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GROUND-WATER RESOURCES OF WEST-CENTRAL INDIANA

Preliminary Report: Vigo County

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GROUND-WATER RESOURCES OF WEST-CENTRAL INDIANA

Preliminary Report: Vigo County

By F. A. Watkins, Jr. and D. G. Jordan

ABSTRACT

Vigo County, in west-central Indiana, has an area of about 415 square miles. Consolidated rocks of Pennsylvanian age and unconsolidated rocks of Pleistocene age are the sources of ground water for domestic, stock, and industrial supplies and one municipal supply. Wells in rocks of Pennsylvanian age range from about 30 to 470 feet in depth and yields range from less than 1 to about 60 gpm, with some dry holes reported. Wells in sand and gravel of Pleistocene age range from about 15 to 175 feet in depth and yields range from less than 1 to about 2,700 gpm. Field chemical analyses of water from these sources show that the chemical quality differs greatly. Waters from aquifers of Pennsylvanian age have an average hardness of 170 ppm, average chloride content of 50 ppm, and an average sulfate content of 60 ppm. Waters from aquifers of Pleistocene age have an average hardness of 340 ppm, average chloride content of 30 ppm, and an average sulfate content of 95 ppm. Locally either the iron, sulfate, or chloride content will exceed the recommended standards of the U. S. Public Health Service (1946) for drinking water.

This preliminary report contains tabulated records of about 1,127 wells and other drilled holes giving information about well construction, water levels, conditions of occurrence and characteristics of the water-bearing material; selected logs for about 684 wells and other drilled holes giving the drillers' description of the material encountered and a tentative interpretation by the authors of the geologic age; records of 2 springs giving information about geologic source, yield and temperature of the water; results for 269 field chemical analyses of water from wells, 2 field chemical analyses of water from springs, and 24 field chemical analyses of water from streams, giving the hardness and the bicarbonate, chloride, iron, and sulfate content; and water levels in 6 observation wells indicating the magnitude of short and long-term water-level fluctuations in the consolidated and unconsolidated rocks. These basic data include much of the material to be used in an interpretive report on the ground-water resources and geology of the area.

A base map of Vigo County shows the location of all water wells, holes drilled for purposes other than water supply, springs, and stream sampling sites listed in this report. Additional maps show availability of ground water and generalized quality of water conditions with respect to hardness, and areas of high chloride and sulfate content.

INTRODUCTION

Purpose and Scope

An investigation of the ground-water resources and geology of nine counties in west-central Indiana has been conducted intermittently since 1950. In 1956 the investigation was placed on a full-time basis and another county was added to the area of study. This investigation is being made by the U. S. Geological Survey in cooperation with the Division of Water Resources, Indiana Department of Conservation, as a part of a broad program of these agencies to inventory and evaluate the ground-water resources of Indiana.

This report is the fourth of a series of preliminary reports to be published on the ground-water resources and geology of west-central Indiana. The purpose of this report is to make the basic data collected during the investigation available to the public and to provide a preliminary evaluation of the geology and ground-water conditions as an aid to the development of the ground-water resources. A more detailed and comprehensive analysis will be published in an interpretive report on the ground-water resources and geology of the area.

The investigation was made under the general direction of A. N. Sayre and P. E. LaMoreaux, successive chiefs of the Ground Water Branch of the U. S. Geological Survey, and under the immediate supervision of F. H. Klaer and C. M. Roberts, successive district geologists of the Ground Water Branch for Indiana.

Location and Areal Extent

Vigo County is located in the west-central portion of Indiana (Fig. 1). The county is roughly rectangular in shape and has an area of about 415 square miles. It is bounded on the north by Vermillion and Parke Counties, on the east by Clay County, on the south by Sullivan County, and on the west by the State of Illinois.

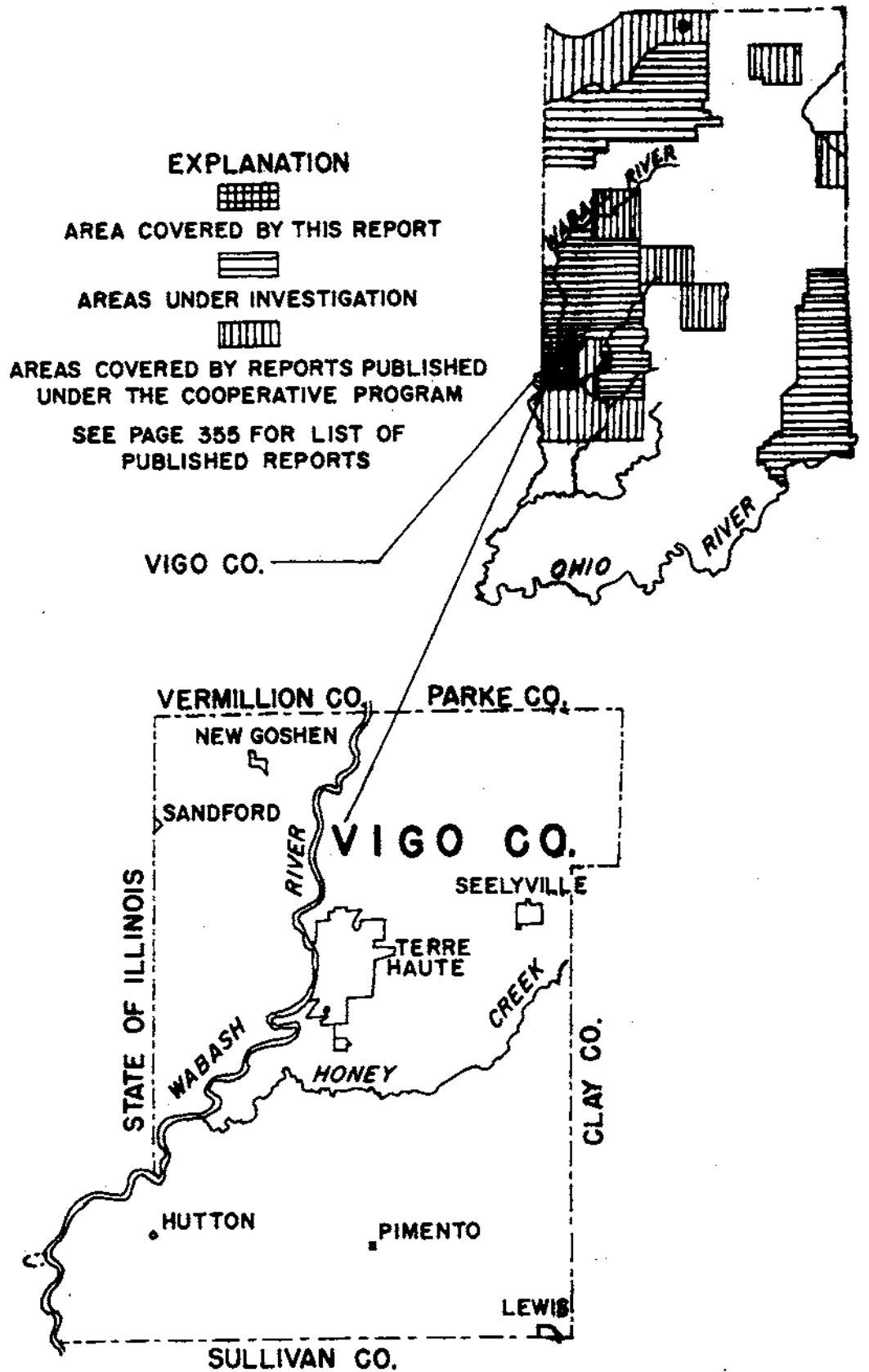


FIGURE 1.--Map of Indiana showing area covered by this report, areas under investigation, and areas covered by reports published under the cooperative program.

Well-numbering System

A numbering system is used to locate and identify the wells, holes drilled for purposes other than water supply, and springs in this report. The number assigned indicates the location according to the official rectangular survey of public lands. For example, in the number for well 12/9W-33M1, the part preceding the hyphen indicates that the well is in T. 12 N., R. 9 W. The first number after the hyphen indicates the section in which the well is located. Each quarter-quarter section (40-acre tract) within a section is given a letter symbol as shown on figure 2. Within the quarter-quarter section, wells are numbered serially. Therefore, well 12/9W-33M1 is the first well listed in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 12 N., R. 9 W.

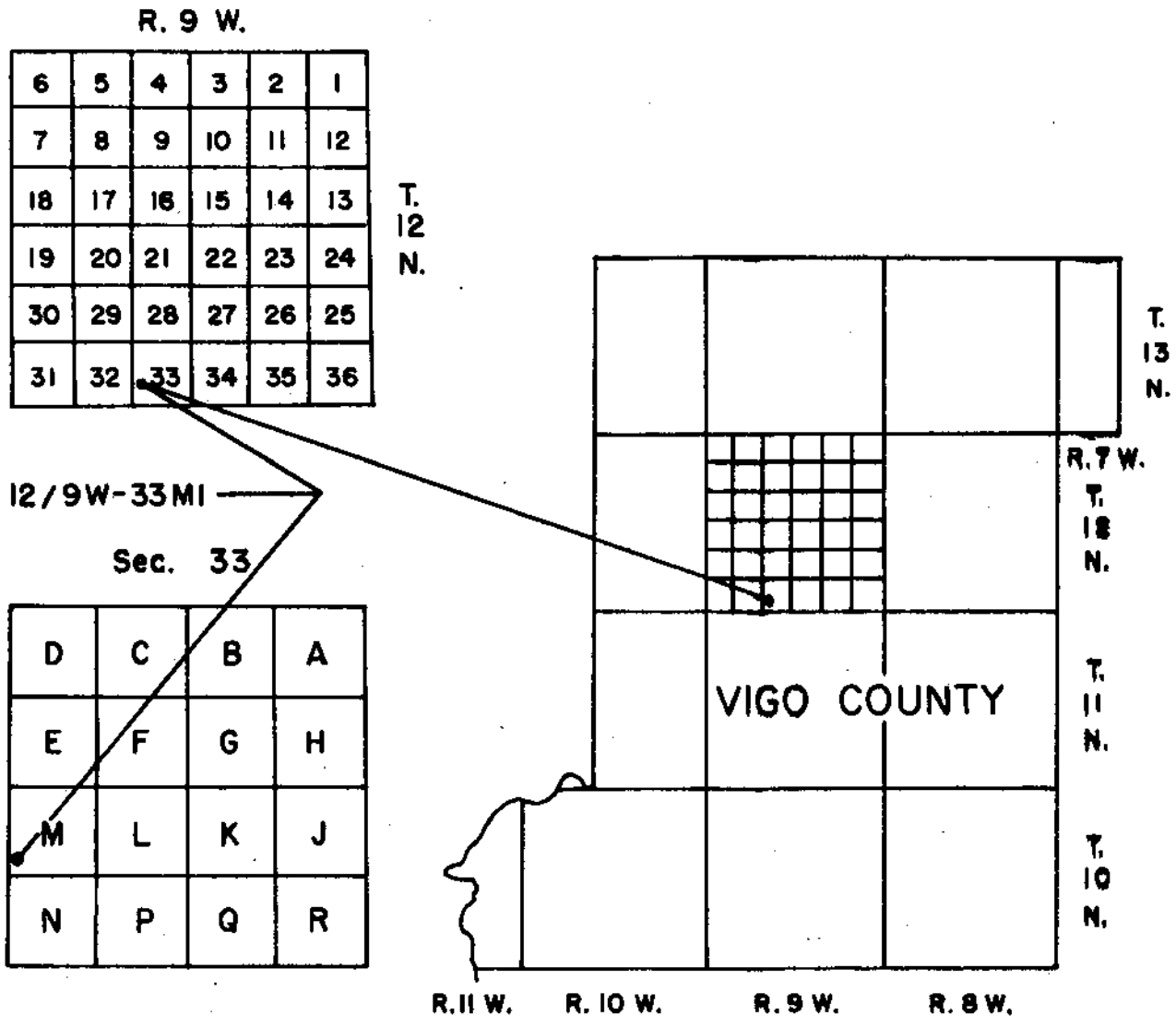


Figure 2.-- Sketch showing well-numbering system

Acknowledgments

The authors thank all persons who contributed time, information, and assistance during the collection, tabulation, and processing of data for this report. We especially thank the well drillers listed in the table of well records who furnished much of the information summarized in tables 2 and 3.

The authors also thank the following government agencies which provided information for the report: the Coal Section of the Geological Survey, the Division of Oil and Gas and Division of Water Resources, all of the Indiana Department of Conservation.

DATA COLLECTION AND PROCESSING

The well data were collected from drillers, water works superintendents, and others. The well records obtained from drillers were of two types--written records and reports from memory. A tentative driller's location of the well record was obtained at the time of collection and this was checked against the property records in the county courthouse to verify the location, to locate the property, and to obtain the name of the current property owner. Any discrepancy between the driller's location and the location shown in the plat book was corrected. The well location was then checked in the field and its location plotted on the appropriate U. S. Geological Survey 7½-minute topographic quadrangle map. The locations given on the records of test holes, oil or gas exploration holes, and wells from other reports were accepted without further verification.

Plate 1 shows the location of water wells, oil wells, test holes, drain holes, or holes drilled for purposes other than water supply, springs, and stream sampling sites. All locations are accurate to the nearest quarter-quarter section and most locations are shown to the nearest 10 acres or quarter-quarter-quarter section. The basic data for these wells and holes drilled for purposes other than water supply are summarized in table 2. Selected drillers' logs of wells and other drilled holes with tentative interpretations by the authors of the geologic age of the materials encountered are given in table 3. Basic data for the springs are summarized in table 5.

Samples of water were collected at the time the well and spring sites were visited and from the streams during a period of low flow. These water samples were analyzed in the field for alkalinity (expressed as bicarbonate) and chloride content and hardness of water by standard titration methods. Sulfate was determined by a turbidimetric method using a colorimeter when concentrations were below 100 ppm (parts per million) and by a standard titration method when concentrations exceeded 100 ppm. The total iron content was determined at the well site immediately after collection by the bipyridine method by comparison with standard color ampules having known iron concentrations. The results of the field chemical analyses (tables 4, 5, and 6) were used to select sites for collecting larger water samples for more comprehensive analyses by the U. S. Geological Survey.

During the investigation observation wells were established to measure the fluctuations of water-level. Table 7 contains water-level measurements obtained from these wells. The data from these observation wells show the effect of seasonal and longer term variations of the ground-water level. Three of the observation

DATA COLLECTION AND PROCESSING--CONTINUED

wells show the effect of pumping of nearby wells and four show fluctuations of water level caused by the Wabash River.

GENERAL GEOLOGY AND SOURCES OF GROUND WATER

The oldest consolidated rocks underlying Vigo County that are important as ground-water sources are of Early and Middle Pennsylvanian age. The rocks of Pennsylvanian age consist chiefly of sandstone, sandy shale, and shale. Limestone and coal make up a minor part of the rock units in this sequence. The limestone is of little economic importance but the coal deposits are of major economic importance.

Rocks of Pennsylvanian age crop out throughout the county. Sandstones are the principal source of ground water from the consolidated rocks and are extensively used for domestic and stock supplies, and a few small industrial supplies. Well depths range from about 30 to 470 feet with the average depth being about 155 feet. Yields from these wells range from less than 1 to about 60 gpm with some dry holes reported.

Very little water is obtained from rocks of Pennsylvanian age west of the Wabash River. Drillers' reports indicate that majority of wells drilled into rock there are either dry or yield salt water at depths of 200 feet or less.

Unconsolidated glacial deposits of Pleistocene age overlie the consolidated rocks of Pennsylvanian age. Along the Wabash River and some of its tributaries, large deposits of glaciofluvial sand and gravel were laid down during the time the Wabash valley was a major discharge channel for melt water from glaciers farther to the north. These deposits are an important source of ground water for domestic, stock, industrial, and irrigation supplies and are the source used for one public supply in the county. Well depths range from about 35 to 175 feet, the average depth being about 80 feet. Yields from these wells range from about 3 to 2,700 gpm. Properly constructed wells in these deposits will yield large quantities of water.

Glaciofluvial sand and gravel are associated with clayey and sandy-clay till in the northern half of the county and to a lesser extent in the southern half of the county. The sand and gravel were deposited as lenses or thin stringers on bedrock and overlain by till or interbedded with till. There is a close relationship between the pre-glacial bedrock channels and the sand and gravel deposits. In many areas these deposits are or with proper development could be additional sources of ground water for domestic, stock, and small industrial supplies, and locally for even larger supplies. In the pre-glacial upland areas the glacial deposits consist chiefly of a clayey to sandy-clay till and do not yield water freely.

Lake sediments are present in several small areas in southern Vigo County along the tributaries of the Wabash River and the Eel River. These sediments are deposited on bedrock or on glaciofluvial sand and gravel. These lacustrine deposits, consisting chiefly of silt and clay, do not yield water freely but in areas where interbedded sand and gravel lenses are present they may be potential sources for domestic and stock supplies.

Wells tapping the sand and gravel aquifers associated with till and lacustrine deposits range in depth from about 15 to 175 feet and have yields ranging from less than 1 to about 200 gpm. At the present time many of the wells drilled in these areas go through the sand and gravel deposits and are completed in the Pennsylvanian bedrock. An exception is the area west of the Wabash River where the majority of the successful water wells are completed in sand and gravel lenses and stringers associated with till.

Deposits of Recent age in Vigo County are mostly of flood-plain sediments and wind-blown sand. They are thin and are not important as sources of ground water.

Plate 2 shows availability of ground water in the consolidated and unconsolidated rocks underlying the county. Plate 3 shows the distribution of hardness of water in the consolidated and unconsolidated rocks and areas where the chloride or sulfate content exceeds the limits for these constituents as recommended by the U. S. Public Health Service for public supplies (1946).

The quality of water varies greatly in hardness and in chemical content in the aquifers of Pennsylvanian age and to a lesser extent in aquifers of Pleistocene age. The range of hardness, and of chloride and sulfate content of water from aquifers of Pennsylvanian and Pleistocene age are shown below.

Pennsylvanian

	Hardness ppm	Chloride ppm	Sulfate ppm
Maximum	920	1,120	855
Minimum	1	2	5
Average <u>1/</u>	165	50	60

Pleistocene

Maximum <u>2/</u>	890	665	785
Minimum	150	Near 0	10
Average	340	30	95

1/ Averages do not include those analyses with chloride content over 1,000 ppm, which were a small percentage of the total analyses.

2/ High hardness and high chloride and sulfate content of water due to contamination.

CONFINED AND UNCONFINED CONDITIONS

In Vigo County ground water occurs in the consolidated and unconsolidated rocks chiefly under confined (artesian) conditions, but in some places it occurs under unconfined (water-table) conditions. Under confined conditions, the saturated water-bearing material (aquifer) is overlain directly by relatively impervious material, and the water in the well bore, which is confined under pressure in the aquifers, will rise above the bottom of the impervious material. Under unconfined conditions, the water-bearing material (aquifer) is overlain directly by permeable unsaturated material and is in hydraulic continuity with the atmosphere, hence, the water does not rise above the level at which it is encountered. Thus, under confined conditions a fluctuation of water level represents a response to a pressure change in the aquifer, whereas, under unconfined conditions a fluctuation of water level actually represents a change in the amount of water in storage.

TYPES OF WELLS

Drilled wells are the principal type of water wells used in Vigo County. However, a number of driven and jettted wells are used for domestic and stock supplies. A small number of dug wells are still in use and occasionally one is constructed. A few wells have been drilled by the rotary or reverse-rotary methods. Most water wells are 6-inches or more in diameter and are constructed by the cable-tool or percussion method of drilling. A well drilled by the cable-tool method is constructed by a combination of drilling, bailing, and driving casing. When the water-bearing material is consolidated rock, the well casing generally is driven a few inches to several feet into rock, and the well finished as an open hole in rock. When the water-bearing material is sand and gravel, the well casing is driven into the water-bearing zone and either left as an open-end casing, or the lower end of the casing is slotted or perforated, or a well screen is set opposite the water-bearing zone below the end of the casing. A modification of the above type, the gravel-packed well, has a gravel lining between the well screen and the water-bearing material.

In Vigo County the majority of the industrial, air conditioning, and irrigation wells drilled in sand and gravel are equipped with wire-wound or shutter-type well screens--a few are finished with slotted or perforated casing. Most domestic and stock wells that have been made in sand and gravel do not use a screen but are finished with an open-end casing or the casing is slotted or perforated. The use of wire-wound, gauze-wrapped, or gauze washer well points or screens in domestic and stock wells is becoming more widespread and probably the majority of wells drilled in recent years have been finished with screens. Table 1 relates the grain-size in inches and millimeters to the slot and gauze size of screens commonly used in water wells.

The jettted well is constructed by forcing water under pressure out of a hollow-rod or small diameter drill pipe that is fitted with a jetting bit. As the material is washed out of the hole ahead of the casing, the casing is driven down the hole. After the water-bearing material is encountered the well is generally finished with a well-point screen set in the water-bearing material below the bottom of the casing.

Table 1.--Grain size and equivalent screen openings

Grain size: After Wentworth (1922).
 Equivalent screen openings: From
 commercial catalogs for water-
 well supplies.

Slot size: In thousandths (0.001) of
 an inch.
 Gauze size: Number of wire strands
 per lineal inch.

Material	Grain size		Equivalent screen opening	
	Inches	Millimeters	Slot size	Gauze size
Gravel-----	> 0.08	> 2	> 80	--
Very coarse sand--	.04 - .08	1 - 2	40 - 80	> 20
Coarse sand-----	.02 - .04	.50 - 1	20 - 40	40 - 20
Medium sand-----	.01 - .02	.25 - .50	10 - 20	60 - 40
Fine sand-----	.005 - .01	.125 - .25	6 - 10	90 - 60
Very fine sand----	.002 - .005	.062 - .125	-----	-----
Silt-----	.00015 - .002	.004 - .062	-----	-----
Clay-----	< .00015	< .004	-----	-----

In areas where the water level in the unconsolidated material is close to the surface some water wells are constructed by driving or digging. The driven well consists of a small diameter pipe with a drive point screen on the end which is driven into shallow water-bearing material. The dug well is constructed by digging a hole, usually about three feet in diameter into the upper part of the water-bearing material and using concrete pipe, tile, brick, or stone as a casing.

The oil or gas exploration holes, test holes, drain holes, and holes drilled for purposes other than water supply are drilled by either the cable-tool or rotary method in Vigo County.

SUMMARY

Preliminary evaluation of the basic data shows that adequate quantities of ground water are generally available for domestic and stock use, and in some places for small industrial and small public supplies from the rocks of Pennsylvanian age. In the sand and gravel of Pleistocene age, along the Wabash River, ground water is available in adequate quantities for domestic and stock use and locally for industrial, irrigation, and public supplies. These sand and gravel deposits are the source of all large-yield wells in Vigo County. Another source of domestic and stock supplies and possibly small industrial supplies are the sand and gravel deposits interbedded with and overlain by till in the preglacial bedrock channels. There may be interbedded sand and gravel in the lake sediments that might yield ground water in adequate quantities for domestic and stock supplies.

The quality of the water from the rocks of Pennsylvanian and Pleistocene ages varies greatly. Locally water from these sources exceeds the U. S. Public Health Service (1946) drinking-water standards for either iron, chloride or sulfate content.

RECORDS

The records of about 1,127 water wells and holes drilled for purposes other than water supply are given in table 2. The table gives information about well construction, water levels, yields, and drawdowns, thickness and characteristics of the water-bearing material, conditions of occurrence, use, and other pertinent data. The altitude of the land surface at all wells, except oil or gas exploration holes, was determined from topographic maps. Altitudes of oil or gas exploration holes were on the records when received and were checked against the topographic maps.

Table 3 contains the selected logs of about 684 wells and other drilled holes. This table gives the drillers' description of the material encountered, pertinent remarks with regard to the material, and tentative interpretation by the authors of the geologic age of the material. The logs contain local terms used by drillers in describing the material penetrated. A glossary of drillers' terms is on page 11.

The results of 269 analyses of well waters are given in table 4. These chemical analyses were determined in the field by the U. S. Geological Survey. This table gives information about geologic source, temperature, concentration in ppm (parts per million) of iron, alkalinity (expressed as bicarbonate), sulfate, chloride, and hardness of water. The U. S. Public Health Service (1946) drinking-water standards state that the chemical constituents should not exceed the following concentrations: iron and manganese (together), 0.3 ppm; sulfate, 250 ppm; chloride, 250 ppm. No standards have been established for hardness of water; however, the following classification is generally used: 0-60 ppm, soft; 61-120 ppm, moderately hard; 121-200 ppm, hard; more than 200 ppm, very hard. Water having a hardness of more than 200 ppm requires softening for many purposes.

The records of 2 springs are given in table 5. This table gives information about geologic sources, yield, use, temperature of water, and the results of field chemical analyses.

Table 6 gives the results of 24 field chemical analyses of water from streams in Vigo County with other data.

Water levels in 6 observation wells in Vigo County are given in Table 7. The water levels in four of these wells were obtained by recording gages and in the other two wells by measurements made with an engineer's steel tape. Daily high water levels are given for observation wells equipped with recording gages and periodic water levels are given for the observation wells which were measured manually. The locations of these observation wells are shown on plate 1.

GLOSSARY OF DRILLERS' TERMS

- Bone coal.--Black, carbonaceous shale or a clayey or shaly coal.
- Boots.--Any material, usually a shale which when drilled adheres to the bit and stem of the drilling tools.
- Bottoms.--Underclay or fire clay generally found beneath a coal; the bottom or floor of a mine entry.
- Chip slate.--Very hard shale which breaks into small thin, angular pieces.
- Concretion.--Nodules of various shapes and sizes composed of clay and iron stone or iron pyrite.
- Drift.--Any rock material, such as boulders, till, gravel, sand, or clay, transported by a glacier and deposited by or from the ice or by or in water derived from the melting of the ice.
- Gumbo.--Sticky clay.
- Hardpan.--A hard impervious layer, composed chiefly of clay, cemented by relative insoluble materials, does not become plastic when mixed with water.
- Jack.--Black, carbonaceous shale or a clayey or shaly coal.
- Pan.--Clay of glacial origin generally contains small pebbles and occasional boulders.
- Pasty.--Smooth, sticky, when used with a rock term.
- Rash.--Coal mixed with clay, slate, or other foreign substance.
- Red rock.--Red, soft to hard, sometimes sandy shale.
- Shell.--Thin and usually hard layer or rock.
- Shelly.--See shell; rock which splits in thin pieces parallel with the bedding surface; a fossiliferous rock.
- Slate.--Hard shale which splits into thin platy fragments, usually black in color.
- Smut.--Soft coal, containing much earthy matter.
- Soapstone.--Hard, smooth, clay or shale, slippery to the touch.
- Softpan.--Hard impervious layer, composed chiefly of clay, partially cemented by relative insoluble materials, becomes plastic when mixed with water.
- Steel band.--Reportedly a hard brown dolomitic fresh-water limestone. May also be used in place of the term iron band, which is generally applied to a black or brown, hard silicate or iron carbonate rock which occurs as a zone of concretions from pebble to boulder size or in thin beds.
- Sulfur.--Thin band or layer of pyrite in a coal seam.
- Wash.--Water laid glacial material consisting of sand, silt, and clay with a high percentage of twigs, leaves, and other organic material.

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Table 2.--Records of wells, Vigo County, Indiana

Well number: See text for description of well-numbering system.
 Altitude: Altitude of land-surface datum from topographic map.
 Type of well: Dr, drilled; Dd, dug; J, jetted.
 Finish: Gp, gravel pack; Oe, open end; Oh, open hole; P, perforated casing; S, screen.
 Material: C, coal; F, fine clay; G, gravel; Ls, limestone; S, sand; Sd-ls, sandy limestone; Sd-sh, sandy shale; Sd-sl, sandy silt; Sh, shale; Ss, sandstone; T, till.
 Geologic age: Pl, Pleistocene; P, Pennsylvanian; D, Devonian.
 Ground-water occurrence: C, confined (artesian); U, unconfined (water table).
 Water level: In feet below land-surface datum on date of completion of well, except as noted in remarks. F, flowing well.
 Use: A, air conditioning; D, domestic; De, destroyed; Dh, drain hole drilled into mine opening; I, industrial; Ir, irrigation; N, not used; O, observation; Og, oil or gas; P, public supply; S, stock; T, test.
 Remarks: A, field chemical analysis in Table 4; E, electric log on file; L, log in Table 3; La, log on file; Lam, log from memory on file; Lm, log from memory in Table 3; S, sample study in Table 3; W, water level measurements in Table 7; Dd, drawdown; Gpm, gallons per minute.

Well No.	Owner	Driller	Date completed	Altitude (feet)	Type of well	Depth of well below land-surface (feet)	Diameter (inches)	Depth of casing (feet)	Flash	Water-bearing zone				Yield (gpm)	Use	Remarks	
										Depth to top (feet)	Thickness (feet)	Material	Geologic age				Ground-water occurrence
10/8W-1C1	C. Fisher	B. Ringo	7-10-57	580	Dr	177	6 1/2	87	Oh	120	57	Ss	P	C	35	D	L, A; Dd 65 ft pumping at 13 gpm
2K1	C. Fox	H. Ellis	11-30-53	560	Dr	194	6	100	Oh	141	46	Ss	P	C	17	D	L; Dd 73 ft pumping at 20 gpm
2N1	W. C. Unger	Spaunhower & Sons	2-57	570	Dr	200	6	140	Oh	155	45	Ss	P	C	50	D	L
3C1	E. Legston	L. Adkins	6-48	580	Dr	170	6	125	Oh	120	50	Ss	P	C	15	D	D, S
3H1	G. Jones	H. Ellis	-----	555	Dr	115	6	62	Oh	61.5	47.5	Ss	P	C	7	D, S	L
4A1	W. A. Ashley	Spaunhower & Sons	8-55	600	Dr	155	6	84	Oh	105	50	Ss	P	C	67	D	L
4D1	G. Cesinger	H. Ellis	11- 9-53	600	Dr	200	6	78	Oh	102	98	Ss	P	C	63	D	L
4F1	O. Wilson	M. Biecard	-----	600	Dr	254	8	95	Oh	179	74	Ss	P	C	68	D	L, A
4J1	E. A. Brinton	-----do-----	-----	595	Dr	220	10	20	Oh	180	40	Ss	P	C	55	D	L, A
4M1	G. Gibson	-----do-----	-----	600	Dr	246	10	89	Oh	107	43	Ss	P	C	65	D	La
4M2	-----do-----	H. Ellis	-----	600	Dr	276	8	107	Oh	174	72	Ss	P	C	78	D	L, A
4N1	P. Armstrong	M. Biecard	-----	600	Dr	185	8	20	Oh	127.5	47.5	Ss	P	C	70	D, S	L, A
5A1	G. Fredericks	H. Ellis	-----	590	Dr	200	10	128	Oh	121	77	Ss	P	C	60	D	La; cement plug set 197 - 200
5B1	C. Orman	-----do-----	8-17-54	590	Dr	301	6	122	Oh	253	48	Ss	P	C	72	D, S	L, A; Dd 78 ft bailing at 15 gpm
5M1	P. Thompson	R. C. Page	2-58	585	Dr	293	6	203	Oh	38	33	Sh	P	C	60	D	La (partial)
5M2	H. Kirts	V. Eaton	6- 1-56	580	Dr	98	6	52	P, Oh	246	30	Ss	P	C	14	D	L, A
5P1	W. Burdette	L. Adkins	11-15-45	595	Dr	285	6	155	Oh	246	30	Ss	P	C	40	D	L, A (partial), A
6D1	D. Beile	R. C. Page	11-25-57	560	Dr	276	6	162	Oh	-----	-----	-----	P	C	7	D	Lam
6F1	W. Schomer	L. Schell	-----	570	Dr	105	8	31	Oh	-----	-----	-----	P	C	30	D	L
6M1	C. Paub	R. C. Page	1-58	570	Dr	306	8	146	Oh	-----	-----	-----	P	C	57	D	L
6R1	R. Lehar	H. Ellis	8- 1-54	590	Dr	336	5	270	P, Oh	-----	-----	-----	P	C	138	D	L
7F1	R. Genung	H. R. Knox	10-43	575	Dr	151	6	36	Oh	116	3	C	P	C	50	D	L
7G1	G. Parker	R. C. Page	8-58	575	Dr	250	8	47	P	129	7	Ls, Ss	P	C	90	D, S	L, A
8P1	A. Baker	-----do-----	2-16-57	510	Dr	1,216	5	250	-----	-----	-----	-----	P	-----	-----	Og	L
8Q1	L. Singhurst	H. R. Knox	9-44	505	Dr	234	7	40	Oh	224	24	Ss	P	-----	-----	D, S	L, A
9B1	W. French	H. Ellis	8-25-46	580	Dr	224	8	100	Oh	187	18	Ss	P	C	58	D	L, A
9P1	P. Singhurst	L. Adkins	-----	591	Dr	214	6	150	Oh	130	81	Ss	P	-----	-----	D, S	L, A
10B1	G. Ray	H. Ellis	10- 2-50	580	Dr	150	8	23	Oh	92	48	Ss	P	-----	-----	D, S	L, A
10C1	S. Lemmons	M. Biecard	-----	570	Dr	150	7	92	Oh	101	39	Ss	P	C	42	D, S	L, A
10G2	E. Selvia	-----do-----	-----	575	Dr	150	7	85	Oh	85	55	Ss	P	C	42	D, S	L, A
10E1	Maume Collieries Co.	H. Ellis	10-54	570	Dr	150	6	95	Oh	95	41	Ss	P	C	46	I	L, A
11J1	Dr. McIntosh	-----do-----	11-19-54	550	Dr	160	6	120	Oh	120	26	Ss	P	C	15	D, S	L
12H1	V. Cesinger	L. Adkins	4-16-42	550	Dr	43	-----	42	Oh	41.5	1.5	S	P1	-----	-----	D, S	L

Table 2.---Records of wells, Vigo County, Indiana---Continued

Well No.	Owner	Driller	Date completed	Altitude (feet)	Type of well	Depth of well below land-surface (feet)	Diameter (inches)	Depth of casing (feet)	Finish	Water-bearing zone					Water level (feet)	Yield (gpm)	Remarks
										Depth to top (feet)	Thickness (feet)	Material	Geologic age	Ground-water occurrence			
10/9N-14Q2	Mr. Ogborn	H. R. Knox	9-23-54	600	Dr	130	7	40	Oh	102	20	Ss				L	
13F1	R. P. Nottter	do	11-21-52	560	Dr	105	7	31	Oh	60	25	Ss				D, S	
13J1	R. Quist	do	5-54	580	Dr	86	7	---	Oh	42	36	Ss				L, A	
13J2	V. Sparks	S. L. Howell	9-25-54	580	Dr	51	6	18	Oh	20	2.5	La, A				La, A	
13J3	do	H. R. Knox	9-25-54	580	Dr	71	7	27	Oh	42	26	Ss				N	
15J4	T. French	do	6-30-51	580	Dr	75	8	28	Oh	35	13	Ss				La, A	
15K1	H. Kriescher	do	1-46	565	Dr	105	8	43	Oh	55	12	Ss				L, A	
16C1	M. E. Paddock	L. Adkins	---	540	Dr	155	---	---	Oh	75	34	Ss				D, S	
16E1	L. R. Randolph	H. R. Knox	4-44	540	Dr	150	6	35	Oh	124	6	Ss				L	
17J1	G. and E. Moore	do	8-46	540	Dr	150	8	43(?)	Oh	60	14	Ss				D, S	
17N1	G. Ward	do	8-48	540	Dr	148	7	40	Oh	92	22	Ss				L	
18P1	G. Wadsworth	V. Eaton	7-20-53	540	Dr	55	6	55	P	---	---	S				L, A	
20D1	R. Butts	E. Benson	---	540	Dr	104	---	---	---	---	---	Sd-sh				L, A	
20J1	E. Owen	H. R. Knox	10-45	565	Dr	110	8	46	Oh	56	4	Sd-sh				D, S	
21A1	H. Boyll	do	8-24-44	565	Dr	175	8	46	Oh, P	72	19	Ss				L	
21L1	K. Hayhurst	V. Hayden	---	590	Dr	150	8	40	P	131	4	C				D, S	
21N1	R. Wagner	H. R. Knox	7-17-52	565	Dr	127	7	52	Oh	103	44	Ss				L	
21Q1	Mr. Fidler	do	9-24-52	565	Dr	125	6	40	Oh	52	21	Sd-sh				L	
22E1	K. Payne	do	9-12-52	560	Dr	65	7	50	Oh	52	27	Ss				L	
22E2	M. Boyll	do	1-20-54	565	Dr	70	6	53	Oh	82	30	Ss				D, S	
22M1	C. Zirkle	do	1-46	530	Dr	93	8	53	Oh	53	7	Ss				La	
23J1	W. Gard	do	9-52	610	Dr	130	7	21	Oh	52	30	Ss				L, A	
23M1	C. A. Swanagan	do	10-46	580	Dr	147	10	24	Oh	88	29	Ss				L	
24M1	R. Payton	do	8-24-53	580	Dr	88	7	22	Oh	60	35	Ss				L	
25N1	W. Moore	J. Straker	6-29-48	585	Dr	2,200	---	---	Oh	122	22	Ss				L	
26E1	H. Bowles	V. Hayden	---	600	Dr	1,106	7	40	Oh	77	11	Sd-sh				L, A	
26C1	R. L. Morgan	H. R. Knox	4-44	595	Dr	133	6	37	Oh	65	5	Ss				L	
26D1	J. Samanaka	L. Adkins	5-16-46	580	Dr	476	6	198	Oh	102	2	C				L	
26E1	G. and E. Brown	do	1-4-60	590	Dr	2,175	---	---	Oh	425	45	Ss				L, A	
26J1	D. E. French	H. R. Knox	10-9-52	580	Dr	1,100	7	32	Oh	63	3	C				L, A	
26J2	E. French	J. T. Pierson & R. Yaw	6-1-37	584	Dr	1,420	---	---	---	73	4	La				C, O, Ring & G. Hoffmeister 1;	
26N1	Indiana State Highway Department	L. Schell	1958	580	Dr	93	6	88	Oh, P	50	15	Ss				L, A	
26P1	R. Wood	H. R. Knox	9-43	570	Dr	80	6	42	Oh	88	5	Ss				L	
26Q1	K. Lutz	do	6-18-48	565	Dr	95	7	31	Oh	62	18	Ss, La				D, S	
28E1	G. Clouse	do	3-20-54	560	Dr	138	6	138	P	33	41	Sh, C				L, A	

10/9W-28H1	C. Sparks	V. Hayden	560	Dr	110	8	53	P	85	21	Sd-sh	P	---	---	---	D,S	L, A
29A1	L. V. Watson	-----do-----	560	Dr	65	7	110									S	La (partial), A
30R1	W. Zimmerman	L. Adkins	7-26-26	Dr	285	6	76	Oh								D,S	L
31P1	H. S. Ring and D. C. Hull	-----do-----	4-23-56	Dr	1,268											Og	C. B. Mansfield 1 community; L (partial)
32P1	Mr. Rankle	U. & E. Drilling Co.	1-3-56	Dr	1,386	6	42	P, Oh	148	40	Ss					Og	C. B. Mansfield 1; L (partial)
32M1	W. Lloyd	H. R. Knox	2-17-53	Dr	232	8	114		201	29	Ss					D,S	L
32N1	L. Forbes	-----do-----	8-47	Dr	185	8	42	Oh	142	28	Ss					D,S	L, A
33A1	W. Pounds	-----do-----	9-20-52	Dr	120	6	40	Oh	100	10	Ss					D,S	L, A
33B1	R. Vangilder	-----do-----	8-46	Dr	135	7	71	Oh	120	11	Ss					D,S	L, A
33C2	F. Vangilder	F. Hayden	-----do-----	Dr	113	7	23									T	La
33F1	L. Hunt	S. L. Howell	10-6-59	Dr	160	6	45	Oh								N	La
33H1	O. French	V. Hayden	-----do-----	Dr	65	8	65	P	26	39	S					S	La
33L1	W. Bovenschulte	H. R. Knox	1-46	Dr	223	8	30	Oh	90	23	Ss					D,S	L, A
34E1	P. Monko	-----do-----	6-14-54	Dr	89	10	25	Oh	135	9	Ss					D	L, A
34N1	B. Cronwell	-----do-----	10-8-53	Dr	111	7	29	Oh	27	33	Ss					D	L, A
34M2	P. Fidler	V. Hayden	-----do-----	Dr	61	8	61	P	32	8	S, G					D,S	L, A
34E1	E. Gallington	H. R. Knox	6-10-50	Dr	130	7	48	Oh	102	28	Ss					D	L, A
34E2	D. Hayworth	-----do-----	2-11-48	Dr	138	8	50	Oh	95	37	Ss					D	L
35M1	J. Turner	-----do-----	8-47	Dr	106	8	42	Oh	112	15	Ss					D	L
36B1	E. Moore	-----do-----	10-45	Dr	50	5	45	Oh	40	40	Ss					D,S	L
36M1	T. McDonald	-----do-----	6-22-50	Dr	117	7	40	Oh	48	7	S, G					D,S	L
10/10W-1M1	R. Harkness	Sutherland Bros.	12-2-47	Dr	136	10	25	Oh	98	6	Sd-ls					D	L
1M2	J. Harkness	-----do-----	11-24-47	Dr	68	5	60	Oh	65	3	G					D	L
2E1	G. R. Capp	V. Hayden	11-6-59	Dr	97	7	26	P	60	37	Ss					D	L, A
2P1	W. McKeen	R. Benson	1949	Dr	215	7	127	Oh	107	3	C					D	L
3A1	K. A. Werneke	H. R. Knox	3-44	Dr	160	6	45		127	2	Ls					D,S	L
3B1	S. E. Allard	M & E Drilling Co.	1-28-57	Dr	1,260											Og	C. S. Cooksey 1; La
3N1	P. Farmer	V. Hayden	4-48	Dr	65	7	60	P, Oh	30	5	C					D,S	L, A
4G1	E. Crim	Sutherland Bros.	1-13-48	Dr	39	6	39	P	12	27	S, G					D	L
4L1	T. Ferguson	-----do-----	7-18-51	Dr	55	6	55	Oe	30	25	S, G					D,S	L
8G1	P. O. Veach	Kuykendall Drilling Co.	9-15-33	Dr	1,020											Og	H. N. Gray 1; La
8Q1	R. Wilson	-----do-----	3-35	Dr	2,315											Og	Pierson and others 1;
9M1	J. E. Dent	-----do-----	11-15-53	Dr	227											Og	L (partial)
9Q1	N. M. Turner	-----do-----	5-25-39	Dr	2,129											Og	Dome Gas Co. 1; L
9R1	Mr. Laybold	V. Hayden	1947	Dr	2,146											Og	W. Wyman 1; La
10M1	O. Harlan	-----do-----	6-16-50	Dr	2,173	6	31	P	27	30	Sh					Og	Full & Kersey 1; La
11P1	Mabash Western Riders, Inc.	-----do-----	5-25-39	Dr	57	7	57									N	La; water level 15.4 ft 8-13-59
11J1	B. Meyer	H. R. Knox	6-16-50	Dr	226	5	38	P	181	36	Ss					N	La
12A1	Buckeye Pipe Line Co.	V. Hayden	12-23-33	Dr	40	8	40	Oe								D	La, A
16E1	C. Wilson	-----do-----	11-28-55	Dr	2,135											Og	Siosi Co. 1; La
16F1	L. K. Wilson	Carter Oil Co.	8-19-37	Dr	1,040				74	6	Ls					Og	Pierson, Yeager and others 1;
16P1	M. S. Evans	-----do-----	5-10-49	Dr	2,181											Og	L (partial)
17H1	J. C. Johnson	-----do-----	10-33	Dr	2,190				126	47	Ss					Og	H. L. Behm 1; L (partial)
20A1	E. Strwalt, heirs	-----do-----	9-8-51	Dr	400											Og	Carter Oil Co. 1; L (partial)
21A1	D. Strwalt	-----do-----	6-30-47	Dr	351											Og	E. Zink 1; La
21R1	C. Clester	L. Schell	4-6-52	Dr	970				368	72	Ss					Og	Pierson, Yeager and others 1; L
22L1	Haramb-Harris	-----do-----	7-55	Dr	1,422	4	101	P	120	6	S, G					Og	C. Sutherland 1; L (partial)
24E1	R. Hall	V. Hayden	2-9-60	Dr	1,458				92							Og	F. B. Cline 1; La
25A1	W. G. Wilson	A. W. Pieg	7-14-54	Dr	81	8	22	Oh								Og	L (partial)
27N1	E. W. Dayhoff	H. R. Knox	10-20-52	Dr	203	4	203	P	155	47	Ss					D,S	L, A
28H1	L. Reed	-----do-----	6-10-41	Dr	198	6	42	Oh								Og	F. B. Cline 1; L (partial)
29H1	E. Strain	Ringo & Son	11-10-28	Dr	1,405											Og	L
31A1	W. Riggs	Karnes & Shafer	-----do-----	Dr	2,203											Og	Siosi Oil Corp. 6; La
31G1	-----do-----	-----do-----	11-10-28	Dr	2,192											Og	Siosi Oil Corp. 7; La
31H1	-----do-----	-----do-----	4-40	Dr	2,191											Og	Siosi Oil Corp. 9; La

Table 2. --Records of wells, Vigo County, Indiana--Continued

Well No.	Owner	Driller	Date completed	Altitude (feet)	Type of well	Depth of well below land-surface (feet)	Diameter (inches)	Depth of casing (feet)	Finish	Depth to top (feet)	Water-bearing zone				Water level (feet)	Yield (gpm)	Use	Remarks
											Thickness (feet)	Material	Geologic age	Ground-water occurrence				
11/8W-21W1	J. P. Jefferies and others	C. Clommens	8-14-55	572	Dr	949				62	4	Ss	P			Og	V. K. Michael 1; La	
21R1	Spencer heirs		5-39	580	Dr	1,802				86	7	Ss	P					
22A1	N. Hooper	Ringo & Son	5-94	580	Dr	178	6	101	Oh	152	21	Ss	P					
22D1	R. K. Sankey	L. Adkins	6-28-48	585	Dr	89				140	8	Ss	P					
22D2	J. Meadows	do	5-3-46	560	Dr	150	6	64	Oh	183	15	Ss	P					
22N1	T. Sankey	do	9-7-43	590	Dr	200	6	65	Oh	183	15	Ss	P					
23A1	Oak Hill Cemetery	do	1924	595	Dr	132	8	45	Oh	130	22	Ss	P					
23A2	Oak Hill Church	R. C. Page	9-58	595	Dr	185	7	141	Oh	141	37	Ss	P					
23B1	J. P. Jefferies	L. Adkins	6-3-41	605	Dr	214	6	48	Oh	155	49	Ss	P					
24C1	E. J. Shepard	Ringo & Son	6-54	615	Dr	90	6	24	Oh	40	30	Ss	P					
24R1	J. Morris	M. O. Schrader	5-9-56	600	Dr	150	6	83	Oh	83	65	Ss	P					
25C1	J. Maillet	Spainhower & Sons	4-59	590	Dr	109	6	60	Oh	60	21	Ss	P					
25H1	R. Fretz	L. Adkins	9-28-53	590	Dr	140	6	80	Oh	122	18.5	Ss	P					
26R1	V. Thompson	do	8-7-40	590	Dr	160				37	123	Ss	P					
26R1	B. Miller	do	1944	585	Dr	163	6	69	Oh	120	43	Ss	P					
27A1	C. S. Reynolds	do	9-40	570	Dr	150	5	84	Oh	96	6	Ss	P					
27B1	Dr. Ray	do	8-22-42	590	Dr	102												
27H1	C. S. Reynolds	do	5-19-41	570	Dr	58												
28K1	R. Aten	M. Bicard		595	Dr	210	6	170	Oh	169	8	Ss	P					
28L1	R. Duffy	H. Ellis	7-27-54	590	Dr	240	6	198	Oh	188	20	Ss	P					
28P1	P. Lee	M. Bicard	5-8-53	590	Dr	221	6	107	Oh	163	9	Ss	P					
29Q1	B. Schepker	do	580		Dr	210	6	125	Oh	185	25	Ss	P					
29L1	O. L. Pickens	J. D. Dunbar	6-16-49	555	Dr	2,019				49	21	Sd-sh	P				The Ohio Oil Co. 1; La	
30F1	G. Rost	Spainhower & Sons	11-3-59	555	Dr	1,032				205	111	Ss	P					
30R1	Mauce Collieries Co.	L. Adkins	2-45	565	Dr	180	6	96	Oh	145	35	Ss	P				R. G. Lowry 2; La	
31C1	Mauce Collieries Co.	H. Ellis	12-29-57	551	Dr	1,936												
31F1	Sycamore Girl Scout Council, Inc.	do	5-16-54	550	Dr	198	6	97	Oh	167	27	Ss	P				R. G. Lowry 3; La	
31Q1	R. Jacobs	Ringo & Son	7-54	565	Dr	80	6	52	Oh	127	10	Ss	P					
31R1	E. A. Brinton	H. Ellis		570	Dr	185	6	116	Oh	153	32	Ss	P					
31R2	P. Clinger	R. C. Page	10-58	570	Dr	215	7	160	Oh	159	21	Ss	P					
32B1	C. Hamblin	H. Ellis	12-22-53	560	Dr	210	7	124	Oh	222	49	Ss	P					
32F1	A. Helton	do		610	Dr	185	8	200	Oh	168.5	30.5	Ss	P					
32H1	Mauce Collieries Co.	M. Bicard		570	Dr	178	6	109	Oh	135	46	Ss	P					
32N1	W. Underhill	Ringo & Son	8-19-55	570	Dr	203	8	95	Oh	189	66	Ss	P					
33F1	Mauce Collieries Co.	M. Bicard		610	Dr	1,900												
33J1	B. Beard	do		575	Dr													
34C1	W. McIntosh	L. Adkins	9-3-45	585	Dr	235	8	300	Oh	191	44	Ss	P					
34D1	C. Bressett	do	6-15-46	590	Dr	225	6	127	Oh	173	52	Ss	P					
34M1	H. Van Leer	M. Bicard		570	Dr	217	6	136	Oh	164	46	Ss	P					
35B1	S. Green	do	4-10-58	585	Dr	1,725				12	11	S	P1				Echo Oil Co. 1; La	
35H1	do	do	3-21-56	566	Dr	685				110	65	Ss	P				H. L. Schm 1; La	
35L1	do	do	9-53	572	Dr	1,720				121	64	Ss	P				P. B. Cline 1; La	
35Q1	J. Unger	L. Adkins	1942	550	Dr	170	6	56	Oh	140	28	Ss	P					
35R1	E. Weddle	H. Ellis		560	Dr	240	6	62	Oh	60.5	14.5	Ss	P					

ID	Name	Company	Date	Dr	122	S	81	41	S,G	PI	U	38	30	D	Notes	
11/99-141	L. Walhoit	L. Adkins	12-9-44	555	6	122	81	41	S,G	PI	U	38	30	D	L; screen, 6 ft of 6 in dia	
142	H. S. Kuhns	do	11-96-48	580	6	36	81	3	S,G	PI	U	30	D	La		
143	H. R. Knox	H. R. Knox	7-46	565	9	81	81	3	S,G	PI	U	30	D	La		
144	R. Beckwith	do	2-8-47	540	7	105	100	5	S,G	PI	U	30	D	La		
145	V. Eaton	V. Adkins	4-30-55	550	6	80	73	7	S,G	PI	U	30	D	La	L, A	
146	D. Rice	L. Scheil	8-5-59	550	4	112	112	3	S,G	PI	U	30	D	La	La, Dd 15 ft pumping at 30 gpm	
147	J. Martin	L. Scheil	8-5-59	550	4	112	112	3	S,G	PI	U	30	D	La	Lam, A	
148	J. Sains	McDaniel & Sons	10-14-57	565	6	45	77	8	S,G	PI	U	30	D	La		
149	Tri-K Mining Co.	L. Adkins	10-17-57	560	6	45	37	3	S,G	PI	U	30	D	La	L; mine water discharge hole	
150	H. Stoffers	Ringo & Son	12-11-56	500	10	37	37	3	S,G	PI	U	30	D	La	L; "dry hole"	
151	do	L. Adkins	2-20-48	560	6	86	90	3	S,G	PI	U	30	D	La		
152	do	do	9-16-47	550	7	86	73	7	S,G	PI	U	30	D	La		
153	do	do	12-1-57	555	6	56	56	2	S	PI	U	30	D	La		
154	L. and M. Turner	V. Eaton	8-15-56	555	6	56	56	2	S	PI	U	30	D	La	H. J. Adams 1; L (partial)	
155	W. Richey	do	1957	555	6	55	21	2	S,G	PI	U	30	D	La		
156	do	do	4-8-58	555	6	55	21	2	S,G	PI	U	30	D	La		
157	do	do	5-14-58	500	8	60	28	1	S,G	PI	U	30	D	La		
158	Tri-K Mining Co.	Ringo & Son	10-21-46	500	8	60	42	P(?)	P						L; mine water discharge hole	
159	Tri-K Mining Co.	L. Adkins	1957	495	5	29										
160	do	do	3-26-60	520	10	40										La; mine water discharge hole
161	do	do	1-5-55	503	6	118									Do	
162	Harab and Grizzle	Dillier & Knierin	1914	490	8	75	270	55	S,S	P	U	10	250	I	H. J. Adams 1; La	
163	J. W. Davis Co.	Prox & Burget	7-28-48	490	12	72	20	52	S,G	PI	U	10	400	I	L, A	
164	do	Sutherland Bros.	1925	490	6	75	10	65	S,G	PI	U	10	400	I	L	
165	do	Prox & Burget	6-2-48	500	6	58	16	64	S,G	PI	U	16		I	L	
166	J. Eaton	L. Adkins	1950	550	8	80			S,G	PI	U	16		I	L	
167	Tullips, Inc.	do	1940	500	8	96			S,G	PI	U	18		I	L	
168	N. Kautz	Smith Bros.	7-27-59	490	2	60	18	42	S,G	PI	U	18		I	L	A; Screen, 3 ft of 1 1/2-in well point
169	J. Steward	McDaniel & Sons	10-10-59	485	2 1/2	55	32	23	S,G	PI	U	32	6	D	A; Screen, 3 ft of 1 1/2-in dia, 50 slot	
170	R. Smith	F. E. Larrabee	11-44	500	6	104	130	20	Ss,LS	P	C	50	3-5	D	L	
171	J. D. Pollitt	H. R. Knox	10-38	495	12	132	38	94	S,G	PI	U	38	527	P,I,	La; Screen, 15 ft of 10-in dia, 3 ft 80 slot, 3 ft 125 slot, 9 ft 156 slot; Dd 7 ft after 12 hr pumping at 527 gpm	
172	U. S. Government	W. H. Wood	10-38	495	12	132	39	93	S,G	PI	U	39	527	P,I,	La; Screen, 15 ft of 10-in dia, 3 ft 80 slot, 3 ft 125 slot, 9 ft 156 slot; Dd 7 ft after 12 hr pumping at 527 gpm	
173	do	Layne-Northern Co., Inc.	7-26-49	485	20	132	39	93	S,G	PI	U	39	527	P,I,	La; Screen, 15 ft of 10-in dia, 3 ft 80 slot, 3 ft 125 slot, 9 ft 156 slot; Dd 7 ft after 12 hr pumping at 527 gpm	
174	do	do	10-38	485	12	128	38	90	S,G	PI	U	38	522	P,I,	La; Dd 9.5 ft after 12 hr pumping at 522 gpm	
175	do	do	7-26-49	485	20	132	39	93	S,G	PI	U	39	527	P,I,	La; Screen, 15 ft of 10-in dia, 3 ft 80 slot, 3 ft 125 slot, 9 ft 156 slot; Dd 7 ft after 12 hr pumping at 527 gpm	
176	do	do	4-19-49	485	6	56	38	93	S,G	PI	U	38		T	La	
177	E. W. Roehm	L. Adkins	11-12-47	485	6	78	34	22	S,G	PI	U	38		D	La, A	
178	E. Taylor	do	8-26-47	485	7	78	34	22	S,G	PI	U	38		D	La, A	
179	H. Kahn	McDaniel & Sons	8-7-59	490	4	58	26	32	S,G	PI	U	26		Og	L, A	
180	I. Ruhman, estate	J. Schaffner	10-27-37	488	4	58	26	32	S,G	PI	U	26		Og	L, A	
181	U. S. Government	Layne-Northern Co., Inc.	7-8-42	488	4	58	26	32	S,G	PI	U	26		Og	L, A	
182	Wabash Valley Fair Association	L. Adkins	5-9-49	485	8	70	19	76	S,G	PI	U	19		P	L, A	
183	do	do	3-9-49	480	6	75			S,G	PI	U			P	La, A	
184	do	do	3-19-60	485	6	84	29	21	S,G	PI	U	29	8	D	La, A; Screen, 3 ft of 2-in dia, no. 60 gauze	
185	C. Brownfield	L. D. Lockard	6-8-60	485	2	50	29	21	S,G	PI	U	29	8	D	La; Screen, 3 ft of 2-in dia, no. 60 gauze	
186	do	do	10-38	485	2	50	29	21	S,G	PI	U	29	8	D	La; Screen, 3 ft of 2-in dia, no. 60 gauze	
187	do	do	7-25-59	490	2	55	22	33	S,G	PI	U	22		D	La, A; Screen, 3 ft of 1 1/2-in dia, no. 12 slot	
188	Wonder Bread Bakery	L. Adkins	1936	490	4	60	37	23	S,G	PI	U	37	30	I	La; Screen, 3 ft of 2-in dia, no. 60 gauze	
189	W. Blocksom	Ringo & Son	10-21-51	489	8	50	28	22	S,G	PI	U	28	6	D	La; Screen, 3 ft of 2-in dia, no. 60 gauze	
190	Tri-K Mining Co.	do	5-37	490	8	50	28	22	S,G	PI	U	28	6	D	La; Screen, 3 ft of 2-in dia, no. 60 gauze	
191	A. Wenzel	F. E. Larrabee	12-17-59	500	2	50	28	22	S,G	PI	U	28	6	D	La; Screen, 3 ft of 2-in dia, no. 60 gauze	
192	do	do	7-25-59	490	2	55	22	33	S,G	PI	U	22		D	La, A; Screen, 3 ft of 1 1/2-in dia, no. 12 slot	
193	Mr. Colglazier	McDaniel & Sons	1-15-52	495	7	48	18	30	S,G	PI	U	18		D	La, A	
194	V. Rosser	H. R. Knox	11-3-44	495	6	74	30	47	S,G	PI	U	30	7	I	L, A	
195	D. Jarman	L. Adkins	1947	500	7	77	30	47	S,G	PI	U	30	7	I	L, A	
196	Hilton Concrete Products Co.	Smith Bros.	4-23-54	495	6	52	34	18	S,G	PI	U	34	30	D	La, A	
197	J. Schoemaker	V. Eaton	4-16-55	500	6	54	41	13	S,G	PI	U	41	3	D	L	
198	do	do	3-2-59	500	6	50	19	31	S,G	PI	U	19	45	D	La	

Well No.	Owner	Driller	Date completed	Altitude (feet)	Type of well	Depth of well below land surface (feet)	Diameter (inches)	Depth of casing (feet)	Finish	Depth to top (feet)	Water-bearing zone				Yield (gpm)	Water level (feet)	Remarks
											Thickness (feet)	Material	Geologic age	Ground-water occurrence			
11/9W-10K1	J. Schoemaker	V. Eaton	5-1-55	495	Dr	58	6	59	P	54	19	S,G	Pl	C	40	L; Dd 7 ft pumping at 10 gpm	
10N1	Hole & Ferguson	McDaniel & Sons	9-57	500	Dr	70	6	70	P		S,G	Pl	U			A	
10Q1	Mr. Cooper	L. Schell	4-58	500	J	80	2	40	S	25	15	S,G	Pl	U	25	L	
11C1	H. and K. Ennen	L. Schell	12-17-51	495	Dr	1,833	6	41		214	34	Ss	P			F. A. Bridge 1; L. (partial)	
11D1	Tri-K Mining Co.	Ringo & Son	1957	540	Dr	106	6	28								L; Mine water discharge hole	
11G1	J. Gullity	L. Schell	8-10-57	500	Dr	67	8	65	P	52	1	G	Pl			L; Mine water discharge hole	
11K1	L. E. Godchalk	H. R. Knox	3-30-54	550	Dr	105	7	180	P	85	2	C	P		.5	La	
11K2	M. Metro		6-25-54	560	Dr	304	6	105	P	93	9	Ss	P			La	
11K3	W. Talley		5-20-63	540	Dr	275	6	236	P, Oh	250	54	Ss	P			La	
11P1	Reupke Nurseries	McDaniel & Son	7-22-46	540	Dr	16	4	16	Oh	200	75	S,G	Pl	U	7	La (partial)	
11R1	T. Waller	L. Adkins	4-25-50	560	Dr	126			Oh							La	
11R2	J. Waller		4-1-44	540	Dr	171										La	
12C1	MT. Pleasant Mining Corp.		4-21-49	540	Dr	119			Oh							La	
12C2	E. Newell		4-23-47	550	Dr	280	6	221	Oh	221	59	Ss	P	C	47	L; Mine water discharge hole	
12M1	R. Barnhart	Sutherland Bros.	8-13-58	550	Dr	49	6	44	P	216	10	Ss	P		3.5	La	
13B1	M. Chausse	W. H. Wood	6-3-36	530	Dr	440				20	20	Ss	P			La	
13C1	A. Hartman		10-12-45	540	Dr	90		90	P	35	6	S	Pl			La	
13D1	C. Standfill	L. Adkins	4-48	540	Dr	116	6	116	P	92	3	S,G	Pl	C	85	L, A	
13P1	T. Carswell	Sutherland Bros.	8-15-57	500	Dr	76	2	76	P	35	41	S,G	Pl	U	12	D, S	
15D1	Mr. Halsted	L. Schell	5-10-54	490	Dr	50	6	50	S	29	15	S,G	Pl	U	35	La, A	
16E1	U. S. Government	McDaniel and Sons	5-13-54	490	Dr	88	6	88		29	53	S,G	Pl	U	29	A	
16E2		Layne-Northern Co., Inc	5-8-54	490	Dr	55	6	55		28	23	S,G	Pl	U	28	T, La	
16M1			7-18-42	480	Dr	86	6	86		14	59	S,G	Pl	U	34	T, L	
17A1			10-42	480	Dr	84	50	61	Gp	18	66	S,G	Pl	U	18	T, L	
17A2				480	Dr	84	18	84		20	64	S,G	Pl	U	20	L, A	
17A3	R. Kunz	V. Eaton	6-15-54	490	Dr	51	6	51	P	33	18	S,G	Pl	U	33	D, S	
17B1	U. S. Government	Layne-Northern Co., Inc	7-16-42	480	Dr	86		86		19	65	S,G	Pl	U	19	L	
17E1	H. Bollinger	H. R. Knox	7-4-42	485	Dr	78	6	78	Oh	30	48	S,G	Pl	U	30	L	
17E2	U. S. Government	Layne-Northern Co., Inc	7-4-42	480	Dr	80		80		22	57	S,G	Pl	U	22	D, S	
17G1			9-42	480	Dr	81	90	60	Gp	20	61	S,G	Pl	U	20	L	
17G2			7-13-42	480	Dr	88		88		23	54	S,G	Pl	U	23	La	
17H1			7-2-42	480	Dr	89		89		22	55	S,G	Pl	U	22	L	
17H2			10-23-42	480	Dr	84	50	61	Gp	22	62	S,G	Pl	U	22	La	
17H3			6-30-42	490	Dr	89		89	S	23	54	S,G	Pl	U	23	L; Screen, 4 ft	
17Q1	U. S. Government	Sutherland Bros.	6-54	480	Dr	86	20	86	S	28	58	S,G	Pl	U	28	La; Screen, 40 ft of 20-in dia, 10 ft 150 slot, 10 ft 60 slot, 20 ft 150 slot; Dd 6 ft after 24 hr pumping at 2,700 gpm	

Well No.	Owner	Company	Date	Depth	Drill	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	520	540	560	580	600	620	640	660	680	700	720	740	760	780	800	820	840	860	880	900	920	940	960	980	1000	Notes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
11/9W-1702	U. S. Government	Layne-Northern Co., Inc.	7-3-42	480	Dr	80	106	134	160	180	206	232	258	284	310	336	362	388	414	440	466	492	518	544	570	596	622	648	674	700	726	752	778	804	830	856	882	908	934	960	986	1012	1038	1064	1090	1116	1142	1168	1194	1220	1246	1272	1298	1324	1350	1376	1402	1428	1454	1480	1506	1532	1558	1584	1610	1636	1662	1688	1714	1740	1766	1792	1818	1844	1870	1896	1922	1948	1974	2000	2026	2052	2078	2104	2130	2156	2182	2208	2234	2260	2286	2312	2338	2364	2390	2416	2442	2468	2494	2520	2546	2572	2598	2624	2650	2676	2702	2728	2754	2780	2806	2832	2858	2884	2910	2936	2962	2988	3014	3040	3066	3092	3118	3144	3170	3196	3222	3248	3274	3300	3326	3352	3378	3404	3430	3456	3482	3508	3534	3560	3586	3612	3638	3664	3690	3716	3742	3768	3794	3820	3846	3872	3898	3924	3950	3976	4002	4028	4054	4080	4106	4132	4158	4184	4210	4236	4262	4288	4314	4340	4366	4392	4418	4444	4470	4496	4522	4548	4574	4600	4626	4652	4678	4704	4730	4756	4782	4808	4834	4860	4886	4912	4938	4964	4990	5016	5042	5068	5094	5120	5146	5172	5198	5224	5250	5276	5302	5328	5354	5380	5406	5432	5458	5484	5510	5536	5562	5588	5614	5640	5666	5692	5718	5744	5770	5796	5822	5848	5874	5900	5926	5952	5978	6004	6030	6056	6082	6108	6134	6160	6186	6212	6238	6264	6290	6316	6342	6368	6394	6420	6446	6472	6498	6524	6550	6576	6602	6628	6654	6680	6706	6732	6758	6784	6810	6836	6862	6888	6914	6940	6966	6992	7018	7044	7070	7096	7122	7148	7174	7200	7226	7252	7278	7304	7330	7356	7382	7408	7434	7460	7486	7512	7538	7564	7590	7616	7642	7668	7694	7720	7746	7772	7798	7824	7850	7876	7902	7928	7954	7980	8006	8032	8058	8084	8110	8136	8162	8188	8214	8240	8266	8292	8318	8344	8370	8396	8422	8448	8474	8500	8526	8552	8578	8604	8630	8656	8682	8708	8734	8760	8786	8812	8838	8864	8890	8916	8942	8968	8994	9020	9046	9072	9098	9124	9150	9176	9202	9228	9254	9280	9306	9332	9358	9384	9410	9436	9462	9488	9514	9540	9566	9592	9618	9644	9670	9696	9722	9748	9774	9800	9826	9852	9878	9904	9930	9956	9982	10008	10034	10060	10086	10112	10138	10164	10190	10216	10242	10268	10294	10320	10346	10372	10398	10424	10450	10476	10502	10528	10554	10580	10606	10632	10658	10684	10710	10736	10762	10788	10814	10840	10866	10892	10918	10944	10970	10996	11022	11048	11074	11100	11126	11152	11178	11204	11230	11256	11282	11308	11334	11360	11386	11412	11438	11464	11490	11516	11542	11568	11594	11620	11646	11672	11698	11724	11750	11776	11802	11828	11854	11880	11906	11932	11958	11984	12010	12036	12062	12088	12114	12140	12166	12192	12218	12244	12270	12296	12322	12348	12374	12400	12426	12452	12478	12504	12530	12556	12582	12608	12634	12660	12686	12712	12738	12764	12790	12816	12842	12868	12894	12920	12946	12972	12998	13024	13050	13076	13102	13128	13154	13180	13206	13232	13258	13284	13310	13336	13362	13388	13414	13440	13466	13492	13518	13544	13570	13596	13622	13648	13674	13700	13726	13752	13778	13804	13830	13856	13882	13908	13934	13960	13986	14012	14038	14064	14090	14116	14142	14168	14194	14220	14246	14272	14298	14324	14350	14376	14402	14428	14454	14480	14506	14532	14558	14584	14610	14636	14662	14688	14714	14740	14766	14792	14818	14844	14870	14896	14922	14948	14974	15000	15026	15052	15078	15104	15130	15156	15182	15208	15234	15260	15286	15312	15338	15364	15390	15416	15442	15468	15494	15520	15546	15572	15598	15624	15650	15676	15702	15728	15754	15780	15806	15832	15858	15884	15910	15936	15962	15988	16014	16040	16066	16092	16118	16144	16170	16196	16222	16248	16274	16300	16326	16352	16378	16404	16430	16456	16482	16508	16534	16560	16586	16612	16638	16664	16690	16716	16742	16768	16794	16820	16846	16872	16898	16924	16950	16976	17002	17028	17054	17080	17106	17132	17158	17184	17210	17236	17262	17288	17314	17340	17366	17392	17418	17444	17470	17496	17522	17548	17574	17600	17626	17652	17678	17704	17730	17756	17782	17808	17834	17860	17886	17912	17938	17964	17990	18016	18042	18068	18094	18120	18146	18172	18198	18224	18250	18276	18302	18328	18354	18380	18406	18432	18458	18484	18510	18536	18562	18588	18614	18640	18666	18692	18718	18744	18770	18796	18822	18848	18874	18900	18926	18952	18978	19004	19030	19056	19082	19108	19134	19160	19186	19212	19238	19264	19290	19316	19342	19368	19394	19420	19446	19472	19498	19524	19550	19576	19602	19628	19654	19680	19706	19732	19758	19784	19810	19836	19862	19888	19914	19940	19966	19992	20018	20044	20070	20096	20122	20148	20174	20200	20226	20252	20278	20304	20330	20356	20382	20408	20434	20460	20486	20512	20538	20564	20590	20616	20642	20668	20694	20720	20746	20772	20798	20824	20850	20876	20902	20928	20954	20980	21006	21032	21058	21084	21110	21136	21162	21188	21214	21240	21266	21292	21318	21344	21370	21396	21422	21448	21474	21500	21526	21552	21578	21604	21630	21656	21682	21708	21734	21760	21786	21812	21838	21864	21890	21916	21942	21968	21994	22020	22046	22072	22098	22124	22150	22176	22202	22228	22254	22280	22306	22332	22358	22384	22410	22436	22462	22488	22514	22540	22566	22592	22618	22644	22670	22696	22722	22748	22774	22800	22826	22852	22878	22904	22930	22956	22982	23008	23034	23060	23086	23112	23138	23164	23190	23216	23242	23268	23294	23320	23346	23372	23398	23424	23450	23476	23502	23528	23554	23580	23606	23632	23658	23684	23710	23736	23762	23788	23814	23840	23866	23892	23918	23944	23970	23996	24022	24048	24074	24100	24126	24152	24178	24204	24230	24256	24282	24308	24334	24360	24386	24412	24438	24464	24490	24516	24542	24568	24594	24620	24646	24672	24698	24724	24750	24776	24802	24828	24854	24880	24906	24932	24958	24984	25010	25036	25062	25088	25114	25140	25166	25192	25218	25244	25270	25296	25322	25348	25374	25400	25426	25452	25478	25504	25530	25556	25582	25608	25634	25660	25686	25712	25738	25764	25790	25816	25842	25868	25894	25920	25946	25972	25998	26024	26050	26076	26102	26128	26154	26180	26206	26232	26258	26284	26310	26336	26362	26388	26414	26440	26466	26492	26518	26544	26570	26596	26622	26648	26674	26700	26726	26752	26778	26804	26830	26856	26882	26908	26934	26960	26986	27012	27038	27064	27090	27116	27142	27168	27194	27220	27246	27272	27298	27324	27350	27376	27402	27428	27454	27480	27506	27532	27558	27584	27610	27636	27662	27688	27714	27740	27766	27792	27818	27844	27870	27896	27922	27948	27974	27999	28025	28051	28077	28103	28129	28155	28181	28207	28233	28259	28285	28311	28337	28363	28389	28415	28441	28467	28493	28519	28545	28571	28597	28623	28649	28675	28701	28727	28753	28779	28805	28831	28857	28883	28909

Table 2.--Records of wells, Vigo County, Indiana--Continued

Well No.	Owner	Driller	Date completed	Altitude (feet)	Type of well	Depth of well below land-surface (feet)	Diameter (inches)	Depth of casing (feet)	Finish	Water-bearing zone					Yield (gpm)	Water level (feet)	Remarks
										Depth to top (feet)	Thickness (feet)	Material	Geologic age	Ground-water occurrence			
11/9W-36R2	R. E. Wellman	H. Ellis	---	590	Dr	378	---	118	Oh	---	61.5	---	---	---	---	---	L, A
11/10W-2H1	Mr. Gallington	L. Schell	1958	470	Dr	92	6	100	P	---	---	---	---	---	---	---	L, A
2H1	H. A. Brown	---do---	---	530	Dr	89	6	89	Oh	---	83	6	---	---	---	---	L, A
4G1	J. Hays, Jr.	Mingo & Son	6-27-57	550	Dr	99	6	99	Oh	---	84	15	---	---	---	---	L, A; Dd 10 ft pumping at 20 gpm
4H1	W. L. Hoggatt	V. Savon	5-8-54	545	Dr	99	6	99	P	---	86	14	---	---	---	---	L, A; Screen, 2 ft of 3-in dia, 60 slot
4R1	Mrs. Bieker	Smith Bros.	6-4-58	540	Dr	100	4	100	S	---	---	---	---	---	---	---	L, A; Dd 60 ft after 3 hr pumping at 20 gpm
9L1	H. Doollittle	Mingo & Son	6-57	530	Dr	100	6	---	P	---	95	5	---	---	---	---	L, A; Dd 60 ft after 3 hr pumping at 20 gpm
9K1	D. W. Morris	L. D. Lockard	10-12-39	510	Dr	105	5	105	---	---	65.5	9.5	---	---	---	---	L, A; Dd 60 ft after 3 hr pumping at 20 gpm
9L1	Mr. Buzan	U & E Drilling Co.	11-20-55	546	Dr	1,265	---	---	---	---	100	30	---	---	---	---	OK
10D1	Pennsylvania Railroad	Layne-Northern Co., Inc.	12-21-30	540	Dr	37	6	---	---	---	---	---	---	---	---	---	T
10G1	---do---	---do---	12-15-50	540	Dr	35	6	---	---	---	---	---	---	---	---	---	T
14D1	Public Service Co. of Indiana	W. H. Wood	---	468	Dr	23	---	---	---	---	---	---	---	---	---	---	T
15R1	Mr. Bell	---do---	11-14-55	484	Dr	1,185	---	---	---	---	---	---	---	---	---	---	OG
22J1	L. Hahan	H. R. Knox	12-43	475	Dr	41	6	41	Oh	---	32	9	---	---	---	---	D, S
23B1	U. S. Government	Layne-Northern Co., Inc.	6-22-42	475	Dr	109	---	---	---	---	17	90	---	---	---	---	L
23N1	S. Whitlock	H. R. Knox	7-42	470	Dr	35	6	35	Oh	---	28	7	---	---	---	---	L
24L1	U. S. Government	V. Hayden	1946	---	---	64	6	64	Oh	---	36	36	---	---	---	---	L, A; Dd 0.5 ft bailing at 20 gpm
24C1	J. S. Graves	Layne-Northern Co., Inc.	6-25-42	460	Dr	87	---	---	---	---	10	74	---	---	---	---	L
24C1	J. S. Graves	V. Hayden	1946	475	Dr	44	8	44	Oh	---	20	18	---	---	---	---	L
24C2	I. Morgan	H. R. Knox	5-45	475	Dr	90	12	20	Oh	---	59	3	---	---	---	---	L
24E1	B. L. Myles	---do---	8-43	480	Dr	85	8	20	Oh	---	72	18	---	---	---	---	L
25E2	C. Kruzan	---do---	9-43	480	Dr	88	6	24	Oh	---	67	2	---	---	---	---	L
25E2	D. A. Mays	V. Hayden	1946	480	Dr	93	8	23	Oh	---	75	10	---	---	---	---	La
25E4	P. Hannum	---do---	1946	480	Dr	99	8	18	Oh	---	23	34	---	---	---	---	La
25E5	R. Sens	H. R. Knox	7-17-51	480	Dr	82	5	31	P, Oh	---	63	2	---	---	---	---	L, A
25E6	S. Roush	Sutherland Bros.	7-56	480	Dr	205	8	19	Oh	---	75	7	---	---	---	---	La (partial)
25E7	J. D. Harlan	H. R. Knox	9-43	480	Dr	98	6	24	Oh	---	62	2	---	---	---	---	La
25E8	H. Sons	---do---	3-24-43	480	Dr	73	6	20	Oh	---	19	41	---	---	---	---	La
25E9	P. Hannum	---do---	7-4-42	485	Dr	80	6	21	Oh	---	68	2	---	---	---	---	La
25F1	H. Waterman	---do---	8-43	480	Dr	97	8	22	Oh	---	65	1.5	---	---	---	---	La
25E2	T. Howard	V. Hayden	1946	480	Dr	95	8	19	Oh	---	78	19	---	---	---	---	La
25E3	C. Harper	H. R. Knox	9-49	480	Dr	53	8	15	Oh	---	35	15	---	---	---	---	La
25E4	W. Waterman	H. R. Knox	8-49	480	Dr	92	6	18	Oh	---	18	30	---	---	---	---	La
25E5	H. Martin	V. Hayden	3-54	480	Dr	67	8	26	Oh	---	---	---	---	---	---	---	L, A
25E6	R. Veatch	---do---	1955	485	Dr	65	8	22	Oh	---	---	---	---	---	---	---	L, A
25E7	H. L. Hurst	H. R. Knox	8-25-53	485	Dr	91	8	24	Oh	---	59	2	---	---	---	---	L, A
25E8	G. Smith	---do---	7-14-42	485	Dr	73	6	24	Oh	---	61	37	---	---	---	---	L, A
25E9	H. L. Hurst	---do---	7-11-42	485	Dr	75	6	18	Oh	---	25	33	---	---	---	---	La
25H1	H. Harlan	---do---	9-2-41	480	Dr	35	6	35	Oh	---	62	3	---	---	---	---	La
25H2	---do---	---do---	9-2-41	480	Dr	37	6	31	Oh	---	7	27	---	---	---	---	La

Well No.	Owner	Driller	Date completed	Altitude (feet)	Type of well	Depth of well below land-surface (feet)	Diameter (inches)	Depth of casing (feet)	Finish	Water-bearing zone					Water level (feet)	Yield (gpm)	Remarks
										Depth to top (feet)	Thickness (feet)	Material	Geologic age	Ground-water occurrence			
12/ 39-1711	Rose Ploytechnic Inst.																
1881	R. Pease	Sutherland Bros.	8-22	340	Dr	79	6	87	Oh	35	2	S	Pl	C	62	16	La
1882	F. Jacob	L. Adkins	3-51	370	Dr	87	6	99	P	81	18	S,G	Pl	C	---	---	L
1883	R. Gough	V. Eaton	6-24-45	515	Dr	180	6	98	S	---	---	S,G	P(?)	---	---	---	La (partial)
1884	A. C. Sheldon	H. R. Knox	5-9-42	540	Dr	217	6	153	Oh	---	---	S,G	Pl	C	77	---	L, A: Screen, 6-in dia
1885	Mr. McFall	H. R. Knox	8-12-40	560	Dr	263	6	140	Oh	221	4	C	P	C	---	---	L
1886	H. J. Adams	M. Ricard	1941	560	Dr	320	6	265	Oh	295	11	Ss	P	C	70	---	L
1887	G. Brooks	Sutherland Bros.	4-47	550	Dr	82	6	82	P	69	11	S,G	Pl	C	7	---	L
1981	R. Young	Sutherland Bros.	6-24-40	370	Dr	108	6	61	Oh	106	2	C,F	P	C	36	6	L
2181	Mrs. Martin	do	575	116	Dr	116	6	90	Oh	---	---	C,F	P	C	---	---	L
2182	Mr. Freeman	do	575	116	Dr	116	6	90	Oh	---	---	C,F	P	C	---	---	L
2183	E. Hatbee	L. Adkins	3-26-45	575	Dr	90	6	36	Oh	35	45	Ss	P	C	17	4	L, A
2184	H. Chamberlin	Ringo & Son	10-55	580	Dr	80	6	25	Oh	---	---	Ss	P	C	---	---	L, A
2201	R. E. McPherson	L. Adkins	4-6-40	570	Dr	175	6	40	Oh	---	---	Ss	P	C	---	---	L, A
2202	C. Valentine	L. Adkins	10-16-42	580	Dr	117	6	35	Oh	97	2	C	P	C	30	4.5	L, A
2481	H. Butts	Ringo & Son	8-2-55	605	Dr	61	6	30	Oh	33	10	Sd-sh	P	C	13	10	L, A: Dd 15 ft bailing at 10 gpm
2482	T. Jeffers, Sr.	do	12-54	605	Dr	61	6	30	Oh	50	5	Ss	P	C	---	---	L, A: Dd 15 ft bailing at 10 gpm
2483	T. Jeffers, Jr.	do	5-55	605	Dr	60	6	41	Oh	43	10	Ss	P	C	3	5	L, A
2484	H. Lange	do	9-17-56	580	Dr	52	6	61	S	52	9	S,G	Pl	C	25	20	L, A: Screen, 6.5 ft of 6-in dia
2491	R. Gard	do	1-55	590	Dr	61	6	52	Oh	46	6	S,G	Pl	C	17	8	L, A: Dd 4 ft bailing at 8 gpm
2501	J. Dickerson	L. Adkins	3-55	585	Dr	52	6	170	Oh	---	---	Ss	P	C	---	---	L, A
2502	F. Bell	L. Adkins	5-19-45	580	Dr	410	6	52	Oh	---	---	Ss	P	C	---	---	L, A
2601	Traux Tracur Coal Co.	do	10-21-53	592	Dr	824	6	---	---	330	32	Ss	P	C	---	---	F. B. Cline 1: L (partial)
2602	J. Trevarthton	Ringo & Son	4-55	590	Dr	95	6	46	P, Oh	35	2	S,G	Pl	C	7	5	L
2603	O. Basley	do	5-55	590	Dr	40	6	40	P	21	2	S,G	Pl	C	5	---	L
2604	L. Gibson	do	3-25-59	570	Dr	80	6	40	Oh	45	20	Sd-sh	P	C	28	---	L, A
2605	L. Pratt	do	7-20-40	575	Dr	118	6	39	Oh	---	---	Sd-sh	P	C	---	---	L, A
2606	do	do	8-26-55	565	Dr	158	6	114	Oh	145	5	Sd-sh	P	C	---	---	L, A
2607	C. Felling	Ringo & Son	8-26-55	565	Dr	87	6	52	Oh	61	20	Ss	P	C	32	15	L, A: Dd 28 ft bailing at 15 gpm
2881	City of Terre Haute	do	3-8-40	580	Dr	84	7	59	Oh	58	26	Ss	P	C	---	---	L
2882	Texas Gas Transmission Co.	do	6-29-42	585	Dr	124	7	124	Oh	121	3.5	S	Pl	C	43	10	L, A: Dd 10 ft bailing at 10 gpm
2883	City of Terre Haute	L. Adkins	7-16-41	575	Dr	83	6	83	S	72	11	S,G	Pl	C	---	---	L: Screen, 6 ft of 5-in dia
2884	J. Fry	do	8-13-44	560	Dr	125	6	45	P	13	10	S	Pl	C	---	---	L, A
2885	E. Saakley	do	4-9-45	560	Dr	127	6	50	P	42	8	S,G	Pl	C	---	---	L, A
2886	J. C. Zimmerman	do	3-22-45	570	Dr	90	6	35	Oh	---	---	S,G	Pl	C	---	---	L, A
2887	J. Gilfel	do	6-25-44	560	Dr	80	6	35	Oh	---	---	S,G	Pl	C	---	---	L, A
2888	R. Baur	Sutherland Bros.	7-12-47	570	Dr	80	6	17	Oh	46	4	S	Pl	C	---	---	L: "dry hole"
2889	J. C. Auld	do	10-25-47	568	Dr	17	6	70	P	---	---	S	Pl	C	2	---	O W: Observation well Vigo 3
2890	D. Zant	L. Adkins	8-27-49	560	Dr	70	6	61	P	60	10	S,G	Pl	C	---	---	L
2891	A. D. Rowland	V. Hayden	9-9-59	560	Dr	60	6	50	P	40	21	G	Pl	C	---	---	L, A
2892	J. Rockwood	Ringo & Son	8-27-49	575	Dr	166	6	60	Oh	48	12	S,G	Pl	C	30	20	L, A: Dd 12 ft after 1 hr pumping at 20 gpm
3081	Eastside Drive-In Theatre	W. Laughlin	10-54	580	Dr	48	6	48	S	40	7.5	S,G	Pl	C	28	15	L, A
3082	A. Hulman	Sutherland Bros.	10-57	575	Dr	79	8	79	S	56	23	S,G	Pl	C	---	---	L, A
3083	R. Farr	L. Adkins	5-16-46	560	Dr	61	6	61	P	48	10	S	Pl	C	---	---	L: Well backfilled with gravel to 50 ft
3181	G. Ley	Ringo & Son	7-55	550	Dr	50	6	50	S	41	9	S,G	Pl	C	26	20	L, A: Screen, 5.5 ft of 5 1/2-in dia; Dd 8 ft pumping at 15 gpm
3182	do	do	11-54	560	Dr	51	6	51	S	43	8	S,G	Pl	C	25	15	L, A: Screen, 6.5 ft of 4-in dia; Screen, 5.5 ft of 5 1/2-in dia; Dd 10 ft pumping at 15 gpm

12/ 8W-31B1	R. Fell	10-55	560	Dr	72	6	72	Oe	70	2	S,G	PI	C	27	4.5	D	L, A
31J1	H. Oldham	2-56	560	Dr	45	6	45	P	13	30	S,G	PI	C	5	10	D	La
31J2	M. Farr	11-54	560	Dr	97	6	97	S	89	8	S,G	PI	C	37	20	D	L; Screen, 6 ft of 5 1/2-in dia Dd 10 ft pumping at 20 gpm
31R1	Mr. Froderman	10-1-58	560	Dr	43	4	43	P	---	---	S,G	PI	C	9	10	D	L, A
32D1	I. Joseph	11-54	570	Dr	53	6	42	Oh	70	20	S,G	PI	C	17	10	D,S	L, A
32D2	E. Farr	12-10-55	560	Dr	90	6	90	Oe	---	---	S,G	PI	C	25	20	D	L, A; Dd 7 ft pumping at 20 gpm
32E1	B. Pinkston	---	560	Dr	48	8	48	P	38	10	G	PI	C	24	20	D	L
32E1	O. B. Dilbone	11-54	555	Dr	88	6	88	S	82	4	S,G	PI	C	---	---	D	L, A; Screen, 5 ft of 5 1/2-in dia; Dd 36 ft pumping at 20 gpm
32N1	K. Shults	10-55	560	Dr	53	6	53	S	41	12	S,G	PI	C	13	25	D,S	L, A; Screen, 8 ft of 5 1/2-in dia; Dd 15 ft pumping at 25 gpm
32R1	H. Smith	1-21-44	565	Dr	80	4	80	P	77	2	G	PI	C	---	---	D	L
32R2	W. Shults	---	575	Dr	93	8	93	Oe	90	3	S,G	PI	C	15	20	D	La
34B1	H. Stephen	9-55	565	Dr	97	6	62	Oh	65	26	Ss	P	C	8	6	D	L, A
34H1	Mr. Egnew	1-3-46	580	Dr	174	10	125	---	---	---	---	---	---	---	---	D	L, A; Drilled into old mine workings
34H2	Pyramid Coal Corp.	---	580	Dr	156	16	157	---	---	---	---	---	---	---	---	N	La; Mine water discharge hole
34R1	I. Taylor	---	570	Dr	50	---	---	---	---	---	---	---	---	---	---	N	La; Mine water discharge hole
35C1	Pyramid Coal Corp.	11-45	580	Dr	130	6	95	---	---	---	---	---	---	---	---	N	L; Mine water discharge hole
36B1	Ayrshire Collieries Corp.	10-10-47	580	Dr	40	---	---	---	---	---	---	---	---	---	---	De	La
12/ 9W-1M1	Bituminous Materials Corp.	1954	500	Dn	42	2	42	S	22	20	S,G	PI	U	22	---	P	La
1N1	The Visking Corp.	5-29-46	500	Dr	120	6	---	---	30	90	S,G	PI	U	30	---	T	La
1N2	---	6-27-46	500	Dr	120	6	---	---	30	90	S,G	PI	U	30	---	T	La
1N3	---	6-5-46	500	Dr	120	12	120	S	30	90	S,G	PI	U	30	350	I	L; Screen, 20 ft of 10-in dia, no. 55 slot; Dd 11.5 ft pumping at 350 gpm
1N4	---	7-5-46	500	Dr	120	12	119	S	30	90	S,G	PI	U	30	350	I	La; Screen, 20 ft of 10-in dia, no. 55 slot; Dd 11.5 ft pumping 350 gpm
2C1	Winstow Government Standard Scale Works	---	495	Dr	65	4	65	---	---	---	S,G	PI	---	---	---	I	La; Screen, 2.5 ft of 2 1/2-in dia, no. 30 slot
2C2	D. B. Snyder	10-22-59	495	J	50	2 1/2	50	S	25	25	S,G	PI	U	25	20	D	La; Screen, 2.5 ft of 2 1/2-in dia, no. 30 slot
2F1	V. W. Griffin	4-28-47	495	Dr	50	7	50	P	31	19	S,G	PI	U	31	---	D	A
2F2	W. Powell	3-19-47	495	Dr	52	6	52	P	31	21	S,G	PI	U	31	---	D	A
2G1	E. Heck	3-20-58	495	Dn	48	2	48	S	35	13	S,G	PI	U	35	10	D	L; Screen, 2 ft of 2-in dia, no. 20 slot
2L1	F. Rittman	5-28-55	585	Dr	585	---	---	---	60	59	S,G	PI	---	---	---	Og	M. D. McIvin 1; L (partial)
2M1	C. Purcell	11-15-53	494	Dr	1,524	---	---	---	284	21	Ss	P	---	---	---	Og	J. G. Beard 1; La
3A1	V. Wiley	---	515	J	73	2	73	S	23	50	S,G	PI	U	23	---	D	La; Screen, 3 ft of 1 1/2-in dia, no. 10 slot
3A2	C. F. Wood	3-10-60	520	J	90	2	90	S	48	42	S,G	PI	U	48	7	D	L, A; Screen, 3 ft of 1 1/2-in dia, no. 10 slot
3B1	H. Nevins	3-31-47	520	Dr	82	7	82	Oe	---	---	S,G	PI	---	---	---	D	L
3E2	E. Adams	5-10-47	520	Dr	92	4	92	P	---	---	S,G	PI	---	---	---	N	La
3D1	Saxton Mine	8-4-45	470	Dr	153	2	---	---	---	---	S,G	PI	---	---	---	T	La
3G1	A. Stephens	9-18-59	520	J	87	2 1/2	87	S	46	41	S,G	PI	U	46	8	D	L; Screen, 3 ft of 1 1/2-in dia, Dd 3 ft after 4 hr pumping at 8 gpm
3P1	Wabash Sand & Gravel Co.	12-20-47	490	Dr	55	6	55	P	34	21	S,G	PI	U	34	---	I	L
4B1	Saxton Mine	12-18-35	460	Dr	157	2	---	---	12	106	S,G	PI	---	---	---	T	L
4E1	A. H. Brocksmit	4-11-42	464	Dr	170	---	---	---	---	---	---	---	---	---	---	T	L
4F1	---	5-20-42	467	Dr	175	---	---	---	---	---	---	---	---	---	---	T	L
4K1	---	8-22-35	459	Dr	146	2	---	---	20	84.6	S,G	PI	---	---	---	T	L
4M1	---	6-22-42	464	Dr	161	---	---	---	---	---	---	---	---	---	---	T	L
4Q1	J. P. Smith	3-9-47	490	Dr	63	6	63	P	32	31	S,G	PI	U	32	---	T	L
4Q2	Saxton Mine	6-2-42	467	Dr	163	---	---	---	---	---	S,G	PI	U	23	---	D	L, A; Screen, 2 ft of 4-in dia, no. 25 slot
4R1	S. Weinbrecht	11-57	495	Dr	64	4	64	S	23	41	S,G	PI	U	23	---	D	L, A
5E1	M. Nemeyer	10-22-45	565	Dr	250	---	---	---	---	---	S	PI	---	---	---	N	La
5E2	---	9-10-45	560	Dr	170	6	70	P	---	---	---	---	---	---	---	N	La
5G1	Saxton Mine	11-12-46	517	Dr	176	---	---	---	---	---	---	---	---	---	---	T	L
5H1	A. H. Brocksmit	---	496	Dr	239	---	---	---	---	---	---	---	---	---	---	T	L
5J1	---	6-26-42	469	Dr	195	---	---	---	34	12	Ss	P	---	---	---	T	L
5P1	J. Dennis	9-18-45	485	Dr	155	---	---	---	145	10	Sh	P	---	---	---	De	L; "Salt water"
5P2	---	10-3-45	485	Dr	25	8	12	Oh	---	---	---	P	---	---	---	De	L; "Dry hole"
6H1	M. Nemeyer	10-22-46	560	Dr	200	6	131	Oh	---	---	---	P	---	---	---	De	L; "Dry hole"

Table 2. --Records of wells, Vigo County, Indiana--Continued.

Well No.	Owner	Driller	Date completed	Altitude (feet)	Type of well	Depth of well below land-surface (feet)	Diameter (inches)	Depth of casing (feet)	Finish	Water-bearing zone					Water level (feet)	Yield (gpm)	Use	Remarks
										Depth to top (feet)	Thickness (feet)	Material	Geologic age	Ground-water occurrence				
12/ 9W- 6M1	Sisters of St. Francis	Sutherland Bros.	1956	600	Dr	101												
7D1	P. Kerstines	L. Adkins	10-23-48	575	Dr	74	6	58	P	57	4	G	P1					L; Well backfilled to 58 ft
8K1	C. Hatch	do	8- 6-49	460	Dr	112	8	75	Oh	77	4	G	P1					L; "Salt water"
8N1	D. Hicks	do	10-31-45	480	Dr	45	8	32	Oh	80	32	Sh	P					L, A
9A1	W. Dietrich	Sutherland Bros.	3-21-47	500	Dr	63	7	63	P	30	10	Ss	P					L
9H1	J. M. Stoker	L. Adkins	8-49	495	Dr	66	6	66	P	41	22	S,G	P1					D
10D1	Mr. Andrews	Sutherland Bros.	5-13-47	500	Dr	59	6	59	P	31	28	S,G	P1					A
10E1	Smith Gardens	W. H. Wood	1942	495	Dr	89	8	89	P	49	40	S,G	P1					A; Screen, 3 ft of 2-in dia, no. 60 slot
11A1	Mr. Bosc	F. E. Larrabee	12-29-59	500	Dn	55	2	55	S	32	23	S,G	P1					Screen, 3.5 ft of 1 1/4-in dia, no. 25 slot
11G1	M. Pepsak	Smith Bros.	1-18-60	500	J	55	2	55	S	40	15	S,G	P1					Screen, 20 ft of 1 1/4-in dia, 10 ft no. 80 slot, 10 ft no. 100 slot
11L1	New York Central Railroad	W. H. Wood	1942	500	Dr	100	12	100	S	40	60	S,G	P1					Screen, 20 ft of 12-in dia
11L2	do	A. D. Cook	1928	500	Dr	94	12	94	S	40	54	S,G	P1					Screen, 20 ft of 12-in dia
11L3	do	W. H. Wood	1937	500	Dr	94	12	94	S	40	54	S,G	P1					Screen, 20 ft of 12-in dia, no. 80 slot
13C1	Miken Homes, Inc.	Smith Bros.	9-22-59	505	J	47	2 1/2	47	S	30	17	S,G	P1					Screen, 2.5 ft of 2 1/4-in dia, no. 30 slot
13D1	W. Decker	do	9-15-59	505	J	50	2	50	S	25	25	S,G	P1					Screen, 3.5 ft of 1 1/4-in dia, no. 25 slot
13F1	Miken Homes, Inc.	do	9-21-59	500	J	48	2 1/2	48	S	30	18	S,G	P1					Screen, 2.5 ft of 2 1/4-in dia, no. 30 slot
13F2	J. Hoffman	do	9-12-59	505	J	50	2	50	S	23	27	S,G	P1					Screen, 3.5 ft of 1 1/4-in dia, no. 12 slot
13K1	L. Wallis	L. Adkins	7-13-44	505	Dr	41	12	41	P	38	35	S,G	P1					L
13P1	Quaker Maid Co.	W. H. Wood	1945	510	Dr	73	12	73	S	38	35	S,G	P1					L; Screen, 21 ft of 12-in dia; Dd 9 ft pumping at 340 gpm
14E1	Gwin Bros. Pattern Shop	do	1925	500	Dn	40	1 1/2	40	S	30	10	G	P1					Screen, 10 ft of 12-in dia; Dd 17 ft pumping at 480 gpm
14E1	Highland Steel Corp.	do	1925	500	Dr	83	12	83	S	37	46	S,G	P1					Screen, 12 ft of 12-in dia; Dd 17 ft pumping at 480 gpm
14E2	do	do	1925	500	Dr	83	12	83	S	37	46	S,G	P1					Screen, 12 ft of 8-in, no. 60 slot
15A1	Wabash Fibre Box Co.	L. Adkins	1954	500	Dr	85	8	85	S	85	8	S,G	P1					Screen, 4 ft of 3-in dia
15A2	Terre Haute Malleable & Mfg. Corp.	W. H. Wood	1923	500	Dr	96	8	96	S	85	8	S,G	P1					Screen, 12 ft of 12-in dia; Dd 9 ft pumping at 340 gpm
15B1	Mesbitt Bottling Co.	C. Sutherland	1842	490	Dr	116	8	116	S	116	8	S,G	P1					Screen, 12 ft of 12-in dia; Dd 9 ft pumping at 340 gpm
15C1	Garfield Theatre	Pigg	1941	490	Dr	45	2	45	S	45	2	G	P1					Screen, 4 ft of 3-in dia
15C2	Steak & Shake	Hardesty	1926	490	Dr	80	4	80	S	30	50	S,G	P1					Screen, 4 ft of 3-in dia
15E1	Coca Cola Bottling Co.	J. J. Moser	1955	490	Dr	60	3	60	S	30	30	S,G	P1					Screen, 4 ft of 3-in dia
15G1	Recipe Foods, Inc.	C. Sutherland	1942	490	Dr	135	12	135	P	35	100	S,G	P1					Screen, 4 ft of 3-in dia
15H1	Columbian Enameling Co.	W. H. Wood	1931	500	Dr	90	8	90	S	30	60	S,G	P1					Screen, 4 ft of 3-in dia
15H2	do	W. H. Wood	1943	500	Dr	87	10	85	S	30	55	S,G	P1					Screen, 4 ft of 3-in dia
15H3	do	do	12-47	500	Dr	90	12	90	S	30	60	S,G	P1					Screen, 4 ft of 3-in dia
15P1	Kenly Co.	Kenly Co.	1954	490	Dn	60	2	60	S	32	28	S,G	P1					Screen, 4 ft of 3-in dia
16P1	Terre Haute Water Works Co.	do	10-22	460	Dr	72	8	72	S	22	50	S,G	P1					Screen, 4 ft of 3-in dia
18B1	Fraternal Order of Police	Sutherland Bros.	9- 2-48	560	Dr	64	7	64	P	62	2	S,G	P1					Screen, 4 ft of 3-in dia
19E1	H. Ridenour	L. Adkins	4- 7-44	550	Dr	60												Screen, 4 ft of 3-in dia
19R1	West Terre Haute Utilities Co.	Layne-Northern Co., Inc.	4-28-38	480	Dr	81				9	72	S,G	P1					Screen, 4 ft of 3-in dia

12/ 98-1982	West Terre Haute	Layne-Northern Co., Inc.	6-13-38	Dr	70	14	70	S	70	S	13	57	S,G	Pl	U	13	300	P	Screen, 10 ft of 12-in dia; Dd 8 ft pumping at 300 gpm Screen, 12 ft of 12-in dia Dd 15 ft after 1/2 hr pumping La at 1,200 gpm Dd 3 ft pumping at 1,500 gpm L. Screen, 26 ft Screen, 20 ft of 8-in dia, no. 12 slot, 8 ft of no. 16 slot; Dd 3 ft pumping at 150 gpm Screen, 20 ft of 4-in dia Screen, 20 ft of 6-in dia Dd 11 ft pumping at 300 gpm Dd 2 ft pumping at 150 gpm Do Dd 6 ft pumping at 125 gpm L. Screen, 7.5 ft La. Screen, 15 ft of 10-in dia Screen, 20 ft of 10-in dia Screen, 20 ft of 6-in dia Screen, 20 ft of 10-in dia A A L Dd 7 ft pumping at 300 gpm Dd 16 ft pumping at 150 gpm Screen, 26 ft of 12-in dia, no. 100 slot; Dd 3 ft pumping at 500 gpm Screen, 15 ft of 10-in dia, no. 20 slot Screen, 15 ft of 8-in dia, 10 ft of no. 25 slot, Dd 5 ft of no. 40 slot, Dd 7 ft pumping 300 gpm L Screen, 23 ft of 18-in dia, no. 180 slot; Dd 11 ft pumping 1,020 kpm Screen, 15 ft of 4-in dia La La. Screen, 10 ft of 6-in dia L L L L, A L, A L, A
1983	-----do-----	Layne-Northern Co., Inc.	1- 3-47	Dr	111	12	111	S	111	S	18	93	S,G	Pl	U	18	600	P	Screen, 10 ft of 12-in dia; Dd 8 ft pumping at 300 gpm Screen, 12 ft of 12-in dia
2181	Swath-Alsop Paint Co.	C. Sutherland	1936	Dr	96	16	96	P	96	P	42	53	S,G	Pl	U	42	1200	I	Dd 15 ft after 1/2 hr pumping La at 1,200 gpm
21F1	Home Packing & Ice Co.	Brown & Ringo	1920	Dr	105	16	105	P	105	P	42	53	S,G	Pl	U	42	1200	I	Dd 15 ft after 1/2 hr pumping La at 1,200 gpm
21F2	-----do-----	-----do-----	1940	Dr	124	15	124	P	124	P	42	82	S,G	Pl	U	42	1750	I	La at 1,200 gpm
21F3	-----do-----	-----do-----	1948	Dr	112	10	112	P	112	P	42	70	S,G	Pl	U	42	1500	I	Dd 3 ft pumping at 1,500 gpm
21F4	-----do-----	-----do-----	10- 4-37	Dr	123	16	123	S	123	S	42	81	S,G	Pl	U	42	1500	I	Dd 3 ft pumping at 1,500 gpm
21G1	Tempie Laundry	W. H. Wood	493	Dr	100	8	100	-----	100	-----	40	123	S,G	Pl	U	40	123	I	L. Screen, 26 ft
21G2	-----do-----	-----do-----	495	Dr	100	8	100	-----	100	-----	40	123	S,G	Pl	U	40	123	I	L. Screen, 26 ft
21G3	-----do-----	L. Adkins	12-15-54	Dr	82	8	82	S	82	S	40	42	S,G	Pl	U	40	150	I	Screen, 20 ft of 8-in dia, no. 12 slot, 8 ft of no. 16 slot; Dd 3 ft pumping at 150 gpm
21G4	Finer Foods Packing Co.	W. H. Wood	1943	Dr	80	4	80	S	80	S	-----	-----	S,G	Pl	-----	-----	120	I	Screen, 20 ft of 4-in dia Screen, 20 ft of 6-in dia
21G5	-----do-----	-----do-----	1945	Dr	80	6	80	S	80	S	-----	-----	S	Pl	-----	-----	500	I	Screen, 20 ft of 4-in dia
21G6	Drake Produce	R. Benson	1949	Dr	101	8	101	-----	101	-----	35	35	S,G	Pl	U	35	-----	I	Screen, 20 ft of 6-in dia
21G7	-----do-----	Moser	1954	Dr	70	2	70	S	70	S	45	35	S,G	Pl	U	45	300	I	Dd 11 ft pumping at 300 gpm
21H1	Borden Pure Milk & Ice Cream Co.	W. H. Wood	1935	Dr	80	10	80	-----	80	-----	45	35	S,G	Pl	U	45	300	I	Dd 11 ft pumping at 300 gpm
21H2	-----do-----	-----do-----	1942	Dr	90	10	90	-----	90	-----	-----	-----	S,G	Pl	-----	-----	150	I	Dd 2 ft pumping at 150 gpm
21H3	Model Milk & Ice Cream Co.	-----do-----	1932	Dr	100	8	100	P	100	P	-----	-----	S,G	Pl	-----	-----	150	I	Dd 2 ft pumping at 150 gpm
21H4	-----do-----	-----do-----	1939	Dr	103	8	103	P	103	P	-----	-----	S,G	Pl	-----	-----	150	I	Do
21J1	Deming Hotel	-----do-----	1930	Dr	110	8	110	P	110	P	50	60	S,G	Pl	U	50	125	N	Dd 6 ft pumping at 125 gpm
21J2	-----do-----	Sutherland Bros.	1952	Dr	87	8	87	S	87	S	-----	-----	S,G	Pl	-----	-----	300	I,A	Dd 6 ft pumping at 125 gpm
21J3	Kay Bee Store	L. Adkins	1943	Dr	114	6	114	S	114	S	55	44	S,G	Pl	U	55	400	A	L. Screen, 7.5 ft La. Screen, 15 ft of 10-in dia
21J4	Indiana State Teachers College	Sutherland Bros.	1-48	Dr	99	10	99	S	99	S	55	44	S,G	Pl	U	55	400	A	L. Screen, 7.5 ft La. Screen, 15 ft of 10-in dia
21J5	Hunter Laundry	W. H. Wood	1926	Dr	80	10	80	S	80	S	45	35	S,G	Pl	U	45	180	I	Screen, 20 ft of 10-in dia
21J6	Elks Club	-----do-----	1941	Dr	93	6	93	S	93	S	44	80	S,G	Pl	U	44	350	A,P	Screen, 20 ft of 6-in dia
21L1	Vlgs Ice Co.	-----do-----	1946	Dr	124	10	124	S	124	S	44	80	S,G	Pl	U	44	350	A,P	Screen, 20 ft of 6-in dia
21L2	-----do-----	-----do-----	1943	Dr	110	10	110	S	110	S	-----	-----	S,G	Pl	-----	-----	60	I	Screen, 20 ft of 10-in dia
21L3	-----do-----	-----do-----	495	Dr	110	8	110	S	110	S	-----	-----	S,G	Pl	-----	-----	60	I	Screen, 20 ft of 10-in dia
21M1	Eastern Motor Express Co.	-----do-----	1949	Dr	102	8	102	S	102	S	-----	-----	S,G	Pl	-----	-----	-----	I	A
21M2	-----do-----	M. O. Schrader	460	Dr	34	-----	34	-----	34	-----	-----	-----	S,G	Pl	-----	-----	50	L	L
21M3	Valentine Co.	W. H. Wood	1930	Dr	95	8	95	-----	95	-----	30	65	S,G	Pl	U	30	50	T	L
21N2	-----do-----	H. C. Full	1946	Dr	95	10	95	-----	95	-----	30	65	S,G	Pl	U	30	100	X	Dd 7 ft pumping at 300 gpm
21P1	The Wadley Co.	W. H. Wood	1926	Dr	131	12	131	P	131	P	51	80	S,G	Pl	U	51	300	X	Dd 16 ft pumping at 150 gpm
21P2	-----do-----	-----do-----	1931	Dr	131	12	131	S	131	S	51	80	S,G	Pl	U	51	150	N	Screen, 26 ft of 12-in dia, no. 100 slot; Dd 3 ft pumping at 500 gpm
21P3	-----do-----	-----do-----	5-44	Dr	92	12	92	S	92	S	51	41	S,G	Pl	U	51	500	I	Screen, 26 ft of 12-in dia, no. 100 slot; Dd 3 ft pumping at 500 gpm
21Q1	Frozen Fresh Foods, Inc.	-----do-----	500	Dr	83	4	83	-----	83	-----	38	45	S,G	Pl	U	38	-----	I	Screen, 15 ft of 10-in dia, no. 20 slot
21R1	Indiana Theatre	Andriot-Davidson	6- 4-38	Dr	112	10	112	S	112	S	40	72	S,G	Pl	U	40	200	A	Screen, 15 ft of 10-in dia, no. 20 slot
21R2	S. S. Kresge Co.	Andriot-Davidson	5-38	Dr	107	8	107	-----	107	-----	49	58	S,G	Pl	U	49	300	A	Screen, 15 ft of 8-in dia, 10 ft of no. 25 slot, Dd 5 ft of no. 40 slot, Dd 7 ft pumping 300 gpm
21R3	-----do-----	C. Sutherland	1-39	Dr	106	8	106	S	106	S	52	54	S,G	Pl	U	52	300	A	Screen, 15 ft of 8-in dia, 10 ft of no. 25 slot, Dd 5 ft of no. 40 slot, Dd 7 ft pumping 300 gpm
21W4	Carl Wolf Clothing Co.	W. H. Wood	1936	Dr	120	4	120	-----	120	-----	-----	-----	S,G	Pl	-----	-----	-----	A	A
22A1	Larrison Drug Store	Sutherland Bros.	5-48	Dr	153	6	153	-----	153	-----	30	23	S,G	Pl	U	30	-----	A	A
22A2	Weston Paper Co.	Layne-Northern Co., Inc.	4-29-51	Dr	116	-----	116	-----	116	-----	35	80	S,G	Pl	U	35	4220	T	L
22A3	-----do-----	-----do-----	6-24-51	Dr	115	38	115	Op	115	Op	35	80	S,G	Pl	U	35	4220	I	Screen, 23 ft of 18-in dia, no. 180 slot; Dd 11 ft pumping 1,020 kpm
22E1	Midland Bakeries	Moser	1935	Dr	104	8	104	-----	104	-----	18	86	S,G	Pl	U	18	-----	I	I
22F1	D. & H. Laundry	-----do-----	490	Dr	90	72	90	-----	90	-----	35	55	S,G	Pl	U	35	300	I	Screen, 15 ft of 4-in dia
22K1	Miller-Parrott Baking Co.	-----do-----	1945	Dr	85	4	85	S	85	S	-----	-----	S,G	Pl	-----	-----	-----	X	La
22M1	Rulman & Co.	Hayworth	500	Dr	46	6	46	-----	46	-----	35	11	S,G	Pl	U	35	-----	I	La
22M2	-----do-----	-----do-----	500	Dr	90	6	90	-----	90	-----	-----	-----	S,G	Pl	-----	-----	-----	I	La
22M3	Terre Haute House	W. H. Wood	1936	Dr	105	10	105	S	105	S	-----	-----	S,G	Pl	-----	-----	380	A	La
22N1	Streak & Shake	Sutherland Bros.	500	Dr	80	6	80	-----	80	-----	-----	-----	S,G	Pl	-----	-----	36	A	La
22N2	Tostie Shop	L. Adkins	7-49	Dr	80	6	80	-----	80	-----	50	50	S,G	Pl	U	50	-----	A	La. Screen, 10 ft of 6-in dia
22N3	Radio Station W. T. H. I.	Sutherland Bros.	500	Dr	80	7	80	P	80	P	35	25	S,G	Pl	U	35	40	A	L
23L1	R. Hildum	H. R. Knox	4-22-54	Dr	177	6	177	On	177	On	65	12	Sh,C	P	-----	-----	-----	N	L
25B1	R. Burnett	Ring & Son	12-55	Dr	77	6	77	P	77	P	46	2	SS	P	C	43	4	D	L, A
25B2	M. Hungerford	H. R. Knox	4-30-54	Dr	107	6	107	On	107	On	92	6	SS	P	L, A	-----	-----	L, A	L, A
25B3	R. Little	Smith Bros.	9-55	Dr	136	-----	136	On	136	On	77	19	LS	P	-----	-----	-----	D	L, A

Table 2. --Records of wells, Vigo County, Indiana--Continued

Well No.	Owner	Driller	Date completed	Altitude (feet)	Type of well	Depth of well below land surface (feet)	Diameter (inches)	Depth of casing (feet)	Finish	Depth to top (feet)	Thickness (feet)	Water-bearing zone		Yield (gpm)	Use	Remarks
												Material	Geologic age			
12/ 9W-2584	H. H. Harris	H. R. Knox	12- 4-54	520	Dr	107	7	68	Oh	96	7	SS	P	---	D	La
2585	F. S. Yenowine	Sutherland Bros.	7- 8-47	540	Dr	142	8	103	Oh	114	10	SS	P	5	D	L, A
2581	A. Corey	Ringo & Son	10-47	500	Dr	54	8	50	Oh	135	2	SS	P	25	D	L
2511	Thunderbird Construction Co.	L. D. Lockard	10-14-59	510	Dr	65	4	36	Oh	45	10	S, G	P1	1.5	D	L
2581	J. Truitt	L. Adkins	1948	495	Dr	32	---	32	P	---	---	S, G	P1	---	N	L
25Q1	R. J. Williams	Sutherland Bros.	8-22-48	535	Dr	90	7	63	P	54	9	S, G	P1	4	N	L; Well backfilled to 63 ft
25R1	H. R. Knox	H. R. Knox	5-26-41	570	Dr	158	---	---	Oh	106	20	SS	P	---	D	La
25R2	---do---	---do---	7-46	570	Dr	150	10	87	Oh	92	16	S	P	---	D	L
25R3	H. Juergens	L. Schell	1957	575	Dr	135	6	86	Oh	85	3	C	P	4	D	La
26A1	P. LeBron	L. Adkins	2-15-41	500	Dr	235	6	54	P	---	---	S, G	P1	---	D	L
26J1	Harrison Township School	---do---	11-17-44	500	Dr	175	6	92	Oh	---	---	---	P	---	D	L
27D1	Terre Haute Brewing Co.	W. H. Wood	1923	490	Dr	125	6	125	---	---	---	S, G	P1	600	N	La; Dd 16 ft pumping at 2,100 gpm
27D2	---do---	---do---	1940	490	Dr	120	10	120	---	---	---	S, G	P1	800	N	L; Screen, 16 ft of 8-in dia. no. 60 and 80 slot
27D3	---do---	---do---	1943	490	Dr	120	12	120	---	---	---	S, G	P1	1,400	N	L; Screen, 12 ft of 11-in dia. 2 ft no. 25 slot, 6 ft no. 40 slot and 4 ft no. 60 slot; Dd 7 ft after 3 hr pumping at 380 gpm
27D4	---do---	Kelly Well Co	12-47	490	Dr	119	37	30	Gp	48	71	S, G	P1	2,100	N	La; Dd 16 ft pumping at 2,100 gpm
27D5	---do---	W. H. Wood	5-51	480	Dr	124	16	124	P	---	---	S, G	P1	2,400	N	L; Dd 14 ft pumping at 1,500 gpm
27F1	Stran Steel Corp.	---do---	6-26-51	490	Dr	99	8	99	S	---	---	S, G	P1	135	I	L; Screen, 16 ft of 8-in dia. no. 60 and 80 slot
27R1	Chicago, Milwaukee, St. Paul and Pacific Railroad	---do---	4-10-36	500	Dr	86	12	86	S	36	50	S, G	P1	380	I	L; Screen, 12 ft of 11-in dia. 2 ft no. 25 slot, 6 ft no. 40 slot and 4 ft no. 60 slot; Dd 7 ft after 3 hr pumping at 380 gpm
28C1	Terre Haute Ice & Fuel Co.	---do---	1916	500	Dr	119	12	119	---	---	---	S, G	P1	---	N	La
28C2	---do---	---do---	1920	500	Dr	119	8	119	---	---	---	S, G	P1	650	N	La, A; Ashley (1899)
28C3	City of Terre Haute	---do---	1869(?)	460	Dr	1, 912	---	---	---	---	---	S, G	P1	---	P	L
28L1	Commercial Solvents Corp.	Layne-Northern Co., Inc	---	497	Dr	136	---	---	---	---	---	S, G	P1	---	T	La
28L2	---do---	---do---	---	472	Dr	105	42	---	---	---	---	S, G	P1	---	T	La
28L3	---do---	---do---	1946	496	Dr	131	18	---	Gp	82	78	S, G	P1	1,000	I	La; Screen, 30 ft of 18-in; Dd 11 ft after 8 hr pumping at 1,000 gpm
28L4	---do---	---do---	---	469	Dr	113	42	---	Gp	---	---	S, G	P1	1,500	I	La; Dd 22 ft after 8 hr pumping at 1,500 gpm
28L5	---do---	---do---	---	472	Dr	104	42	---	Gp	---	---	S, G	P1	1,500	I	La; Dd 19 ft after 24 hr pumping at 1,500 gpm
28L6	---do---	---do---	1941	493	Dr	130	14	130	S	50	80	S, G	P1	---	O	La, W; Observation well
28L7	---do---	---do---	1941	496	Dr	133	6	133	S	52	81	S, G	P1	---	O	La, W; Observation well
28P1	---do---	---do---	---	493	Dr	131	42	---	Gp	---	---	S, G	P1	1,270	I	La; Dd 16 ft after 8 hr pumping 1,270 gpm
32H1	Weston Paper & Manufacturing Co.	---do---	10-30-55	490	Dr	127	38	90	Gp	45	82	S, G	P1	2,000	I	La; Screen, 25 ft of 18-in dia. no. 105 slot; Dd 19 ft pumping at 2,000 gpm
32H2	---do---	---do---	10-18-55	490	Dr	130	6	---	---	---	---	S, G	P1	---	T	L
32E1	---do---	---do---	12-16-23	490	Dr	123	30	123	S	40	83	S, G	P1	2,250	I	La; Screen, 60 ft of 30-in dia
32E2	---do---	---do---	5-10-37	490	Dr	112	40	112	S	24	88	S, G	P1	750	N	La; Screen, 60 ft of 40-in dia

Table 2.--Records of wells, Vigo County, Indiana--Continued.

Well No.	Owner	Driller	Date completed	Altitude (feet)	Type of well	Depth of well below land surface (feet)	Diameter (inches)	Depth of casing (feet)	Plumb	Depth to top (feet)	Water-bearing zone				Yield (gpm)	Remarks
											Thickness (feet)	Material	Geologic age	Ground-water occurrence		
12/10W-14E3	J. Curley	L. Adkins	10-4-48	570	Dr	16		16	P	13	G	Pl			La	
15A1	R. Coward	do	1947	570	Dr	275		65	P, Oh	41	C	P			N	L, Well dry 9-19-59
15K1	L. Fields	H. R. Knox	8-42	515	Dr	177	5	126	P, Oh	156	C	Pl			D	L
25F1	A. Bays	L. Adkins	6-50	540	Dr	35	8	35	P		S, G	Pl		1400	N	L
26G1	Indiana Mushroom Corp.	H. R. Knox	8-14-48	470	Dr	260	7	80	Oh	61	C	P			Og	F. B. Cline 8; L. (partial)
28K1	F. Lorey	do	11-14-52	512	Dr	1,059					S, G	Pl			Og	F. B. Cline 10; L. (partial)
28N1	J. Crews	M. O. Schrader	9-16-57	490	Dr	1,849				277	Ss	P			Og	F. B. Cline 3; L. (partial)
28Q1	S. Carpenter	do	9-13-54	487	Dr	1,849				277	Ss	P			Og	Do
33B1	J. Crews	do	9-20-50	490	Dr	1,854				277	Ss	P			Og	F. B. Cline 2; La
33C1	P. Hughes	do	4-54	492	Dr	1,835				18	S	Pl			Og	L, A, Dd 65 ft bailing at 5 gpm
33C2	do	Sutherland Bros.	12-6-51	488	Dr	1,837	6	87	P	78	S, G	Pl			P	L, A, Dd 55 ft bailing at 5 gpm
33P1	J. Syndeker	do	1948	560	Dr	87		87	P	29	S	Pl			D	L
34H1	Mr. Green	do	2-21-47	500	Dr	57	7	51	P	29	S	Pl			D	L
34K1	W. Scott	L. Schell	1957	530	Dr	123	6	57	Oh	89	C	P			D	L, A
13/7W-6E1	L. Shaw	Campbell Bros.	3-52	570	Dr	165	6	65	Oh	71	C	P		3	D, S	L, A
7J1	W. Brettail	Ringo & Son	9-31	555	Dr	80	6	50	Oh	71	Sd-sh, Ss	P		1.5	D, S	L, A
7K1	V. Lowmans	M. O. Schrader	9-22-53	600	Dr	130	5	81	Oh		Ss	P		2	D	L, A
17H1	E. F. Carter	Campbell Bros.	5-11-56	620	Dr	281	6	229	Oh	228	Ss	P		13	D, S	L, A; Dd 131 ft bailing at 13 gpm
18P1	H. Kessel	Ringo & Son	8-22-57	600	Dr	80	6	80	S	68	S, G	Pl		20	D, S	L, A; Screen, 7 ft of 5-in dia; Dd 3 ft pumping at 20 gpm
19J1	R. Nance	do	5-50	600	Dr	85	6	66	Oh	74.5	C, F	P		4.5	S	La
19K2	do	do	4-54	605	Dr	73	6	46	Oh	70	C, F	P		3	D	L, A
20N1	J. Hoffman	do	8-54	610	Dr	77	6	46	P, Oh	46	C, F	Pl		3	D	L, A
20P1	R. Walding	do	8-53	610	Dr	93	6	71	Oh	83	Ss	P		3	D	L, A
20Q1	Inland Coal Co.	do	1918	580	Dr	226				177	Ss	P		3	D	L, A
20R1	F. Underwood	C. Ringo & Son	9-54	610	Dr	101	6	100	Oh	100	S, G	Pl		10	D, S	L, A
30K1	Otter Creek Church	do	1-57	605	Dr	200	6	117	Oh		S, G	P		8	D, S	L, A
31A1	E. Revotzney	do	4-54	595	Dr	153	6	90	Oh		S, G	P		9	D	L, A
31B1	D. C. McNeely	do	9-12-47	600	Dr	53	6	53	Oh	52.5	S, G	Pl		10	S	L, A
31H1	H. Nevins	do	6-51	595	Dr	82	4	82	P	73	S, G	Pl		15	D, S	L, A; Dd 35 ft pumping at 15 gpm
31R1	T. Farris	do	3-1-48	610	Dr	122	8	98	Oh	97	S, G	Pl		7	D	L, A
32B1	G. Morey	do	4-57	605	Dr	315	6	140	Oh	233	Ss	P		15	D, S	L, A; Dd 75 ft pumping at 15 gpm
32M1	E. Weaver	do	2-20-54	620	Dr	108	6	108	P	92	S, G	Pl		15	D, S	L, A
13/8W-1Q1	I. M. Gibbs	do	8-13-55	587	Dr	1,622				21	S	Pl		4	Og	P. A. Wilkey 1; L. (partial)
3B1	W. W. Ross	Ringo & Son	3-30-50	540	Dr	31	6	31	P	103	Ss	P		20	Og	National Consumers Oil Co. 1; La
3M1	H. Ross	L. Adkins	4-54	530	Dr	90	12	90	5	10	Ss, S, G	Pl		1000	Ir	L; Screen, 25 ft of 12-in dia; Dd 12 ft pumping at 1,000 gpm
5A1	D. C. Seaman	do	3-6-46	600	Dr	170	6	170	P	145	S, G	Pl			D	L
5B1	L. Pendergast	do	3-21-46	610	Dr	176	6	176	P	161	G	Pl			D, S	L
5M1	C. Forrum	W. Laughlin	4-22-52	600	Dr	92	6	92	Oh	91	S, G	Pl		5	D, S	L
7D1	P. Jeffers	L. Adkins	4-49	580	Dr	142	6	142	Oh	137	S, G	Pl			D	L
11E1	J. Hartman	do	10-15-47	545	Dr	38	6	38	P		S	Pl			D	La
12D1	A. North	do	1-17-50	586	Dr	1,474					S	Pl			Og	J. Lauer & O. L. Keeler 1; La
13A1	Fontana High School	C. Ringo	1928	600	Dr	450	6	250	Oh			P			P	L
13A2	C. Hamilton	Ringo & Son	12-56	600	Dr	32	6	32	P	28	S, G	Pl		5	D	L, A

Table 2. --Records of wells, Vigo County, Indiana--Continued

Well No.	Owner	Driller	Date completed	Altitude (feet)	Type of well	Depth of well below land surface (feet)	Diameter (inches)	Depth of casing (feet)	Finish	Water-bearing zone					Water level (feet)	Yield (gpm)	Remarks
										Depth to top (feet)	Thickness (feet)	Material	Geologic age	Ground-water occurrence			
13/ 9W-10G1	Indiana Department of Conservation	Indiana Department of Conservation		460	Dr	42											
10N1	do	do		460	Dr	48											
11J1	J. Dennis	L. Adkins	8-49	520	Dr	82		82	P								
12D1	G. Music	Smith Bros.	11-4-59	510	J	65	2	65	S								
13N1	E. Deilich	do	1956	505	J	63	2 1/2	63	S								
13N2	G. Petit	do	8-5-59	510	J	70	2 1/2	70	S								
14K1	J. Gambill	L. Adkins	5-50	525	Dr	82		82	P								
16G1	Indiana Department of Conservation	Indiana Department of Conservation		470	Dr	54											
16P1	do	do		460	Dr	24											
16P2	do	do		450	Dr	23											
17C1	Indiana Department of Conservation	Indiana Department of Conservation		600	Dr	57											
17E1	do	do		590	Dr	70											
17M1	do	do		625	Dr	58											
17N1	do	do		600	Dr	57											
17P1	do	do		570	Dr	52											
18B1	Indiana Department of Conservation	Indiana Department of Conservation		629	Dr	54											
18C1	do	do		620	Dr	43											
18D1	M. Rowe	L. Adkins	8-7-41	630	Dr	280	8	73	Oh								
18E1	Texaco Station	Sutherland Bros.	12-47	620	Dr	135	5	45	Oh								
18G1	do	do		613	Dr	96											
18K1	Indiana Department of Conservation	Indiana Department of Conservation		590	Dr	57											
18K2	do	do		600	Dr	29											
18R1	do	do		590	Dr	60											
18R2	Indiana Department of Conservation	Indiana Department of Conservation		580	Dr	42											
19A1	do	do		575	Dr	31											
20B1	do	do		580	Dr	55											
20K1	Snow Hill Coal Co.	H. R. Knox	5-44	530	Dr	385	10	28	Oh								
20W1	Talley Coal Mining Co.	J. C. Howes & Son	10-5-52	588	Dr	1,987											
22P1	Saxton Mine	C. E. Crick		472	Dr	226											
23A1	J. Adams	F. E. Larrabee	9-23-59	505	J	65	2	65	S								
23R1	D. Gerrish	Ringo & Son	1949	500	Dr	60	6	60	P								
24D1	G. Tinko	Smith Bros.	1956	505	J	62	2 1/2	62	S								
24L1	E. L. Toby	McDaniel & Sons	7-23-59	505	J	59	2	59	S								
24M1	D. Mergo	Smith Bros.	5-2-58	505	J	63	2 1/2	63	S								
24N2	G. Dirker	McDaniel & Sons	7-21-59	505	J	59	2	59	S								
24N3	W. R. Adams	Smith Bros.	8-21-59	500	J	58	2 1/2	58	S								
24P1	P. Lemont	do	8-10-59	510	J	53	2 1/2	53	S								
24P2	do	do	8-20-59	510	J	63	2 1/2	63	S								
24P3	do	do	8-28-59	510	J	83	2 1/2	83	S								

13/ 3W-24PA	P. Lemont	Smith Bros.	53	2 1/2	53	42	11	S,G	PI	U	42	15	D	Screen, 3 ft of 2 1/2-in dia, no. 25 slot
25B1	F. Creal	L. Adkins	112	12	112	49	63	S,G	PI	U	49	1050	Ir	Screen, 25 ft of 12-in dia, 10 ft no. 50 slot, 15 ft no. 80 slot; Dd 23 ft after 4 hr pumping at 1,050 gpm
25L1	W. Cain	Smith Bros.	59	4	59	25	34	S,G	PI	U	25	34	D	L. A.; Screen, 2 ft of 4-in dia, no. 60 slot
25Q1	C. E. & E. L. Wagner		63	2 1/2	63	30	33	S,G	PI	U	30	20	OG	K. Kuhn 1; L. (partial) Screen, 2.5 ft of 2 1/2-in dia, no. 30 slot
26H1	A. Sweeting	Smith Bros.	65	2 1/2	65	36	29	S,G	PI	U	36	20	D	La; Screen, 2 ft of 2 1/2-in dia, no. 30 slot; Dd 3 ft pumping at 20 gpm
26J1	Mr. Short		55	2	55	25	30	S,G	PI	U	25	15	D	Screen, 3.5 ft of 1 1/2-in dia, no. 25 slot
26R1	R. Bryant		238										T	L. R. E. Stouder & T. Cooke 1;
27B1	Saxton Mine	J. Unger	1,630					S,G	PI				OG	L. (partial)
27F1	F. Webb & J. Dunlap		93	6	93	54	39	S,G	PI	U	54		I, A	L.; Screen, 6 ft of 6-in dia
27J1	Radio Station W.T.H.I.	Sutherland Bros.	469	2	469	56	24	S,G	PI	U	56	15	T	L.; Screen, 3.5 ft of 1 1/2-in dia, no. 25 slot
27K1	Saxton Mine	W. Z. Smith	150	2	150	62	101	S,G	PI	U	62		T	L.
27L1	W. Z. Smith	Smith Bros.	80	2	80	52	90	S,G	PI	U	52		T	L.
27P1	S. Cambo		164	6	164	53	1	S	PI	C	38	2	T	L.
27Q1	Old Trails Realty Co.	Layne-Northern Co., Inc.	143	6	143	60	60	S	PI	(W)	60	10	D	L. A
27R1	Saxton Mine		250	6	250	64	64	P	PI				T	L.
28A1	Saxton Mine	W. Z. Smith	75	6	75	75	75	P	PI				T	L.
28G1	W. L. Butler	V. Eaton	296	2	296								T	L.
29E1	E. Vermuelen	L. Schell	342	2	342								T	L.
29F1	Saxton Mine	Johnson Drilling Co.	125		125								De	L.
30H1			107		107			S	PI				La, A;	"Dry hole"
31A1	I. Marks	L. Adkins	370		370								La, A;	Well backfilled with gravel
31C1			209		209								T	L.
31C2			318		318								T	L.
31R1	Saxton Mine	Johnson Drilling Co.	173		173								De	L.
32H1	K. F. Steiger	L. Adkins	335		335								T	L.
32M1	Saxton Mine		165	6	165								T	L.
32R1		W. H. Wood	169		169								T	L.
32S1			132	6	132	15	16	Sh	P	U	15	1	T	La
32T1	Viking Mine	W. H. Wood	133		133								T	L.
32U1	Saxton Mine	Johnson Drilling Co.	192		192								T	L.
32V1			176		176								T	L.
32W1		A. H. Brockschmidt	170	2	170								T	L.
32X1		W. Z. Smith	138	6	138	41	87	S,G	PI	U	41		T	L.
33A1	Anacanda Aluminum Co.	Sutherland Bros.	138	6	138	48	90	S,G	PI	U	48		T	L.
34A2			100	12	100	50	88	S,G	PI	U	50	590	I	La A; Screen, 20 ft of 12-in dia, 11 ft of no. 30 slot, 4 ft of no. 60 slot, 5 ft of no. 125 slot; Dd 12 ft after 8 hr pumping at 590 gpm; Well pulled back to 100 ft
34A3			100	12	100								I	La A; Screen, 20 ft of 12-in dia, 10 ft of no. 30 slot, 2 ft of no. 60 slot, 8 ft of no. 8 slot; Dd 12 ft after 8 hr pumping at 580 gpm; Well pulled back to 100 ft
34A4			138	12	138	50	88	S,G	PI	U	50	580	I	La A; Screen, 20 ft of 12-in dia, 10 ft of no. 30 slot, 2 ft of no. 60 slot, 8 ft of no. 8 slot; Dd 12 ft after 8 hr pumping at 580 gpm; Well pulled back to 100 ft
34A5			124	6	124	58	66	S,G	PI	U	58		T	La
34A6			141	6	141	60	80	S,G	PI	U	60		T	La
34A7			140	6	140	79	60	S,G	PI	U	60		T	La
34A8			133	12	133	48	85	S,G	PI	U	48	510	I	La A; Screen, 20 ft of 12-in dia, 7 ft of no. 40 slot, 9 ft of no. 80 slot, 4 ft of no. 15 slot; Dd 9 ft after 8 hr pumping at 510 gpm; Well pulled back to 100 ft

Table 2. --Records of wells, Vigo County, Indiana--Continued

Well No.	Owner	Driller	Date completed	Altitude (feet)	Type of well	Depth of well below land-surface (feet)	Diameter (inches)	Depth of casing (feet)	Finish	Water-bearing zone						Remarks		
										Depth to top (feet)	Thickness (feet)	Material	Geologic age	Ground-water occurrence	Water level (feet)		Yield (gpm)	Use
13/ 9W-34A9	Anacanda Aluminum Co.	Sutherland Bros.	10-24-55	509	Dr	138	6	---	---	50	88	S.G.	PI	U	50	---	T	La
34A10	---do---	---	10-53	510	Dr	139	6	---	---	60	84	S.G.	PI	U	55	---	L	L
34C1	Spelterville Develop-ment Co.	---	9-10-23	520	Dr	232	10	174	S	62	112	S.G.	PI	U	62	300	N	L; Screen, 20 ft of 10-in dia
34C2	---	---	1923	520	Dr	250	10	174	S	62	112	S.G.	PI	U	62	600	N	La; Screen, 40 ft of 10-in dia
34C3	---	---	8-24-23	520	Dr	255	10	174	S	62	112	S.G.	PI	U	62	650	N	Do
34C4	---	---	8-16-23	520	Dr	266	10	174	S	62	112	S.G.	PI	U	62	650	N	Do
34C5	---	---	1934	518	Dr	101	6	101 P	S	61	40	S.G.	PI	U	61	---	O	Observation well Vigo 4; W
34G1	Meyer's Homes	Smith Bros.	---	575	J	84	2 1/2	84	S	---	---	S.G.	PI	---	---	---	D	Screen, 2.5 ft of 2 1/2-in dia, no. 60 slot
34J1	Allis Chalmers Mfg. Co.	Diehl Pump Co.	5-32	510	Dr	100	12	100	S	48	52	S.G.	PI	U	48	510	I	Dd 3 ft after 24 hr pumping at 510 gpm
34J2	---	---	10-52	515	Dr	100	12	100	S	55	45	S.G.	PI	U	55	715	I	Screen, 30 ft of 12-in dia, 10 ft of no. 20 slot, 10 ft of no. 80 slot, 10 ft of no. 100 slot; Dd 4 ft after 24 hr pumping at 715 gpm
34M1	Saxton Mine	---	---	493	Dr	262	---	---	---	---	---	---	---	---	---	---	---	L
34Q1	James Coal Co.	Sutherland Bros.	3-12-47	520	Dr	80	5	80	P	54	26	S.G.	PI	U	54	---	I	L
34R1	Allis Chalmers Mfg. Co.	Diehl Pump Co.	10-52	515	Dr	100	12	98	S	50	48	S.G.	PI	U	50	760	I	L
35A1	M. Fischer	Smith Bros.	12-57	495	J	49	2	49	S	---	---	S.G.	PI	---	---	15	P	L, A; Screen, 3 ft of 1 1/2-in dia, no. 25 slot
35E1	R. Reynolds	---	8-9-59	500	J	44	2	44	S	15	29	S.G.	PI	U	15	20	D	Screen, 3.5 ft of 1 1/2-in dia, no. 25 slot
35H1	Paul Roberts Tavern	L. Adkins	5-48	490	Dr	47	6	47	P	---	---	S.G.	PI	---	---	---	P	L
35J1	General Telephone Co.	Smith Bros.	1-58	490	Dr	75	4	75	S	18	57	S.G.	PI	U	18	10	A	L; Screen, 6 ft of 4-in dia, of no. 14 slot; Dd 3 ft pumping at 10 gpm
35J2	J. J. Moser	V. Eaton	7-15-59	485	Dr	60	6	60	S	17	43	S.G.	PI	U	17	---	I	L, A; Screen, 10 ft of 6-in dia, no. 80 slot
35L1	R. Trout	Smith Bros.	9-10-59	490	J	44	2 1/2	44	S	23	21	S.G.	PI	U	23	15	D	Screen, 2.5 ft of 2 1/2-in dia, no. 25 slot
35Q1	J. Phillips	---	10-23-59	490	J	50	2	50	S	25	25	S.G.	PI	U	25	15	D	Screen, 2.5 ft of 2 1/2-in dia, no. 25 slot
35R1	J. L. Robinson	---	---	490	Dr	40	2 1/2	40	S	25	25	S.G.	PI	U	25	---	D	L, A; Screen, no. 60 slot
35R2	W. Knopp	---	8-3-59	490	J	42	2	42	S	20	22	S.G.	PI	U	20	15	D	Screen, 3.5 ft of 1 1/2-in dia, no. 25 slot
36F1	P. Calvert	---	1958	490	J	42	2 1/2	42	S	25	17	S.G.	PI	U	25	---	D	La, A; Screen, no. 60 slot
36F2	G. Dean	---	1-3-60	480	J	45	2	45	S	25	20	S.G.	PI	U	25	15	D	Screen, 3.5 ft of 1 1/2-in dia, no. 25 slot
36F3	W. B. Randolph	---	9-1-59	490	J	44	2	44	S	20	24	S.G.	PI	U	20	15	D	A; Screen, 3.5 ft of 1 1/2-in dia, no. 25 slot
36G1	F. Weaver	---	---	490	Dn	40	2	40	S	---	---	S.G.	PI	---	---	---	D	A
36G2	T. Vanderwiever	Smith Bros.	11-2-59	495	J	48	2 1/2	48	S	25	23	S.G.	PI	U	25	20	D	Screen, 3 ft of 2 1/2-in dia, no. 30 slot
36J1	E. Sturm	L. Schell	---	500	Dn	87	6	37	Oh	87	---	C	P	C	25	10	D	La, A
36J2	F. Wassell	---	---	490	Dn	100	8	20	Oh	---	---	P	P	P	---	---	D	Lam
36J3	P. Adair	---	1-55	490	Dr	83	6	24	Oh	---	---	C	P	C	25	2.5	D	Lam
36J4	E. Herb	---	---	495	Dr	87	8	22	Oh	85	---	C	P	C	25	---	D	Lam
36J5	J. Redman	---	1957	500	Dr	75	6	31	Oh	---	---	C	P	C	25	10	D	La, A
36K1	R. Gogman	---	---	500	Dn	60	2 1/2	60	S	25	35	S.G.	PI	U	25	18	D	A; Screen, no. 30 slot
36K2	R. Cain	---	1-6-58	500	J	49	2	49	S	22	27	S.G.	PI	U	22	15	D	L; Screen, 3 ft of 1 1/2-in dia, no. 10 slot
36K3	E. Denny	---	8-27-59	495	J	44	2	44	S	20	24	S.G.	PI	U	20	11	D	Screen, 3.5 ft of 1 1/2-in dia, no. 25 slot

13/ 9W-36K4	A. Lueckel	Smith Bros.	8-17-59	495	J	44	2	44	5	20	24	S.G	PI	U	20	11	D	Screen, 3.5 ft of 1 1/4-in dia, no. 12 slot Lam: Screen, 8 ft of 6-in dia, no. 80 slot
36M1	North Terre Haute Volunteer Fire Department	L. Schell	3-58	490	Dr	50	6	50	S	15	35	S.G	PI	U	15	50	P	
36M2	-----do-----	-----do-----	1958	490	Dr	105	6	105	S	20	24	S.G	PI	U	20	15	De	Screen, 2.5 ft of 2 1/4-in dia, no. 30 slot
36M3	N. Remington	Smith Bros.	8-10-59	490	J	44	2 1/2	44	S	168	7	Ss	P	U	5	5	D	Lam, A
36Q1	H. Jones	L. Schell	-----	500	Dr	175	8	20	Oh	110	8	Oh	P	U	26	15	D	Lam, A
36Q2	G. Floryo	-----do-----	1958	500	Dr	175	8	30	Oh	18	8	Oh	P	U	26	15	D	Lam, A
36Q3	C. Smith	-----do-----	1958	500	Dr	178	8	18	Oh	48	2	S	PI	U	26	15	D	Screen, 3.5 ft of 1 1/4-in dia, no. 25 slot
36Q4	M. C. Sieben	Smith Bros.	10-15-59	500	J	48	2	48	S	-----	-----	-----	-----	-----	-----	-----	-----	-----
13/10W- 1D1	G. W. Acord	W. L. Dillier & D. E. Klierim	10-13-53	648	Dr	1,857	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
11R1	Mr. Sparks	Indiana Department of Conservation	1958	640	Dr	380	6	120	Oh	160	220	Ss	P	U	17	1.5	D	The Pure Oil Co. 1; L (partial)
11R2	Indiana Department of Conservation	F. E. Larrabee Conservation	-----	640	Dr	39	-----	-----	-----	18	5	Sd-s1	PI	U	-----	-----	-----	-----
12J1	-----do-----	-----do-----	-----	630	Dr	58	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
12R1	New Goshen School	M. O. Schrader	4-28-55	633	Dr	273	5	138	Oh	-----	-----	-----	-----	-----	-----	-----	-----	-----
12R2	Indiana Department of Conservation	Indiana Department of Conservation	-----	640	Dr	54	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
24N1	C. Ray	Y. Eaton	7-2-55	620	Dr	86	6	75	P, Oh	15	3	S	PI	U	17	1.5	D	L, A
										28	5	S, G	PI	C	59			
											2	S	PI					

Table 3.--Selected well logs, Vigo County, Indiana

Remarks: T.D., total depth in feet, complete log
or sample log not given; W.B., water bearing.

Well 10/8W- 1C1

Type of record: Driller's log. Altitude: About 580 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	18	18	
Hardpan, gray-----	50	68	
Sand and gravel-----	2	70	
Wash, gray-----	10	80	
Pennsylvanian system:			
Middle series:			
Slate, black-----	3	83	
Coal-----	1	84	
Fire clay (?)-----	2	86	
Shale, light-blue-----	8	94	
Shale, gray-----	6	100	
Shale, sandy, gray-----	20	120	
Sandstone, gray-----	57	177	W.B.

Well 10/8W- 2K1

Type of record: Driller's log. Altitude: About 560 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	19	19	
Shale, gravelly-----	3	22	Gravelly clay (?)
Pennsylvanian system:			
Middle series:			
Slate, black-----	1.5	23.5	
Coal-----	1.5	25	
Fire clay-----	1	26	
Shale, brown-----	8	34	
Shale, gray-----	65	99	
Sandstone-----	3	102	
Shale, hard, dark-gray-----	7	109	
Sandstone-----	29	138	
Shale, hard, dark-gray-----	3	141	
Sandstone-----	46	187	W.B.
Shale, gray-----	7	194	

Well 10/8W- 2N1

Type of record: Driller's log. Altitude: About 570 feet.

Quaternary system:			
Recent and Pleistocene series:			
Top soil-----	13	13	
Sand-----	14	27	
Sand and gravel-----	32	59	
Mud, brown-----	7	66	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W- 2N1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	4	70	
Sandstone-----	39	109	
Shale, gray-----	6	115	
Slate-----	6	121	
Fire clay-----	3	124	
Shale, gray-----	14	138	
Shale, sandy-----	17	155	
Sandstone-----	45	200	W.B.

Well 10/8W- 3C1

Type of record: Driller's log.		Altitude: About 580 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	19	19	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	25	44	
Coal and slate-----	5	49	
Fire clay-----	2	51	
Shale, light-----	3	54	
Sandstone-----	8	62	
Shale and some sandy shale---	58	120	
Sandstone-----	50	170	W.B.

Well 10/8W- 3R1

Type of record: Driller's log.		Altitude: About 555 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface, sandy-----	14	14	
Gravel and sand-----	23	37	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	7	44	
Slate, black-----	3.5	47.5	
Coal, soft-----	2	49.5	
Fire clay-----	12	61.5	
Sandstone, white-----	47.5	109	W.B.
Shale-----	6	115	

Well 10/8W- 4A1

Type of record: Driller's log.		Altitude: About 600 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Top soil-----	18	18	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W- 4F1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, gray-----	13	95	
Sandstone-----	65	160	
Shale, dark-----	10	170	
Sandstone-----	74	244	W.B.
Shale, dark-----	10	254	

Well 10/8W- 4J1

Type of record: Driller's log. Altitude: About 595 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	15	15	
Pennsylvanian system:			
Middle series:			
Sandstone-----	4	19	
Coal-----	4	23	
Fire clay-----	2	25	
Shale, gray-----	51	76	
Slate, black-----	5	81	
Coal-----	2	83	
Fire clay-----	2	85	
Shale-----	4	89	
Sandstone and sandy shale, white-	58	147	
Shale, dark-----	7.5	154.5	
Slate, black-----	4	158.5	
Coal-----	1.5	160	
Fire clay-----	2	162	
Sandstone, white-----	8	170	
Shale, sandy, gray-----	10	180	
Sandstone, white-----	40	220	W.B.

Well 10/8W- 4M2

Type of record: Driller's log. Altitude: About 600 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	13	13	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	8	21	
Limestone (?)-----	3.5	24.5	
Sandstone-----	2	26.5	
Shale-----	6	32.5	
Limestone-----	4	36.5	
Shale-----	1	37.5	
Slate-----	2	39.5	
Coal-----	2	41.5	
Fire clay-----	4	45.5	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W- 5B1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, hard-----	2.5	73.5	
Limestone-----	5.5	79	
Shale, gray-----	9	88	
Limestone-----	1.5	89.5	
Slate, black-----	3	92.5	
Coal-----	1.5	94	
Fire clay-----	3.5	97.5	
Sandstone-----	1.5	99	
Shale, gray-----	55	154	
Slate, black-----	4	158	
Coal-----	1	159	
Fire clay-----	3	162	
Shale, gray-----	9	171	
Sandstone-----	4	175	
Shale, sandy, white-----	15	190	
Shale, dark-----	6	196	
Sandstone, gray-----	11	207	
Shale, solid, dark-----	13	220	
Slate, black-----	6	226	
Shale, gray-----	3	229	
Sandstone-----	8	237	
Shale, gray-----	16	253	
Sandstone, white-----	48	301	W.B.

Well 10/8W- 5M2			
Type of record: Driller's log.	Altitude: About 580 feet.		
Quaternary system:			
Recent and Pleistocene series:			
Soil and clay-----	12	12	
Hardpan, solid, yellow-----	5	17	
Hardpan, sandy, soft, yellow-----	1	18	W.B.
Hardpan, gray, and boulders-----	2	20	
Mud, soft, yellow and brown-----	18	38	
Pennsylvanian system:			
Middle series:			
Shale, solid, muddy, dark-----	7	45	W.B.
Slate, solid, muddy, gray-----	26	71	W.B.
Coal and fire clay, soft-----	4	75	
Limestone, hard-----	6	81	
Slate, solid, gray-----	9	90	
Limestone, sandy, hard-----	1	91	
Limestone, sandy, solid-----	5	96	
Slate, black-----	2	98	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W- 6D1

Type of record: Driller's log.

Altitude: About 560 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	16	16	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	53	69	
Shale, dark-----	2	71	
Coal-----	2	73	
Fire clay-----	2	75	
Sandstone, gray-----	3.5	78.5	
Shale, sandy-----	5.5	84	
Sandstone, gray-----	7	91	
Slate, black-----	3	94	
Coal-----	2.5	96.5	
Fire clay-----	4.5	101	
Sandstone, gray-----	9	110	
Shale, gray-----	6	116	
Shale, blue-----	11	127	
Shale, sandy, gray-----	4	131	
Shale, gray-----	22	153	
Slate, black-----	3	156	
Coal-----	2	158	
Fire clay-----	4	162	
Sandstone, gray-----	6	168	
Shale, gray-----	11	179	
Sandstone, gray-----	4	183	
Shale, gray-----	10	193	
Sandstone, gray-----	42	235	
Shale, gray-----	4	239	
Sandstone, gray-----	9	248	
Shale, dark-----	3	251	
Sandstone, gray-----	16	267	
Shale, dark-----	1	268	
Coal-----	3	271	
Fire clay-----	2.5	273.5	
Shale, gray-----	2.5	276	

Well 10/8W- 6M1

Type of record: Driller's log.

Altitude: About 570 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	16	16	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	4	20	
Shale, blue-----	37	57	
Shale, gray-----	24	81	
Shale, dark-----	1.5	82.5	
Coal-----	2.5	85	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W- 6M1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Fire clay-----	2	87	
Limestone-----	5	92	
Shale, gray-----	13	105	
Slate, black-----	5	110	
Coal-----	3.5	113.5	
Fire clay-----	3.5	117	
Sandstone, gray-----	6	123	
Shale, gray-----	8	131	
Shale, blue-----	27	158	
Shale, gray-----	16	174	
Slate, black-----	2	176	
Coal-----	2	178	
Shale, gray-----	8	186	
Sandstone, gray-----	9	195	
Shale, gray-----	5	200	
Shale, dark-----	8	208	
Sandstone, dark-----	3	211	
Shale, sandy-----	6	217	
Sandstone, gray-----	3	220	
Shale, gray-----	14	234	
Shale, sandy, gray-----	13	247	
Sandstone, gray-----	18	265	
Shale, gray-----	3	268	
Sandstone, gray-----	4	272	
Shale, gray-----	7	279	
Slate, black-----	2	281	
Shale, gray-----	12	293	
Sandstone, gray-----	13	306	

Well 10/8W- 6R1

Type of record: Driller's log.	Altitude: About 590 feet.		
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	24	24	
Shale-----	6	30	Clay (?)
Shale, gravelly-----	2	32	Clay, gravelly (?)
Pennsylvanian system:			
Middle series:			
Shale, dark-----	76	108	
Slate, black-----	2.5	110.5	
Coal-----	1.5	112	
Fire clay-----	1	113	
Limestone-----	5	118	
Shale, dark-----	7	125	
Sandstone-----	3	128	
Shale, dark-----	3	131	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W- 6R1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Limestone-----	5	136	
Slate, black-----	7	143	
Mine opening-----	5	148	
Bottoms-----	6	154	
Shale, dark-----	34	188	
Slate, black-----	3.5	191.5	
Coal-----	2.5	194	
Fire clay-----	3	197	
Shale-----	11	208	
Coal-----	.5	208.5	
Slate, gray-----	5	213.5	
Sandstone-----	14	227.5	
Shale, sandy-----	4	231.5	
Sandstone-----	12.5	244	
Shale, dark-----	16	260	
Slate, black-----	4.5	264.5	
Fire clay-----	4	268.5	
Shale, white-----	2.5	271	
Sandstone-----	2.5	273.5	
Shale, gray-----	45	318.5	
Sandstone-----	11.5	330	
Shale, sandy-----	6	336	

Well 10/8W- 7F1

Type of record: Driller's log.

Altitude: About 575 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	16	16	
Sand and gravel-----	4	20	
Hardpan-----	18	38	
Shale, gumbo-----	5	43	Clay (?)
Pennsylvanian system:			
Middle series:			
Slate, gray-----	73	116	
Coal-----	3	119	W.B.
Fire clay-----	1	120	
Limestone-----	5	125	
Shale, dark-----	4	129	
Limestone and sandstone, brown---	7	136	W.B.
Slate, black-----	11	147	
Limestone, black-----	3	150	
Slate, dark-----	1	151	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W- 7G1

Type of record: Driller's log.

Altitude: About 575 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	17	17	
Sand-----	5	22	
Pennsylvanian system:			
Middle series:			
Shale, blue-----	25	47	
Shale, gray-----	44	91	
Shale, dark-----	2	93	
Coal-----	2	95	
Fire clay-----	1	96	
Limestone-----	5	101	
Shale, gray-----	9	110	
Sandstone-----	3.5	113.5	
Shale, dark-----	6	119.5	
Slate-----	4	123.5	
Coal-----	3	126.5	
Fire clay-----	4.5	131	
Shale, gray-----	6	137	
Shale, dark-----	21	158	
Shale, gray-----	25	183	
Slate-----	1	184	
Steel band-----	1	185	
Slate, black-----	3.5	188.5	
Coal-----	3.5	192	
Fire clay-----	1.5	193.5	
Sandstone-----	7.5	201	
Shale, blue-----	9	210	
Sandstone, gray-----	15	225	
Shale, dark-----	1.5	226.5	
Sandstone-----	3.5	230	
Slate-----	3.5	233.5	
Sandstone-----	8.5	242	
Shale, gray-----	8	250	

Well 10/8W- 8P1

Type of record: Driller's log.

Altitude: About 610 feet.

Quaternary system:			
Recent and Pleistocene series:			
Drift-----	28	28	
Pennsylvanian system:			
Middle series:			
Shale, muddy, gray-----	93	121	
Coal and black shale-----	3	124	"Gas"
Limestone-----	6	130	
Shale, gray-----	4	134	
Limestone-----	3	137	
Shale, gray-----	8	145	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W- 9B1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale-----	3	49	
Limestone-----	4	53	
Shale-----	2	55	
Sandstone-----	7	62	
Shale, dark-----	4.5	66.5	
Limestone-----	4.5	71	
Slate, black-----	7.5	78.5	
Steel band-----	2	80.5	
Slate, gray-----	2.5	83	
Coal-----	5	88	
Fire clay-----	4	92	
Shale, gray-----	7	99	
Sandstone-----	3	102	
Shale, sandy, hard-----	9	111	
Slate, black-----	3	114	
Coal-----	1.5	115.5	
Fire clay-----	4.5	120	
Shale-----	5	125	
Sandstone-----	5	130	
Shale, gray-----	15	145	
Sandstone-----	10	155	
Shale, gray-----	3	158	
Sandstone-----	12	170	
Shale, dark-----	17	187	
Slate, black-----	2	189	
Coal-----	.5	189.5	
Fire clay-----	4.5	194	
Shale, sandy-----	30	224	

Well 10/8W- 9P1

Type of record: Driller's log.

Altitude: About 590 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	16	16	
Pennsylvanian system:			
Middle series:			
Shale, light-----	64	80	
Sandstone-----	7	87	
Shale, sandy-----	3	90	
Sandstone-----	8	98	
Limestone-----	8	106	
Slate-----	5	111	
Coal-----	5	116	
Fire clay-----	4	120	
Sandstone-----	5	125	
Shale, sandy-----	5	130	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W- 9P1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Sandstone-----	81	211	W.B.
Shale, brown-----	3	214	

Well 10/8W-10B1

Type of record: Driller's log. Altitude: About 580 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	17	17	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	8	25	
Shale, gray-----	8	33	
Coal and sandstone-----	2	35	
Shale-----	42	77	
Slate, black-----	5.5	82.5	
Coal-----	1	83.5	
Fire clay-----	8.5	92	
Sandstone-----	48	140	W.B.
Shale, dark-----	7	147	
Shale, gray-----	3	150	

Well 10/8W-10C1

Type of record: Driller's log. Altitude: About 570 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	30	30	
Coal-----	1	31	
Sand and gravel-----	19	50	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	37	87	
Slate, black-----	5	92	
Coal-----	2.5	94.5	
Fire clay-----	6.5	101	
Sandstone-----	39	140	W.B.
Shale, sandy, dark-----	10	150	

Well 10/8W-10C2

Type of record: Driller's log. Altitude: About 575 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface and sand-----	20	20	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	51	71	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-10C2--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Slate, black-----	5	76	
Coal-----	2	78	
Fire clay-----	7	85	
Sandstone-----	55	140	W.B.
Shale, sandy, dark-----	10	150	

Well 10/8W-10E1			
Type of record: Driller's log.		Altitude: About 570 feet.	
Quaternary system:			
Recent and Pleistocene (?) series:			
Surface-----	18	18	
Gravel-----	.5	18.5	
Shale, gray-----	11.5	30	Clay (?)
Shale, sandy-----	5	35	Sandy clay (?)
Shale, dark-----	5	40	Clay (?)
Shale, soft, gray-----	10	50	Soft clay (?)
Coal-----	2	52	
Gravel-----	3	55	
Pennsylvanian system:			
Middle (?) series:			
Shale, soft-----	28	83	
Slate, black-----	5	88	
Coal-----	2	90	
Fire clay-----	5	95	
Sandstone-----	41	136	W.B.
Slate, black-----	1	137	
Shale, dark-----	13	150	

Well 10/8W-11J1			
Type of record: Driller's log.		Altitude: About 550 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	17	17	
Shale, gravelly-----	3	20	Gravelly clay (?)
Shale, sandy-----	9	29	Sandy clay (?)
Clay, yellow-----	3	32	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	13	45	
Sandstone-----	27	72	
Coal-----	2	74	
Shale, dark-----	17	91	
Slate, black-----	5	96	
Fire clay-----	7	103	
Sandstone-----	6	109	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-13M1

Type of record: Driller's log. Altitude: About 560 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	25	25	
Pennsylvanian system:			
Middle series:			
Shale, blue-----	20	45	
Slate, black-----	3	48	
Shale, light-----	12	60	
Shale, sandy-----	6	66	
Sandstone-----	40	106	W.B.
Shale, blue-----	3	109	
Coal-----	1	110	
Fire clay-----	2	112	

Well 10/8W-14A1

Type of record: Driller's log. Altitude: About 550 feet.

Quaternary system			
Recent and Pleistocene series:			
Top soil-----	14	14	
Muck-----	4	18	
Gravel, trace-----	--	18	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	5	23	
Sandstone, gray-----	19	42	Trace of coal at 32 ft
Sandstone, off white-----	19	60	W.B.

Well 10/8W-15F1

Type of record: Driller's log. Altitude: About 580 feet.

Open well-----	18	18	
Pennsylvanian system:			
Middle series:			
Shale, light-----	8	26	
Shale, blue-----	61	87	
Rock, black-----	2	89	
Coal-----	5	94	
Fire clay-----	3	97	
Sandstone-----	53	150	W.B.

Well 10/8W-16H1

Type of record: Driller's log. Altitude: About 590 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	15	15	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-16H1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Sandstone-----	8	23	
Shale, gray-----	9	32	
Coal-----	1.5	33.5	
Fire clay-----	2.5	36	
Limestone-----	1.5	37.5	
Shale, gray-----	12.5	50	
Limestone-----	4.5	54.5	
Slate, black-----	3	57.5	
Coal-----	1.5	59	
Fire clay-----	2	61	
Shale, sandy, gray-----	10	71	
Sandstone and sandy shale, white-----	39	110	
Shale, dark-----	6	116	
Shale, gray-----	20	136	
Slate, black-----	5	141	
Coal-----	2.5	143.5	
Fire clay-----	1.5	145	
Shale, sandy, gray-----	7	152	
Sandstone, white-----	34.5	186.5	W.B.
Shale, gray-----	--	186.5	

Well 10/8W-16J1			
Type of record: Driller's log.	Altitude: About 600 feet.		
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	20	20	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	29	49	
Slate, black-----	1.5	50.5	
Coal-----	.5	51	
Fire clay-----	2	53	
Limestone-----	3	56	
Shale, sandy, gray-----	11	67	
Limestone-----	7.5	74.5	
Slate, black-----	3.5	78	
Coal-----	3	81	
Fire clay-----	1	82	
Shale, sandy, gray-----	36	118	
Shale, gray-----	30	148	
Slate, black-----	3	151	
Coal-----	1	152	
Fire clay-----	2	154	
Shale, sandy, gray-----	7	161	W.B.
Sandstone, white-----	43	204	W.B.
Slate, black-----	.5	204.5	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-16M1

Type of record: Driller's log. Altitude: About 590 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	17	17	
Sand and gravel-----	8	25	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	57	82	
Slate, black-----	1.5	83.5	
Coal-----	2	85.5	
Fire clay-----	2.5	88	
Limestone-----	1	89	
Shale, sandy-----	4	93	
Shale, light-gray-----	14	107	
Slate, black-----	1	108	
Fire clay-----	.5	108.5	
Limestone-----	4	112.5	
Slate, black-----	12.5	125	
Coal-----	4.5	129.5	
Bottoms, hard-----	4.5	134	
Sandstone-----	9	143	
Shale, gray-----	22	165	
Steel band-----	2.5	167.5	
Slate, black-----	2.5	170	
Coal-----	2.5	172.5	
Fire clay-----	1.5	174	
Sandstone-----	46	220	W.B.
Shale, gray-----	5	225	

Well 10/8W-18N1

Type of record: Driller's log. Altitude: About 605 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface and clay-----	16	16	
Pennsylvanian system:			
Middle series:			
Sandstone, red-----	14	30	W.B.
Sandstone, gray-----	28	58	W.B.
Shale, dark-----	14	72	
Coal-----	2	74	
Fire clay-----	4	78	
Shale, sandy-----	7	85	

Well 10/8W-19J1

Type of record: Driller's log. Altitude: About 620 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay and hardpan-----	18	18	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-19J1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, gray-----	32	50	
Shale, dark-----	51	101	
Coal-----	2	103	W.B.
Shale, dark-----	5	108	W.B.
Shale, sandy-----	9	117	
Limestone, hard-----	5	122	
Coal-----	6	128	
Shale, sandy-----	64	192	
Shale, gray-----	18	210	
Slate, dark-----	3	213	
Coal-----	5	218	
Fire clay-----	2	220	
Limestone, hard-----	2	222	
Shale, gray-----	6	228	

Well 10/8W-20E1

Type of record: Driller's log. Altitude: About 635 feet.

Open well-----	29	29	
Pennsylvanian system:			
Middle series:			
Shale, light-----	31	60	
Shale, gray-----	52	112	
Coal-----	3	115	
Limestone-----	5	120	
Shale, sandy-----	9	129	
Limestone-----	7	136	
Slate, black-----	6	142	
Shale, light-----	12	154	
Shale, sandy-----	8	162	
Shale, gray-----	60	222	
Shale, blue-----	3	225	
Slate, black-----	7	232	
Slate, gray-----	12	244	
Slate, black-----	3	247	
Shale, blue-----	4	251	
Sandstone-----	12	263	
Shale, blue-----	3	266	
Slate, gray-----	9	275	
Slate, black-----	7	282	
Fire clay-----	1	283	
Limestone-----	7	290	
Sandstone-----	3	293	
Shale, blue-----	1	294	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-20E2

Type of record: Driller's log. Altitude: About 635 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	18	18	
Hardpan-----	4	22	
Pennsylvanian system:			
Middle series:			
Shale, light-----	8	30	
Shale, sandy-----	10	40	
Shale, gray-----	35	75	
Sandstone, light-----	5	80	W.B.
Shale, dark-----	25	105	

Well 10/8W-20N1

Type of record: Driller's log. Altitude: About 635 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay and hardpan-----	25	25	
Pennsylvanian system:			
Middle series:			
Coal-----	2	27	
Shale, soft, gray-----	8	35	
Limestone-----	3	38	
Shale, sandy-----	52	90	W.B.
Slate, gray-----	28	118	
Coal-----	2	120	
Shale, sandy-----	11	131	W.B.
Limestone, hard-----	1	132	

Well 10/8W-21A1

Type of record: Driller's log. Altitude: About 595 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	19	19	
Pennsylvanian system:			
Middle series:			
Sandstone, red-----	3	22	
Shale, gray-----	21	43	
Slate, black-----	1	44	
Fire clay-----	3	47	
Shale, gray-----	11	58	
Shale, sandy-----	3	61	
Sandstone-----	4	65	
Shale, gray-----	2	67	
Limestone-----	6	73	
Slate, black-----	7.5	80.5	
Coal-----	4	84.5	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-24C1

Type of record: Driller's log.

Altitude: About 555 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	19	19	
Hardpan-----	8	27	
Pennsylvanian system:			
Middle series:			
Limestone, hard-----	3	30	
Shale, light-----	6	36	
Sandstone, white-----	14	50	W.B.
Sandstone, dark-----	7	57	
Shale, dark-----	7	64	
Sandstone-----	4	68	
Sandstone, light-----	6	74	W.B.
Coal-----	2	76	
Sandstone, dark-----	6	82	
Slate, blue-----	4	86	
Shale, light-----	9	95	
Limestone, hard-----	4	99	
Shale, dark-----	9	108	

Well 10/8W-25N1

Type of record: Driller's log.

Altitude: About 610 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay-----	18	18	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	72	90	
Shale, dark-----	5	95	
Slate, black-----	3	98	
Fire clay-----	5	103	
Shale, gray-----	9	112	
Sandstone-----	73	185	
Sandstone, white-----	9	194	W.B.

Well 10/8W-26R1

Type of record: Driller's log.

Altitude: About 620 feet.

Quaternary system:			
Recent and Pleistocene series:			
Top soil-----	17	17	
Pennsylvanian system:			
Middle series:			
Sandstone-----	18	35	
Shale, gray-----	34	69	
Shale, sandy-----	6	75	W.B.
Shale, gray-----	23	98	
Shale, black-----	6	104	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-26R1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Coal-----	3	107	
Shale, soft, gray-----	11	118	
Sandstone-----	32	150	
Shale, gray-----	26	176	
Sandstone-----	13	189	
Sandstone, white-----	21	210	W.B.

Well 10/8W-27R1			
Type of record: Driller's log.		Altitude: About 620 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	14	14	
Hardpan-----	12	26	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	8	34	
Shale, dark-----	62	96	
Coal-----	4	100	
Shale, dark-----	4	104	
Shale, sandy-----	4	108	
Limestone, hard-----	3	111	
Limestone, sandy-----	14	125	
Sandstone-----	44	169	W.B.

Well 10/8W-28A1			
Type of record: Driller's log.		Altitude: About 580 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	18	18	
Pennsylvanian system:			
Middle series:			
Shale, light-----	6	24	
Shale, blue-----	12	36	
Limestone-----	5	41	
Shale, blue-----	11	52	
Sandstone-----	15	67	
Shale, sandy, blue-----	38	105	
Shale, blue-----	25	130	
Slate, black-----	10	140	
Coal-----	3	143	
Fire clay-----	2	145	
Limestone-----	5	150	
Sandstone-----	45	195	W.B.

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-28C1

Type of record: Driller's log. Altitude: About 580 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	15	15	
Hardpan-----	13	28	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	5	33	
Slate, black-----	5	38	
Fire clay-----	2	40	
Shale, light-----	10	50	
Shale, dark-----	4	54	
Sandstone-----	3	57	
Shale, gray-----	3	60	
Shale, hard, dark-----	90	150	
Slate, black-----	5	155	
Coal-----	4	159	
Fire clay-----	2	161	
Limestone-----	9	170	
Sandstone-----	20	190	W.B.
Shale, sandy-----	15	205	

Well 10/8W-31F1

Type of record: Driller's log. Altitude: About 605 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	12	12	
Pennsylvanian system:			
Middle series:			
Sandstone, gray-----	33	45	
Shale-----	20	65	
Coal-----	4	69	
Fire clay-----	6	75	
Limestone-----	4	79	
Shale and sandstone-----	54	133	
Coal-----	3	136	
Sandstone and shale-----	29	165	
Coal-----	1	166	
Sandstone, shaly-----	99	265	T.D. 2,113 ft

Well 10/8W-31M1

Type of record: Driller's log. Altitude: About 583 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface and clay-----	16	16	
Hardpan-----	21	37	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-31M1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	17	54	
Shale, dark-----	16	70	
Coal-----	5	75	
Fire clay-----	4	79	
Shale, dark-----	6	85	
Limestone, hard-----	4	89	
Shale, dark-----	55	144	
Slate, gray-black, and coal-----	5	149	
Shale, gray-----	11	160	
Limestone, broken-----	10	170	
Limestone, hard-----	5	175	
Coal-----	1	176	
Fire clay-----	4	180	
Shale, gray-----	12	192	
Shale, dark-----	80	272	
Slate, black-----	5	277	
Coal-----	3	280	
Fire clay-----	5	285	
Shale, sandy-----	27	312	
Shale, dark-----	8	320	
Coal-----	2	322	
Sandstone-----	11	333	
Shale, gray-----	5	338	
Sandstone-----	37	375	
Coal-----	2	377	T.D. 500 ft
Well 10/8W-33G1			
Type of record: Driller's log.		Altitude: About 565 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	15	15	
Pennsylvanian system:			
Middle series:			
Slate, dark-----	35	50	
Slate, light-----	10	60	
Slate, dark-gray-----	22	82	
Slate, light-----	36	118	
Sandstone-----	22	140	
Slate, blue-----	10	150	
Slate, dark-----	15	165	
Sandstone-----	65	230	W.B.
Slate, light-----	20	250	
Slate, dark-----	10	260	
Sandstone-----	8	268	
Slate, dark-----	27	295	
Sandstone-----	25	320	W.B.; T.D. 1,900 ft

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-34P1			
Type of record: Driller's log.		Altitude: About 580 feet.	
Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	20	20	
Hardpan-----	31	51	
Gravel-----	1	52	
Pennsylvanian system:			
Middle series:			
Shale, light-----	40	92	
Sandstone-----	3	95	
Slate, black-----	5	100	
Coal-----	2	102	
Fire clay-----	3	105	
Shale, light-----	10	115	
Sandstone-----	17	132	
Shale, dark-----	73	205	
Slate, black-----	3	208	
Coal-----	2	210	
Fire clay-----	2	212	
Sandstone-----	32	244	
Shale, dark-----	2	246	
Lower (?) series:			
Slate, black-----	4	250	
Limestone-----	10	260	
Shale, blue-----	6	266	
Slate, black-----	4	270	
Shale, light-----	5	275	

Well 10/8W-35J1			
Type of record: Driller's log.		Altitude: About 610 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	26	26	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	16	42	
Shale, gray-----	67	109	
Slate, black-----	.5	109.5	
Rock and slate-----	3.5	113	Limestone (?) & slate
Slate, black-----	3	116	
Fire clay-----	2	118	
Sandstone-----	40	158	
Coal-----	.5	158.5	
Sandstone-----	8.5	167	W.B.
Shale, gray-----	19	186	
Sandstone-----	2	188	
Shale, light-gray-----	2	190	
Sandstone-----	50	240	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-35N1

Type of record: Driller's log. Altitude: About 580 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	12	12	
Hardpan-----	38	50	
Drift-----	20	70	
Pennsylvanian system:			
Middle series:			
Shale, blue-----	20	90	
Slate, black-----	3	93	
Coal-----	2	95	
Shale, gray-----	5	100	
Sandstone-----	43	143	W.B.
Coal-----	2	145	
Shale, blue-----	10	155	

Well 10/8W-36F1

Type of record: Driller's log. Altitude: About 605 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	23	23	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	49	72	
Slate, black-----	3.5	75.5	
Coal-----	2	77.5	
Fire clay-----	7.5	85	
Sandstone-----	38	123	W.B.
Shale, dark-gray-----	3	126	W.B.
Sandstone-----	23	149	W.B.
Coal and slate-----	1	150	
Fire clay-----	2	152	
Sandstone-----	38	190	W.B.

Well 10/8W-36J1

Type of record: Driller's log. Altitude: About 575 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Old well-----	28	28	
Pennsylvanian system:			
Middle series:			
Slate, black-----	8	36	
Fire clay-----	3	39	
Limestone, hard-----	4	43	
Shale, light-----	7	50	
Sandstone, white-----	18	68	W.B.
Coal-----	3	71	
Fire clay-----	4	75	
Shale, sandy-----	5	80	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-36J1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Slate, gray-----	24	104	
Limestone, hard-----	2	106	
Fire clay-----	4	110	
Shale, light-----	4	114	
Sandstone, white-----	42	156	W.B.

Well 10/8W-36M2

Type of record: Driller's log.		Altitude: About 610 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	22	22	
Pennsylvanian system:			
Middle series:			
Shale, dark-----	56	78	
Shale, black-----	9	87	
Coal-----	3	90	
Fire clay-----	4	94	
Sandstone, white-----	30	124	W.B.
Shale, black-----	6	130	

Well 10/8W-36N1

Type of record: Driller's log.		Altitude: About 610 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	20	20	
Pennsylvanian system:			
Middle series:			
Sandstone-----	12	32	
Shale, gray-----	70	102	
Slate, black-----	5	107	
Fire clay-----	3	110	
Sandstone-----	39	149	W.B.
Coal-----	2	151	

Well 10/8W-36P1

Type of record: Driller's log.		Altitude: About 580 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Clay, red, and hardpan-----	28	28	
Pennsylvanian system:			
Middle series:			
Shale, dark-----	30	58	
Slate, black-----	4	62	
Coal-----	2	64	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/8W-36P1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Fire clay-----	3	67	
Shale, sandy-----	18	85	
Sandstone, white-----	25	110	W.B.
Coal-----	4	114	
Shale, dark-----	8	122	

Well 10/8W-36R1

Type of record: Driller's log.		Altitude: About 610 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	18	18	
Pennsylvanian system:			
Middle series:			
Shale-----	19	37	W.B.
Slate, black-----	5	42	
Limestone-----	1	43	
Shale, light-----	9	52	
Sandstone-----	23	75	W.B.

Well 10/9W- 1M1

Type of record: Driller's log.		Altitude: About 600 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	13	13	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	15	28	
Sandstone-----	5	33	
Shale, gray-----	1.5	34.5	
Shale, dark-----	2	36.5	
Shale, gray-----	14.5	51	
Sandstone, gray-----	2	53	
Shale, gray-----	4	57	
Sandstone, very hard-----	5	62	
Shale, gray-----	31	93	
Shale, blue-----	17	110	
Shale, gray-----	5	115	
Shale, blue-----	7	122	
Shale, gray-----	35.5	157.5	
Shale, dark-----	1.5	159	
Coal-----	1	160	
Shale, gray-----	3	163	
Limestone-----	4	167	
Shale, gray-----	9	176	
Shale, sandy, dark-----	3	179	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/9W- 1M1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Slate, black-----	3	182	
Coal-----	3	185	
Fire clay-----	2	187	
Shale, sandy-----	7	194	
Shale, blue-----	23	217	
Shale, sandy-----	6	223	
Shale, blue-----	21	244	
Slate, black-----	2	246	
Coal-----	1	247	
Shale, gray-----	2.5	249.5	
Shale, sandy, gray-----	8.5	258	
Shale, gray-----	12	270	

Well 10/9W- 2A1

Type of record: Driller's log.	Altitude: About 570 feet.		
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	17	17	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	1	18	
Sandstone-----	5	23	
Shale, sandy-----	5	28	
Shale, gray-----	9	37	
Shale, blue-----	48	85	
Shale, gray-----	16	101	
Coal-----	2.5	103.5	
Fire clay-----	1.5	105	
Limestone-----	3	108	
Shale, gray-----	8	116	
Sandstone, gray-----	7	123	
Shale, soft-----	1	124	
Slate, black-----	3.5	127.5	
Coal-----	3	130.5	
Fire clay-----	3	133.5	
Sandstone-----	2	135.5	
Shale, gray-----	7.5	143	
Shale, blue-----	15	158	
Shale, gray-----	14	172	
Shale, blue-----	3	175	
Coal-----	2.5	177.5	
Fire clay-----	4.5	182	
Sandstone, gray-----	5	187	
Shale, sandy, gray-----	6	193	
Sandstone, dark-gray-----	39	232	
Shale, gray-----	1.5	233.5	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/9W- 2A1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Sandstone, gray-----	15.5	249	
Shale, blue-----	5	254	
Shale, gray-----	9	263	
Sandstone, gray-----	7	270	
Well 10/9W- 2B2			
Type of record: Driller's log.		Altitude: About 580 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	15	15	
Hardpan-----	4	19	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	4	23	
Shale, gray-----	24	47	
Shale, blue-----	49	96	
Shale, gray-----	18	114	
Coal and rock-----	2	116	Coal and limestone (?)
Fire clay-----	1	117	
Limestone-----	2.5	119.5	
Shale, gray-----	9	128.5	
Sandstone, gray-----	6	134.5	
Slate, black-----	4	138.5	
Coal-----	3.5	142	
Fire clay-----	5.5	147.5	
Shale, gray-----	7.5	155	
Shale, blue-----	13	168	
Shale, gray-----	12	180	
Shale, blue-----	5	185	
Coal-----	2.5	187.5	
Fire clay-----	4	191.5	
Sandstone, gray-----	36.5	228	
Shale, blue-----	2.5	230.5	
Sandstone, gray-----	38	268.5	
Shale, blue-----	8.5	277	

Well 10/9W- 2B3			
Type of record: Driller's log.		Altitude: About 570 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	17	17	
Hardpan-----	26	43	
Pennsylvanian system:			
Middle series:			
Shale, dark-----	32	75	
Shale, sandy-----	18	93	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/9W- 2B3--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, gray-----	12	105	
Slate, dark-----	10	115	
Coal and shale-----	4	119	
Limestone, hard-----	3	122	W.B.
Shale, gray-----	5	127'	
Sandstone-----	5	132	W.B.
Limestone-----	3	135	

Well 10/9W- 2E2

Type of record: Driller's log. Altitude: About 560 feet.

Quaternary system:			
Recent and Pleistocene (?) series:			
Clay-----	16	16	
Hardpan-----	14	30	
Shale, brown-----	5	35	Clay (?)
Shale, gray-----	5	40	Do
Shale, green-----	10	50	Do
Pennsylvanian system:			
Middle series:			
Shale, gray-----	10	60	
Shale, dark-----	57	117	
Shale, gray-----	6	123	
Coal-----	2	125	
Limestone, hard-----	2	127	
Shale, gray-----	10	137	
Sandstone-----	3	140	
Shale, gray-----	1	141	
Limestone-----	2	143	
Shale-----	3	146	
Coal-----	4	150	
Fire clay-----	2	152	
Shale, light-----	15	167	

Well 10/9W- 2H1

Type of record: Driller's log. Altitude: About 570 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	15	15	
Hardpan-----	16	31	
Pennsylvanian system:			
Middle series:			
Sandstone-----	12	43	
Shale, dark-----	17	60	
Shale, sandy-----	32	92	
Shale, light-----	8	100	W.B.
Shale, dark-----	15	115	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/9W- 2H1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Coal-----	3	118	
Limestone-----	2	120	W.B.
Shale, light-----	2	122	
Sandstone-----	6	128	W.B.
Limestone, brown-----	8	136	
Slate, black-----	2	138	
Coal-----	2	140	
Shale, sandy-----	15	155	
Shale, dark-----	20	175	

Well 10/9W- 3Q1

Type of record: Driller's log. Altitude: About 570 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface and mud-----	18	18	
Hardpan-----	10	28	
Sand and gravel-----	7	35	
Pennsylvanian system:			
Middle series:			
Shale, soft, gray-----	10	45	
Shale, dark-----	3	48	
Coal-----	2	50	
Fire clay-----	8	58	
Shale, sandy-----	7	65	
Sandstone-----	10	75	W.B.
Shale, sandy-----	13	88	
Sandstone, dark-----	12	100	W.B.
Shale, sandy-----	10	110	
Shale, dark-----	4	114	

Well 10/9W- 3Q3

Type of record: Driller's log. Altitude: About 569 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay and sandy-----	40	40	
Gravel and sand-----	7	47	
Pennsylvanian system:			
Middle series:			
Coal-----	1	48	
Sandstone, hard-----	52	100	
Shale, sandy-----	43	143	
Coal-----	2	145	
Shale-----	15	160	
Limestone-----	13	173	Coal at 163 ft
Shale-----	57	230	

Table 3.--Selected well logs, Vigo County, Indiana--Continued

Well 10/9W- 3Q3--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Sandstone-----	150	380	
Coal-----	7	387	T.D. 1,200 ft
Well 10/9W- 3R1			
Type of record: Driller's log.		Altitude: About 570 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Clay and sand-----	21	21	
Gumbo, green-----	11	32	
Pennsylvanian system:			
Middle series:			
Shale, dark-----	13	45	
Coal-----	3	48	
Fire clay-----	8	56	
Limestone, sandy-----	12	68	
Sandstone, white-----	6	74	W.B.
Limestone, sandy-----	8	82	
Well 10/9W- 4L1			
Type of record: Driller's log.		Altitude: About 550 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Clay and sand-----	25	25	
Hardpan, gray-----	32	57	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	13	70	
Sandstone-----	10	80	
Shale, dark-----	5	85	
Sandstone, dark-----	5	90	W.B.
Slate, dark-----	5	95	
Coal-----	3	98	
Fire clay-----	2	100	
Sandstone-----	35	135	
Well 10/9W- 6E1			
Type of record: Driller's log.		Altitude: About 496 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Soil, dirt, soft-----	8	8	
Gravel, coarse-----	11	19	W.B.
Pennsylvanian system:			
Middle series:			
Shale-----	2	21	