0	0	0	50	0	100.0	0.0	0	3300	9	17	90	37	6	
AUX VASES	520	40	0	20	410	50	83.8	100.0	1	3170	10	18	63	36	7	
STE GEN	660	120	0	0	500	40	75.7	66.7	0	3230	9	16	66	37	6	
TOTALS & AVE	1680	350	0	40	1200	90	78.5	85.2	2	3106	9	17	60	36	6	
TRUMBULL N	40															
AUX VASES	20	0	20	0	0	0	0	0.0	0.0	0	3325	7	18	50	36	7
MCCLOSKY	20	0	10	0	10	0	100.0	0.0	0	3460	16	17	100	37	6	
TOTALS & AVE	40	0	30	0	10	0	100.0	0.0	0	3419	12	17	85	37	6	
TURKEY BEND	10															
TRENTON	10	0	0	0	10	0	100.0	0.0	0	3940	42	10	10	39	6	
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	3940	42	10	10	39	6	
VALIER	110															
AUX VASES	100	40	0	0	60	0	66.7	0.0	0	2685	8	18	100	39	4	
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	2715	12	17	80	39	4	
TOTALS & AVE	110	40	0	0	70	0	57.1	0.0	0	2689	8	18	97	39	4	
VIRDEN W	30															
DEVONIAN	30	0	0	0	30	0	100.0	0.0	0	1360	20	12	20	38	6	
TOTALS & AVE	30	0	0	0	30	0	100.0	0.0	0	1360	20	12	20	38	6	
WAGGONER	30															
PENNSYLVNIN	30	0	0	0	30	0	0.0	0.0	0	610	10	18	100	28	37	
TOTALS & AVE	30	0	0	0	30	0	0.0	0.0	0	610	10	18	100	28	37	
WAKEFIELD	40															
SPAR MTN	40	0	0	0	40	0	0.0	0.0	0	3100	5	16	100	38	5	
TOTALS & AVE	40	0	0	0	40	0	0.0	0.0	0	3100	5	16	100	38	5	
WAKEFIELD N	10															
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3000	6	16	200	37	6	
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3000	6	16	200	37	6	
WAKEFIELD S	10															
MCCLOSKY	10	0	0	0	10	0	0.0	0.0	0	3040	4	16	200	37	6	
TOTALS & AVE	10	0	0	0	10	0	0.0	0.0	0	3040	4	16	200	37	6	
WALPOLE	2140															
TAR SPRINGS	110	0	0	40	70	0	85.7	0.0	0	2450	15	20	100	37	7	
AUX VASES	2020	1630	90	0	260	40	59.1	100.0	0	3193	18	18	100	37	6	
STE GEN	100	0	0	90	10	0	0.0	0.0	0	3200	7	16	50	37	6	
ST LOUIS	10	0	0	0	10	0	100.0	0.0	0	3544	8	12	20	38	5	
TOTALS & AVE	2240	1630	90	130	350	40	63.9	100.0	0	3162	17	18	99	37	6	
WALPOLE S	40															
AUX VASES	40	0	0	0	40	0	100.0	0.0	0	3124	8	18	100	37	6	
TOTALS & AVE	40	0	0	0	40	0	100.0	0.0	0	3124	8	18	100	37	6	
WALTONVILLE	60															
BENOIST	50	0	0	0	50	0	75.0	0.0	0	2450	9	18	100	38	5	
ST LOUIS	10	0	0	0	10	0	0.0	0.0	0	2770	14	14	50	37	6	
TOTALS & AVE	60	0	0	0	60	0	62.5	0.0	0	2926	10	17	88	38	5	
WAMAC	310															
PENNSYLVNIN	300	170	0	0	130	0	66.7	0.0	0	750	18	21	200	36	7	
DEVONIAN	10	0	0	0	10	0	100.0	0.0	0	3000	9	14	30	38	6	
TOTALS & AVE	310	170	0	0	140	0	69.0	0.0	0	787	18	21	197	36	7	
WAMAC E	140															
PENNSYLVNIN	140	0	0	0	140	0	60.0	0.0	1	850	15	20	180	30	25	
TOTALS & AVE	140	0	0	0	140	0	60.0	0.0	1	850	15	20	180	30	25	
WAMAC W	290															
CYPRESS	170	50	0	0	120	0	100.0	0.0	0	1310	8	16	50	35	8	
BENOIST	110	110	0	0	0	0	0.0	0.0	0	1450	12	18	100	36	6	
TOTALS & AVE	280	160	0	0	120	0	100.0	0.0	0	1379	10	17	75	35	7	
WAPELLA E	350															
DEVONIAN	30	0	0	0	30	0	100.0	0.0	0	1108	5	20	400	31	13	
SILURIAN	350	0	0	0	190	160	100.0	100.0	0	1110	6	20	400	31	13	
TOTALS & AVE	380	0	0	0	220	160	100.0	100.0	0	1110	6	20	400	31	13	
WARRENTON-BORTON	460															
PENNSYLVNIN	460	0	60	0	380	20	25.0	50.0	1	250	24	19	198	31	20	
TOTALS & AVE	460	0	60	0	380	20	25.0	50.0	1	250	24	19	198	31	20	
WATERLOO	160															
TRENTON	160	0	0	0	80	80	0.0	0.0	0	400	50	11	10	30	25	
TOTALS & AVE	160	0	0	0	80	80	0.0	0.0	0	400	50	11	10	30	25	
WATSON	30															
STE GEN	30	0	0	0	30	0	33.3	0.0	0	2420	8	17	100	39	5	
TOTALS & AVE	30	0	0	0	30	0	33.3	0.0	0	2420	8	17	100	39	5	
WATSON W	10															
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	2208	12	17	100	39	5	
TOTALS & AVE	10	0	0	0	10	0	100.0	0.0	0	2208	12	17	100	39	5	
WAVERLY	20															
DEV-SIL	20	0	0	0	20	0	0.0	0.0	0	1020	10	13	30	34	12	
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	1020	10	13	30	34	12	

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres				Remaining primary				No. of SWD* wells	Average properties					
		Aban-	Unde-	Acre-	% Active	Edge	Inter-	Edge	Inter-		Depth (ft)	Thick-	For-	Perme-	Gray-	Via-
Pay name	Pay acres	tive	Aban-	Unde-	Edge	Inter-	Edge	Inter-	(ft)	ness (ft)	osity (%)	ability (md)	Gravity (*API)	Viscosity (cp)		
WEAVER	530															
COLE	30	0	0	0	30	0	100.0	0.0	0	1560	5	14	30	35	8	
DEVONIAN	500	0	0	0	370	130	63.0	100.0	0	2030	10	13	5	37	7	
TOTALS & AVE	530	0	0	0	400	130	65.7	100.0	0	2016	10	13	6	37	7	
WEST FRANKFORT C	1590															
TAR SPRINGS	680	160	120	0	320	80	82.8	100.0	2	2057	18	17	151	39	5	
AUX VASES	310	170	0	20	120	0	91.7	0.0	0	2690	12	18	96	38	5	
STE GEN	860	320	0	0	350	190	72.4	94.7	1	2757	11	15	50	38	6	
TOTALS & AVE	1050	650	120	20	790	270	79.5	96.3	3	2410	14	16	105	38	5	
WEST SEMINARY	300															
AUX VASES	210	210	0	0	0	0	0.0	0.0	0	2975	10	19	100	37	5	
STE GEN	280	750	0	0	30	0	66.7	0.0	0	3060	10	15	200	38	5	
TOTALS & AVE	490	460	0	0	30	0	66.7	0.0	0	3024	10	17	157	38	5	
WESTFIELD	9680															
PENNSYLVNIN	1220	40	350	0	740	90	9.5	0.0	0	250	20	18	150	28	35	
MISSISSIPPN	8720	100	0	0	3820	4760	6.5	5.0	0	350	8	17	100	32	13	
CARPER	580	0	0	0	320	260	93.3	100.0	1	875	20	15	5	38	5	
TRENTON	1710	0	0	0	720	990	68.8	87.0	1	2300	40	10	5	38	7	
TOTALS & AVE	12230	140	350	0	5600	6100	19.9	22.3	2	1137	14	14	63	34	13	
WESTFIELD E	250															
PENNSYLVNIN	250	210	0	0	40	0	0.0	0.0	0	400	11	19	150	28	36	
TOTALS & AVE	250	210	0	0	40	0	0.0	0.0	0	400	11	19	150	28	36	
WESTFIELD N	20															
PENNSYLVNIN	20	0	0	0	20	0	0.0	0.0	0	370	9	19	100	28	36	
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	370	9	19	100	28	36	
WHITTINGTON	970															
HARDINSBURG	130	110	0	0	210	110	61.5	0.0	2	2310	10	18	100	38	5	
CYPRESS	240	50	0	40	160	0	66.7	0.0	0	2575	10	16	50	35	7	
PT CK GROUP	20	0	0	0	20	0	100.0	0.0	0	2600	4	17	30	38	5	
AUX VASES	100	0	0	0	100	0	66.7	0.0	0	2750	10	18	50	38	5	
STE GEN	360	80	0	0	250	30	83.3	100.0	1	2355	12	14	30	38	5	
ST LOUIS	30	0	0	0	30	0	100.0	0.0	0	3080	6	12	70	38	5	
TOTALS & AVE	1180	240	0	40	770	140	72.8	21.4	3	2595	10	16	60	37	5	
WHITTINGTON S	120															
CYPRESS	120	0	60	60	0	0	0.0	0.0	0	2580	10	17	50	35	7	
TOTALS & AVE	120	0	60	60	0	0	0.0	0.0	0	2580	10	17	50	35	7	
WHITTINGTON W	670															
BENOIST	10	0	0	0	10	0	100.0	0.0	0	2615	10	17	50	36	7	
RENAULT	480	370	0	0	80	30	100.0	100.0	0	2675	10	13	37	4		
AUX VASES	180	0	0	20	150	10	46.2	100.0	0	2700	15	18	97	38	6	
STE GEN	110	0	0	30	80	0	12.5	0.0	1	2800	9	17	200	38	5	
TOTALS & AVE	780	370	0	50	320	40	52.9	100.0	1	2697	11	15	61	37	5	
MILBERTON	1030															
BORDEN	10	0	0	0	10	0	100.0	0.0	0	2630	38	16	30	35	8	
CARPER	1020	930	0	0	90	0	57.1	0.0	0	3250	39	12	42	37	7	
LINGLE	30	0	0	30	0	0	0.0	0.0	0	3460	10	12	20	28	71	
TOTALS & AVE	1060	930	0	30	100	0	61.4	0.0	0	3246	38	12	42	37	8	
WILLIAMS C	460															
BENOIST	200	0	0	50	150	0	83.3	0.0	0	2500	10	18	100	39	5	
AUX VASES	400	140	0	0	260	0	82.6	0.0	2	2550	11	18	50	37	5	
MCCLOSKY	10	0	0	0	10	0	100.0	0.0	0	2600	6	16	50	37	5	
TOTALS & AVE	610	140	0	50	420	0	83.3	0.0	2	2535	11	18	65	38	5	
WILLOW HILL E	320															
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	254	60	61	6046	37	7	
MCCLOSKY	320	70	20	0	220	10	64.7	0.0	0	2650	6	17	163	39	5	
ST LOUIS	10	0	0	0	10	0	100.0	0.0	0	2900	5	12	20	39	9	
TOTALS & AVE	340	70	20	0	240	10	67.6	0.0	0	2095	8	27	1534	39	5	
MOBURN C	1410															
CYPRESS	310	0	0	0	220	90	42.9	33.3	0	650	6	18	50	35	8	
BENOIST	340	0	40	0	210	90	71.4	100.0	0	1020	14	17	50	36	7	
RENAULT	10	0	0	0	10	0	100.0	0.0	0	1047	3	17	80	36	7	
AUX VASES	120	0	0	40	80	0	87.5	0.0	0	1055	10	17	50	36	8	
LINGLE	720	0	0	0	640	80	81.1	80.0	0	2275	8	13	26	35	9	
TRENTON	320	0	0	0	250	70	42.9	40.0	0	3175	12	10	5	39	8	
TOTALS & AVE	1820	0	40	410	330	67.4	64.2	0	1911	9	14	32	36	8		
WOODLAWN	1900															
TAR SPRINGS	20	0	0	0	20	0	100.0	0.0	0	1700	10	17	100	35	8	
CYPRESS	180	0	70	0	90	20	100.0	100.0	0	1800	10	18	100	37	6	
BENOIST	1860	190	0	0	750	920	49.1	66.3	7	1920	25	16	225	37	6	
AUX VASES	270	0	0	110	100	60	70.0	100.0	0	1975	10	17	50	38	5	
STE GEN	240	0	0	100	110	30	72.7	100.0	0	2200	9	16	50	38	5	
LINGLE	70	0	0	0	70	0	42.9	0.0	1	3690	6	15	100	37	9	
TOTALS & AVE	2640	190	70	210	1140	1030	57.7	69.9	8	1943	70	16	204	37	6	
XENIA	100															
AUX VASES	10	0	0	0	10	0	100.0	0.0	0	2800	13	17	70	35	7	
CARPER	90	0	0	0	90	0	83.3	0.0	0	4230	12	14	25	38	5	
TOTALS & AVE	100	0	0	0	100	0	85.0	0.0	0	4076	12	14	30	38	5	
XENIA E	300															
CYPRESS	260	0	0	0	200	60	43.8	20.0	0	2500	6	18	100	37	6	
RENOIST	110	0	0	0	90	20	77.8	100.0	0	2700	6	17	50	35	8	
RENAULT	20	0	0	0	20	0	0.0	0.0	0	2750	15	16	80	35	7	
AUX VASES	30	0	0	0	30	0	66.7	0.0	0	2750	10	17	70	35	7	
TOTALS & AVE	470	0	0	0	340	80	52.2	40.0	0	2600	7	17	83	36	7	
YALE	30															
STE GEN	30	0	0	0	30	0	100.0	0.0	0	2123	9	14	150	37	5	
TOTALS & AVE	30	0	0	0	30	0	100.0	0.0	0	2123	9	14	150	37	5	

TABLE 2 - SIZE, DEVELOPMENT, AND PROPERTIES OF ILLINOIS OIL FIELDS - Continued

Field name	Areal acres	Waterflood acres			Remaining primary				No. of SWD* wells	Average properties					
		Acres	% Active	Edge	Interior	Edge	Interior	Edge		Depth (ft)	Thickness (ft)	Porosity (%)	Permeability (ml)	Gravity ("API)	Viscosity (cp)
Pay name	Pay acres	Act- ive	Aban- doned	Unde- veloped	Edge	Interior	Edge	Interior							
YORK	410														
PENNSYLVANIA	410	0	130	0	150	130	0.0	0.0	0	598	18	19	94	31	19
TOTALS & AVE	410	0	130	0	150	130	0.0	0.0	0	598	18	19	94	31	19
ZEIGLER	330														
AUX VASES	330	0	0	0	0	0	0.0	0.0	0	2670	15	21	75	37	6
TOTALS & AVE	330	0	0	0	0	0	0.0	0.0	0	2670	15	21	75	37	6
ZENITH	20														
MCCLOSKY	20	0	0	0	20	0	0.0	0.0	0	2970	7	16	75	38	5
TOTALS & AVE	20	0	0	0	20	0	0.0	0.0	0	2970	7	16	75	38	5
ZENITH E	210														
SPAR MTN	210	40	0	0	170	0	100.0	0.0	0	2950	10	14	50	37	6
TOTALS & AVE	210	40	0	0	170	0	100.0	0.0	0	2950	10	14	50	37	6
ZENITH N	280														
STE GEN	280	150	0	0	110	20	66.7	100.0	1	3080	7	14	50	38	4
TOTALS & AVE	280	150	0	0	110	20	66.7	100.0	1	3080	7	14	50	38	4
ZENITH S	260														
STE GEN	260	0	0	0	190	70	11.1	0.0	0	2920	7	15	80	37	6
TOTALS & AVE	260	0	0	0	190	70	11.1	0.0	0	2920	7	15	80	37	6

### Properties

Average depth and thickness, porosity and permeability, and oil gravity and viscosity were also estimated for each pay zone in each oil field. In general, these data were gathered together from core analysis reports and from Survey publications, well logs, and reports.

#### Depth and Thickness

In almost all fields, some data were available to estimate values for depth and thickness. Depth estimates, where published data (e.g. Van Den Berg, Lawry, and Mast, 1969) were not already available, were made from well logs. In general, the depth given represents an average depth at which a pay was found over its entire productive area in each field. In some large fields in the state, this figure may differ significantly from the depth at which a pay zone is encountered in a given location in the field.

The pay thickness was defined as the average oil saturated thickness over the productive area and was not generally equal to the net pay thickness. Where more than one production break was encountered in a pay zone, the pay thickness was estimated as the average oil saturated thickness of the pay zone over the productive area in the field.

These data are in table 2 under the heading of "Average properties." Average depth and thickness for the entire field are also given in the last line for each field. The average depth for the field was computed by weighting and averaging the individual pay zone depths, using the total acre feet of pay in each zone as the weighting factor. The average thickness for each field was determined in the same way as the average depth, except that for thickness, only the total pay acres were used as weighting factors.

#### Porosity and Permeability

The porosity and permeability of the oil pays were more difficult to determine because much of these data had to be taken directly from Survey publications on waterflood operations. In addition, a number of commercial core analysis reports were available in our files. In fields where no data could be found for the porosity and permeability of a pay, these values were estimated, using information from other fields in the same area. These data are in table 2, as are average porosity and permeability figures for the entire field. The field averages were determined by weighting and averag-

ing the individual pay zone values, using the total acre feet of pay in each zone as the weighting factor.

#### Oil Gravity and Viscosity

Oil gravity and viscosity data were available from Survey reports and publications (Armon, Coburn, Mast, and Sherman, 1964, and Armon, Lawry, and Mast, 1966) for most of the pay zones in the state. In general, the gravity and viscosity given in this report represent stock tank values. The viscosity is given at a temperature of 77° F.

Because a large amount of oil gravity and viscosity data were available, regression curves were constructed which related API gravity to depth. Also, regression curves were fitted to cross plots of API gravity and viscosity. The regression lines were then used to determine the values for these properties in pays where no other data were available. The gravity and viscosity data are in table 2. The field averages were determined by weighting and averaging the individual pay zone values, using the acre feet of pay in each zone as the weighting factor.

## ANALYSIS OF DATA

### Properties of Illinois Oil Fields

The frequency distributions for each property shown in figures 2, 3, and 4 were constructed using the data in table 2. Based on the total oil found (Bond, et al., in preparation), these data represent approximately 82 percent of all the oil reservoirs in the Illinois Basin. Therefore, the distributions shown should closely approximate the distributions for the entire basin.

The distribution for each property has been broken into four subdistributions representing the data from each of the four major lithologic types which produced oil in Illinois. Fine sandstone reservoirs are predominantly found in the Chesterian (Mississippian) and Pennsylvanian rocks. The very fine sandstones are mostly in the Aux Vases Sandstone Formation (Mississippian), but also include some Valmeyeran (Mississippian) siltstones. The very fine sandstone reservoirs, in general, required fracture stimulation to make oil production economically feasible. Oolitic limestones which produce oil in Illinois are mainly found in the Ste. Genevieve Limestone Formation (Mississippian). The other oil producing carbonate rocks include a wide variety of Mississippian, Devonian, Silurian, and Ordovician limestones and dolomites.

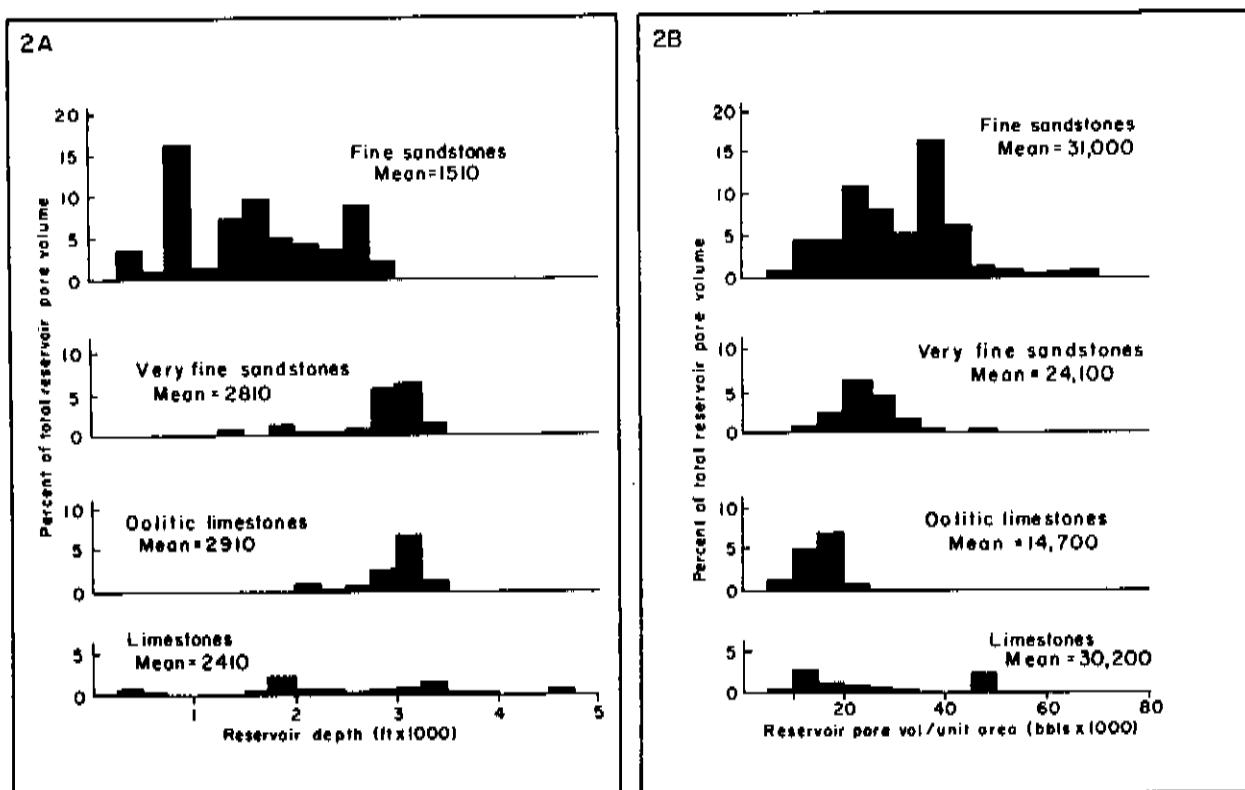


Fig. 2 - Depth and pore volume per unit area of Illinois oil fields.

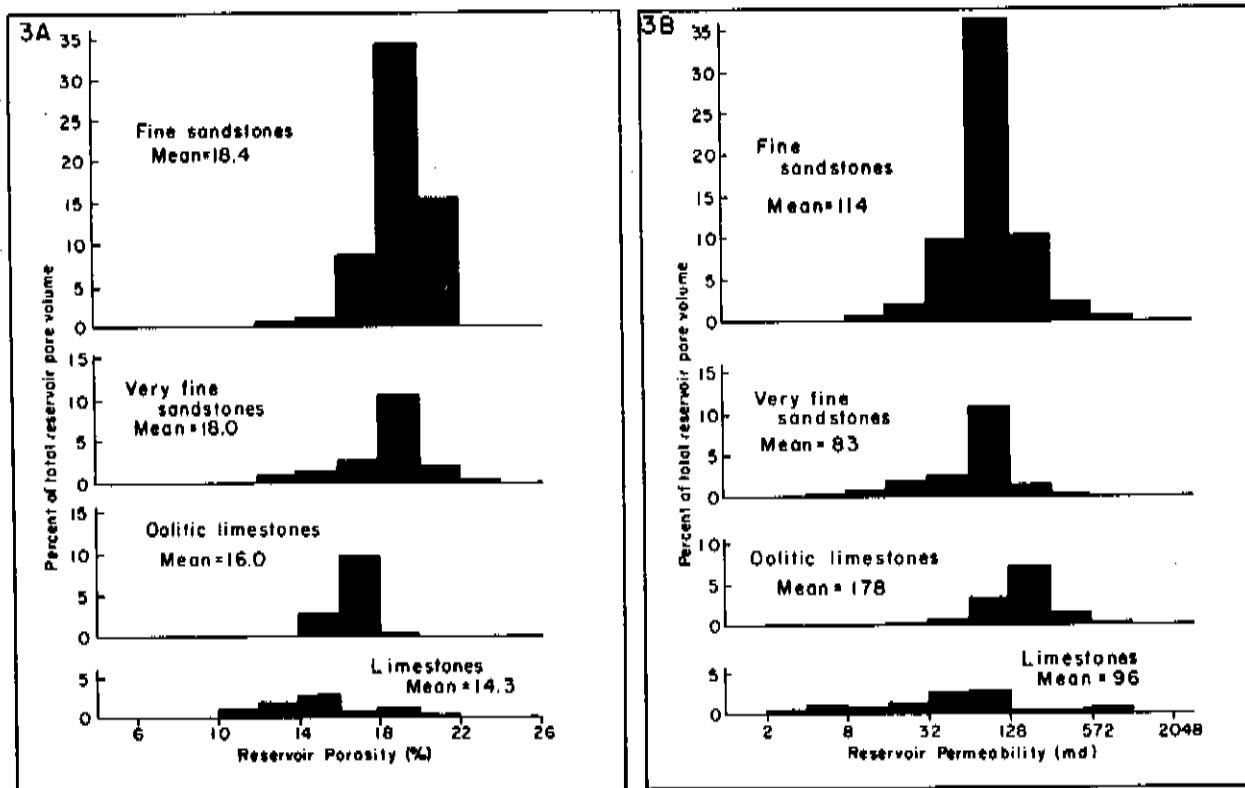


Fig. 3 - Porosity and permeability of Illinois oil reserves.

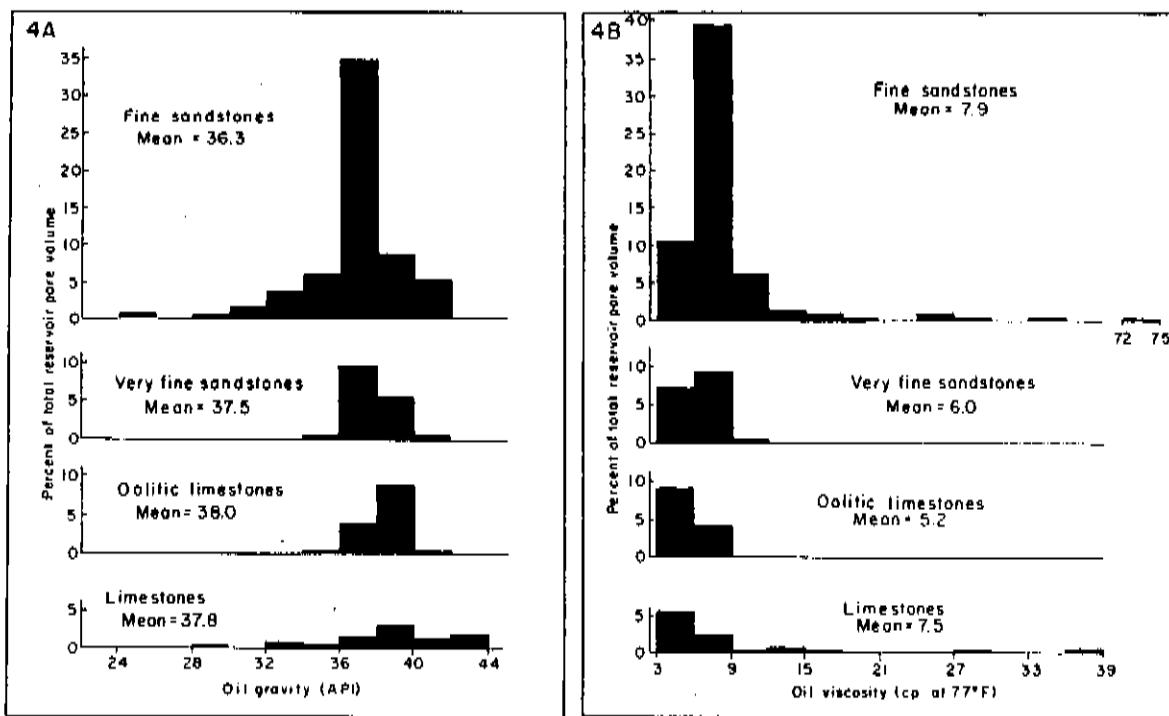


Fig. 4 - Gravity and viscosity of Illinois crude oils.

#### Depth and Pore Volume

The average depth at which oil is found in Illinois is 2000 feet. The depth distributions in figure 2A show several distinct peaks or modes that reflect the different stratigraphic intervals where large quantities of oil have been found (see table 3). In general, there is an abrupt cutoff in the depth distributions (fig. 2A) between 3000 and 3500 feet. This is probably due to the fact that a very small percentage of the total wells drilled in Illinois have been drilled to depths which exceed 3500 feet.

Pore volume per unit area distributions are given in figure 2B. Pore volume per unit area is the product of gross saturated thickness and porosity.

The two distinct maximums (modal classes) in the fine sandstone distribution reflect the fact that many of the oil pays represented are in geologic units which exhibit thick channel or deltaic sands associated with thin sands from a variety of origins (Swann, 1964).

Available closure must also be considered in interpreting the graphs in figure 2B. For thin sands, gross saturated thickness is primar-

ily limited by total sand thickness. For thick sands, gross saturated thickness depends more on the amount of closure available. The correspondence between the modal class for the very fine sandstones and the left-hand modal class for the fine sandstones supports the idea that in the case of thin sandstones, saturated thickness is primarily a function of sand thickness.

Using the average porosities given in figure 3A, the average saturated thickness for the different lithologies was computed. Fine sandstones have an average saturated thickness of 22 feet, very fine sandstones average 17 feet, and oolitic limestone reservoirs average only 12 feet.

#### Porosity and Permeability

The porosity distributions for Illinois reservoirs are shown in figure 3A. The porosity distribution for each lithologic unit is essentially a normal distribution. The sandstone and very fine sandstone distributions are very similar, reflecting the similarities of these two lithologies. Oolitic limestone reservoirs are limited to a somewhat narrow range of porosity and are considerably less porous than are the sandstone reser-

TABLE 3 - SIZE AND DEVELOPMENT STATISTICS FOR ILLINOIS  
OIL RESERVOIRS AS OF JANUARY 1, 1968

Stratigraphic interval	State's total reservoir pore volume (%)	Pay acres	Pay acres under flood (%)	Flood acres active (%)	Remaining primary active (%)	Active acreage not under flood*
Pennsylvanian	22.9	107,400	46.3	81.2	46.1	26,500
<b>Mississippian</b>						
<b>Chesterian</b>						
Kinkaid-Barlow	5.5	38,900	59.7	81.7	70.1	11,000
Cypress	17.5	112,000	65.4	91.6	72.0	27,900
Paint Creek-Renault	12.8	91,400	60.8	92.7	70.4	25,200
<b>Valmeyeran</b>						
Aux Vases	16.6	121,000	57.1	85.1	66.0	34,200
Ste. Genevieve	15.3	189,800	37.4	83.8	52.7	62,600
St. Louis-Carper	2.3	21,900	7.7	95.3	44.0	8,900
Devonian	3.4	23,900	43.9	74.0	75.6	10,200
Silurian	2.1	19,100	3.2	91.9	65.5	12,100
Ordovician	1.6	9,000	28.8	0.0	61.7	4,000
<b>State</b>	<b>100.0</b>	<b>734,400</b>	<b>48.9</b>	<b>84.4</b>	<b>59.2</b>	<b>222,600</b>

\*Includes undeveloped waterflood acreage.

voirs. On the average, the limestones have the lowest porosity (14.3 percent) of all the lithologic units investigated.

The permeability distributions in figure 3B have been constructed using equal intervals based on the  $\log_2$  of permeability, which has effectively normalized these distributions so that they closely resemble the porosity distributions. The computed permeability means given on the figure are the geometric means. A comparison of the porosities and permeabilities of the different lithologies in figure 4 shows that the very fine sandstones are on the average 27 percent less permeable, but only 2 percent less porous than the fine sandstones. These variations can be interpreted in terms of differences in primary textural parameters, such as grain size and sorting. Oolitic limestones, on the other hand, are on the average 56 percent more permeable and 13 percent less porous than the fine sandstones.

These average differences in porosity and permeability between all the sandstones (fine and very fine) and the oolitic limestones cannot be easily explained. Graf and Lamar (1950) outline a complex history for the development of porosity in oolitic rocks in a petrographic study of the Fredonia Limestone Member of the Ste. Genevieve Formation. They conclude that porosity in these rocks has been influenced by several post-depositional events including the deposition cements and solution of both cements and matrix materials. The low porosity and the high permeability of the oolitic limestones reflect the strong influence of secondary porosity on the permeability of these rocks.

#### Oil Gravity and Viscosity

The gravity of the crude oil in Illinois averages 36.8° API. In general, the gravity distribution in figure 4A reflects the depth range through which crude oil is found in each lithologic group; low gravity crudes are more prevalent in lithologies that are oil productive at shallow depths. The crude gravity distribution for the entire state (all lithologies) is skewed to the left and strongly peaked. A greater proportion of the crude oils found in Indiana and Kentucky parts of the Illinois Basin have lower gravities than those found in Illinois. It is probable that the addition of the Indiana and Kentucky data would increase the skewness of these distributions, but it is unlikely that a secondary mode would develop.

The viscosity distributions shown in figure 4B essentially mirror the gravity distributions.

The mean viscosity for all the crude in the state is 7.1 centipoise at 77° F.

#### Size and Development of Illinois Oil Fields

The number of surface acres in Illinois underlain by oil totals 573,390 acres. In comparison, the sum of the pay acreage in the state is 734,400 acres. On the average, then, each oil producing well produces from 1.3 pays.

Table 3 summarizes the data in table 2 for selected stratigraphic intervals and for all the oil fields in the state. Based on acreage, an estimated 48.9 percent of the oil-producing zones are included in active and abandoned waterfloods. Of the total of 350,000 pay acres which have been subject to injection, 15.6 percent have been abandoned. An estimated 59.2 percent, or a total of 222,600 acres, of the state's remaining primary acreage was still active as of January 1, 1968. The 222,600 acres include the pay acreage in existing flood areas which have not been developed for waterflood.

Table 3 also gives the total pay acres discovered in various stratigraphic intervals. Oil production in the state is most widespread in the Ste. Genevieve Limestone, the Aux Vases Sandstone, and the Cypress Sandstone Formations. Based on the percentage of the pay acres under flood, Chesterian sandstones have been the most widely developed for waterflood. In comparison, the occurrence of low-gravity, high-viscosity oils in the shallow Pennsylvanian oil sands has somewhat limited the development of these sands for waterflood.

Of the total reservoir pore volume, 22.9 percent of the oil-producing reservoirs in the state is in Pennsylvanian rocks (table 3), and 70.0 percent is in Mississippian rocks. Only 7.1 percent is found in Devonian, Silurian, and Ordovician rocks.

#### Future Development

It has been estimated by Mast (1969) that an average of 5000 acres per year will be developed for waterflood during 1970-1979. This would amount to approximately 25 percent of the remaining primary acreage and undeveloped flood acreage still active as of January 1, 1968. Future production from the Illinois oil fields will depend to a large extent on technological development of more efficient recovery processes.

Of total reservoir pore volume, 60 percent of Illinois oil reservoirs are in fine sandstone rocks which have an average porosity of 18.4 percent and an average permeability of 114 md. Average stock tank oil gravity is 36.8° API and the average viscosity of these crudes is 7.9 centipoise at 77° F. Very fine sands and siltstones make up approximately 17 percent of the Illinois oil reservoirs. These reservoirs are very similar to the sandstone reservoirs except that they have a lower average permeability of 83 millidarcys. Oolitic limestone reservoirs make up approximately 13 percent of the state total. These reservoirs are somewhat thinner and less porous (16 percent) but considerably more permeable (178 millidarcys) than the sandstone reservoirs.

These data make it possible to evaluate the susceptibility of the Illinois oil reservoirs to

the various types of oil recovery processes. Thermal processes have been most successful in reservoirs which contain low-gravity, high-viscosity crudes, but only a small percentage of the Illinois reservoirs fit this requirement.

Chemical processes in which fluid mobility is controlled should have the widest application for Illinois' future. This type of process is expensive to apply, however, because of high cost and large amounts of chemicals used. Based on permeability, porosity, thickness, and oil viscosity considerations, fine sandstone reservoirs in Illinois seem to be the most likely candidates for the application of these new recovery processes.

#### REFERENCES

- Armon, W. J., A. A. Coburn, R. F. Mast, and C. W. Sherman, 1964, Physical properties of Illinois crude oil—Part 1: Illinois Geol. Survey Ill. Pet. 78, 53 p.
- Armon, W. J., T. F. Lawry, and R. F. Mast, 1966, Physical properties of Illinois crude oil—Part 2: Illinois Geol. Survey Ill. Pet. 81, 44 p.
- Bergstrom, R. E., 1968, Disposal of wastes: scientific and administrative considerations: Illinois Geol. Survey Environ. Geol. Notes no. 20, 12 p.
- Bond, et al., (in preparation), Possible future petroleum provinces of the United States—Region 9 in AAPG Memoir 15.
- Buschbach, T. C., and D. C. Bond, 1967, Underground storage of natural gas in Illinois: Illinois Geol. Survey Ill. Pet. 86, 54 p.
- Howard, R. H., 1967, Oil and gas pay maps of Illinois: Illinois Geol. Survey Ill. Pet. 84, 64 p.
- Graf, D. L., and J. E. Lamar, 1950, Petrology of Fredonia Oolite in southern Illinois: Bull. AAPG, v. 34, no. 12, p. 2318-2335.
- Mast, R. F., 1969, An estimate of future crude oil production in Illinois: Illinois Geol. Survey Ill. Pet. 91, 14 p.
- Squires, F., and A. H. Bell, 1943, Water flooding of oil sands in Illinois: Illinois Geol. Survey R. I. 89, 101 p.
- Swann, D. H., 1964, Late Mississippian rhythmic sediments of Mississippi Valley: Bull. AAPG, v. 48, no. 5, p. 637-658.
- Van Den Berg, J., T. F. Lawry, and R. F. Mast, 1968, Petroleum industry in Illinois, 1967: Illinois Geol. Survey Ill. Pet. 89, 118 p.