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GROUND-WATER RESOURCES OF WEST-CENTRAL INDIANA

Preliminary Report: Montgomery County

Prepared by the

GEOLOGICAL SURVEY

UNITED STATES DEPARTMENT OF THE INTERIOR

In cooperation with the

DIVISION OF WATER

DEPARTMENT OF NATURAL RESOURCES

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INDIANA DEPARTMENT OF CONSERVATION

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GROUND-WATER RESOURCES OF WEST-CENTRAL INDIANA

Preliminary Report: Montgomery County

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CONTENTS

ILLUSTRATIONS

(All plates in pocket)

TABLES

GROUND-WATER RESOURCES OF WEST-CENTRAL INDIANA

Preliminary Report: Montgomery County

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

ABSTRACT

Montgomery County, in west-central Indiana, has an area of about 507 square miles. Consolidated rocks of Mississippian Age and unconsolidated rocks of Pleistocene Age are the major sources of ground water for domestic, stock, industrial, and municipal supplies. Consolidated rocks of Pennsylvanian Age, in the extreme southwestern part of the county, are a minor source of water for domestic and stock supplies. Wells in Montgomery County vary greatly in depth and yield. Wells tapping Mississippian rocks range in depth from about 30 to 300 feet and in yield from less than 1 to about 270 gpm, while those tapping Pennsylvanian rocks range in depth from about 80 to 120 feet. Some wells tapping the consolidated rocks yield no water. Wells tapping Pleistocene sand and gravel range in depth from about 20 to 190 feet and in yield from about 5 to 1,000 gpm. Field chemical analyses of water from these sources show that the chemical quality differs greatly. A modal grouping was used to find the most frequent values for the hardness of water and for the chloride and sulfate content of the ground water in Montgomery County. This method yields the following results for water from aquifers of Mississippian Age: hardness 324 ppm; chloride, 8 ppm; and sulfate, 14 ppm; and for water from aquifers of Pleistocene Age: hardness, 324 ppm; chloride, 8 ppm; and sulfate, 15 ppm. Locally the iron content will exceed the recommended standard of the U. S. Public Health Service (1962) for drinking water.

This preliminary report contains tabulated records of about 661 wells and other drilled holes giving information about well construction, water levels, conditions of occurrence, and character of the water-bearing material; selected logs for about 117 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 9 springs giving information about geologic source, yield and temperature of the water; results for 351 field chemical analyses of water from wells, 8 from springs, and 21 from streams, giving the hardness of water 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 map of Montgomery 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 availabiliyt of ground water and generalized quality of water conditions with respect to hardness.

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 Resqurces, 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 eighth 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 ground-water conditions and the geology 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 immediate supervision of F. H. Klaer and C. M. Roberts, successive district geologists for Indiana.

Location and Areal Extent

Montgomery County is located in the west-central part of Indiana (fig. 1). The county is rectangular and has an area of about 507 square miles. It is bounded on the north by Tippecanoe County, on the east by Boone, Clinton and Hendricks Counties, on the south by Parke and Putnam Counties, and on the west by Fountain and Parke Counties.

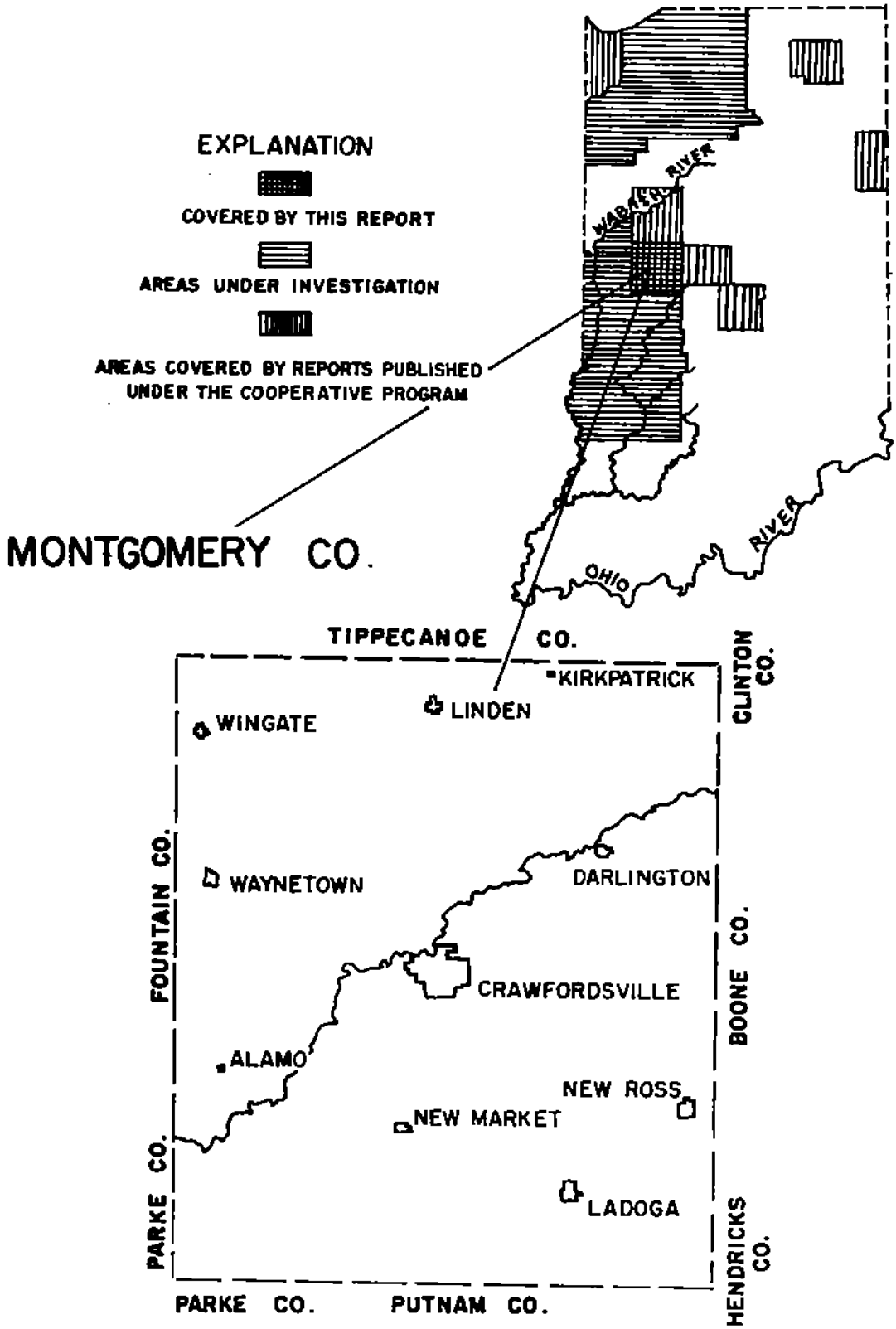

FIGURE 1. -- MAP OF INDIANA, SHOWING AREA COVERED BY THIS REPORT, AREAS UNDER INVESTIGATION, AND AREAS COVERED BY REPORTS PUBLISHED UNDER THE COOPERATIVE PROGRAM.

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 19/4W-33R1, the part preceding the hyphen indicates that the well is in T. 19 N., R. 4 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 19/4W-33R1 is the first well listed in SE¼SE¼ sec. 33, T. 19 N., R. 4 W.

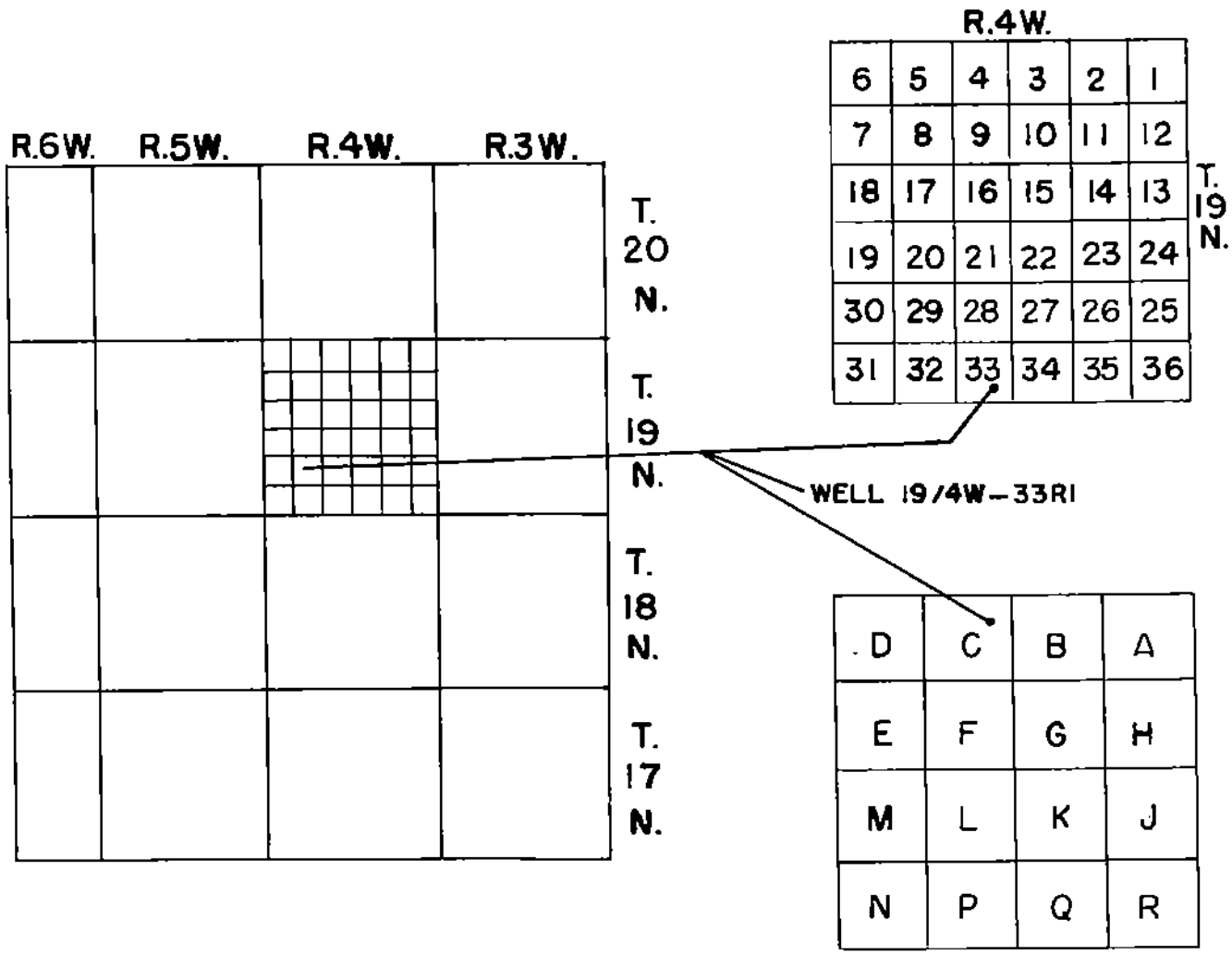

FIGURE 2.-- SKETCH SHOWING WELL-NUMBERING SYSTEM

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 4 and 5.

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

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. 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, test 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 4. 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 5. Basic data for the springs are summarized in table 7.

Samples of water were collected at the time well and spring sites were visited and from streams during a period of low flow. The samples were analyzed in the field for hardness of water, alkalinity (expressed as bicarbonate) and chloride content by standard titration methods. Sulfate was determined by a turbidimetric method using a colorimeter where concentrations were below 100 ppm (parts per million) and by a standard titration method where concentrations exceeded 100 ppm. The iron content was determined at the well site by the bipyridine method by comparison with standard color ampules having known iron concentrations. The results of these analyses (tables 6, 7, and 8) were used to select sites for collecting 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 9 contains water-level measurements obtained from these wells. The data from these observation wells show seasonal and longer term variations of the ground-water level.

GENERAL GEOLOGY AND SOURCES OF GROUND WATER

Consolidated rocks of Early and Late Mississippian age and Early Pennsylvanian age crop out in Montgomery County. Overlying these rocks are unconsolidated glacial deposits of Pleistocene age.

Rocks of Mississippian age form the bedrock surface with the exception of a minor area in the extreme southwestern corner of the county. These rocks are exposed along Sugar Creek and in scattered outcrops in the southern and eastern part of the county. Siltstones and shale of Early Mississippian age are the predominant rock types although considerable limestone is present in the eastern part of the county. Limestones of Late Mississippian age are present only in the extreme southern part of the county. All these rock units are water bearing to varying degrees, and as a group form one of the two major sources of ground water for domestic, stock, industrial, and municipal supplies in the county.

Well depths in the siltstones and shales of Early Mississippian age range from 30 to 300 feet, the most frequent depth being about 75 feet. Yields range from less than one to about 270 gpm with some dry holes reported. Well depths in the limestone of Early Mississippian age range from 40 to 185 feet, the most frequent depth being about 65 feet. Yields range from about 5 to 60 gpm. Well depths in the limestone of Late Mississippian age range from 30 to 125 feet. Yields range from less than 1 gpm to about 50 gpm with some dry holes reported. The variation in depth of the wells drilled into rock is primarily due to the thickness of glacial drift overlying the bedrock. The majority of the wells obtain water in the first 50 feet of rock penetrated.

Rocks of Pennsylvanian age are present only in the extreme southwest corner of the county. They consist chiefly of sandstones and shales and are a minor source of water for domestic and stock supplies. Well depths range from about 80 to 120 feet.

Unconsolidated glacial deposits of Pleistocene age consisting of till and glaciofluvial sand and gravel overlie the consolidated rocks.

Preglacial streams eroded valleys in the bedrock surface in Montgomery County. Some of these valleys are more or less followed in part by the present valleys at Sugar, Cornstalk, Little Raccoon (Waveland), and Big Raccoon, and Black Creeks. Other preglacial valleys have been completely filled and buried by glacial materials and no surface expression remains.

Deposits of sand or gravel as much as 80 feet thick have been penetrated by wells drilled into these preglacial valleys. Few wells completely penetrate the sand and gravel but it is estimated the deposits will average about 20 feet in thickness. These deposits may be lying on bedrock and overlain by till or recent deposits or interbedded within the till. The sand and gravel is not necessarily continuous--locally till may completely fill a preglacial valley. The sand and gravel deposits in the preglacial valleys are overlain by till.

except in a few areas. In an area west of Crawfordsville near the junction of Sugar and Black Creeks sand and gravel is overlain by Recent alluvium--erosion having removed the till which once overlaid the sand and gravel.

Yields from these sand and gravel deposits range from 5 to 1,000 gpm. The saturated thickness and the grain size of the material in the deposits can change rapidly in a short distance, and are two factors controlling potential yield.

Yields sufficient for domestic, stock, and possibly small industrial and municipal supplies are available from the sand and gravel deposits associated with the preglacial valleys. Yields sufficient for large industrial and municipal supplies are available in the vicinity of Crawfordsville and may be available from a small area in the southeastern part of the county from sand and gravel deposits associated with preglacial valleys.

Large amounts of glaciofluvial sand and gravel in the northern part of the county are not associated with preglacial valleys. These sands and gravels are interbedded in till as relatively thin but areally extensive sheet-like deposits 10 to 15 feet in thickness. Information is not sufficient to determine whether these sands and gravels compose one large mass or are several units, each of which is areally extensive. Yields of as much as 20 gpm, more than adequate for domestic and stock supplies, have been reported from wells penetrating these deposits. Yields sufficient for small industrial and municipal supplies are possible in some areas.

Deposits of Recent age in Montgomery County consist mostly of flood-plain and lake 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 generalized hardness of water conditions in the consolidated and unconsolidated rocks.

The hardness and the chemical content of water vary greatly in the aquifers of Mississippian, Pennsylvanian, and Pleistocene age. The maximum and minimum values and the mode 1/ for hardness and chloride and sulfide content of water for the Pleistocene and Mississippian aquifers is given in table 1. Owing to insufficient data on the water from Pennsylvanian aquifers these values are not given. In addition table 2 indicates the significance of the various constituents and properties of the water that are listed in tables 6, 7, and 8.

Table 1.--Comparison of quality of ground water by source in Montgomery County

Pleistocene aquifers

	Hardness ppm	Chloride ppm	Sulfate ppm
Maximum	716	78	280
Minumum	136	<1	10
Mode	324	8	15

1/ mode: The item, in a series of statistical data, which occurs oftenest. (Webster).

Mississippian aquifers

	Hardness ppm	Chloride ppm	Sulfate ppm
Maximum	580	274	210
Minimum	16	1	9
Mode	324	8	14

Table 2.--Significance of selected dissolved mineral constituents and properties of ground water [a/]

Constituent or property	Significance
Iron (Fe)	Oxidizes to reddish-brown sediment upon exposure to air. More than about 0.3 ppm stains laundry and utensils reddish-brown. More than 0.5 to 1.0 ppm imparts objectionable taste to water. Larger quantities favor growth of iron bacteria. Objectionable for food processing, textile processing, beverages, ice manufacturing, brewing, and other purposes.
Bicarbonate (HCO_3)	Bicarbonate in conjunction with carbonate (CO_3) produces alkalinity. Bicarbonate of calcium and magnesium decomposes in steam boilers and hot water facilities to form scale and release corrosive carbon-dioxide gas.
Sulfate (SO_4)	Sulfate in water containing calcium forms hard scale in steam boilers. In large amounts sulfate in combination with other ions gives bitter taste to water. Some calcium sulfate is considered beneficial in the brewing process.
Chloride (Cl)	Gives salty taste to drinking water when in large amounts in combination with sodium. Increases the corrosiveness of water when in large amounts.
Hardness as $CaCO_3$ (Calcium and magnesium)	Hard water increases amount of soap needed to make lather. Forms scale in boilers, water heaters, and pipes. Leaves curdy film on bathtubs and other fixtures and on materials washed in the water.

CONFINED AND UNCONFINED CONDITIONS

In Montgomery 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 aquifer water-bearing material is overlain directly by relatively impervious material, and the water, which is under pressure will

a/ After Rosenshein and Hunn (1961), p. 17

rise in the well above the bottom of the impervious material. Under unconfined conditions, the aquifer is overlain directly by permeable unsaturated material and the water does not rise above the level at which it is encountered.

TYPES OF WELLS

Drilled wells are the principal type of water wells used in Montgomery County. A small number of dug and driven wells are still in use and occasionally one is constructed. Most water wells are 4-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. Where the water-bearing material is consolidated rock, the well casing generally is driven a few inches to several feet into rock, and the well is finished as an open hole in rock. Where the water-bearing material is sand and gravel, the well casing is driven into the water-bearing zone and is 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 Montgomery County the majority of industrial and municipal supply wells drilled in sand and gravel are equipped with well screens--a few are finished with slotted or perforated casing. Most domestic and stock wells that have been completed in sand and gravel use a screen but some 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. Successful wells can be obtained by the use of screens, in many water-bearing sand and gravel deposits from which it was once considered impossible to obtain water. Table 3 relates the grain-size in inches and millimeters to the slot and gauze size of screens commonly used in water wells.

Table 3.--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 3 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, and holes drilled for purposes other than water supply are drilled by either the cable-tool or rotary method in Montgomery County.

SUMMARY

Preliminary evaluation of the basic data shows that adequate quantities of ground water are generally available for domestic, stock, small municipal, and small industrial use from the rocks of Mississippian age. Rocks of Pennsylvanian age are a minor source of ground water for domestic and stock use.

Ground water for domestic, stock, and locally for small industrial and small municipal supplies is available from sand and gravel of Pleistocene age associated with preglacial bedrock valleys. In the vicinity of Crawfordsville and possibly in a small area in the southeastern part of the county large supplies are available from the afore-mentioned deposits. Ground water for domestic, stock, and small industrial and municipal supplies generally are available from thin but areally extensive sand and gravel deposits in the northern part of the county.

The quality of the water from the rocks of Mississippian, Pennsylvanian, and Pleistocene age varies greatly. Generally water from these sources exceeds the U. S. Public Health Service (1962) drinking-water standards for iron. The water is generally hard to very hard.

RECORDS

The records of about 661 water wells and holes drilled for purposes other than water supply are given in table 4. The table gives information about well construction, water levels, yields, and drawdowns, thickness and character 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 5 contains the slected logs of about 117 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 351 analyses of well waters are given in table 6. These chemical analyses were determined in the field by the U. S. Geological Survey. The table gives information about geoligic source, temperature, concentration in parts per million of iron, alkalinity (expressed as bicarbonate), sulfate, and chloride content, and hardness of water. The U. S. Public Health Service (1962) drinking-water standards state that the chemical constituents should not exceed the following concentrations: iron, 0.3 ppm; sulfate, 250 ppm; chloride, 250 ppm. Although no official standards have been established for hardness of water, the following classification is in general use: 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.

Records of 9 springs are given in table 7. This table gives geologic source, yield, use, temperature of water, and the results of field chemical analyses for 8 springs.

Table 8 gives the results of 21 field chemical analyses of water from streams in Montgomery County with other data.

Water levels in 6 observation wells in Montgomery County are given in tabel 9. The water levels were measured with an engineers steel tape or by recording gages. Daily high water levels are given for current observation wells equipped with recording gages and daily 2 AM water levels for the discontinued observation well Montgomery 4 and periodic water levels are given for the observation wells that were measured manually. The locations of these observation wells are shown on plate 1.

GLOSSARY OF DRILLERS' TERMS

Bluestone.--Blue-gray siltstone, sandy shale, or shaly sandstone.

Drift.--Any rock material, such as boulders, till, gravel, sand, or clay, transported by a glacier and deposited by or from 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.

Juggy.--Water saturated material, usually a silt or fine sand.

Livery.--See juggy.

Slate.--Hard shale that splits into thin platy fragments, usually black.

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Table 4.--Records of wells, Montgomery 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; Dn, driven; Du, dug.
Finish: Gp, gravel pack; Oe, open end; Oh, open hole; P perforated casing; S, screen.
Material: G, gravel; Ls, limestone; S, sand; Sd-sh, sandy shale; Sh, shale; Sh-ls, shaly limestone; Sh-ss shaly sandstone; Sls, siltstone; Ss, sandstone.
Geologic age: Pl, Pleistocene; P, Pennsylvanian; M, Mississippian.
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; 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 6; L, log in Table 5; La, log on file; Lam, log from memory on file; Ls, log from sexory in Table 5; W, water level measurements in Table 9; 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)	Finish	Water-bearing zone: Depth to top (feet)	Water-bearing zone: Thickness (feet)	Water-bearing zone: Material	Water-bearing zone: Geologic age	Water-bearing zone: Ground-water occurrence	Water level (feet)	Yield (gpm)	Use	Remarks
17/3W- 1L1	Mrs. Garner	Holt Bros.	7-20-60	915	Dr	77	4	77	Oe	53	23	S	Pl	C	25	10	D,S	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm
3G1	T. Baker	----do----------	1941	850	Dr	44	4	----	Oh	6	38	Ls	M	C	10	-----	S	
4H1	E. Liddkay	----do----------	1944	855	Dr	140	4	----	Oh	80	60	Ls	M	--	---	-----	D,S	A; Reported sulphur water
4Q1	M Hauser	----do----------	1949	840	Dr	60	4	----	Oh	40	20	Ls	M	C	15	-----	D,S	A
5A1	G. W. Markey	----do----------	1949	860	Dr	45	4	45	S	-----	-----	G	Pl	C	10	-----	D,S	Screen 2½ ft, no 80 slot
5D1	G. Frantz	----do----------	6-21-61	855	Dr	76	4	76	S	72	4	G	Pl	C	+3	10	S	Clay 0 to 72 ft; A; Reported Dd 0 ft after pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 50 slot
5F1	----do----------	----do----------	1946	850	Dr	51	4	51	S	-----	-----	G	Pl	C	10	-----	S	A; Screen 2½ ft, no 100 slot
6M1	Indiana State Highway Department	----------	10-30-50	835	Dr	46	-----	-----	-----	-----	-----	-----	----	--	---	-----	T	L
8N1	S. Mahoonoy	Holt Bros.	2- 2-61	865	Dr	62	4	62	S	59	3	G	Pl	C	37	10	D,S	Clay 0 to 59 ft; A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
11C1	F. Rhoads	----do----------	1948	900	Dr	118	4	-----	Oh	80	38	Ls	M	C	20	-----	D,S	A
11K1	W. C. Kessler	----------	--------	890	Dr	85	-----	-----	-----	-----	-----	G	Pl	--	---	-----	D,S	A
13K1	C. Westfall	Holt Bros.	1940	910	Dr	157	4	111	Oh	111	46	Ls	M	C	18	-----	D,S	A
14F1	R. Barnhill	----do----------	1948	900	Dr	108	4	-----	Oh	75	33	Ls,Sh	M	C	18	4	D,S	A
16H1	S. Kessler	----------	7-23-54	885	Dr	784	-----	-----	-----	-----	-----	-----	----	--	---	-----	Og	E. Zink 1; L (partial)
18E1	J. McNulty	Swisher and Swank	1956	820	Dr	42	4	42	S	40	2	G	Pl	C	23	12	D	Hardpan 0 to 40 ft; A; Shop screen, 3-in dia, 1/8 in gauze opening
18E2	H. Davis	----do----------	1956	820	Dr	42	4	42	S	40	2	G	Pl	C	23	-----	D	Hardpan 0 to 40 ft; Shop screen, 3-in dia, 1/8 in gauze opening
18K1	Town of Ladoga	H. R. Lamb	6-49	835	Dr	193	10	50	Oh	52	88	Sh	M	C	20	270	P	L
18K2	----do----------	Layne-Northern Co., Inc.	10- 2-58	835	Dr	104	10	37	Oh	33	71	Sh	M	C	18	220	P	L; Dd 7 ft after 8 hr pumping at 223 gpm
18K1	----do----------	----------	1915	820	Dr	142	-----	-----	Oh	-----	-----	-----	M	C	---	-----	N	
18K2	----do----------	Stremmel and Hill	1931	820	Dr	182	12	-----	Oh	42	140	Sh?	M	C	26	-----	O	Observation well Montgomery 6, W
19G1	Young Bros. Meat Market	Holt Bros.	--------	840	Dr	76	4	----	Oh	30	46	Sh?	M	--	---	-----	I	
19K1	R. Fouts	----do----------	1940	840	Dr	80	4	----	Oh	60	20	Sh	M	C	25	-----	D	
21C1	P. D. Stoner	----do----------	1950	845	Dr	93	4	93	-----	-----	-----	G	Pl	--	21	-----	D,S	A
22Q1	L. A. Pitzer	Swisher and Swank	--------	890	Dr	150	4	130	Oh	-----	-----	Sh?	M	--	---	-----	D,S	A
24N1	T. Ford	Holt Bros.	1947	920	Dr	117	4	117	-----	-----	-----	G	Pl	--	30	-----	D,S	A
26B1	G. Carman	----do----------	12-49	920	Dr	150	4	150	-----	-----	-----	G	Pl	--	30	-----	D	A
27C1	J. Mitchell	Swisher and Swank	11-54	880	Dr	230	4	212	Oh	-----	-----	Sh?	M	--	60	-----	D,S	A
30G1	M. E. Woods	Holt Bros.	1936	830	Dr	150	4	150	-----	-----	-----	G	Pl	--	---	-----	D,S	A
30P1	T. Shrout	----do----------	1949	810	Dr	147	4	147	S	-----	-----	G	Pl	C	12	-----	D,S	A; Screen, no 60 slot
30R1	----do----------	----do----------	1937	810	Dr	90	4	86	Oe	-----	-----	G	Pl	C	F	40	D,S	A
31N1	J. Carson	Scobee Bros.	--------	805	Dr	186	6	186	Oe	-----	-----	G	Pl	--	---	-----	S	

Table 4.--Records of wells, Montgomery County, Indiana--Cont.

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: Depth to top (feet)	Water-bearing zone: Thickness (feet)	Water-bearing zone: Material	Water-bearing zone: Geologic age	Water-bearing zone: Ground-water occurrence	Water level (feet)	Yield (gpm)	Use	Remarks
17/3W-31Q1	G. Denny	Holt Bros.	1952	830	Dr	190	4	110	Oh	110	80	Sh	M	C	30	-----	D,S	A
34H1	G. W. Dann	----do----------	1944	880	Dr	130	4	130	-----	-----	-----	G	Pl	C	30	5	S	
36Q1	H. Schockensey	R. L. Scobee and Sons	11-43	810	Dr	217	6	217	Oe	-----	-----	-----	Pl	--	---	-----	D,S	A; Well backfilled with gravel to 207 ft
17/4W- 3E1	D. Hester	----do----------	--------	840	Dr	100	4	-----	Oh	-----	-----	Sh?	M	C	10	-----	D,S	A
3M1	E. Hester	----do----------	--------	835	Dr	100	4	-----	Oh	30	70	Sh?	M	C	6	-----	S	
3Q1	----do----------	Holt Bros.	--------	845	Dr	180	4	-----	Oh	-----	-----	Sh?	M	C	30	-----	S	
5N1	E. J. Bonwell	W. Royer	1924	830	Dr	94	4	30	Oh	38	55	Sh?	M	C	11	-----	D,S	A
6B1	A. Van Cleave	A. Armentrout	12-11	800	Dr	82	4	72	Oh	72	10	Sh?	M	C	9	-----	D,S	A
6C1	Mr. Saylar	----do----------	10-06	790	Dr	58	4	58	Oe	-----	-----	G	Pl	--	---	-----	N	
6D1	Town of New Market	----do----------	1908	800	Dr	128	4	128	Oe	-----	-----	G	Pl	C	25	-----	De	Rock at 128 ft
6D2	W. L. Surface	----do----------	1907	800	Dr	88	4	88	Oe	-----	-----	G	Pl	--	---	-----	N	
6D3	S. W. Warbritton	A. Armentrout	2-12	800	Dr	74	4	74	Oe	-----	-----	G	Pl	C	24	-----	N	
6D4	E. Armstrong	----do----------	1907	800	Dr	88	4	88	Oe	-----	-----	G	Pl	--	---	-----	N	
6D5	S. Spencer	----do----------	11-08	805	Dr	145	4	-----	-----	-----	-----	-----	----	--	---	-----	De	Dry hole; Rock at 130 ft
6D6	J. Swearington	----do----------	11-08	805	Dr	76	4	76	Oe	-----	-----	G	Pl	--	---	-----	N	
7J1	M. Saylor	----do----------	1-09	830	Dr	80	4	54	Oh	54	26	Sh?	M	C	15	-----	D	A
7N1	J. Van Cleave	----do----------	5-12	820	Dr	110	4	110	Oe	-----	-----	G	Pl	C	5	-----	D	A; Well backfilled with gravel to 102 ft
8P1	H. Servies	----do----------	2-09	835	Dr	60	4	59	Oh	59	1	Sh?	M	C	7	-----	D	
11H1	R. H. Everhart	Holt Bros.	1948	840	Dr	80	-----	-----	-----	-----	-----	Sh?	M?	C	5	-----	D,S	A
16C1	W. Smith	----do----------	8-27-52	840	Dr	52	4	51	Oh	51	1	Sh	M	--	-----	-----	S	L
16J1	V. Jacks	----do----------	1949	845	Dr	51	4	-----	Oh	10	41	Sh?	M	--	15	-----	D,S	A
16R1	----do----------	----------	--------	855	Dr	90	4	-----	Oh	-----	-----	Sh?	M	--	30	-----	D,S	A
17N1	C. Surface	C. Surface	--------	840	Dr	70	-----	32	Oh	32	38	Ls	M	C	8	-----	D	Drift 0 to 32 ft; A
17Q1	F. Blaydes	----------	--------	840	Dr	-----	-----	-----	-----	30	-----	Ls	M	C	7	-----	S	
17R1	----do----------	----------	--------	845	Dr	-----	-----	-----	-----	50	-----	Ls	M	--	---	-----	D,S	
18A1	F. A. Martin	A. Armentrout	8-07	830	Dr	60	4	48	Oh	48	18	Ls?	M	C	F	-----	N	
18N1	T. Gentry	----do----------	9-04	835	Dr	94	4	54	Oh	54	40	Ls?	M	--	---	-----	D,S	
19H1	Crabb, Reynolds, and Taylor	----do----------	7-04	840	Dr	78	4	48	Oh	48	30	Ls?	M	--	---	-----	De	
19Q1	A. Hester	Holt Bros.	2-11-60	850	Dr	101	4	101	S	92	9	G	Pl	C	30	10	D	L, A; Dd 10 ft after 2 hr pumping at 10 gpm; Screen, 2 ft of 4-in dia, no 40 slot
19R1	L. Ames	----do----------	1952	850	Dr	174	4	174	S	170	4	S,G	Pl	C	36	12	D,S	A
21C1	R. W. Rouse	C. Surface	--------	850	Dr	80	4	-----	Oh	20	60	Ls	M	C	8	-----	D	A
22E1	J. A. Srader	----do----------	--------	840	Dr	120	-----	-----	Oh	-----	-----	Ls	M	C	18	-----	D,S	A
25B1	J. Young	----------	--------	810	Dm	28	2	28	S	-----	-----	S	Pl	--	---	-----	N	
25B2	----do----------	Holt Bros.	--------	810	Dr	103	4	103	S	-----	-----	G	Pl	C	38	-----	D,S	A
25C1	----do----------	----------	--------	810	Dr	140	2½	80	Oh	80	60	Sh?	M	C	20	-----	N	
25C2	----do----------	Holt Bros.	--------	810	Dr	80	4	-----	Oh	-----	-----	Sh	M	C	23	-----	D,S	A
27J1	D. Brown	----do----------	3-49	800	Dr	98	4	-----	Oh	70	29	Ss	M	C	35	-----	D	A
28K1	E. F. Stewart	----------	--------	820	Dr	130	2½	-----	Oh	-----	-----	Sh?	M	C	30	-----	D	A
30H1	F. Wilkinson	A. Armentrout	--------	875	Dr	48	4	-----	Oh	28	20	Ls	M	C	---	-----	D,S	Well flows in spring of year
30Q1	C. Wilkinson	----------	--------	870	Dr	96	6	-----	Oh	56	40	Ls	M	C	30	-----	D,S	A
31D1	F. Priebe	Holt Bros.	1947	850	Dr	122	4	122	Oe	-----	-----	G	Pl	C	45	-----	S	
31F1	----do----------	----do----------	1949	850	Dr	141	4	-----	Oe	-----	-----	G	Pl	C	45	-----	S	A
31G1	----do----------	----------	--------	855	Dr	115	3	-----	-----	-----	-----	Ls?	M	C	45	-----	D	Reported sulphur water
32E1	J. Poyntz	Ruark and Toney	1947	855	Dr	31	6	24	Oh	24	7	Ls	M	--	---	48	P	A
32F1	R. Highbee	Holt Bros.	1949	830	Dr	60	4	-----	Oh	60	68	Ls	M	C	10	-----	S	
32F2	----do----------	----------	--------	830	Dr	110	5	-----	-----	-----	-----	Ls?	M	C	5	-----	D	
34F1	I. Parks	----------	--------	780	Dr	120	3	-----	-----	-----	-----	G?	Pl	C	20	-----	D,S	A
35A1	R. Powers	Holt Bros.	1938	795	Dr	70	4	70	Oe	-----	-----	G	Pl	C	35	-----	D,S	A
35R1	W. Riggle	Ruark Well Drilling	1957	795	Dr	178	6	144	P	144	-----	S	Pl	--	---	-----	D,S	A
17/3W- 1A1	W. Vaught	A. Armentrout	2-15	800	Dr	88	-----	43	Oh	42	26	Ss?	M	C	12	-----	N	
1A2	J. H. Britton	----do----------	11-12	800	Dr	49	4	49	Oe	-----	-----	G	Pl	C	20	-----	N	
1A3	A. Armentrout	----do----------	7-02	800	Dr	72	4	-----	Oh	48	26	Ss	M	--	---	-----	N	

17/5W- 1A4	Pennsylvanian Railroad	----------	--------	800	Dr	140	8	-----	Oh	44	96	Ss	M	C	18	190	P	L; Dd 3.75 ft after 2 hr pumping 190 gpm; Well loaned by Town of New Market
1C1	G. Busenbark	A. Armentrout	3-10	800	Dr	67	4	35	Oh	35	32	Ss?	M	C	9	-----	S	
1J1	P. Johnson	----do----------	4-07	810	Dr	84	4	37	Oh	37	27	Ss?	M	--	---	-----	N	
1Q1	C. Wray	----do----------	3-09	810	Dr	157	4	123	Oh	123	34	Ss?	M	C	16	-----	D,S	A
3Q1	L. Garland	----do----------	11-12	700	Dr	100	4	80	Oh	80	20	Sh?	M	C	+1	-----	D,S	A
8A1	E. L. Smith	----do----------	1908	785	Dr	56	4	41	Oh	41	15	Sh?	M	C	35	-----	N	
7B1	J. Paynts	Holt Bros.	1943	770	Dr	200	4	-----	Oh	60	140	Sh	M	--	100	-----	D,S	A
9N1	B. Wilson	A. Armentrout	2-11	795	Dr	68	4	61	Oh	61	7	Sh?	M	C	38	-----	D,S	A
9P1	K. Allen	----do----------	2-11	800	Dr	64	4	48	Oh	48	16	Sh?	M	C	24	-----	D,S	
11R1	L. S. Everson	----do----------	8-11	815	Dr	52	4	36	Oh	36	16	Sh	M	C	12	-----	S	Shale at 30 ft
12R1	W. C. Taylor	Ruark and Toney	10-23-48	820	Dr	240	6	230	Oh	220	23	Sh-ss	M	C	30	-----	D,S	
13P1	H. Saylor	Holt Bros.	1948	835	Dr	100	4	100	Oo	-----	-----	G	Pl	C	3	-----	D,S	Shale at 100 ft, A
13R1	L. Service	A. Armentrout	12-08	835	Dr	102	4	77	Oh	77	25	Ss	M	C	22	-----	D	A
19F1	Foster et al	----------	4- 2-51	796	Dr	2,315	-----	-----	-----	20	1	Ls	M	--	---	-----	Og	L, B. Vanhorn 1; L (partial)
21E1	Mrs. Taylor	Holt Bros.	8-12-59	810	Dr	114	4	111	Oh	111	3	Sh	M	C	18	5	D	L, A; Dd 10 ft after 10 hr pumping at 5 gpm
21F1	L. Thompson	Ruark and Toney	1947	810	Dr	127	-----	87	Oh	83	44	Sls	M	C	27	-----	D	Drift 0 to 83 ft
21F2	W. Reddon	----do----------	1947	810	Dr	117	4	85	Oh	80	37	Sls	M	C	10	-----	P	Drift 0 to 80 ft; A
21F3	Browns Valley Church	----do----------	1946	810	Dr	116	4	104	Oh	100	16	Sh-ss	M	C	9	-----	P	L
21M1	Indiana Farm Bureau Co-op	Holt Bros.	--------	810	Dr	110	4	110	Oo	-----	-----	G	Pl	--	---	-----	I	A
22G1	G. Grimes	----do----------	1948	850	Dr	111	4	----	Oh	30	81	Ls	M	C	20	-----	D,S	A
23K1	C. Lydick	----------	1886	860	Du	25	72	25	-----	-----	-----	-----	Pl	--	---	-----	D	Dug to limestone
23M1	M. C. Taylor	Ruark and Toney	6- 3-47	850	Dr	124	6	88	Oh	80	44	Sh	M	C	20	-----	D	
23R1	----do----------	----------	--------	860	Dr	60	4	-----	-----	-----	-----	Ls	M	--	---	-----	S	
25C1	R. Brewer	Ruark and Toney	1947	850	Dr	33	-----	20	Oh	18	15	Sls	M	C	13	-----	D	Drift 0 to 18 ft; A
27G1	W. Metzger	E. Newland	1956	845	Dr	97	4	40	Oh	40	57	Ls	M	C	20	-----	D,S	L, A
27G2	----do----------	----------	--------	850	Du	30	80	30	-----	-----	-----	-----	Pl	--	---	-----	N	A; Dug to limestone
29L1	H. N. Fullenwider	----------	--------	795	Dr	120	6	-----	-----	-----	-----	-----	----	C	12	-----	D	
29L2	----do----------	----------	--------	795	Dr	165	8	-----	-----	-----	-----	-----	----	C	12	-----	D,S	
30K1	J. Whitecotton	Holt Bros.	1947	775	Dr	158	4	158	S	-----	-----	G	Pl	--	---	-----	D,S	A
31G1	H. M. Moser	----do----------	--------	800	Dr	200	4	-----	Oh	60	140	Sh	M	--	---	-----	S	A
32C1	G. L. Dillman	----do----------	--------	810	Dr	86	4	86	Oo	-----	-----	G	Pl	--	---	-----	S	A
32E1	----do----------	----do----------	--------	810	Dr	35	4	35	Oo	-----	-----	G	Pl	--	---	-----	S	A
32E2	----do----------	----------	--------	810	Du	30	30	30	-----	-----	-----	-----	Pl	--	---	-----	N	
32H1	C. R. Overstreet	Ruark and Toney	1949	815	Dr	123	6	-----	Oh	120	3	Ss	M	C	16	-----	D,S	L, A
35K1	O. Rivers	Ruark and Toney	1947	880	Dr	83	6	24	Oh	24	59	Ls	M	--	---	-----	D,S	A
35L1	L. Williams	----------	1865	850	Du	20	-----	20	-----	-----	-----	G	Pl	--	15	-----	D,S	
36K1	E. Brown	Ruark Well Drilling	8-25-59	855	Dr	88	4	56	Oh	54	34	Sls	M	--	60	18	D	L; Reported Dd 0 ft after 2 hr bailing at 18 gpm.
17/6W- 2E1	R. Bennett	Holt Bros.	4-12-61	770	Dr	100	4	95	Oh	95	5	Sh	M	C	75	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm
2H1	R. Morrow	----do----------	1950	500	Dr	45	4	-----	Oh	10	29	Sh	M	C	5	-----	D	A
2J1	G. L. Dillman	----do----------	1950	585	Dr	45	4	-----	Oh	17	28	Sh	M	C	12	-----	D	
10J1	State of Indiana	----------	1935	770	Dr	104	6	-----	Oh	32	72	Ss	P	--	51	60	P	Clay and hardpan 0 to 32 ft; A; Dd 9 ft after 2 hr pumping at 60 gpm
11A1	H. Thompson	M. Crabb	1955	780	Dr	216	4	40	Oh	45	-----	Ss	P	--	70	-----	D	Water from crevices at 45 ft
11B1	W. Davis	Holt Bros.	1948	770	Dr	105	4	-----	Oh	60	45	Sh	M	--	65	-----	D	A
11N1	State of Indiana	----do----------	--------	770	Dr	101	4	-----	Oh	65	36	Ss	P	--	---	-----	D	A
12N1	H. Coons	----do----------	1949	740	Dr	67	4	-----	Oh	50	17	Sh	M	--	50	-----	S	A
13K1	W. L. Glenn	----------	--------	770	Du	21	30	21	-----	-----	-----	-----	Pl	--	10	-----	O	Observation well Montgomery 4; W.
22G1	W. Bullerdick	Holt Bros.	1950	740	Dr	51	4	51	S	-----	-----	G	Pl	--	---	-----	S	
22J1	----do----------	----do----------	1950	750	Dr	35	4	35	S	-----	-----	G	Pl	C	18	10	D,S	A; Screen, no 60 slot
23K1	W. G. Moser and M. Blackard	----do----------	--------	760	Dr	125	4	-----	Oh	80	45	Sh	M	C	30	-----	S	A
25E1	C. Reynolds	Ruark and Toney	1947	785	Dr	138	6	110	Oh	105	33	Sls	M	C	30	12	D,S	Drift 0 to 105 ft; A
25L1	C. Lamson	----------	--------	780	Du	10	30	10	-----	-----	-----	-----	Pl	--	14	-----	O	Observation well Montgomery 3; W
25P1	Town of Waveland	Holt Bros.	3- 6-61	730	Dr	180	6	121	-----	-----	-----	-----	----	--	---	-----	T	L; Dry hole
34C1	F. Johnson	Swisher and Swank	--------	690	Dr	47	6	12	Oh	12	35	Ls	M	--	20	-----	D	Surface 0 to 12 ft; A
34D1	R. Mitchell	----do----------	--------	750	Dr	40	6	-----	-----	-----	-----	-----	----	--	---	-----	Do	Dry hole; Rock at 40 ft
35D1	Town of Waveland	Holt Bros.	3-29-61	730	Dr	150	6	121	-----	-----	-----	-----	----	--	---	-----	T	L; Dry hole
36C1	----do----------	----do----------	1948	730	Dr	63	10	63	S	40	23	G	Pl	--	---	75	P	
36C2	Pennsylvania Railroad	----------	--------	730	Du	8	36	8	-----	-----	-----	-----	Pl	--	---	-----	Do	Observation well Montgomery 2; W
36C3	B. Banta	----------	--------	765	Du	18	38	18	-----	-----	-----	-----	Pl	--	---	-----	O	Observation well Montgomery 1; W; 8-in casing set in well and well backfilled with crushed stone

Table 4.--Records of wells, Montgomery County, Indiana--Cont.

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: Depth to top (feet)	Water-bearing zone: Thickness (feet)	Water-bearing zone: Material	Water-bearing zone: Geologic age	Water-bearing zone: Ground-water occurrence	Water level (feet)	Yield (gpm)	Use	Remarks
17/6W-36E1	Town of Waveland	Holt Bros.	2-21-61	760	Dr	100	6	52	Oh	-----	-----	Sh	M	C	6	30	P	L; Dd 44 ft after 7 hr pumping at 30 gpm
36G1	----do----------	----do----------	--------	775	Dr	320	-----	-----	Oh	98	222	Sh	M	--	---	50	P	
36H1	----do----------	----do----------	4-14-61	760	Dr	100	6	36	Oh	5	-----	Ls	M	C	+4	25	P	L; Dd 44 ft after 8 hr pumping at 25 gpm; Water from crevice in limestone at 45 ft
18/3W- 2P1	G. Ludwig	----do----------	1942	865	Dr	53	4	53	-----	-----	-----	G	Pl	C	10	-----	D,S	A
5Q1	F. Sablons	----do----------	1944	830	Dr	80	4	80	S	75	4	G	Pl	C	30	-----	D,S	A
8P1	M. Dice	----do----------	1948	830	Dr	50	4	50	S	46	4	G	Pl	C	25	-----	D,S	A; Screen, no 100 slot
7P1	R. Henderson	Swisher and Swank	1957	815	Dr	50	4	36	Oh	-----	-----	Sh	M	C	0	-----	D	A
9R1	C. Ward	Holt Bros.	1949	870	Dr	80	4	-----	Oh	30	50	Sh	M	C	3	-----	D,S	
10P1	A. Jaeger	----do----------	1948	880	Dr	71	4	-----	Oh	50	21	Sh	M	C	15	-----	D,S	A
11A1	S. C. McClain	----do----------	1949	880	Dr	60	4	-----	Oh	55	5	Ls	M	C	18	-----	D,S	A
15Q1	L. E. Chadwick	----do----------	1943	870	Dr	200	4	-----	Oh	60	140	Sh	M	--	---	1.5	N	
15Q2	----do----------	----do----------	1952	870	Dr	120	4	-----	Oh	35	85	Sh	M	--	---	-----	D,S	A
16A1	D. P. Crumm	----do----------	1948	880	Dr	58	4	-----	Oh	40	18	Sh	M	C	5	-----	S	A
18A1	H. Hatch	Holt Bros.	7-21-59	845	Dr	90	4	40	Oh	40	50	Sh	M	C	10	5	D	L, A; Dd 10 ft after 2 hr pumping at 5 gpm
18B1	Mace School	----do----------	1938	840	Dr	100	8	-----	Oh	35	65	Sh	M	C	15	125	P	
18Q1	A. E. Woodard	----do----------	12- 1-60	845	Dr	50	4	40	Oh	35	15	Sh	M	C	10	10	D	L; Reported Dd 0 ft after 1 hr bailing at 10 gpm
18R1	H. Ward	----do----------	1948	845	Dr	58	4	-----	Oh	33	23	Sh	M	C	4	-----	D	A
19C1	E. Heimbach	----do----------	7-15-60	850	Dr	46	4	46	S	40	6	G	Pl	C	20	10	D	Clay 0 to 40 ft; A; Dd 4 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
22L1	D. Harris	----do----------	--------	875	Dr	120	4	-----	Oh	70	50	Ls	M	C	25	7	D	A
22L2	F. A. Williams	----do----------	4-50	870	Dr	39	4	39	S	-----	-----	G	Pl	C	8	2.5	D,S	A; Screen, no 40 slot
22L3	----do----------	----do----------	1950	870	Dr	112	4	-----	-----	-----	-----	-----	----	--	---	-----	De	Dry hole; Shale at 92 to 112 ft
23Q1	E. M. Williams	----do----------	1941	895	Dr	81	4	81	-----	-----	-----	G	Pl	C	30	-----	D,S	A
24D1	W. Bratton	Swisher and Swank	--------	880	Dr	87	4	87	S	-----	-----	G	Pl	C	5	-----	D	A; Shop screen, 3-in dia, 1/16 in gauze opening
25M1	Dr. Shockley	Holt Bros.	1940	895	Dr	120	4	-----	Oh	100	20	Sh	M	C	15	-----	D	A
25N1	M. Brown	----do----------	--------	890	Dr	49	4	49	S	46	3	S,G	Pl	C	15	-----	D	A
25N2	R. Graves	----do----------	--------	890	Dr	51	4	51	S	48	3	S,G	Pl	C	18	-----	D	Screen, no 60 slot
26A1	B. G. Miller	----do----------	1936	900	Dr	75	4	-----	Oh	65	10	Ss	M	C	10	-----	D	A
26R1	J. Brown	Swisher and Swank	8-16-57	880	Dr	52	4	52	S	48	4	G	Pl	C	40	-----	D	Hardpan 0 to 48 ft; Shop screen, 3-in dia, 1/8 in gauze opening
28B1	G. Foltner	Holt Bros.	1947	800	Dr	51	4	51	S	45	6	G	Pl	C	30	-----	D,S	A; Screen, no 100 slot
29J1	L. Linn	----do----------	1949	850	Dr	120	4	120	S	-----	-----	G	Pl	C	4	-----	D,S	A
29Q1	----do----------	----do----------	11-25-59	860	Dr	136	4	136	S	134	2	G	Pl	C	14	12	D	L, A; Reported Dd 0 ft after 1 hr pumping at 12 gpm; Screen, 2 ft of 4-in dia, no 40 slot
30J1	S. H. Harris	----do----------	--------	860	Dr	40	4	40	-----	-----	-----	G	Pl	--	---	-----	S	
30R1	L. McMullen	----do----------	6- 2-61	860	Dr	132	4	128	Oh	128	4	Ls,Sh	M	C	10	10	D,S	L; Dd 15 ft after 1 hr pumping at 10 gpm
31B1	S. H. Harris	----do----------	1946	860	Dr	42	4	42	S	39	3	G	Pl	C	15	-----	D,S	A
31H1	----do----------	----do----------	--------	860	Dr	23	4	23	-----	20	3	G	Pl	C	2	-----	S	
33B1	J. J. Hubert	----do----------	1938	870	Dr	80	4	-----	Oh	50	30	Ls	M	C	30	-----	D,S	A; Reported sulphur water
35A1	Mrs. Wright	----do----------	2-13-60	885	Dr	80	4	60	S	55	5	G	Pl	C	10	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia. no 40 slot

18/3W-35H1	Mr. Feathers	----do----------	5- 3-60	880	Dr	44	4	44	S	38	6	G	Pl	C	10	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
35H2	Whitecotton Lumber Co.	----do----------	4- 6-61	880	Dr	40	4	40	S	34	6	G	Pl	C	5	10	I	L; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
36D1	Christian Church	----do----------	--------	850	Dr	53	4	53	S	49	4	G	Pl	C	16	-----	P	
36D2	Powers and Cheek	----do----------	1948	885	Dr	44	4	44	S	41	3	G	Pl	C	11	10	D	Reported Dd 0 ft pumping at 10 gpm
36D3	Mr. Myers	----do----------	1952	885	Dr	47	4	47	S	44	3	S,G	Pl	C	10	-----	D	
36D4	E. Jarvis	----do----------	10-19-59	885	Dr	50	4	50	S	46	4	G	Pl	C	15	10	D	L; Dd 5 ft after 2 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
36D5	W. Whitecotton	----do----------	1949	885	Dr	103	4	-----	Oh	99	4	Ls	M	C	11	-----	D	L
18/4W-2D1	W. Layson	----do----------	1945	810	Dr	101	4	101	Oa	-----	-----	G	Pl	C	30	-----	D,S	A
2K1	D. W. Talters	----do----------	--------	815	Dr	130	4	-----	Oh	100	30	Sh	M	--	---	-----	D	A
2M1	H. Keefe	----do----------	5-25-61	740	Dr	49	4	49	S	46	3	G	Pl	C	4	20	D	La, A; Reported Dd 0 ft after 1 hr pumping at 20 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
2R1	G. Bowman	----do----------	1952	830	Dr	37	4	38	S	-----	-----	S,G	Pl	C	12	-----	D,S	A
3A1	Frankfort Rendering Co.	Swisher and Swank	1957	760	Dr	79	-----	79	S	79	-----	S	Pl	--	---	-----	I	Hardpan 0 to 79 ft; A; Screen, no 14 slot
3D1	F. Calhoun	Holt Bros.	8-11-59	800	Dr	104	4	104	S	80	24	S,G	Pl	C	67	10	D	L, A; Reported Dd 0 ft after 3 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
3D2	L. Shriner	A. Bonebrake	10-11-45	800	Dr	165	-----	165	-----	-----	-----	G	Pl	C	85	-----	D	
3E1	Swisher and Swank	Swisher and Swank	1953	795	Dr	102	4	102	S	-----	-----	G	Pl	C	45	10	I	Shop screen, 3-in dia, 1/16 in gauze opening
3F1	Crawfordsville Motel	----do----------	--------	795	Dr	150	4	150	S	-----	-----	G	Pl	--	---	-----	P	Screen, 5 ft, no 25 slot
3F2	----do----------	----do----------	--------	795	Dr	135	4	105	Oh	-----	-----	Ss	M	--	---	-----	P	
3F3	Ben Hur Drive-in Theatre	Holt Bros.	5-49	790	Dr	135	4	-----	Oh	80	55	Sh	M	C	30	8	P	Dd 70 ft pumping at 8 gpm
3L1	J. Coons	----do----------	--------	795	Dr	114	4	114	S	104	10	G	Pl	C	38	50	P	L, A; Reported Dd 0 ft after 4 hr pumping at 50 gpm; Screen, 4 ft of 3 3/4-in dia, no 50 slot
3M1	N. Hosler	Swisher and Swank	11- 5-57	795	Dr	58	4	58	S	55	3	S,G	Pl	--	---	-----	D	A; Shop screen, 3-in dia, 1/8 in gauze opening
4A1	Crawfordsville Construction Co.	----do----------	5- 3-53	790	Dr	62	4	62	S	58	4	S,G	Pl	C	40	12	D	Shop screen, 3-in dia, 1/16 in gauze opening
4D1	Sommer Metal Craft	Holt Bros.	1944	790	Dr	200	6	-----	Oh	125	75	Sh	M	--	---	50	I	
4F1	C. Jones	Swisher and Swank	--------	705	Dr	80	4	60	Oh	-----	-----	Sh	M	--	---	10	N	
4M1	City of Crawfordsville	----------	--------	765	Du	14	5	14	Oa	-----	-----	S,G	Pl	--	6	-----	Ir	Golf course
4N2	----do----------	----------	--------	770	Dn	16	1½	10	S	-----	-----	S,G	Pl	--	---	-----	P	Do
5A1	Plastine Corporation	Holt Bros.	9-12-59	790	Dr	204	10	159	S,Oh	122 159	12 41	G,S Ls	Pl M	C	90	100	I	L; Dd 28 ft after 6 hr pumping at 100 gpm; Screen set 123 to 133 ft, 10-in dia, no 40 slot
5A2	----do----------	----do----------	1947	790	Dr	157	8	157	-----	153	4	G	Pl	C	---	80	I	
5A3	Mid-States Steel and Wire Co.	C. Krauss and Sons	1940	790	Dr	226	12	164	S,Oh	122 164	10 50	G Ls	Pl M	C C	75	75	I	L; Screen, set 122 to 132 ft, 10 ft of 12-in dia
5B1	Polar Ice and Fuel Co.	F. Branhan	1939	790	Dr	77	8	77	S	69	8	G	Pl	C	60	-----	N	Screen, 8 ft of 6-in dia, no 40 slot
5D2	----do----------	----------	1945	790	Dr	70	8	70	S	67	3	G	Pl	C	64	-----	N	Water level 56.35 ft, 3-17-50
6A1	Wabash College	Holt Bros.	7-19-57	770	Dr	126	10	126	S	106	20	G	Pl	C	91	300	A	L, A; Dd 27 ft after 8 hr pumping at 260 gpm
6C1	R. R. Donnelly and Sons	C. Krauss and Sons	1940	750	Dr	135	-----	-----	-----	96	39	G	Pl	--	---	-----	T	
6C2	----do----------	----do----------	3-41	745	Dr	129	12	129	S	99	30	G	Pl	C	84	1,000	I	Dd 5 ft after 7½ hr pumping at 880 gpm
6E1	T. L. Powell	Swisher and Swank	12-18-50	750	Dr	102	4	89	Oh	66	36	Sh	M	--	79	-----	D	Lam, A
6F1	R. L. Kinkead	----do----------	--------	735	Dr	55	-----	55	-----	-----	-----	S	Pl	--	45	12	D	
6H1	J. C. Polley	Holt Bros.	5-17-61	730	Dr	49	4	49	S	32	17	S,G	Pl	C	21	10	D	L; Reported Dd 0 ft after 2 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 30 slot
6H2	C. A. Miller	----do----------	8-15-59	730	Dr	43	4	43	S	22	21	S,G	Pl	C	18	12	D	L, A; Reported Dd 0 ft after 1 hr pumping at 12 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
6K1	M. Cooper	Swisher and Swank	11- 1-57	745	Dr	47	4	47	S	-----	-----	G	Pl	--	---	-----	D	A; Shop screen, 3-in dia, 1/8 in gauze opening

Table 4.--Records of wells, Montgomery County, Indiana--Con.

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: Depth to top (feet)	Water-bearing zone: Thickness (feet)	Water-bearing zone: Material	Water-bearing zone: Geologic age	Water-bearing zone: Ground-water occurrence	Water level (feet)	Yield (gpm)	Use	Remarks
18/4W- 6R1	Mr. Graef	Swisher and Swank	1956	780	Dr	62	4	62	S	59	3	G	Pl	--	---	-----	D	Hardpan 0 to 59 ft; Shop screen, 3-in dia, 1/16 in gauze opening
7C1	L. Huffman	F. Branhan	1929	760	Dr	90	4	-----	Oh	50	40	Sh?	M	--	---	-----	D,S	A
7J1	M. K. Brown	Swisher and Swank	1957	785	Dr	68	4	58	Oh	56	2	G	Pl	C	18	12	D	Lm, A; Water enters well around end of casing
7J2	T. Davis	Holt Bros.	12-18-59	785	Dr	72	4	56	Oh	58	16	Sh	M	--	57	5	D	L; Dd 5 ft after 1 hr pumping at 5 gpm
7J3	B. R. Goins	Swisher and Swank	5-17-58	790	Dr	80	4	62	Oh	80	20	Sh	M	--	60	-----	D	Lm
8D1	R. Townsend	Rmark and Toney	1947	790	Dr	185	-----	120	Oh	120	65	Ls	M	--	---	-----	N	Drift 0 to 120 ft
8D2	D. Copo	----do----------	1947	780	Dr	145	6	87	Oh	83	62	Sls	M	--	---	-----	P	Drift 0 to 83 ft; A
8D3	W. Williams	Holt Bros.	8-23-60	785	Dr	64	4	64	S	52	12	G	Pl	U	52	10	D,S	L, A; Reported Dd 0 ft after 2 hr pumping at 10 gpm; Screen, 2 ft of 4-in dia, no 40 slot
8E1	Dr. Richardson	----do----------	5- 4-60	785	Dr	72	4	43	Oh	43	29	Sh	M	U	43	10	D	L; Reported Dd 0 ft after 1 hr pumping at 10 gpm
8L1	A. Clodfelter	----do----------	5- 3-60	780	Dr	50	4	38	Oh	38	12	Sh	M	C	15	12	D	L, A; Reported Dd 0 ft after 1 hr pumping at 12 gpm
9A1	Mr. Valliere	----do----------	--------	785	Dr	60	4	60	-----	-----	-----	G	Pl	--	---	-----	D,S	A
9F1	A. R. Stevens	Swisher and Swank	--------	795	Dr	30	-----	30	-----	-----	-----	G	Pl	--	16	12	D,S	A; Reported Dd 0 ft after pumping at 12 gpm
9M1	F. Clark	Holt Bros.	--------	800	Dr	78	4	78	-----	-----	-----	G	Pl	--	---	-----	D	A
9M2	----do----------	----do----------	1949	810	Dr	60	4	-----	-----	-----	-----	-----	-----	--	15	-----	Do	Dry hole; Shale 40 to 60 ft
9M3	----do----------	----do----------	--------	800	Dr	45	4	45	Oo	40	5	Sh	M	C	22	10	D	Clay 0 to 40 ft; Reported Dd 0 ft after 1 hr pumping at 10 gpm
10M1	M. E. Clarkson	----do----------	--------	800	Dr	80	4	80	-----	-----	-----	G	Pl	C	30	-----	D,S	A
11J1	Mr. Hodges	----do----------	9-19-59	830	Dr	41	4	41	S	37	4	G	Pl	C	15	7	D	Clay 0 to 37 ft; A; Dd 10 ft after 2 hr pumping at 7 gpm; Screen, 2 ft of 4-in dia, no 40 slot
14A1	C. Morrow	----do----------	--------	835	Dr	70	4	-----	Oh	50	20	Sh	M	--	---	-----	D	A
15A1	M. Ellis	----do----------	8-26-60	820	Dr	80	4	50	Oh	40	20	Sh	M	C	12	10	D	L, A: Dd 3 ft after 1 hr pumping at 10 gpm
15C1	L. Glover	Swisher and Swank	4- 2-58	820	Dr	78	4	56	Oh	56	20	Sh	M	--	---	-----	D,S	Hardpan 0 to 56 ft, A
16D1	D. Coffman	----do----------	--------	815	Dr	68	4	68	S	-----	-----	G	Pl	--	---	-----	D,S	A; Shop screen, 3-in dia, 1/16 in gauze opening
16G1	R. Moater, Jr.	A. Armentrout	2-09	830	Dr	78	4	68	Oh	66	12	Sh?	M	C	15	-----	D,S	
17M1	K. Smith	Swisher and Swank	4-24-58	810	Dr	64	4	54	Oh	54	10	Sh	M	C	14	12	P	Lm; Water level 14.1 ft, 10-15-58
18J1	----do----------	Mr. Morris	--------	820	Dr	80	4	60	Oh	60	20	Sh?	M	C	18	-----	P	A
18M1	L. Morgan	J. Dorsey	--------	790	Dr	92	-----	-----	Oh	-----	-----	Sh?	M	--	---	-----	D,S	A
18R1	D. Causare	Holt Bros.	11- 4-59	815	Dr	72	4	55	Oh	50	22	Sh	M	C	41	10	D	L, A; Dd 10 ft after 2 hr pumping at 10 gpm
20D1	M. C. Eisen	Swisher and Swank	1957	810	Dr	53	4	53	P	46	2	G	Pl	C	18	-----	D	Lm, A
20D2	J. S. Young	----do----------	7- 2-58	800	Dr	32	4	32	-----	30	2	G	Pl	U	30	12	D	Lm
21B1	J. E. Servies	Holt Bros.	1948	845	Dr	50	4	-----	Oh	45	5	Sh	M	C	12	-----	D	A
22K1	J. R. Yount	----do----------	1946	825	Dr	60	4	-----	Oh	40	20	Sh	M	C	30	-----	D,S	A
22N1	C. M. Ward	----do----------	1943	840	Dr	70	4	70	Oo	-----	-----	G	Pl	C	30	-----	S	A
25N1	J. M. Wingert	----do----------	1949	870	Dr	61	4	61	S	-----	-----	G	Pl	C	13	-----	D,S	A; Screen, no 60 slot
26A1	L. L. Follows	----do----------	4- 6-61	865	Dr	58	4	58	S	52	6	G	Pl	C	10	10	D	Clay 0 to 52 ft; A; Reported Dd 0 ft after 2 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
26N1	E. C. Manges	----do----------	12- 6-60	870	Dr	83	4	80	S	81	2	G	Pl	C	35	7	D,S	L, A; Dd 5 ft after 1 hr pumping at 7 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot

18/4W-26P1	----do----------	----do----------	1948	870	Dr	193	4	193	S	-----	-----	G	Pl	C	25	-----	D,S	A; Screen, no 80 slot
26Q1	C. L. Cloverdale	----do----------	1949	870	Dr	175	4	175	S	-----	-----	G	Pl	C	22	-----	D	Do
26Q2	K. Axsom	----do----------	10- 5-60	870	Dr	172	4	172	S	167	5	G	Pl	C	21	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 50 slot
27R1	K. Ward	----do----------	1947	860	Dr	300	4	-----	Oh	200	100	Sh	M	C	35	4	N	
27R2	----do----------	----do----------	--------	860	Dr	55	4	55	-----	-----	-----	G	Pl	--	---	-----	D,S	A
28A1	Y. Hicks	Swisher and Swank	1957	830	Dr	62	4	62	S	45	17	G,S	Pl	C	41	10	D	La, A; Screen, 5½ of 4-in dia, no 12 slot
30P1	A. Harris	A. Armentrout	1908	800	Dr	141	4	141	Oo	-----	-----	G	Pl	--	---	-----	D,S	A
30Q1	D. D. Douglas	----do----------	4-11	805	Dr	142	4	142	Oo	-----	-----	-----	Pl	C	40	-----	D,S	A
31N1	Dr. Woolf	----do----------	12-10	800	Dr	124	4	124	Oo	-----	-----	S	Pl	C	25	-----	N	
31N2	W. Eusenbark	----do----------	10-07	800	Dr	132	4	132	Oo	-----	-----	G	Pl	--	---	-----	N	
32C1	K. McLaughlin	Holt Bros.	1949	810	Dr	148	4	140	S	-----	-----	G	Pl	C	15	-----	D,S	A; Screen, 4 ft of no 40 slot
34B1	C. Kessler	----do----------	1944	860	Dr	250	4	-----	Oh	200	50	Sh	M	C	35	10	D,S	A
18/5W- 1D1	W. Hole	Swisher and Swank	--------	725	Dr	97	4	97	S	-----	-----	G	Pl	--	---	-----	D	Shale at 110 ft; Shop screen, 3-in dia, 1/16 in gauze opening
1C1	J. Sundorman	Holt Bros.	10-11-60	725	Dr	89	4	89	S	86	3	G	Pl	C	75	10	D	L, A; Dd 2 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
1D1	R. White	----do----------	1952	720	Dr	84	4	84	S	80	4	S,G	Pl	C	71	-----	D	A
2A1	Mr. Garrett	----do----------	3-28-60	715	Dr	79	4	79	S	73	6	G	Pl	U	73	12	D	L; Reported Dd 0 ft after 2 hr pumping at 12 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
2A3	C. Rice	----do----------	1952	720	Dr	84	4	84	S	71	13	S,G	Pl	U	71	-----	D	Dry sand and gravel 0 to 71 ft; Screen, no 60 slot
2A4	Mr. Mcmoll	----do----------	7- 8-59	715	Dr	84	4	84	S	65	19	G	Pl	U	65	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 50 slot
2A5	J. Koller	----do----------	8-18-59	710	Dr	85	4	85	S	67	18	G	Pl	U	67	10	D	La; Reported Dd 0 ft after 4 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
2B1	R. Smith	Swisher and Swank	6-30-56	700	Dr	80	4	63	Oh	60	20	Sh	M	C	14	15	D,S	L
2F1	Sportsmen Club	Holt Bros.	1949	700	Dr	70	6	-----	Oh	12	58	Sh	M	--	15	30	P	A
2G1	E. A. Williamson	Swisher and Swank	--------	720	Dr	47	-----	16	Oh	-----	-----	Sh	M	--	---	12	D	
2G2	E. Selby	Holt Bros.	4-19-61	715	Dr	42	4	22	Oh	20	20	Sh	M	C	14	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm
2G3	C. Hill	----do----------	5-31-61	715	Dr	70	4½	36	Oh	36	34	Sh,Ls	M	C	15	4	D	L, A; Dd 20 ft after 2 hr pumping at 4 gpm
2G4	----do----------	----do----------	5- 2-61	710	Dr	60	4	38	Oh	38	22	Sh,Ls	M	C	14	8	D	La; Dd 10 ft pumping at 8 gpm
3K1	M. Blake	----do----------	6-15-60	680	Dr	51	4	12	Oh	12	39	Sh	M	U	25	2	D	La, A; Dd 10 ft after 2 hr pumping at 2 gpm
3N1	G. Swank	Swisher and Swank	--------	690	Dr	85	-----	-----	Oh	3	82	Sh	M	--	---	-----	D	
8D1	L. C. McDaniel	----do----------	1957	790	Dr	29	4	29	S	25	4	S,G	Pl	C	0	12	S	Hardpan 0 to 25 ft; Shop screen, 3-in dia, 1/8 in gauze opening
8D2	----do----------	F. Branhan	--------	785	Dr	110	4	110	-----	100	10	G	Pl	--	---	-----	D,S	A
9B1	P. R. Hood	----do----------	--------	785	Dr	130	-----	130	-----	-----	-----	G	Pl	--	---	-----	D,S	A
9B2	G. Clough	Swisher and Swank	--------	770	Dr	72	4	55	Oh	71	1	Sh	M	C	56	-----	D	A
10H1	T. K. Cramer	----------	--------	740	Dr	28	36	29	-----	-----	-----	-----	Pl	--	25	-----	D	A
10K1	Boy Scouts of America	----------	1948	760	Dr	196	6	-----	-----	-----	-----	-----	----	--	---	-----	Do	Dry hole; Shale at 40 ft
10K2	----do----------	----------	--------	760	Dr	66	6	-----	Oh	30	36	Sh	M	--	36	6	N	Shale at 30 ft
10K3	----do----------	----------	--------	760	Dr	60	4	-----	Oh	32	28	Sh	M	--	---	2	---	L; Dd 20 ft bailing at 2 gpm
12L1	G. E. Saidla	----------	--------	785	Dr	72	4	-----	Oh	40	32	Sh?	M	C	30	-----	D,S	A; Rock at 40 ft
12R1	----do----------	S. Surface	--------	780	Dr	1027	2	-----	Oh	40	62	Sh?	M	--	40	-----	D,S	A
13C1	J. R. Shaver	Holt Bros.	8-27-60	770	Dr	59	4	30	Oh	20	39	Sh	M	--	28	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm
14Q1	A. G. Sanders	----do----------	1949	785	Dr	83	4	-----	-----	80	3	Cgl?	Pl	C	33	-----	D,S	A; rock at 83 ft
16D1	J. Swishor	Swishor and Swank	--------	690	Dr	72	4	72	S	-----	-----	G	Pl	C	62	10	D	A; shale at 72 ft; shop screen, 3-in dia, 1/16 in gauze opening
16G1	Mr. Linn	A. Bonebrake	11- 1-45	690	Dr	89	4	69	S	66	3	S,G	Pl	C	51	-----	D	A
17G1	E. Sarver	Holt Bros.	1941	710	Dr	75	6	-----	Oh	50	25	Sh	M	C	40	-----	D	A
17K1	W. Hayes, Jr.	----do----------	1949	745	Dr	92	4	-----	Oh	45	47	Sh	M	--	87	-----	D	A; shale at 45 ft; Well deepened by Swishor and Swank
						115	4	55	Oh	-----	1	Sh	M	--	80	-----		
18C1	J. Gibson	----do----------	1949	750	Dr	100	4	-----	Oh	70	30	Sh	M	C	13	-----	D	
18E1	E. Mills	Swisher and Swank	--------	770	Dr	95	4	75	Oh	-----	-----	Sh?	M	--	---	-----	D,S	A
19N1	G. Weir	Holt Bros.	1942	735	Dr	42	4	-----	Oh	30	12	Sh	M	U	30	-----	D,S	A
22R1	T. Z. Hall	----------	--------	770	Du	28	30	28	-----	-----	-----	-----	Pl	--	---	-----	D,S	A

Table 4.--Records of wells, Montgomery County, Indiana--Cont.

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: Depth to top (feet)	Water-bearing zone: Thickness (feet)	Water-bearing zone: Material	Water-bearing zone: Geologic age	Water-bearing zone: Ground-water occurrence	Water level (feet)	Yield (gpm)	Use	Remarks
18/5W-24A1	R. W. Smith	Swisher and Swank	--------	770	Dr	86	4	47	Oh	-----	-----	Sh	M	--	---	-----	D,S	A
24C1	S. Harris	Holt Bros.	4-11-61	790	Dr	110	4	31	Oh	30	80	Sh	M	--	30	7	D,S	Clay 0 to 30 ft; A; Dd 30 ft after 2 hr pumping at 7 gpm
26B1	R. D. Patton	----------	--------	780	Dr	203	4	31	Oh	31	172	Sh	M	--	---	-----	D	A
26B2	----do----------	Swisher and Swank	--------	775	Dr	174	4	32	Oh	-----	-----	Sh?	M	--	---	-----	S	
27G1	Mr. Smith	----do----------	--------	765	Dr	113	-----	-----	Oh	-----	-----	Sh	M	--	---	-----	D,S	A
29K1	V. Mitchell	Holt Bros.	11- 9-59	710	Dr	100	4	80	Oh	40	60	Sh	M	--	62	10	D	Clay 0 to 40 ft; A; Reported Dd 0 ft after 2 hr pumping at 10 gpm
31C1	J. Wilson	W. L. Laughlin	8-28-60	630	Dr	150	6	50	Oh	50	100	Sh-ls	M	C	33	6	D,S	L, A; Dd 70 ft after 1 hr bailing at 6 gpm
31J1	A. E. Rice	A. Armentrout	--------	770	Dr	81	4	44	Oh	44	47	Sh?	M	U?	68	-----	N	
31J2	----do----------	Holt Bros.	8-27-60	770	Dr	80	4	30	Oh	30	20	Sh	M	U?	34	5	D	Clay 0 to 30 ft; A; Dd 2 ft after 2 hr pumping at 5 gpm
31L1	H. Miles	A. Armentrout	12-13	725	Dr	62	4	34	Oh	34	28	Sh?	M	U?	48	-----	D	A; Rock at 34 ft
32D1	J. Stewart	Holt Bros.	11-10-59	660	Dr	84	4	44	Oh	40	44	Sh	M	U?	40	2.5	D	Clay 0 to 40 ft; A; Reported Dd 0 ft after ½ hr pumping at 2.5 gpm
32E1	R. E. Simpers	M. Crabb	6-53	650	Dr	164	4	10	Oh	164	-----	-----	M	C	4	-----	D	Lam, A; Water from shale and limestone contact at 164 ft
32H1	J. N. Dawson	Holt Bros.	1949	690	Dr	265	4	-----	-----	-----	-----	-----	----	--	---	-----	N	Dry hole; Shale at 14 ft
33R1	J. Van Cleave	----do----------	5-18-60	705	Dr	40	4	40	S	38	2	G	Pl	C	27	7	D	L, A; Reported Dd 0 ft after 1 hr pumping at 7 gpm; Screen, 2 ft of 3 3/4-in dia, no 30 slot
34H1	F. Johnson	----do----------	8-13-59	765	Dr	113	4	70	Oh	63	50	Sh	M	C	57	12	D	L, A; Reported Dd 0 ft after 5 hr pumping at 12 gpm
34P1	J. M. Beeson	A. Armentrout	4-10	780	Dr	82	4	82	-----	-----	-----	G	Pl	C	23	-----	D,S	A
36H1	P. Barker	Holt Bros.	5-12-61	790	Dr	136	4	110	Oh	110	26	Sh	M	C	10	2.5	D	L, A; Dd 90 ft after 1 hr pumping at 2.5 gpm
36J1	R. Hoster	A. Armentrout	1808	795	Dr	100	4	91	Oh	91	9	Sh?	M	--	---	-----	De	Rock at 89 ft
36K1	P. V. Keys	----do----------	9-04	800	Dr	118	4	96	Oh	96	22	Ss	M	C	25	-----	N	Rock at 96 ft
36Q1	----do----------	----do----------	--------	800	Dr	63	4	39	Oh	39	24	Sh?	M	--	---	-----	D	A; Rock at 39 ft
36Q2	----do----------	----do----------	1-11	800	Dr	100	4	97	Oh	97	3	Sh?	M	C	19	-----	S	Rock at 91 ft
36R1	B. Van Cleave	----do----------	1-09	800	Dr	83	4	42	Oh	42	41	Ss	M	C	33	-----	N	Rock at 42 ft
36R2	J. H. Armentrout	----do----------	5-12	800	Dr	68	4	80	Oh	60	5	Ss?	M	C	12	-----	N	Rock at 60 ft
18/6W- 1E1	T. E. Hall	Holt Bros.	1949	770	Dr	64	4	64	S	-----	-----	G	Pl	C	30	-----	D,S	A; Screen, no 80 slot
3Q1	G. E. Miles	----do----------	1948	750	Dr	178	4	-----	Oh	150	28	Sh	M	C	20	-----	D,S	A
11A1	A. Kashner	F. Branhan	--------	760	Dr	140	-----	140	-----	-----	-----	G	Pl	--	---	-----	N	A
12C1	E. Timmons	N. Migor and Son	6- 3-53	800	Dr	55	2	48	Oh	48	7	La	M	C	23	9	D	L, A
12J1	B. Fruits	Swisher and Swank	10-26-57	780	Dr	103	4	103	S	-----	-----	G	Pl	--	---	-----	D	A; Shop screen, 3-in dia, 1/16 in gauze opening
13A1	T. G. Pettit	----do----------	--------	755	Dr	49	4	49	S	-----	-----	G	Pl	C	20	-----	D	Do
23R1	L. Pickett	Holt Bros.	--------	820	Dr	57	4	57	-----	-----	-----	G	Pl	C	30	-----	P	A
23R2	E. Selby	----do----------	1952	815	Dr	80	4	80	S	-----	-----	S,G	Pl	C	35	12	D	A; Screen, 2½ ft of no 80 slot
23R3	A. McCormick	F. Branhan	--------	800	Dr	120	4	120	-----	-----	-----	G	Pl	--	---	-----	D	A
23R4	K. Smith	Holt Bros.	7-31-59	810	Dr	42	4	42	S	22	20	G	Pl	U	22	10	D	L; Reported Dd 0 ft after 4 hr pumping at 10 gpm
25B1	R. Hutchinson	----do----------	1948	760	Dr	80	4	-----	Oh	40	20	Sh	M	U?	45	-----	D,S	A
25K1	A. J. Rhoda	Swisher and Swank	1958	720	Dr	47	4	32	Oh	29	18	Sh	M	C	6	-----	D	Lam (partial), A; Water level 2.8 ft, 9-11-58
28B1	C. E. Carlson	F. Branhan	--------	820	Dr	115	2	115	-----	-----	-----	G	Pl	--	---	-----	D	A
27A1	E. Ellingwood, Jr.	M. Crabb	4-46	765	Dr	122	4	80	Oh	71	51	Ss	P?	C	35	-----	D,S	Lam
27P1	A. H. Heath	F. Branhan	1929	750	Dr	110	-----	-----	Oh	90	20	Ss?	P?	--	---	-----	D,S	A

18/6W-34L1	J. Sladek	M. Crabb	9-20-51	750	Dr	80	4	-----	Oh	80	-----	Sh	P?	C	25	-----	D	A; Water from streak of pebbles in shale
35E1	J. K. White	F. Branham	--------	810	Dr	180	4	-----	Oh	100	80	Sh	M	--	---	-----	D,S	A
19/3W- 1G1	F. Parsonett	N. Higer and Son	5-50	815	Dr	66	4	-----	Oh	53	13	Ls	M	C	10	10	D,S	L, A; Dd 9 ft pumping at 10 gpm
2J1	A. Anderson	----do----------	1947	815	Dr	60	2	-----	Oh	40	20	Ls	M	--	---	-----	D,S	La, A
8C1	J. A. Peterson	Holt Bros.	8-52	750	Dr	100	10	35	Oh	85	15	Ls	M	C	19	40	P	Limestone at 35 ft; Dd 8 ft after 3 hr pumping at 40 gpm; Darlington Town Supply
8D1	A. Fiddler	----do----------	3-61	760	Dr	73	4	35	Oh	35	38	Ls	M	C	27	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm
8M1	R. Lohe	----do----------	--------	790	Dr	44	4	44	S	-----	-----	S,G	Pl	C	30	-----	D	Screen, 2½ ft of no 60 slot
13M1	R. Cook	----do----------	7-20-59	835	Dr	32	4	32	-----	20	12	S,G	Pl	--	10	10	D,S	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm
14A1	R. Masten	----do----------	1938	860	Dr	130	4	-----	Oh	70	60	Sh?	M	C	40	4	D,S	A
14K1	J. Booker	----do----------	1941	850	Dr	55	4	-----	Oh	45	10	Sh?	M	C	20	-----	D,S	A
14P1	H. Roberts	----do----------	1948	855	Dr	87	4	-----	Oh	70	17	Sh?	M	C	40	-----	D	
16C1	L. D. Budd	----do----------	1944	820	Dr	75	4	-----	Oh	50	25	Sh?	M	C	35	-----	D,S	A
18P1	G. O. Smith	----do----------	1930	810	Dr	120	4	-----	Oh	100	20	Sh?	M	C	70	-----	D	A
19L1	----do----------	----do----------	1948	845	Dr	145	4	-----	-----	-----	-----	G?	Pl	--	72	-----	S	
20J1	M. H. McClasky	----do----------	--------	860	Dr	200	4	-----	-----	-----	-----	-----	----	--	---	-----	Do	Dry hole; Rock at 80 ft
21P1	F. Pickering	----do----------	1946	850	Dr	151	4	-----	Oh	148	2	Sh?	M	C	20	-----	D,S	A
21P2	----do----------	----do----------	1944	850	Dr	75	4	-----	Oh	65	10	Sh?	M	C	20	-----	N	Reported gas in gravel above rock
25P1	A. Castor	----do----------	1938	840	Dr	75	4	-----	Oh	45	30	Sh?	M	C	F	7	D,S	A
27J1	C. Wiley	----do----------	7- 1-60	850	Dr	66	4	47	Oh	47	13	Ls	M	C	25	10	D	L, A; Dd 4 ft after 1 hr pumping at 10 gpm
33H1	H. Helmback	----do----------	1945	825	Dr	81	4	-----	Oh	50	31	Ls?	M	C	F	-----	S	
33N1	Indiana State Highway Department	----do----------	8-58	820	Dr	90	4	40	Oh	70	20	Ls	M	C	24	10	P	L, A; Reported Dd 0 ft after 3 hr pumping at 10 gpm
19/4W- 1N1	L. Hole	N. Higer and Son	1956	785	Dr	72	2	-----	Oh	60	12	Ls	M	C	31	10	D,S	Clay and sand 0 to 60 ft; A
3L1	J. Cassida	Holt Bros.	1935	790	Dr	35	4	35	-----	-----	-----	G	Pl	C	15	-----	D,S	A
4K1	C. E. Hudson	----do----------	1940	790	Dr	80	4	60	S	-----	-----	G	Pl	C	30	-----	D,S	A; Screen, no 60 slot
4M1	D. Hughes	----do----------	11-21-59	790	Dr	38	4	38	S	34	4	G	Pl	C	19	10	S	Clay 0 to 34 ft; A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
5D1	R. W. Kobel	F. Branham	--------	800	Dr	150	4	-----	Oh	100	50	Ls	M	--	---	-----	D,S	A
7J1	T. Shirley	Holt Bros.	1948	765	Dr	111	4	-----	Oh	100	11	Ls	M	C	10	-----	D,S	A
9P1	G. D. Bradley	----do----------	1938	790	Dr	80	4	60	-----	-----	-----	G	Pl	C	30	-----	D,S	A
10L1	J. S. Ward	----do----------	--------	790	Dr	75	4	75	S	-----	-----	G	Pl	C	35	-----	S	Screen, no 100 slot
12D1	J. Booker	N. Higer and Son	6- 3-55	785	Dr	55	2	48	Oh	48	7	Ls	M	C	23	9	N	L
12F1	H. Deck	Swisher and Swank	1957	730	Dr	51	4	51	-----	47	4	G	Pl	--	---	-----	D,S	Lam
14B1	L. Layson	Holt Bros.	5-16-61	710	Dr	53	4	42	Oh	42	21	Sh	M	C	12	5	D	L; Dd 2 ft after 10 hr pumping at 5 gpm
14M1	C. Hinethorpe	----do----------	4-20-60	700	Dr	35	4	18	Oh	18	17	Sh	M	C	10	10	D	Sand 0 to 18 ft; Dd 2 ft after 1 hr pumping at 10 gpm
15Q1	M. E. Thompson	----do----------	1936	775	Dr	148	4	-----	Oh	90	58	Sh	M	C	80	-----	D,S	A
15R1	H. Records	----do----------	1946	770	Dr	105	4	-----	Oh	80	25	Sh	M	C	70	-----	D,S	A
16J1	G. Harper	----do----------	7-12-60	755	Dr	58	4	58	S	37	21	G	Pl	U	37	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
16J2	Keller Construction	----do----------	4-20-61	745	Dr	54	4	54	S	50	4	G	Pl	C	32	10	D	Clay 0 to 50 ft; Dd 5 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
17L1	D. Evans	----do----------	1947	755	Dr	33	4	33	S	-----	-----	G	Pl	--	---	-----	S	Screen, no 60 slot
17R1	F. Rose	----do----------	1940	760	Dr	64	4	-----	Oh	50	14	Sh	M	C	15	-----	N	
18M1	T. Agnew	----do----------	1940	750	Dr	40	4	40	-----	-----	-----	G	Pl	C	18	-----	N	
19Q1	E. Todd	----do----------	7-14-60	770	Dr	48	4	-----	Oh	30	18	Sh	M	C	18	10	D	Clay 0 to 30 ft; Reported Dd 0 ft after 1 hr pumping at 10 gpm
19R1	----do----------	----do----------	10-17-60	770	Dr	53	4	42	Oh	40	13	Sh	M	C	27	15	D	La; Reported Dd 0 ft after 1 hr pumping at 15 gpm
19R2	----do----------	----do----------	12- 3-59	770	Dr	50	4	31	Oh	31	19	Sh	M	C	26	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm

Table 4.--Records of wells, Montgomery County, Indiana--Cont.

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				
19/4W-19R3	E. Todd	Holt Bros.	1-13-60	770	Dr	59	4	43	Oh	40	19	Sh	M	C	32	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm
19R4	----do----------	----do----------	7-59	770	Dr	49	4	28	Oh	26	23	Sh	M	C	24	10	D	Do
19R5	----do----------	----do----------	5-15-61	770	Dr	50	4½	30	Oh	30	20	Sh	M	C	18	10	D	L; Reported Dd 0 ft after pumping at 10 gpm
20G1	C. E. Jolley	Swisher and Swank	1957	750	Dr	63	4	37	Oh	37	26	Sh	M	--	39	-----	D	La, A
20K1	J. McCollan	----do----------	5- 4-57	750	Dr	60	4	37	Oh	-----	-----	Sh	M	--	---	-----	D	A
23A1	M. Endicott	Holt Bros.	1949	770	Dr	45	4	-----	Oh	20	25	Sh	M	C	7	-----	D,S	
24A1	H. S. Harper	----do----------	1936	800	Dr	90?	4	-----	Oh	70	20	Sh	M	C	30	-----	D,S	A
25E1	J. B. Campbell	----do----------	1947	795	Dr	106	4	-----	Oh	80?	26	Sh	M	C	30	-----	D,S	
25G1	C. W. Hinds	----do----------	--------	810	Dr	32	4	32	-----	-----	-----	G	Pl	C	---	-----	D,S	A
27J1	O. L. Crocelius	----do----------	1948	795	Dr	81	4	-----	Oh	48	33	Sh	M	C	45	-----	D,S	
28G1	W. Redwood	----do----------	1944	760	Dr	75	4	-----	Oh	60	15	Sh	M	C	30	-----	D	A
28H1	F. Stevenson	----do----------	8-18-59	760	Dr	75	4	75	S	61	14	G	Pl	U	61	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4 in dia, no 40 slot
28H2	E. Elliott	----do----------	8-30-60	775	Dr	85	4	85	S	70	15	G	Pl	U	70	10	D	La, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
30A1	J. B. Miller	----do----------	--------	770	Dr	69	4	-----	Oh	34	35	Sh	M	C	17	-----	D	
30A2	Mr. Custor	----do----------	10- 6-60	765	Dr	55	4	28	Oh	22	33	Sh	M	C	21	10	D	Clay 0 to 22 ft; Reported Dd 0 ft after 1 hr pumping at 10 gpm
30G1	Hygrade Corp.	----do----------	4-18-61	750	Dr	46	4	46	S	41	5	G	Pl	C	18	10	S	Clay 0 to 41 ft; A; Dd 5 ft after 2 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
30J1	B. Thompson	----do----------	3-30-60	715	Dr	30	4	10	Oh	6	24	Sh	M	C	5	10	D	Reported Dd 0 ft after 1 hr pumping at 10 gpm
30J2	V. Phillips	----do----------	3-30-60	705	Dr	32	4	10	Oh	8	26	Sh	M	C	5	10	D	A; Reported Dd 0 ft after 1 hr pumping at 10 gpm
31G1	Sam Harris Packing Co.	----do----------	1937	670	Dr	58	10	58	Co	-----	-----	G	Pl	C	15	-----	N	Pumped dry at 50 gpm
31G2	----do----------	----do----------	1937	670	Dr	938	-----	-----	-----	-----	-----	-----	----	--	---	-----	T	L
31M1	Coca-Cola Bottling Co.	----do----------	6-10-60	670	Dr	63	10	03	S	23	40	S,G	Pl	U	23	325	I	L; Dd 12 ft after 6 hr pumping at 325 gpm; Screen, 20 ft of 9½-in dia, 10 ft no 40 slot, 10 ft no 60 slot
31M2	----do----------	----do----------	1937	670	Dr	71	6	71	-----	-----	-----	G?	Pl	--	---	-----	N	Water level 17.3 ft, 6-30-33
31M3	----do----------	----do----------	--------	670	Dr	100	10	-----	-----	-----	-----	G	Pl	--	---	100	N	Shale at 80 ft
										80	20	Sh	M	--	---			
31M4	----do----------	----do----------	--------	670	Dr	80	8	80	-----	-----	-----	G	Pl	--	---	60	N	
32F1	Crawfordsville Electric Light and Power Co.	----do----------	1947	670	Dr	61	10	61	S	-----	-----	G	Pl	C	+15	200	I	Dd 26 ft pumping at 200 gpm; Screen, 12 ft of 10-in dia
32F2	----do----------	----do----------	1947	670	Dr	51	10	51	S	-----	-----	G	Pl	C	+6	200	I	Do
32L1	Indiana Gas and Water Co., Inc.	H. R. Lamb	5- 4-34	680	Dr	67	15	67	S	42	25	G,S	Pl	--	---	-----	Do	L; Screen, 20 ft of 13½-in dia no 30 slot
32L2	----do----------	----do----------	12-15-38	710	Dr	48	10	48	Co	40	8	G,S	Pl	--	---	-----	N	La
32L3	----do----------	----do----------	12-15-36	710	Dr	48	10	48	Co	36	12	S,G	Pl	--	---	-----	N	La
32L4	----do----------	----do----------	1-20-41	690	Dr	82	-----	82	-----	55	18	S,G	Pl	C	+2	-----	T	L
32L5	----do----------	----do----------	9-44	700	Dr	84	16	-----	-----	31	43	S,G	Pl	C	+15	-----	P	La
32L6	----do----------	----do----------	9- 6-44	700	Dr	84	6	84	-----	31	43	S,G	Pl	C	F	-----	T	La
32L7	----do----------	Layne-Northern Co., Inc.	4-28-55	700	Dr	71	6	-----	-----	30	41	S,G	Pl	C	+2	-----	T	La

19/4W-32L8	----do----------	----do----------	7- 9-55	700	Dr	70	38 16	50 70	Gp	30	40	S,G	Pl	C	F	1,000	P	L; Dd 30 ft after 8 hr pumping at 1,025 gpm; Screen, 20 ft of 16-in dia, no 5 shutter
32L9	----do----------	R. R. Lamb	9-15-44	690	Dr	78	6	-----	-----	44	12	S,G	Pl	C	F	-----	T	La
32L10	----do----------	Layne-Northern Co., Inc.	4-28-53	700	Dr	90	8	-----	-----	57	20	S,G	Pl	C	F	-----	T	La
32L11	----do----------	----do----------	4-22-53	700	Dr	42	8	-----	-----	6	22	S,G	Pl	U	G	-----	T	La
32L12	----do----------	----do----------	5-23-53	700	Dr	77	10	77	S	57	20	S,G	Pl	C	F	608	P	La; Dd 43 ft pumping at 608 gpm; Screen, 20 ft of 12-in dia, no 5 shutter
32L13	----do----------	R. R. Lamb	8-15-44	686	Dr	73	8	45	Oo	30	20	S,G	Pl	C	F	-----	O	L; Observation well Montgomery 5; W
32M1	Farmers Produce Association	Layne-Northern Co., Inc.	-------	750	Dr	113	10	113	S	108	5	G	Pl	C	49	130	I	
32M2	----do----------	----do----------	8-23-44	750	Dr	144	-----	-----	-----	53 96	19 47	S,G S,G	Pl Pl	C C	32 55	-----	T	La
32M3	----do----------	----do----------	1-12-45	750	Dr	181	12	114	Gp	96	18	S,G	Pl	C	62	138	I	L; Dd 46 ft pumping at 138 gpm; Screen, 15 ft of no 6 shutter; Well pulled back and plugged at 114 ft
32M4	Hoosier Crown Corp.	Holt Bros.	1950	730	Dr	87	3½	87	Oo	-----	-----	G	Pl	C	10	30	N	
32N1	Maplehurst Dairy	----do----------	5- 1-52	765	Dr	122	6	122	S	113	9	G	Pl	C	49	100	I	L; Screen, 10 ft of no 40 slot
32N2	Producers Dairy Products Inc.	----do----------	1938	765	Dr	178	8	-----	Oh	148	30	Sh	M	C	55	60	I	
32N3	Goodmans Department Store	----do----------	1942	705	Dr	155	6	155	S	-----	-----	G	Pl	--	---	50	A	
32P1	Ben Hur Life Association	----do----------	1941	705	Dr	185	8	-----	Oh	150	35	La	M	--	---	60	A	La
33F1	H. Greene	----do----------	1949	755	Dr	69	4	69	S	-----	-----	G	Pl	C	35	-----	D,S	Screen, no 80 slot
33J1	Crawfordsville Drive-in Theater	----do----------	--------	755	Dr	56	4	56	-----	-----	-----	G	Pl	--	---	18	P	
33M1	R. Rhoades	----do----------	--------	750	Dr	65	4	65	-----	-----	-----	G	Pl	C	35	-----	D	A
33M2	Rayboston Manhattan, Inc.	----------	--------	750	Dr	168	3	168	-----	138	30	G	Pl	C	50	-----	N	
33M3	----do----------	Holt Bros.	1950	750	Dr	168	8	168	-----	-----	-----	G	Pl	--	---	-----	I	
33R1	K. Sowman	----do----------	9-13-60	790	Dr	105	4	105	S	100	5	G	Pl	C	66	7	D	L; Dd 0 ft after 1 hr pumping at 7 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
33R2	Randolph Builders	----do----------	9-12-60	800	Dr	70	4	70	S	60	10	G	Pl	U	60	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia
33R3	D. Spoar	----do----------	6-30-60	800	Dr	78	4	78	S	68	10	G	Pl	U	69	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
33R4	Mr. Spoarn	----do----------	6-29-60	800	Dr	78	4	78	S	64	14	G	Pl	U	64	10	D	Do
34D1	D. Hayes	----do----------	10-24-60	725	Dr	42	4	42	S	35	7	G	Pl	C	32	10	D	Do
34D2	A. Kriger	----do----------	12-19-60	740	Dr	42	4	42	S	35	7	G	Pl	U	35	10	D	La; Screen, 2 ft of 4-in dia, no 40 slot
34D3	H. Dawson, Jr.	----do----------	5-17-61	730	Dr	32	4	32	S	24	8	G	Pl	U	24	10	D	La; Reported Dd 0 ft after
34E1	R. Edwards	----do----------	3- 5-61	760	Dr	71	4	71	S	65	6	G	Pl	U	65	10	D	Do
34E2	Union Savings and Loan	----do----------	11-11-60	760	Dr	70	4	70	S	60	10	G	Pl	U	60	10	D	L; Reported Dd 0 ft after 2 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
34E3	D. Maxwell	----do----------	7-26-60	760	Dr	70	4	70	S	58	12	G	Pl	U	58	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
34E4	L. Nichols	----do----------	7-23-60	765	Dr	53	4	53	S	42	11	G	Pl	U	42	-----	D	La; Screen, 2 ft of 3 3/4 in dia, no 40 slot
34E5	G. Hoster	----do----------	1960	765	Dr	53	4	53	S	45	8	G	Pl	C	39	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
34E6	H. Dawson, Jr.	----do----------	3-24-61	760	Dr	65	4	65	S	60	5	G	Pl	U	60	10	D	Do
34E7	J. D. Smith	----do----------	7-20-60	760	Dr	67	4	67	S	60	7	G	Pl	U	60	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
34E8	J. Woodard	----do----------	7-21-60	705	Dr	59	4	59	S	43	16	G	Pl	U	43	10	D	Do
34E9	J. H. Jackson	----do----------	6- 1-60	705	Dr	54	4	54	S	40	14	G	Pl	C	39	10	D	La; Reported Dd 0 ft after 1½ hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot

Table 4.--Records of wells, Montgomery County, Indiana--Cont.

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: Depth to top (feet)	Water-bearing zone: Thickness (feet)	Water-bearing zone: Material	Water-bearing zone: Geologic age	Water-bearing zone: Ground-water occurrence	Water level (feet)	Yield (gpm)	Use	Remarks
19'4W-34E10	C. Florey	Holt Bros	11- 9-60	765	Dr	53	4	53	S	40	13	G	Pl	U	40	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm: Screen, 2 ft of 3 3/4-in dia, no 40 slot
34E11	D. Harwood	----do----------	10-22-60	760	Dr	115	4	115	S	113	2	G	Pl	C	42	10	D	L, A; Reported Dd 0 ft after 4 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4 in dia, no 40 slot
34E12	D. Clark	----do----------	3-27-61	760	Dr	111	4	111	S	108	5	G	Pl	C	38	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
34E13	R. Thompson	----do----------	11- 7-60	760	Dr	97	4	97	S	94	3	G	Pl	C	50	7	D	La; Dd 10 ft after 1 hr pumping at 7 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
34E14	----do----------	Swisher and Swank	1957	760	Dr	60	4	60	S	55	4	G	Pl	--	---	-----	N	Lam; Shop screen, 3-in dia, 1/8 in gauze opening
34E15	L. Thompson	Holt Bros.	5- 1-61	760	Dr	115	4	115	S	110	5	G	Pl	C	40	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
34J1	F. Eisenbark	----do----------	9-12-59	780	Dr	45	4	45	S	37	8	G	Pl	C	35	-----	D	L, A; Screen, 2 ft of 3½-in dia, no 40 slot
34J2	J. Bundy	Swisher and Swank	1958	780	Dr	109	4	109	S	106	3	S,G	Pl	--	---	-----	D	Hardpan 0 to 106 ft; Shop screen, 3-in dia, 1/8 in gauze opening
34J3	H. C. Broadstreet	A. Honobrake	8-15-45	785	Dr	48	2	48	S	-----	-----	S,G	Pl	--	32	-----	D	La
34K1	C. Cornett	Swisher and Swank	11-17-58	730	Dr	77	4	77	S	70	7	G	Pl	U	70	-----	D	Lam, A; Shop screen, 3-in dia, 1/8 in gauze opening
34L1	Mr. Pattison	----do----------	--------	730	Dr	43	-----	43	-----	-----	-----	G	Pl	C	F	-----	D	
34M1	E. Losters	Holt Bros.	3- 8-61	765	Dr	78	4	78	S	72	6	G	Pl	C	42	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
34N1	J. Rodman	----do----------	2-20-60	800	Dr	113	4	113	S	109	4	G	Pl	C	85	12	D	L; Reported Dd 0 ft after pumping 1 hr at 12 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
34N2	Randolph Builders, Inc.	----do----------	1-12-60	800	Dr	71	4	71	S	62	9	G	Pl	U	62	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
34N3	R. Wilson	----do----------	6-23-60	800	Dr	110	4	110	S	100	10	G	Pl	C	69	10	D	Do
34N4	L. Kentner	----do----------	6-13-60	800	Dr	105	4	105	S	100	5	G	Pl	C	70	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
34N5	Randolph Builders, Inc.	----do----------	8- 8-59	800	Dr	110	4	110	S	100	10	G	Pl	C	60	10	D	La; Reported Dd 0 ft after 4 hr pumping at 10 gpm: Screen, 2 ft of 3 3/4-in dia, no 40 slot
36N6	Mr. Gusting	----do----------	8- 8-59	795	Dr	103	4	103	S	95	8	G	Pl	C	67	12	D	L; Reported Dd 0 ft after 5 hr pumping at 12 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot

19/4W- 34N7	Crawfordsville Construction Co.	Swisher and Swank	9-28-57	795	Dr	113	4	113	S	110	3	G	Pl	C	89	-----	D	Lam; Shop screen, 3-in dia, 1/16 in gauze opening
35G1	Dawson Manufacturing Co.	Holt Bros.	1950	800	Dr	118	4	116	Oo	-----	-----	G	Pl	C	50	20	I	
35G2	P. R. Mallory Co.	----do----------	12- 8-56	795	Dr	128	8	128	S	113	15	S,G	Pl	C	50	165	I	L, A; Dd 12 ft after 5 hr pumping at 105 gpm; Screen, 15 ft of 8-in dia, 10 ft of no 60 slot and 5 ft of no 40 slot
35H1	C. Sarver	----do----------	1952	815	Dr	130	4	130	S	-----	-----	S,G	Pl	C	60	-----	D	A
35N1	C. O'Dell	Northside Well Drilling	2-16-61	790	Dr	101	4	101	S	81	20	S,G	Pl	C	56	10	D	L, A; Dd 9 ft after 10 hr pumping at 10 gpm; Screen, 4 ft of 3-in dia, no 6 slot
35R1	Mr. Plank	Holt Bros.	1944	815	Dr	250	4	-----	Oh	100	150	Sh	M	C	40	-----	D	A; Well pumps dry
36E1	M. Dowd	Swisher and Swank	--------	800	Dr	136	-----	136	-----	-----	-----	G	Pl	--	---	-----	D	
36M1	W. Starns	----do----------	1956	810	Dr	132	4	132	S	129	3	G	Pl	--	---	-----	D	Hardpan 0 to 129 ft; Shop screen, 3-in dia, 1/16 in gauze opening
36M2	----do----------	----do----------	5-57	805	Dr	122	4	122	S	119	3	S,G	Pl	C	79	-----	D	Hardpan 0 to 118 ft; A; Shop screen, 3-in dia, 1/16 in gauze size
19/5W- 1D1	D. Clodfilter	Holt Bros.	1949	805	Dr	85	4	85	Oo	-----	-----	G	Pl	C	15	-----	N	
2G1	C. Taylor	----do----------	10-24-59	810	Dr	79	4	75	Oh	70	9	Sh	M	C	11	30	D	L; Dd 10 ft bailing at 30 gpm
3P1	Liberty Chapel	----do----------	1949	830	Dr	100	4	-----	Oh	80	20	Sh	M	C	30	-----	P	A
4A1	A. M. Saards	----do----------	1948	835	Dr	78	4	76	S	-----	-----	G	Pl	C	35	-----	D	
7A1	V. Hayes	----do----------	1949	790	Dr	68	4	68	Oo	-----	-----	G	Pl	C	20	-----	D,S	
11G1	A. D. Webster	Swisher and Swank	6-58	780	Dr	51	4	51	S	-----	-----	G	Pl	C	10	20	S	Lam; Shop screen, 1/8 in gauze opening
11P1	M. Cowan	Holt Bros.	--------	775	Dr	72	4½	63	Oh	60	12	Sh	M	C	6	10	D	L, A; Dd 5 ft pumping at 10 gpm; Well flows in wet weather
13R1	J. Sheets	----do----------	1948	745	Dr	34	-----	34	S	-----	-----	G	Pl	C	15	-----	D,S	A; Screen, no 40 slot
14L1	C. Spangler	----do----------	1-50	775	Dr	79	4	-----	Oh	60	19	Sh	M	C	12	-----	D,S	A
16C1	J. Graves	----do----------	1949	790	Dr	74	4	-----	Oh	50	24	Sh	M	C	5	-----	S	
17H1	O. Dotchon	----do----------	--------	800	Dr	70	4	-----	Oh	50	20	Sh	M	C	10	-----	N	
18Q1	L. C. Botts	----do----------	1949	790	Dr	57	4	57	S	-----	-----	G	Pl	C	15	-----	D	A; Screen, no 80 slot
19G1	C. B. Donelson	----do----------	1948	810	Dr	90	4	90	-----	-----	-----	G	Pl	C	30	-----	D,S	A
19L1	C. D. Brooks	----do----------	1942	815	Dr	82	4	62	Oo	-----	-----	G	Pl	C	30	-----	D,S	A
20B1	A. Heath	----do----------	1948	810	Dr	98	4	-----	Oh	78	20	Sh	M	C	30	-----	D,S	A
22A1	R. Cloir	Swisher and Swank	1957	780	Dr	78	4	78	S	-----	-----	G	Pl	C	15	-----	S	Shop screen, 3-in dia, 1/16 in gauze opening
22A2	----do----------	----do----------	1957	785	Dr	50	4	50	S	47	3	S,G	Pl	C	18	-----	D	Hardpan 0 to 47 ft; Shop screen, 3-in dia, 1/8 in gauze opening
22N1	N. O. Collins	Holt Bros.	1942	740	Dr	90	4	90	-----	-----	-----	G	Pl	C	30	-----	D	
23A1	C. Edwards	----do----------	1940	765	Dr	142	4	142	S	-----	-----	G	Pl	C	15	-----	D,S	A
23D1	R. Cloir	Swisher and Swank	--------	770	Dr	50	4	50	S	-----	-----	G	Pl	C	5	-----	D	Shop screen, 3-in dia, 1/8 in gauze opening
24D1	E. Davis	Holt Bros.	1950	760	Dr	50	-------	50	S	-----	-----	G	Pl	C	15	-----	D,S	A
25L1	T. Ross	----do----------	5-19-60	770	Dr	20	4	20	S	18	2	G	Pl	C	0	10	D	L; Dd 8 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
25L2	J. Morgan	Swisher and Swank	1957	770	Dr	61	4	19	Oh	-----	-----	Sh	M	C	38	-----	D	A
26E1	Mr. Holman	Holt Bros.	4-21-60	725	Dr	85	4	85	S	60	25	S,G	Pl	U	60	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
26E2	Mr. McAllester	----do----------	1947	730	Dr	79	4	79	Oo	-----	-----	G	Pl	--	65	-----	D	
26E3	Mr. Sharp	----do----------	1942	755	Dr	126	4	126	Oo	-----	-----	G	Pl	--	80	-----	D	
26E4	C. Stewart	----do----------	11- 2-59	760	Dr	50	4	50	S	43	7	G	Pl	U	43	10	D	Clay 0 to 43 ft; A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
26H1	R. C. Fouts	Swisher and Swank	1955	750	Dr	43	4	30	Oh	-----	-----	Sh	M	C	20	-----	D	
26J1	O. R. James	Holt Bros.	4-12-61	760	Dr	50	4	36	Oh	35	15	Sh	M	C	26	10	D	La; Reported Dd 0 ft after 1 hr pumping at 10 gpm
26J2	D. Hayes	----do----------	5-13-60	750	Dr	48	4	34	Oh	32	14	Sh	M	C	27	10	D	L, A; Reported Dd 0 ft after 2 hr pumping at 10 gpm
20J3	Fishero and Fishero	----do----------	12- 8-60	730	Dr	42	4	42	S	37	5	S,G	Pl	C	26	10	D	Clay and sand, 0 to 37 ft; A; Dd 5 ft after 1 hr pumping at 10 gpm

Table 4.--Records of wells Montgomery County, Indiana--Cont.

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: Depth to top (feet)	Water-bearing zone: Thickness (feet)	Water-bearing zone: Material	Water-bearing zone: Geologic age	Water-bearing zone: Ground-water occurrence	Water level (feet)	Yield (gpm)	Use	Remarks
19/5W-26L1	K. Thomas	Swisher and Swank	--------	700	Dr	68	4	68	S	-----	-----	G	Pl	--	45	10	D,S	Shop screen, 3-in dia, 1/16 in gauze opening
27R1	J. Servies	----do----------	1956	730	Dr	85	4	85	S	-----	-----	G	Pl	--	70	7	D	A; Dd 10 ft pumping at 7 gpm; Shop screen, 3-in dia, 1/8 in gauze opening
28A1	L. Layne	Holt Bros.	9-18-59	750	Dr	75	4	-----	Oh	41	34	Sh	M	C	9	30	D	L; Dd 4 ft bailing at 30 gpm
28B1	J. Murphy	----do----------	8- 8-59	780	Dr	127	4	127	Oo	127	-----	Sh	M	C	33	10	D	L; Water at clay and shale contact at 127 ft; Reported Dd 0 ft after 1 hr pumping at 10 gpm
29P1	T. A. Parish	----do----------	1949	750	Dr	31	4	31	-----	-----	-----	G	Pl	--	15	-----	D	
30R1	M. L. Schenck	----do----------	1943	765	Dr	70	4	-----	Oh	55	15	Sh	M	C	20	-----	D	A
31G1	D. W. Barnet	----do----------	1948	785	Dr	75	4	-----	Oh	60	15	Sh	M	C	20	-----	D	A
31J1	J. Henry	----do----------	1949	790	Dr	135	4	135	S	-----	-----	G	Pl	C	30	-----	D,S	A; Screen, 4 ft, no 40 slot
31R1	G. E. Larow	----do----------	--------	780	Dr	120	4	120	S	-----	-----	G	Pl	--	60	-----	D,S	A
32A1	E. E. Cox	G. N. Beach	--------	770	Dr	85	4	85	S	-----	-----	G	Pl	--	---	-----	D,S	Screen set by Holt Bros., 1943
32B1	----do----------	Holt Bros.	1943	780	Dr	55	4	55	Oo	-----	-----	G	Pl	--	30	-----	D,S	A
34A1	R. Smith	Swisher and Swank	--------	680	Dr	75	-----	75	-----	-----	-----	S,G	Pl	--	---	-----	D	
34A2	P. Hendricks	Holt Bros.	7-25-59	690	Dr	46	4½	46	S	26	20	G	Pl	U	26	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
35A1	E. Henderson	----do----------	1942	760	Dr	63	4	-----	Oh	45	18	Sh	M	--	40	-----	D,S	A
36B1	J. Phillips	Swisher and Swank	1956	795	Dr	80	4	28	Oh	28	62	Sh	M	--	---	-----	D	Hardpan 0 to 28 ft; A
36B2	R. Thomas	Holt Bros.	3- 9-01	790	Dr	85	4	65	Oh	63	22	Sh	M	C	46	10	D	L; Reported Dd 0 ft after 1 hr pumping at 10 gpm
19/6W- 1R1	C. Thomas	----do----------	1949	785	Dr	70	4	70	Oo	-----	-----	G	Pl	C	20	-----	S	A
2D1	H. Humphreys	Swisher and Swank	1954	820	Dr	67	4	67	S	-----	-----	G	Pl	--	---	-----	D	A; Shop screen, 3-in dia, 1/8 in gauze opening
2D2	W. Blackford	----do----------	11-18-54	820	Dr	110	4	92	Oh	-----	-----	Ls	M	C	52	-----	D	
2E1	E. Kemp	F. Branhan	--------	825	Dr	125	4	-----	Oh	-----	-----	Sh?	M	--	---	-----	D	A
11G1	T. Hudson	Swisher and Swank	3-25-58	785	Dr	38	4	38	S	36	2	G	Pl	C	11	10	D	Hardpan 0 to 38 ft; A; Shop screen, 3-in dia, 1/8 in gauze opening
11P1	C. Wilkinson	Holt Bros.	1947	790	Dr	80	4	-----	Oh	70	10	Sh	M	C	20	-----	D,S	A
12J1	H. L. Conner	----do----------	1958	765	Dr	65	4	-----	Oh	-----	-----	Sh	M	--	---	-----	D,S	A
13N1	W. Soards	----do----------	1947	780	Dr	90	4	-----	Oh	60	30	Sh	M	--	---	-----	D,S	A
13N1	P. Rhoades	----do----------	1-12-61	780	Dr	99	4	72	Oh	67	32	Sh	M	C	35	25	D	La; Reported Dd 0 ft after bailing at 25 gpm
13N2	D. Miller and I. Strinley	----do----------	8-18-60	780	Dr	102	4	76	Oh	73	29	Sh	M	C	43	10	D,S	L; Reported Dd 0 ft after 2 hr pumping at 10 gpm
14D1	Mr. Rusk	----do----------	8-28-59	760	Dr	68	4	45	Oh	43	25	Sh	M	C	21	10	D	La, A; Dd 5 ft after 1 hr pumping at gpm
14L1	Town of Waynetown	----do----------	7-50	735	Dr	164	10	100	S	51	48	S,G	Pl	C	6	400	P	L; Dd 23 ft after 8 hr pumping at 200 gpm; Screen, 20 ft of no 40 slot
15J1	D. F. Rush	----do----------	1947	745	Dr	94	4	94	S	-----	-----	G	Pl	C	8	-----	D	A; Screen, no 100 slot
15M1	H. I. Starnes	Swisher and Swank	11-13-56	730	Dr	110	4	82	Oh	-----	-----	Sh	M	--	---	12	D	A
24C1	H. Legg	----do----------	--------	775	Dr	72	4	64	Oh	-----	-----	Sh	M	C	52	10	D,S	A
25F1	C. Gray	Holt Bros.	1949	785	Dr	54	4	-----	Oh	30	24	Sh	M	C	18	-----	D,S	
25M1	D. Moore	Swisher and Swank	10-30-57	775	Dr	40	4	35	Oh	35	5	Ls	M	C	10	-----	D,S	Hardpan 0 to 35 ft; A

27M1	T. I. Livingwood	----do----------	11-17-54	760	Dr	88	4	70	Oh	-----	-----	Ls	M	C	40	-----	D,S	A
34P1	C. Work	Holt Bros.	1947	765	Dr	33	4	33	S	-----	-----	G	Pl	C	4	-----	D	A
35J1	A. Foley	F. Branhan	--------	785	Dr	120	4	-----	Oh	100	20	Sh?	M	--	---	-----	D,S	A
36R1	J. Mullen	Holt Bros.	1948	790	Dr	65	4	65	-----	-----	-----	G	Pl	C	30	5	D,S	A
36R2	----do----------	----do----------	-------	790	Dr	216	4	150	Oh	-----	-----	-----	----	--	---	-----	Do	Dry hole; Shale at 150 ft
20/3W- 1J1	P. Boots	N. Higer and Son	9-12-80	825	Dr	84	4	84	S	78	6	S,G	Pl	C	15	22	S	L, A; Reported Dd 0 ft after 1 hr pumping at 22 gpm; Screen, 3 ft of 3-in dia, no 6 slot
1K1	----do----------	----do----------	4-14-80	825	Dr	92	4	92	S	87	5	S,G	Pl	C	18	10	D,S	L, A; Dd 4 ft after 1 hr pumping at 10 gpm; Screen, 3 ft of 3-in dia, no 6 slot
5C1	I. C. Elston, Jr	Holt Bros.	1944	800	Dr	75	4	75	-----	-----	-----	G	Pl	C	20	-----	S	A
5H1	----do----------	----do----------	1944	800	Dr	75	4	75	-----	-----	-----	G	Pl	C	20	-----	D,S	
5K1	----do----------	----do----------	1944	805	Dr	73	4	75	-----	-----	-----	G	Pl	C	20	-----	S	
5P1	----do----------	----do----------	1947	800	Dr	28	4	28	-----	-----	-----	G	Pl	C	12	-----	D	Well deepened by Holt Bros.
			1955			105	4	105				G	Pl					
7G1	R. W. Sabens	----do----------	--------	810	Dr	94	4	-----	Oh	80	14	Sh?	M	C	20	-----	D,S	A
8B1	L. M. Mitchell	----do----------	1939	800	Dr	115	4	115	-----	-----	-----	G	Pl	C	10	-----	D,S	A
10B1	J. W. Irwin	----do----------	1941	800	Dr	50	4	50	-----	-----	-----	G	Pl	C	3	-----	D,S	A
10C1	J. Gilmore	----do----------	1945	800	Dr	75	4	-----	Oh	60	15	Sh	M	C	12	-----	D,S	A
11J1	W. D. Cook	N. Higer and Son	4- 5-58	815	Dr	59	2	59	P	56	3	G	Pl	C	9	8	S	L, A
12N1	L. Waugh	Holt Bros.	1940	820	Dr	42	4	42	Oo	-----	-----	G	Pl	C	10	-----	D,S	A
16P1	W. Anderson	----do----------	1948	800	Dr	48	4	48	Oo	-----	-----	-----	----	--	---	-----	D,S	A; Rock at 48 ft
19X1	W. Tribbett	----do----------	6- 3-01	785	Dr	36	4	36	S	24	12	G	Pl	C	10	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
22A1	M. Anderson	----do----------	1948	800	Dr	41	4	-----	Oh	39	2	Ls?	M	C	10	-----	D	A
22D1	W. Anderson	----do----------	-------	800	Dr	70	4	-----	Oh	60	10	Sh	M	--	---	-----	D	A
22L1	P. Dykes	N. Higer and Son	3-17-56	810	Dr	68	2	28	Oh	28	40	Ls	M	C	18	8	S	Hardpan and gravel 0 to 28 ft; A
22R1	Bowers School	Holt Bros.	1929	810	Dr	90	4	-----	Oh	50	40	Ls	M	C	12	-----	N	
23K1	W. Keyes	----do----------	1949	820	Dr	32	4	32	Oo	-----	-----	G	Pl	C	12	-----	S	Rock at 32 ft
24M1	M. A. Clouser	----do----------	1937	820	Dr	85	4	-----	Oh	50	15	Sh	M	C	12	-----	D	
24P1	L. Waugh	----------	-------	820	Dr	66	-----	-----	Oh	44	22	Ss?	M	--	---	-----	N	L; Gorby and Loe (1880)
25H1	L. and W. Wells	N. Higer and Son	9- 2-59	820	Dr	58	4	58	S	53	5	G	Pl	C	10	10	S	L; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 3 ft of 3-in dia, no 6 slot
26C1	R. Young	----do----------	12-23-57	810	Dr	53	4	-----	Oh	25	28	Ls	M	C	8	20	S	La, A
31F1	C. Rhoads	Holt Bros.	1920	785	Dr	42	4	-----	Oh	30	12	Sh	M	--	30	-----	D,S	A
32H1	R. Anderson	----do----------	1945	800	Dr	82	4	-----	Oh	75	17	Sh	M	C	20	-----	D	
32H2	----do----------	----do----------	1940	800	Dr	32	4	32	-----	-----	-----	G	Pl	--	---	-----	S	
35H1	R. McCallister	----do----------	1-17-61	805	Dr	74	8	26	Oh	23	51	Ls,Sh	M	--	25	5	S	Clay, sandy, 0 to 23 ft; A; Dd 20 ft after 18 hr pumping at 5 gpm
35Q1	E. Anderson	N. Higer and Son	5-12-60	805	Dr	64	4	28	Oh	28	36	Ls	M	C	12	10	S	Clay and sand streaks 0 to 28 ft; Dd 7 ft after 1 hr pumping at 10 gpm
20/4W- 1E1	J. De Planty	Holt Bros.	1946	800	Dr	65	4	65	S	-----	-----	G	Pl	C	30	-----	S	Screen, 2½ ft of no 80 slot
1L1	M. Murdock	----do----------	1949	800	Dr	110	4	-----	Oh	87	23	Sh?	M	C	9	-----	D	A
1L2	Kirkpatrick Grain Elevator	----do----------	5-26-61	800	Dr	68	4	68	S	65	3	G	Pl	C	5	10	I	L, A; Dd 2 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
5E1	R. C. Todd	----do----------	--------	770	Dr	53	4	53	-----	-----	-----	G	Pl	C	15	-----	D,S	A
5R1	R. E. Menefee	----do----------	1943	790	Dr	130	4	130	-----	-----	-----	G	Pl	C	50	-----	D,S	A
5R2	----do----------	----do----------	-------	790	Dr	85	4	85	-----	-----	-----	G	Pl	--	---	-----	D	A
6P1	T. Wilkins	----do----------	1949	770	Dr	115	4	-----	Oh	80	35	Sh?	M	C	20	-----	D	A
8N1	Town of Lindon	----do----------	1941	790	Dr	85	8	85	S	-----	-----	G	Pl	C	F	120	P	Dd 4 ft pumping at 120 gpm
9A1	J. Halstead	----do----------	5-29-61	790	Dr	44	4	44	S	31	13	G	Pl	C	8	10	S	L, A; Dd 5 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
10B1	M. Dovoro	----do----------	1949	800	Dr	75	4	75	Oo	-----	-----	G	Pl	C	30	-----	D,S	A
10F1	----do----------	----do----------	1944	810	Dr	150	4	150	-----	100	50	S	Pl	--	---	-----	N	
10F2	----do----------	----do----------	1944	810	Dr	55	4	55	-----	-----	-----	G	Pl	C	20	-----	D,S	
11Q1	J. K. Johnston	----do----------	1949	800	Dr	99	4	-----	Oh	80	19	La	M	C	15	-----	D,S	A
16C1	C. M. Carlson	----do----------	1940	800	Dr	75	4	75	S	67	8	G	Pl	C	15	-----	S	
17D1	F. Nester	----do----------	1937	790	Dr	150	4	-----	Oh	90	60	Sh?	M	C	12	-----	N	
17K1	D. H. Dunkle	----do----------	1949	810	Dr	118	4	118	Oo	-----	-----	G	Pl	C	18	-----	S	
17M1	G. Martin	----do----------	1946	800	Dr	55	4	55	S	-----	-----	G	Pl	C	12	-----	N	
17N1	----do----------	----do----------	-------	800	Dr	36	4	36	-----	-----	-----	G	Pl	--	---	-----	S	A
17N2	----do----------	G. N. Beach	1939	800	Dr	200	-----	-----	Oh	125	75	Sh?	M	--	---	-----	D	A

Table 4.--Records of wells, Montgomery County--Cont.

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: Depth to top (feet)	Water-bearing zone: Thickness (feet)	Water-bearing zone: Material	Water-bearing zone: Geologic age	Water-bearing zone: Ground-water occurrence	Water level (feet)	Yield (gpm)	Use	Remarks
20/4W-18K1	J. M. Horney	Holt Bros.	8-49	800	Dr	39	4	39	-----	32	7	G	Pl	C	1	-----	S	Well flowing 9-28-50
19P1	J. Simmons	----do----------	5-22-61	830	Dr	31	4	31	S	28	3	G	Pl	C	10	10	D	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40 slot
20H1	R. E. Otten	----do----------	1944	805	Dr	180	4	-----	Oh	100	80	Sh?	M	--	---	-----	S	
31D1	P. Spitznaglo	N. Higer and Son	7-17-59	810	Dr	185	4	171	Oh	171	14	Ls	M	C	28	15	D,S	L, A; Dd 7 ft after 1 hr bailing at 15 gpm
21F1	D. W. Flaningan	Swisher and Swank	1057	790	Dr	77	4	77	S	74	3	S,G	Pl	--	---	-----	D	Hardpan 0 to 74 ft; Shop screen, 3-in dia, 1/8 in gauze opening
21L1	----do----------	----do----------	1957	790	Dr	80	4	80	S	77	3	S,G	Pl	--	---	-----	D	A; Shop screen, 3-in dia, 1/16 in gauze opening
23C1	H. B. Ward	Holt Bros.	--------	800	Dr	123	4	-----	Oh	100	23	Ls?	M	C	10	-----	D,S	A
23P1	----do----------	----do----------	--------	790	Dr	128	4	-----	Oh	100	26	Ls?	M	C	10	-----	S	A
27G1	Durham Trust	----do----------	1944	790	Dr	557	4	557	S	-----	-----	G	Pl	C	10	-----	S	
27E1	----do----------	----do----------	1944	780	Dr	557	4	557	-----	-----	-----	G	Pl	C	10	-----	S	
27N1	----do----------	----do----------	1944	780	Dr	557	4	557	-----	-----	-----	G	Pl	C	10	-----	D,S	
29D1	J. Austin	----do----------	1943	820	Dr	150	4	150	S	-----	-----	G	Pl	C	50	-----	D,S	
30W1	F. C. Goldsmith	----do----------	1950	860	Dr	109	4	109	S	97	12	G	Pl	C	36	10	D	A
30Q1	E. Todd	----do----------	1942	825	Dr	90	4	-----	Oh	-----	-----	Sh?	M	--	---	-----	D,S	A
32E1	Indiana Farm Bureau Co-op	----do----------	--------	800	Dr	112	4	-----	Oh	70	42	Sh?	M	C	12	-----	F	A
32N1	H. and H. Cochran	----do----------	1946	780	Dr	46	4	46	S	-----	-----	G	Pl	--	---	-----	S	A
33C1	----do----------	----do----------	1942	785	Dr	50	4	50	S	-----	-----	G	Pl	C	6	-----	D,S	A; Reported gas in well
36F1	H. Barkley	----do----------	1946	790	Dr	93	4	-----	Oh	40	53	Sh?	M	--	40	-----	D,S	A
20/5W-3Q1	G. Mattox	----do----------	1942	790	Dr	121	4	-----	Oh	100	21	Sh	M	C	25	-----	D,S	A
5N1	C. Davis	----do----------	1952	775	Dr	79	4	79	S	-----	-----	S,G	Pl	C	32	-----	D,S	A
8Q1	W. Joffries	A. Bonebrake	8-22-45	760	Dr	163	-----	105	Oh	-----	-----	-----	-----	--	---	-----	Do	Dry hole; Rock at 105 ft
9F1	A. Henderson	Holt Bros.	5-20-50	770	Dr	68	4	68	S	62	6	S,G	Pl	C	17	10	D,S	L, A; Reported Dd 0 ft after 1 hr pumping at 10 gpm; Screen, 2 ft of 3 3/4-in dia, no 40
9H1	Town of New Richmond	----do----------	1940	770	Dr	150	8	100	Oh	100	50	Sh	M	--	---	110	P	Dd 10 ft pumping at 110 gpm
10B1	R. Swick	----do----------	10-18-50	780	Dr	75	4	75	S	65	10	S,G	Pl	C	21	12	D,S	L, A; Reported Dd 0 ft after 1 hr bailing at 12 gpm
11R1	G. Dymaster	----do----------	1952	800	Dr	85	4	85	S	82	3	S,G	Pl	--	---	-----	D,S	A; Screen, no 60 slot
12R1	N. W. Wilkins	----do----------	1947	780	Dr	78	4	78	S	-----	-----	G	Pl	C	F	10	S	A; Screen, no 80 slot
13B1	R. Martin	----do----------	1949	800	Dr	97	4	97	Qs	-----	-----	G	Pl	C	18	-----	D,S	A
18W1	C. Barnett	----------	6- 5-49	780	Dr	871	-----	-----	-----	-----	-----	-----	-----	--	---	-----	Og	W. Graves 1; L (partial)
18R1	E. E. Wilson	Holt Bros.	1947	830	Dr	140	4	-----	Oh	130	10	Sh	M	C	60	-----	S	
21N1	J. Jarred	A. Bonebrake	10-28-49	800	Dr	103	4	100	Oh	100	3	Sh?	M	C	14	-----	D,S	A; Rock at 100 ft
22W1	C. F. Baucom	Holt Bros.	1937	775	Dr	95	4	-----	Oh	85	10	Sh	M	--	---	-----	S	A
24K1	K. Davidson	----do----------	1949	830	Dr	134	4	-----	Oh	116	18	Sh	M	C	27	-----	S	A
25Q1	R. E. Harwood	----do----------	1945	850	Dr	120	4	-----	Oh	80	40	Sh	M	C	40	-----	D	A; Reported gas in well
25R1	L. Lyons	----do----------	1940	850	Dr	85	4	85	S	-----	-----	G	Pl	C	30	-----	D,S	A
26E1	A. O. Patton	----do----------	--------	810	Dr	132	4	-----	Oh	-----	-----	Sh	M	--	---	-----	S	A
28K1	M. Pierce	----do----------	10- 1-60	830	Dr	132	4	115	Oh	112	20	Sh	M	C	30	12	D	L, A; Reported Dd 0 ft after 1 hr pumping at 12 gpm
27D1	E. Patton	----do----------	1951	800	Dr	111	4	-----	Oh	-----	-----	Sh	M	--	---	5	D,S	A
27H1	F. D. Allhands	----do----------	1940	800	Dr	100	4	-----	Oh	80	20	Sh	M	C	15	-----	D,S	A
28N1	C. A. Thomas	----do----------	1942	810	Dr	110	4	110	S	-----	-----	G	Pl	C	40	-----	S	
28H2	----do----------	----do----------	1954	810	Dr	46	4	46	S	-----	-----	G	Pl	C	14	10	D	A; Screen, no 60 slot
29G1	J. Bunnell	----do----------	1953	835	Dr	74	4	74	S	-----	-----	S,G	Pl	C	38	10	D,S	Do
29M1	Elmdale Cemetery	A. Bonebrake	10-10-45	850	Dr	137	4	134	Oh	133	4	Sh?	M	C	64	-----	P	A: Rock at 133 ft
29N1	C. Fouts	Holt Bros.	1949	850	Dr	129	4	-----	Oh	115	14	Sh	M	C	48	-----	D	A

20/5W- 30C1	C. Mitchel	Swisher and Swank	1955	830	Dr	75	4	75	S	-----	-----	G	Pl	C	45	-----	D	A; Shop screen, 3-in dia, 1/16 in gauze opening
31A1	E. Kennedy	A. Bonebrake	10-12-45	835	Dr	129	-----	118	Oh	114	15	Sh?	M	C	46	-----	D	Rock at 114 ft
31H1	A. Morrell	----do----------	8-11-45	830	Dr	113	-----	107	Oh	107	0	Sh?	M	C	42	-----	D	Rock at 107 ft
31H2	W. Fitzwater	----do----------	8-29-45	825	Dr	114	-----	102	Oh	102	12	Sh?	M	C	35	-----	D	Rock at 102 ft
31J1	J. W. Chock	----do----------	8-23-45	825	Dr	120	-----	108	Oh	108	12	Sh?	M	C	34	-----	D	La, A
31J2	T. Olin	----do----------	7-17-46	820	Dr	114	-----	105	Oh	104	10	Sh?	M	C	33	-----	S	Rock at 104 ft
31K1	O. Summers	Holt Bros.	1943	820	Dr	60	4	60	Oa	-----	-----	G	Pl	C	30	-----	D	A
32E1	R. Morrill	A. Bonebrake	9-17-45	825	Dr	110	-----	104	Oh	104	6	Sh?	M	C	39	-----	D	Rock at 104 ft
32M1	Eladale Church	----do----------	8-46	820	Dr	108	-----	103	Oh	103	5	Sh?	M	C	34	-----	P	A; Rock at 103 ft
33P1	Mr. Hines	----do----------	8-17-45	840	Dr	100	4	89	Oh	80	11	Sh	M	C	36	-----	S	A; Rock at 89 ft
34L1	L. Olin	Holt Bros.	1949	845	Dr	125	4	-----	Oh	70	55	Sh	M	C	20	-----	D,S	A
35D1	F. Patton	----do----------	1956	830	Dr	73	4	73	S	-----	-----	G	Pl	C	25	-----	D,S	A; Screen, no 40 slot
36F1	V. Melo	----do----------	1950	840	Dr	150	4	-----	Oh	120	30	Sh	M	C	30	-----	S	
36M1	F. Ratcliff	----do----------	1939	830	Dr	111	4	-----	Oh	94	17	Sh	M	C	15	-----	D,S	A
20/6W- 1K1	Coal Creek Township School	----do----------	7-53	760	Dr	184	6	184	-----	96	88	G	Pl	--	---	75	P	L, A
2L1	J. R. McCorkle	----do----------	1933	745	Dr	133	4	-----	-----	-----	-----	Sh	M	--	---	-----	D,S	
2R1	R. Moharry	----do----------	1942	750	Dr	63	4	63	-----	51	12	G	Pl	C	30	-----	D,S	A
14N1	Lodge Hall	----do----------	1950	780	Dr	121	4	-----	Oh	110	11	Sh	M	C	24	-----	N	
14N2	Switzer's Grocery Store	----do----------	--------	780	Dr	133	4	-----	Oh	100	33	Sh?	M	C	33	-----	N	
15J1	Town of Wingate	----do----------	6-10-52	770	Dr	136	10	60	Oh	78	58	Sd-sh	M	C	20	480	P	L; Dd 15.5 ft after 8 hr pumping at 250 gpm
23B1	H. Curtis	----do----------	1950	760	Dr	77	4	-----	Oh	70	7	Sh	M	C	9	-----	N	
23D1	G. S. Rothlesberger	A. Bonebrake	8- 2-46	775	Dr	111	-----	107	Oh	103	8	Sh?	M	C	20	-----	N	Rock at 103 ft
23D2	H. W. Crane	----do----------	8-10-46	775	Dr	113	-----	113	Oa	113	-----	Sh?	M	C	30	-----	N	Rock at 110 ft
24P1	H. Wilson	Holt Bros.	6-50	810	Dr	82	4	82	S	62	20	G	Pl	C	30	-----	D	A; Shale at 90 ft
25H1	B. Grenard	----do----------	1946	810	Dr	110	4	-----	Oh	100	10	Sh	M	C	20	-----	D	A
34E1	Mr. Harpal	----do----------	--------	770	Dr	55	4	55	-----	-----	-----	G	Pl	--	---	-----	D,S	A

Table 5.--Selected well logs, Montgomery County, Indiana

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

Well 17/3W-1L1

Type of record: Driller's log. Altitude: About 915 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay	12	12	
Sand	18	30	
Clay	23	53	
Sand	23	76	W. B.
Mississippian System:			
Osage Series:			
Limestone	1	77	

Well 17/3W-6M1

Type of record: Driller's log . Altitude: About 835 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Silt, sandy, with trace of clay	13.5	13.5	
Hardpan	6	19.5	
Silt, sandy, firm	5	24.5	
Hardpan	21.5	46	

Well 17/3W-16R1

Type of record: Driller's log. Altitude: About 885 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil	5	5	
Sand and mud	45	50	
Mud and gravel	43	93	
Mississippian System:			
Osage Series:			
Shale, gray	32	125	
Sandstone, hard	8	133	
Shale, gray	15	148	
Shale	78	226	
Limestone	7	233	
Shale	4	237	T. D. 784 ft

Well 17/3W-18H1

Type of record: Driller's log. Altitude: About 835 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil	1	1	
Clay, yellow	17	18	
Hardpan	1	19	
Sand	1	20	W. B.

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 17/3W-18H1--Cont.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Hardpan, brown	10	30	
Clay, blue	10	40	
Mississippian System:			
Osage Series:			
Shale, blue	12	52	
Shale	33	85	W. B. 52 to 60 ft and 67 to 85 ft
Shale, blue	108	193	W. B. 85 to 140 ft

Well 17/3W-18H2

Type of record: Driller's log. Altitude: About 835 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil	2	2	
Clay, gritty, brown	10	12	
Sand and gravel, muddy	3	15	
Clay, sandy, brown	14	29	
Mississippian System:			
Osage Series:			
Shale, gummy, gray	4	33	
Shale, hard and soft strips, gray	71	104	W. B.

Well 17/4W-16C1

Type of record: Driller's log. Altitude: About 840 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Surface and clay	42	42	
Mississippian System:			
Osage Series:			
Shale, soft, brown	9	51	
Shale, hard, brittle, blue-gray	1	52	W. B.

Well 17/4W-19Q1

Type of record: Driller's log. Altitude: About 850 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay and hardpan	60	60	
Gravel, muddy	1	61	
Clay and hardpan	31	92	
Gravel, gray	9	101	W. B.

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 17/4W-26D1

Type of record: Driller's log. Altitude: About 805 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay	60	60	
Sand and wood	12	72	
Mississippian System:			
Osage Series:			
Shale	18	90	W. B. 82 to 90 ft

Well 17/5W-1A4

Type of record: Driller's log. Altitude: About 800 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil and clay	5	5	
Clay, yellow	5	10	
Clay, sandy, blue	30	40	
Mississippian System:			
Osage Series:			
Sandstone, yellow	4	44	
Sandstone, gray	96	140	W. B.

Well 17/5W-19F1

Type of record: Driller's log. Altitude: About 796 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	8	8	
Sand, yellow	8	16	
Mississippian System:			
Osage Series:			
Limestone, blue	24	40	W. B. 20 to 21 ft
Shale, gray	3	43	
Limestone, gray	17	60	
Shale, gray	2	62	
Limestone, gray	25	87	
Shale, gray	3	90	
Shale, muddy, blue	10	100	
Shale, gray	54	154	
Shale, sandy, gray	116	270	
Sandstone, blue	50	320	
Shale, sandy, blue	50	370	
Limestone, hard, gray	5	375	T. D. 2,315 ft

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 17/5W-21E1

Type of record: Driller's log. Altitude: About 810 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay	30	30	
Sand	1	31	
Clay, sandy	50	81	
Clay	30	111	
Mississippian System:			
Osage Series:			
Shale	3	114	W. B.

Well 17/5W-21F3

Type of record: Driller's log. Altitude: About 810 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Drift	90	90	
Mississippian System:			
Osage Series:			
Limestone	9	99	
Cavity	1	100	
Sandstone, shaly, blue	16	116	

Well 17/5W-27G1

Type of record: Log from memory by owner. Altitude: About 845 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Till (?)	36	36	
Gravel	4	40	W. B.
Mississippian System:			
Osage Series:			
Limestone	57	97	W. B.

Well ~~17/5~~W-32H1

Type of record: Driller's log. Altitude: About 815 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Drift	35	35	
Mississippian System:			
Osage Series:			
Limestone and shale	85	120	
Sandstone	3	123	W. B.

Well 17/5W-36K1

Type of record: Driller's log. Altitude: About 855 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	30	30	
Clay, gray	15	45	
Limestone, gray	2	47	Boulder?
Hardpan and a trace of bluestone	3	50	
Mississippian System:			
Osage Series:			
Bluestone, soft	4	54	
Bluestone	34	88	W. B.

Well 17/6W-2E1

Type of record: Driller's log. Altitude: About 770 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	15	15	
Clay, sandy, gray	35	50	
Sand, brown	22	72	
Clay, sandy, gray	23	95	
Mississippian System:			
Osage Series:			
Shale, blue	5	100	W. B.

Well 17/6W-25P1

Type of record: Driller's log. Altitude: About 730 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, black	2	2	
Clay, yellow	2	4	
Sand	2	6	
Clay, sandy, gray	26	32	
Gravel, coarse, gray	6	38	
Clay, sandy	18	56	
Gravel, coarse, gray	8	64	
Clay	2	66	
Sand, fine	2	68	
Clay	24	92	
Mississippian? System:			
Osage Series:			
Limestone	2	94	
Clay, sandy, gray	10	104	Sandy shale
Clay, sandy, green	17	121	do
Shale, blue	39	160	

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 17/6W-36B1

Type of record: Driller's log. Altitude: About 730 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay, sandy	4	4	
Gravel and sand	13	17	
Clay, sandy	17	34.5	
Gravel	1.5	36	
Clay and sand, cemented	73	109	
Mississippian? System:			
Osage Series:			
Shale	3	112	
Sand and clay, muddy	9	121	
Shale, blue	29	150	

Well 17/6W-36E1

Type of record: Driller's log. Altitude: About 760 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	15	15	
Clay, sandy, gray	32	47	
Mississippian System:			
Osage Series:			
Shale, blue	3	50	
Shale, brown	15	65	
Shale, blue and white	6	71	
Shale, blue	29	100	

Well 17/6W-36H1

Type of record: Driller's log. Alitiude: About 760 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, black	3	3	
Clay, sandy	30	33	
Gravel	1	34	
Mississippian System:			
Meramec Series:			
Limestone, shelly, and clay	2	36	
Limestone, white	6	42	
Limestone, brown	3	45	W. B. at 45 ft
Limestone, gray	39	84	
Mississippian? System:			
Osage Series:			
Shale, blue	16	100	

Well 18/3W-18A1

Type of record: Driller's log. Altitude: About 845 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Top soil	2	2	
Hardpan	26	28	
Sand, fine	5	33	
Hardpan	7	40	
Mississippian System:			
Osage Series:			
Shale, blue	50	90	W. B.

Well 18/3W-18Q1

Type of record: Driller's log. Altitude: About 845 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil, black	2	2	
Clay, yellow	18	20	
Clay and sandy hardpan	15	35	
Mississippian System:			
Osage Series:			
Shale	15	50	W. B.

Well 18/3W-29Q1

Type of record: Driller's log. Altitude: About 860 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	61	61	
Gravel	1	62	W. B.
Clay	58	120	
Sand, muddy	4	124	
Clay	10	134	
Gravel	2	136	W. B.

Well 18/3W-30R1

Type of record: Driller's log. Altitude: About 860 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	20	20	
Clay, sandy, gray	103	123	
Sand, fine	3	126	
Mississippian System:			
Osage Series:			
Shale	2	128	
Limestone and shale	4	132	W. B.

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 18/3W-35A1

Type of record: Driller's log. Altitude: About 885 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Pit----------	5	5	
Quaternary System:			
Recent and Pleistocene Series:			
Clay, sandy----------	7	12	
Sand, muddy----------	1	13	
Clay and gray hardpan----------	42	55	
Gravel, gray----------	5	60	W. B.

Well 18/3W-35H2

Type of record: Driller's log. Altitude: About 880 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay----------	8	8	
Sand----------	7	15	
Clay----------	19	34	
Gravel----------	6	40	W. B.

Well 18/3W-36D4

Type of record: Driller's log. Altitude: About 885 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil and clay----------	28	28	
Sand----------	2	30	
Clay and hardpan----------	12	42	
Gravel----------	1	43	W. B.
Clay----------	3	46	
Gravel----------	4	50	W. B.

Well 18/3W-36D5

Type of record: Driller's log. Altitude: About 885 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Drift----------	75	75	
Mississippian System:			
Osage Series:			
Shale----------	24	99	
Limestone----------	4	103	W. B.

Well 18/4W-3D1

Type of record: Driller's log. Altitude: About 800 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow----------	21	21	
Gravel, brown----------	3	24	Dry

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 18/4W-3D1--Cont.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Hardpan, sandy, gray	3	27	
Gravel, brown	16	43	Dry
Clay and sandy hardpan	37	80	
Sand	18	98	W. B.
Gravel	6	104	W. B.

Well 18/4W-3L1

Type of record: Driller's log. Altitude: About 795 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil, black	2	2	
Clay, yellow	6	8	
Sand	1	9	
Hardpan	19	28	
Sand, muddy	7	35	
Hardpan	69	104	
Gravel, coarse	10	114	W. B.

Well 18/4W-5A1

Type of record: Driller's log. Altitude: About 790 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	15	15	
Sand	2	17	
Clay, sandy	5	22	
Gravel, brown	8	30	Dry
Hardpan, gray	21	51	
Sand and gravel	16	67	Dry
Gravel	5	72	W. B.
Hardpan, gray	50	122	
Gravel and sand	12	134	W. B.
Hardpan	16	150	
Gravel	3	153	
Clay and hardpan	5	158	
Sand and gravel	1	159	
Mississippian System:			
Osage Series:			
Limestone	41	200	W. B.
Shale, soft, blue	4	204	

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 18/4W-5A3

Type of record: Driller's log. Altitude: About 790 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Top soil and clay	20	20	
Clay and sand	30	50	
Gravel	20	70	Dry
Gravel, cemented	10	80	
Clay	20	100	
Gravel and clay	22	122	
Gravel, gray	10	132	W. B.
Clay	1	133	
Sand and gravel	12	145	
Clay	5	150	
Shale	4	154	Boulder?
Gravel	5	159	
Sand, gravel, and clay	5	164	
Mississippian System:			
Osage Series:			
Limestone, gray	50	214	W. B.
Shale	12	226	

Well 18/4W-6A1

Type of record: Driller's log. Altitude: About 770 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, sandy	8	8	
Gravel	42	50	Dry
Hardpan	41	91	
Gravel	5	96	
Sand, muddy	10	106	
Gravel	20	126	W. B.

Well 18/4W-6H1

Type of record: Driller's log. Altitude: About 730 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	15	15	
Gravel	15	30	
Clay, sandy	2	32	
Sand and gravel	17	49	W. B.

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 18/4W-6H2

Type of record: Driller's log. Altitude: About 730 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	2	2	
Gravel	16	18	Dry
Hardpan	4	22	
Sand	16	38	W. B.
Gravel	5	43	W. B.

Well 18/4W-7J2

Type of record: Driller's log. Altitude: About 785 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	6	6	
Gravel	44	50	Dry
Clay and gray hardpan	6	56	
Mississippian System:			
Osage Series:			
Shale	16	72	W. B.

Well 18/4W-8D3

Type of record: Driller's log. Altitude: About 785 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	18	18	
Clay, sandy, and gravel	34	52	
Gravel	12	64	W. B.

Well 18/4W-8E1

Type of record: Driller's log. Altitude: About 785 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	16	16	
Gravel	27	43	Dry
Mississippian System:			
Osage Series:			
Shale, blue	29	72	W. B.

Well 18/4W-8L1

Type of record: Driller's log. Altitude: About 790 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	6	6	
Hardpan	32	38	

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 18/4W-8L1--Cont.

Material	Thickness (feet)	Depth (feet)	Remarks
Mississippian System:			
Osage Series:			
Shale, blue----------	12	50	W. B.

Well 18/4W-15A1

Type of record: Driller's log. Altitude: About 820 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow----------	12	12	
Clay and hardpan----------	28	40	
Mississippian System:			
Osage Series:			
Shale, blue----------	20	60	W. B.

Well 18/4W-17M1

Type of record: Driller's log from memory. Altitude: About 810 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay----------	35	35	
Gravel----------	.5	35.5	W. B.
Clay----------	18.5	54	
Mississippian System:			
Osage Series:			
Shale----------	10	64	W. B.

Well 18/4W-18R1

Type of record: Driller's log. Altitude: About 815 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay----------	12	12	
Gravel and sand----------	8	20	Dry
Clay, gray----------	15	35	
Sand, muddy----------	2	37	
Clay, gray----------	13	50	
Mississippian System:			
Osage Series:			
Shale----------	22	72	W. B.

Well 18/4W-20D1

Type of record: Driller's log from memory. Altitude: About 810 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Hardpan----------	46	46	
Gravel----------	2	48	W. B.
Hardpan----------	5	53	

Well 18/4W-26N1

Type of record: Driller's log. Altitude: About 870 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay, brown	20	20	
Clay, gray	61.5	81.5	
Gravel, coarse, gray	1.5	83	W. B.

Well 18/4W-26Q2

Type of record: Driller's log. Altitude: About 870 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	18	18	
Clay and hardpan, gray	149	167	
Gravel	5	172	W. B.

Well 18/4W-28A1

Type of record: Driller's log from memory. Altitude: About 830 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil, black	5	5	
Hardpan	40	45	
Gravel	13	58	W. B.
Sand	4	62	W. B.
Mississippian System:			
Osage Series:			
Shale	--	62	

Well 18/5W-1C1

Type of record: Driller's log. Altitude: About 725 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	5	5	
Gravel	35	40	Dry
Clay	46	86	
Gravel	3	89	W. B.

Well 18/5W-2A1

Type of record: Driller's log. Altitude: About 715 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	6	6	
Gravel	14	20	Dry
Hardpan	13	33	
Gravel	40	73	Dry
Gravel	6	79	W. B.

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 18/5W-2A2

Type of record: Driller's log. Altitude: About 715 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay----------	4	4	
Gravel----------	62	66	Dry
Gravel----------	19	85	W. B.

Well 18/5W-2B1

Type of record: Driller's log. Altitude: About 700 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Hardpan----------	15	15	
Gravel----------	45	60	Dry
Mississippian System:			
Osage Series:			
Shale----------	20	80	W. B.

Well 18/5W-2G2

Type of record: Driller's log. Altitude: About 715 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay----------	8	8	
Gravel----------	12	20	
Mississippian System:			
Osage Series:			
Shale, blue----------	22	42	

Well 18/5W-2G3

Type of record: Driller's log. Altitude: About 715 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay and fine sand----------	23	23	
Clay, sandy----------	13	36	
Mississippian System:			
Osage Series:			
Shale and some limestone---------	34	70	W. B.

Well 18/5W-10K3

Type of record: Driller's log. Altitude: About 760 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay----------	10	10	
Hardpan----------	5	15	
Sand and gravel----------	17	32	Dry

Well 18/5W-10K3--Cont.

Material	Thickness (feet)	Depth (feet)	Remarks
Mississippian System:			
Osage Series:			
Shale	28	60	W. B.

Well 18/5W-13C1

Type of record: Driller's log. Altitude: About 770 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	15	15	
Sand	5	20	
Mississippian System:			
Osage Series:			
Shale	39	59	W. B.

Well 18/5W-31C1

Type of record: Driller's log. Altitude: About 630 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Boulders	5	5	
Gravel, dirty, yellow	15	20	
Sand and gravel, yellow	25	45	
Mississippian System:			
Osage Series:			
Shale, soft, blue	5	50	
Slate, blue to gray	50	100	
Limestone, shaly, blue	50	150	W. B.

Well 18/5W-33R1

Type of record: Driller's log. Altitude: About 795 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil	1	1	
Clay	9	10	
Hardpan, sandy	28	38	
Gravel	2	40	W. B.

Well 18/5W-34H1

Type of record: Driller's log. Altitude: About 785 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	20	20	
Hardpan, sandy, gray	43	63	
Mississippian System:			
Osage Series:			
Shale	50	113	W. B.

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 18/5W-36H1

Type of record: Driller's log. Altitude: About 790 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow----------	18	18	
Clay, sandy, gray----------	92	110	
Mississippian System:			
Osage Series:			
Shale, blue----------	26	136	W. B.

Well 18/6W-12C1

Type of record: Driller's log. Altitude: About 800 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow----------	30	30	
Clay, blue----------	18	48	
Mississippian System:			
Osage Series:			
Limestone----------	7	55	W. B.

Well 18/6W-23R4

Type of record: Driller's log. Altitude: About 810 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil----------	1	1	
Clay, yellow----------	7	8	
Hardpan, gray----------	13	21	
Gravel, brown----------	10	31	W. B. at 22 ft
Gravel, gray----------	11	42	

Well 19/3W-1G1

Type of record: Driller's log. Altitude: About 815 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil, yellow, and blue clay--	21.5	21.5	
Sand and gravel----------	2.5	24	W. B.
Clay and hardpan, gray----------	10	34	
Gravel----------	1	35	W. B.
Mississippian System:			
Osage Series:			
Clay and shale, soft----------	18	53	
Limestone, hard, blue----------	13	66	W. B.

Well 19/3W-8D1

Type of record: Driller's log. Altitude: About 760 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay	10	10	
Hardpan, sandy, and gravel	25	35	
Mississippian System:			
Osage Series:			
Limestone	38	73	W. B.

Well 19/3W-13M1

Type of record: Driller's log. Altitude: About 835 feet.

Pit	4	4	
Quaternary System:			
Recent and Pleistocene Series:			
Sand	16	20	Dry
Sand	8	28	W. B.
Gravel, coarse	4	32	W. B.

Well 19/3W-27J1

Type of record: Driller's log. Altitude: About 850 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil, clayey	8	8	
Hardpan, sandy	33	41	
Mississippian System:			
Osage Series:			
Shale, blue	6	47	
Limestone	13	60	
Shale	6	66	

Well 19/3W-33M1

Type of record: Driller's log. Altitude: About 820 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil	1	1	
Clay, yellow	9	10	
Clay and hardpan, gray	15	25	
Sand, fine	10	35	
Clay and hardpan, gray	5	40	
Mississippian System:			
Osage Series:			
Shale	30	70	
Limestone	20	90	W. B.

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.*

Well 19/4W-12D1

Type of record: Driller's log. Altitude: About 785 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	30	30	
Clay, blue	18	48	
Mississippian System:			
Osage Series:			
Limestone	7	55	W. B.

Well 19/4W-14B1

Type of record: Driller's log. Altitude: About 710 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, sandy, yellow	18	18	
Clay, sandy, gray	23	41	
Sand	1	42	
Mississippian System:			
Osage Series:			
Shale	21	63	W. B.

Well 19/4W-16J1

Type of record: Driller's log. Altitude: About 755 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	35	35	
Gravel	2	37	Dry
Gravel	21	58	W. B.

Well 19/4W-19R2

Type of record: Driller's log. Altitude: About 770 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	24	24	
Mississippian System:			
Osage Series:			
Shale, brown	7	31	
Shale, blue	19	50	W. B.

Well 19/4W-19R5

Type of record: Driller's log. Altitude: About 770 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	15	15	
Sand	3	18	
Clay, sandy	12	30	

Well 19/4W-19R5--Cont.

Material	Thickness (feet)	Depth (feet)	Remarks
Mississippian System:			
Osage Series:			
Shale----------	20	50	W. B.

Well 19/4W-28H1

Type of record: Driller's log. Altitude: About 760 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay----------	10	10	
Gravel----------	15	25	Dry
Hardpan----------	10	35	
Gravel----------	26	61	Dry
Gravel----------	14	75	W. B.

Well 19/4W-31G2

Type of record: Driller's log. Altitude: About 670 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Sand and clay----------	15	15	
Gravel----------	5	20	
Mississippian System:			
Osage Series:			
Shale, soft, blue----------	50	70	
Limestone, hard, white----------	33	103	
Shale, soft, blue----------	15	118	
Shale, hard----------	82	200	
Shale, soft----------	15	215	
Shale, hard----------	28	243	
Shale, soft----------	15	258	
Shale, limy, hard----------	57	315	
Shale, soft----------	9	324	
Shale, hard----------	28	352	
Shale, gumbo, soft----------	90	442	
Limestone, brown----------	4	446	
Shale, blue----------	4	450	
Mississippian? and Devonian? Systems:			
Shale, black and gray----------	130	580	
Devonian? System:			
Limestone, hard----------	358	938	

Well 19/4W-31H1

Type of record: Driller's log. Altitude: About 670 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay----------	12	12	
Sand and clay----------	4	16	

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 19/4W-31H1--Cont.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Sand and gravel	7	23	Dry
Sand and gravel	12	35	W. B.
Gravel	28	63	W. B.

Well 19/4W-32L1

Type of record: Driller's log. Altitude: About 690 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Gravel and boulders	13.5	13.5	
Hardpan	28.5	42	
Gravel, coarse, and fine sand	15	57	W. B.
Sand, coarse, and some gravel	10	67	W. B.

Well 19/4W-32L4

Type of record: Driller's log. Altitude: About 690 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Sand	19	19	
Hardpan	1.5	20.5	
Gravel, coarse	16.5	37	W. B.
Hardpan, blue	5	42	
Gravel coarse	2	44	
Clay, brown, and layers of gravel	3.5	47.5	
Clay, brown	2.5	50	
Gravel and hardpan	5	55	
Sand, fine, gray	8	63	W. B.
Gravel, large, clean	8	71	W. B.
Clay, blue	9.5	80.5	
Gravel	1.5	82	
Mississippian System:			
Osage Series:			
Limestone	--	82	

Well 19/4W-32L8

Type of record: Driller's log. Altitude: About 700 feet.

Fill	4	4	
Quaternary System:			
Recent and Pleistocene Series:			
Sand and gravel	6.5	10.5	
Clay	6.5	17	
Sand and gravel	2	19	
Clay	1.5	20.5	
Sand and gravel	1.5	22	

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 19/4W-32L8--Cont.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay	2	24	
Sand	.5	24.5	
Clay	5.5	30	
Sand and gravel	40	70	W. B.
Clay, gravelly	--	70	

Well 19/4W-32L13

Type of record: Driller's log. Altitude: About 686 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Sand and gravel	8.5	8.5	
Hardpan	1.5	10	
Clay, blue, and gravel	4	14	
Clay, blue	16.5	30.5	
Sand and coarse gravel	20	50.5	W. B.
Clay, gray	10.5	61	
Sand and gravel	.5	61.5	
Clay, gray	2.5	64	
Gravel	1	65	
Clay	7	72	
Mississippian System:			
Osage Series:			
Rock	1	73	Limestone?

Well 19/4W-32M3

Type of record: Driller's log. Altitude: About 750 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil	2	2	
Clay, soft, yellow	16	18	
Clay, gritty, soft	3	21	
Sand, muddy, yellow	7	28	
Gravel, sandy, coarse	11	39	
Clay, gritty, hard	23	62	
Clay, gritty, soft	7	69	
Gravel, medium	4.5	73.5	W. B.
Clay, hard	22.5	96	
Sand, medium, and some gravel	6	102	W. B.
Sand, fine, silty	12	114	W. B.
Clay, hard, and some livery sand	6	120	
Sand, livery, fine, muddy	7	127	
Sand, hard, fine	6	133	
Clay, hard, gritty	9	142	

Well 19/4W-32M3--Cont.

Material	Thickness (feet)	Depth (feet)	Remarks
Mississippian System:			
Osage Series:			
Rock	1	143	Limestone?
Rock, broken	1	144	Do
Limestone	16	160	W. B.
Shale, black	1	161	

Well 19/4W-32N1

Type of record: Driller's log. Altitude: About 765 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	19	19	
Sand and gravel	37	56	Dry
Hardpan	50	106	
Sand and gravel	7	113	W. B.
Gravel	8.5	121.5	W. B.

Well 19/4W-33R1

Type of record: Driller's log. Altitude: About 790 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	18	18	
Clay, gray	52	70	
Sand and gravel	3	73	W. B.
Clay	27	100	
Gravel	5	105	W. B.

Well 19/4W-34E2

Type of record: Driller's log. Altitude: About 760 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	4	4	
Gravel	32	36	Dry
Clay	15	51	
Gravel	9	60	Dry
Gravel	10	70	W. B.

Well 19/4W-34E11

Type of record: Driller's log. Altitude: About 760 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Gravel	50	50	Dry
Clay and hardpan	30	80	
Sand and gravel, dirty	6	86	
Clay	27	113	
Gravel	2	115	W. B.

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 19/4W-34J1

Type of record: Driller's log. Altitude: About 780 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay	15	15	
Gravel	10	25	Dry
Hardpan, sandy	12	37	
Gravel	8	45	W. B.

Well 19/4W-34M1

Type of record: Driller's log. Altitude: About 765 feet.

Fill dirt and bricks	5	5	
Quaternary System:			
Recent and Pleistocene Series:			
Clay	20	25	
Sand, fine	5	30	
Clay	25	55	
Sand, fine, muddy	3	58	
Clay	14	72	
Gravel, coarse, gray	6	78	W. B.

Well 19/4W-34N1

Type of record: Driller's log. Altitude: About 800 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	8	8	
Gravel	4	12	Dry
Clay and hardpan	97	109	
Gravel, gray	4	113	W. B.

Well 19/4W-34N4

Type of record: Driller's log. Altitude: About 800 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil and clay	3	3	
Clay, yellow	7	10	
Hardpan, sandy	20	30	
Hardpan and gravel	20	50	
Hardpan, sandy	20	70	
Hardpan, soft, muddy	30	100	
Gravel	5	105	

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 19/4W-34N6

Type of record: Driller's log. Altitude: About 795 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Top soil	2	2	
Clay, yellow	12	14	
Clay and hardpan, gray	17	31	
Gravel, yellow	3	34	Dry
Clay and hardpan	56	90	
Sand, muddy	5	95	
Gravel	8	103	W. B.

Well 19/4W-35G2

Type of record: Driller's log. Altitude: About 795 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil and clay	3	3	
Hardpan	110	113	
Sand and gravel	15	128	W. B.

Well 19/4W-35N1

Type of record: Driller's log. Altitude: About 790 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	18	18	
Clay, gray	12	30	
Clay, brown	30	60	
Clay, gray	11	71	
Clay, brown	10	81	
Quicksand and gravel, green	9	90	W. B.
Sand and gravel	11	101	W. B.

Well 19/5W-2G1

Type of record: Driller's log. Altitude: About 810 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	24	24	
Sand	6	30	
Clay	35	65	
Sand	5	70	
Mississippian System:			
Osage Series:			
Shale	9	79	W. B.

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 19/5W-11P1

Type of record: Driller's log. Altitude: About 775 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay, soft	50	50	
Sand	2	52	
Clay	8	60	
Mississippian System:			
Osage Series:			
Shale	12	72	W. B.

Well 19/5W-25L1

Type of record: Driller's log. Altitude: About 770 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, black	5	5	
Clay, yellow	13	18	
Gravel, coarse	2	20	W. B.

Well 19/5W-26E1

Type of record: Driller's log. Altitude: About 725 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	8	8	
Gravel and sand	52	60	Dry
Sand, fine	5	65	W. B.
Sand and gravel, cemented	15	80	
Gravel	5	85	W. B.

Well 19/5W-26J2

Type of record: Driller's log. Altitude: About 750 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	8	8	
Gravel	24	32	Dry
Mississippian System:			
Osage Series:			
Shale, blue	14	46	W. B.

Well 19/5W-28A1

Type of record: Driller's log. Altitude: About 660 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	5	5	
Sand	15	20	
Clay	14	34	
Sand	7	41	

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 19/5W-28A1--Cont.

Material	Thickness (feet)	Depth (feet)	Remarks
Mississippian System:			
Osage Series:			
Shale	34	75	W. B.

Well 19/5W-28B1

Type of record: Driller's log. Altitude: About 780 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil and hardpan	30	30	
Sand	1	31	
Hardpan	29	60	
Gravel	5	65	Dry
Clay	62	127	
Mississippian System:			
Osage Series:			
Shale	--	127	W. B.

Well 19/5W-34A2

Type of record: Driller's log. Altitude: About 690 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil	2	2	
Sand and gravel	24	26	Dry
Gravel	20	46	W. B.

Well 19/5W-36B2

Type of record: Driller's log. Altitude: About 790 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil and clay	2	2	
Clay, sandy	18	20	
Gravel	5	25	Dry
Clay, gray	38	63	
Mississippian System:			
Osage Series:			
Shale and boulders	22	85	W. B.; shale and limestone concretions?

Well 19/6W-13N2

Type of record: Driller's log. Altitude: About 780 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay	10	10	
Gravel	20	30	
Clay	15	45	

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 19/6W-13N2--Cont.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Sand	10	55	
Clay	18	73	
Mississippian System:			
Osage Series:			
Shale	29	102	W. B.

Well 19/6W-14L1

Type of record: Driller's log. Altitude: About 735 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil	4	4	
Sand and gravel	4	8	
Hardpan	37	45	
Sand, muddy	6	51	
Sand and gravel	31	82	W. B.
Gravel and hardpan	2	84	
Sand and gravel	15	99	W. B.
Hardpan, sandy	4	103	
Hardpan	14	117	
Gravel, cemented, and hardpan	13	130	
Mississippian System:			
Osage Series:			
Shale	33.5	163.5	

Well 20/3W-1J1

Type of record: Driller's log. Altitude: About 825 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	18	18	
Clay, gray	60	78	
Sand	3	81	W. B.
Gravel	3	84	W. B.

Well 20/3W-1K1

Type of record: Driller's log. Altitude: About 825 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow, blue, and gray, and strips of cemented gravel	54	54	
Clay, gray	33	87	
Sand and gravel	5	92	W. B.

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 20/3W-11J1

Type of record: Driller's log. Altitude: About 815 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	20	20	
Clay, blue, and strips of gravel	16	36	
Clay, blue	20	56	
Gravel	3	59	W. B.
Mississippian System:			
Osage Series:			
Limestone, hard	--	59	

Well 20/3W-11R1

Type of record: Driller's log. Altitude: About 820 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay, yellow	18	18	
Sand and gravel	4	22	
Clay, blue	18	40	
Hardpan	10	50	
Gravel, dirty	3	53	
Hardpan	3	56	
Gravel	4	60	W. B.

Well 20/3W-19K1

Type of record: Driller's log. Altitude: About 785 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay	6	6	
Gravel and clay	18	24	
Gravel, gray	12	36	W. B.

Well 20/3W-24P1

Type of record: Driller's log. Altitude: About 820 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Soil and yellow clay	20	20	
Sand, white	2	22	Dry
Mississippian System:			
Osage Series:			
Sandstone?, white	44	66	W. B.

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 20/3W-25H1

Type of record: Driller's log. Altitude: About 820 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Top soil and yellow clay---------	17	17	
Clay, gray----------	13	30	
Sand----------	9	39	
Clay and hardpan----------	14	53	
Gravel----------	5	58	W. B.

Well 20/4W-1L2

Type of record: Driller's log. Altitude: About 800 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay----------	18	18	
Sand, fine, brown----------	2	20	
Clay, sandy----------	35	55	
Gravel and some clay----------	3	58	
Clay, sandy----------	7	65	
Gravel----------	3	68	W. B.

Well 20/4W-9A1

Type of record: Driller's log. Altitude: About 790 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay, sandy----------	31	31	
Gravel, brown----------	9	40	W. B.
Gravel, gray----------	4	44	W. B.

Well 20/4W-19P1

Type of record: Driller's log. Altitude: About 830 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay----------	18	18	
Sand----------	2	20	
Clay----------	8	28	
Gravel----------	3	31	W. B.

Well 20/4W-21D1

Type of record: Driller's log. Altitude: About 810 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Top soil, yellow and blue clay---	52	52	
Sand----------	8	60	
Clay, gray, and hardpan----------	18	78	
Gravel, dirty----------	5	83	

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 20/4W-21D1--Cont.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay, gray, and strips of sand---	23	106	
Gravel, dirty, juggy----------	3	109	
Clay, gray, and hardpan----------	62	171	
Mississippian System:			
Osage Series:			
Limestone, hard, blue----------	14	185	W. B.

Well 20/5W-9F1

Type of record: Driller's log. Altitude: About 770 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay----------	12	12	
Sand----------	23	35	
Clay----------	27	62	
Sand and gravel----------	6	68	W. B.

Well 20/5W-10B1

Type of record: Driller's log. Altitude: About 780 feet.

Pit----------	4	4	
Quaternary System:			
Recent and Pleistocene Series:			
Record missing----------	11	15	
Sand----------	5	20	
Hardpan and clay----------	20	40	
Sand, fine----------	1	41	
Clay and hardpan----------	24	65	
Sand----------	6	71	W. B.
Gravel----------	4.	75	W. B.

Well 20/5W-18M1

Type of record: Driller's log. Altitude: About 780 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Clay----------	5	5	
Gravel----------	85	90	
Clay, blue----------	40	130	
Mississippian System:			
Osage Series:			
Sandstone----------	35	165	
Shale----------	100	265	
Shale, limy----------	20	285	T. D. 871 ft

Table 5.--Selected well logs, Montgomery County, Ind.--Cont.

Well 20/5W-26H1

Type of record: Driller's log. Altitude: About 830 feet.

Material	Thickness (feet)	Depth (feet)	Remarks
Quaternary System:			
Recent and Pleistocene Series:			
Clay	4	4	
Gravel	16	20	Dry
Sand, dirty, muddy	40	60	
Clay and hardpan, gray	20	80	
Sand, fine	4	84	
Clay and hardpan	28	112	
Mississippian System:			
Osage Series:			
Shale, blue	20	132	W. B.

Well 20/6W-1K1

Type of record: Driller's log. Altitude: About 760 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil	2	2	
Clay, yellow	18	20	
Hardpan	46	66	
Gravel, coarse, clean	88	154	W. B.
Mississippian System:			
Osage Series:			
Shale	30	184	

Well 20/6W-15J1

Type of record: Driller's log. Altitude: About 770 feet.

Quaternary System:			
Recent and Pleistocene Series:			
Top soil and clay	4	4	
Hardpan and blue clay	32	36	
Sand	2	38	W. B.
Hardpan	16	54	
Sand	19	73	W. B.
Hardpan	5	78	
Mississippian System:			
Osage Series:			
Shale, sandy	58	136	W. B.

Table 6.--Field chemical analyses of water from wells, Montgomery County, Ind.
(Results in parts per million)

Well number: See text for description of well-numbering system.
Geologic Age: Pl, Pleistocene; P, Pennsylvanian; M, Mississippian.
Material: Cgl, conglomerate; G, gravel; Ls, limestone; S, sand; Ss, sandstone; Sh, shale; Sh-ls, shaly limestone; Sls, siltstone.

Well	Material	Geologic Age	Date of Collection	Temperature (°F)	Iron (Fe)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, Magnesium)	Remarks
17/3W- 1L1	S	Pl	5-23-61	52	0.8	371	12	8	252	
4H1	Ls	M	8- 6-58	58	<.1	464	---	48	80	
4Q1	Ls	M	8- 6-58	63	.1	317	---	4	292	
5D1	G	Pl	8- 7-61	54	3.0	429	18	8	312	
5F1	G	Pl	8- 6-58	60	.2	590	---	8	376	
8N1	G	Pl	5-23-61	53	3.0	371	100	48	436	
11C1	Ls	M	8- 5-58	69	<.1	420	---	6	224	
11K1	G	Pl	8- 5-58	--	1.5	454	---	6	288	
13K1	Ls	M	8- 5-58	--	1.5	425	---	70	212	
14F1	L,Sh	M	8- 5-58	--	2.0	464	---	3	312	
18E1	G	Pl	8- 6-58	--	2.0	425	---	3	276	
21C1	G	Pl	8- 6-58	60	.2	468	---	6	348	
22Q1	Sh?	M	8- 5-58	60	.1	434	---	6	244	
24N1	G	Pl	8- 5-58	64	1.5	459	---	4	268	
26B1	G	Pl	8- 5-58	--	2.0	464	---	12	248	
27C1	Sh?	M	8- 5-58	58	2.0	551	---	32	256	
30G1	G	Pl	8- 6-58	60	2.0	473	---	0	276	
30P1	G	Pl	8- 6-58	60	2.0	464	---	4	284	
30R1	G	Pl	8- 6-58	56	3.0	478	---	6	280	
31Q1	Sh	M	5-23-61	54	1.0	493	12	10	228	
36Q1	----	Pl	8- 5-58	62	2.0	410	---	2	232	
17/4W- 3E1	Sh?	M	9-10-58	--	2.0	517	---	12	308	
5N1	Sh?	M	9- 8-58	58	>7.5	581	---	2	372	Gas in water
6B1	Sh?	M	9- 8-58	59	5.0	566	---	4	372	
7J1	Sh?	M	8- 5-58	61	5.0	532	---	3	352	
7N1	G	Pl	8- 5-58	55	7.5	488	---	6	296	
11H1	Sh?	M?	9- 9-58	--	3.0	493	---	6	348	
16J1	Sh?	M	9- 9-58	--	.3	273	---	30	284	
16R1	Sh?	M	9- 9-58	54	<.1	327	---	14	292	
17N1	Ls	M	8- 6-58	59	2.5	503	---	2	352	
19Q1	G	Pl	5-23-61	55	5.0	532	12	8	368	
19R1	S,G	Pl	5-23-61	53	4.0	517	13	8	324	

Table 6.--Field chemical analyses of water from wells, Montgomery Co., Ind.--Cont.

Well	Material	Geologic Age	Date of Collection	Temperature (°F)	Iron (Fe)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, Magnesium)	Remarks
17/4W-21C1	Ls	M	9-10-58	--	0.8	493	---	12	380	
22E1	Ls	M	9- 9-58	--	<.1	410	---	20	384	
25B2	G	P1	9- 8-58	62	1.0	561	---	6	380	
25C2	Sh	M	9- 8-58	--	4.0	532	---	8	416	
27J1	Ss	M	9-10-58	--	3.0	444	---	10	372	
28K1	Sh?	M	9- 8-58	--	2.0	542	---	3	364	
30Q1	Ls	M	8- 5-58	58	1.0	420	---	6	252	
31F1	G	P1	9- 8-58	57	>7.5	561	---	3	348	
32E1	Ls	M	8- 5-58	61	.1	371	---	10	316	
34F1	G?	P1	9- 8-58	57	3.0	512	---	4	352	
35A1	G	P1	8- 6-58	61	.2	473	---	0	296	
35R1	S	P1	9- 8-58	61	5.0	503	---	5	284	
17/5W- 1Q1	Ss?	M	8- 5-58	55	.5	400	---	76	314	
3Q1	Sh?	M	8- 5-58	60	2.0	478	---	2	308	
7B1	Sh	M	8- 5-58	58	.3	493	---	18	368	
9N1	Sh?	M	8- 5-58	61	1.5	464	---	3	320	
13P1	G	P1	8- 6-58	62	2.5	493	---	2	316	
13R1	Ss	M	8- 5-58	57	2.0	464	---	1	336	
21E1	Sh	M	7-20-61	56	1.5	429	14	6	272	
21F2	Sls	M	8- 5-58	61	.2	390	---	2	252	
21M1	G	P1	8- 5-58	57	2.0	493	---	2	332	
22G1	Ls	M	8- 5-58	58	1.0	498	---	4	244	
25C1	Sls	M	8- 5-58	60	.8	346	---	6	296	
27G1	Ls	M	8- 6-58	62	2.5	498	---	4	336	
27G2	----	P1	8- 6-58	55	.4	390	---	68	676	
30K1	G	P1	8- 6-58	58	3.0	468	---	2	256	
31G1	Sh	M	8- 6-58	58	.8	429	---	2	272	
32C1	G	P1	8- 5-58	53	>7.5	508	---	2	340	
32E1	G	P1	8- 5-58	65	3.0	493	---	6	348	
32H1	Ss	M	8- 5-58	56	3.0	405	---	6	240	
35K1	Ls	M	8- 5-58	55	.5	415	---	30	396	
17/6W- 2E1	Sh	M	7-20-61	--	1.0	478	30	6	376	
2H1	Sh	M	9-10-58	59	<.1	268	---	31	260	
10J1	Ss	M	9-10-58	55	.1	468	---	12	348	
11B1	Sh	M	9-10-58	58	<.1	405	---	10	320	
11N1	Ss	P	9-10-58	59	1.5	464	---	14	352	
12N1	Sh	M	9-10-58	55	3.0	439	---	4	332	
22J1	G	P1	9-10-58	57	<.1	332	---	2	268	

Table 6.--Field chemical analyses of water from wells, Montgomery Co., Ind.--Cont.

Well	Material	Geologic Age	Date of Collection	Temperature (°F)	Iron (Fe)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, Magnesium)	Remarks
17/6W-23K1	Sh	M	9-10-58	56	4.0	493	---	2	322	
25E1	Sls	M	9-10-58	56	1.0	478	---	3	280	
34C1	Ls	M	9-10-58	62	.1	405	---	13	340	
18/3W- 2P1	G	P1	5-24-61	--	3.0	434	13	8	280	
5Q1	G	P1	5-24-61	--	3.0	390	12	8	284	
6P1	G	P1	5-24-61	--	3.0	327	14	6	228	
7P1	Sh	M	5-24-61	56	.1	293	52	10	284	
10P1	Sh	M	5-24-61	55	1.0	307	13	8	212	
11A1	Ls	M	5-24-61	56	.3	322	12	12	228	
15Q2	Sh	M	9-24-58	55	3.0	625	---	2	312	
16A1	Sh	M	5-24-61	54	.8	288	14	6	200	
18A1	Sh	M	8- 7-61	57	.5	415	78	18	364	
18R1	Sh	M	5-24-61	--	1.5	415	24	30	236	
19C1	G	P1	5-24-61	56	2.0	371	14	10	280	
22L1	Ls	M	9-24-58	59	<.1	337	---	6	296	
22L2	G	P1	9-24-58	57	3.0	454	---	1	336	
23Q1	G	P1	9-24-58	57	1.5	410	---	2	228	
24D1	G	P1	9-24-58	57	1.0	478	---	2	276	
25M1	Sh	M	5-24-61	--	3.0	429	12	8	296	
25N1	S,G	P1	9-24-58	--	2.0	508	---	8	316	
26A1	Ss	M	9-24-58	56	2.0	488	---	4	296	
28B1	G	P1	9-25-58	61	2.0	449	---	6	288	
29J1	G	P1	9-25-58	56	1.5	498	---	10	296	
18/3W-29Q1	G	P1	5-24-61	55	1.5	468	16	20	288	
31B1	G	P1	9-24-58	61	2.0	498	---	4	328	
33B1	Ls	M	9-24-58	58	2.0	522	---	32	240	
35A1	G	P1	5-24-61	56	2.0	390	20	14	288	
18/4W- 2B1	G	P1	6-15-61	56	7.5	459	12	6	336	
2K1	Sh	M	6-15-61	56	.5	386	11	8	208	
2M1	G	P1	8- 9-61	--	.5	386	61	10	328	
2R1	S,G	P1	6-15-61	54	7.5	575	280	66	716	
3A1	S	P1	8- 9-61	--	1.0	473	15	6	360	
3D1	S,G	P1	8- 9-61	55	2.5	468	12	10	328	
3L1	G	P1	8- 9-61	--	1.0	390	30	8	304	
3M1	S,G	P1	6-15-61	57	1.0	444	14	8	352	
6A1	G	P1	8-10-61	54	2.0	390	55	14	360	
6E1	Sh	M	6-15-61	--	.5	381	36	10	344	

Table 6.--Field chemical analyses of water from wells, Montgomery Co., Ind.--Cont.

Well	Material	Geologic Age	Date of Collection	Temperature (°F)	Iron (Fe)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, Magnesium)	Remarks
18/4W- 6H2	S,G	P1	8- 9-61	54	0.1	376	53	22	360	
6K1	G	P1	6-15-61	--	.1	400	90	18	404	
7C1	Sh?	M	6-15-61	55	.5	390	46	12	352	
7J1	G	P1	10-15-58	56	.1	415	---	4	348	
8D2	Sls	M	6-15-61	57	.1	356	39	14	320	
8D3	G	P1	6-15-61	--	.1	342	38	26	344	
8L1	Sh	M	6-15-61	--	.1	425	19	10	336	
9A1	G	P1	6-15-61	57	3.0	459	12	14	312	
9F1	G	P1	6-15-61	--	4.0	449	13	10	316	
9M1	G	P1	6-15-61	--	1.0	449	61	18	404	
10M1	G	P1	6-15-61	56	4.0	508	11	46	320	
11J1	G	P1	6-15-61	--	4.0	498	14	16	372	
14A1	Sh	M	8-10-61	--	1.5	478	12	8	300	
15A1	Sh	M	6-15-61	56	1.0	483	11	8	348	
15C1	Sh	M	6-15-61	56	.2	468	11	8	336	
16D1	G	P1	10-15-58	60	2.0	483	---	8	322	
18J1	Sh?	M	10-15-58	55	.3	508	---	4	364	
18M1	Sh?	M	10-15-58	57	.5	498	---	10	292	
18R1	Sh	M	6-15-61	--	.5	483	11	8	364	
20D1	G	P1	10-15-58	56	3.0	561	---	4	372	
21B1	Sh	M	9-25-58	57	1.5	532	---	10	416	
22K1	Sh	M	10-15-58	58	4.0	337	---	10	264	
22N1	G	P1	9-25-58	54	2.0	449	---	18	360	
25N1	G	P1	9-25-58	56	2.0	473	---	4	284	
26A1	G	P1	6-16-61	56	.5	386	10	10	232	
26N1	G	P1	6-16-61	--	3.0	542	11	8	280	
26P1	G	P1	9-26-58	--	1.0	517	---	20	272	
26Q1	G	P1	9-26-58	--	1.5	512	---	20	276	
26Q2	G	P1	6-16-61	57	1.0	488	10	22	264	
27R2	G	P1	9-26-58	--	2.0	454	---	12	308	
28A1	G,S	P1	10-15-58	58	4.0	590	---	26	500	
30P1	G	P1	9-25-58	61	2.0	488	---	8	308	
30Q1	----	P1	9-26-58	56	2.0	459	---	4	304	
32C1	G	P1	9-25-58	59	7.5	512	---	4	380	
34B1	Sh	M	9-26-58	59	1.0	517	---	22	260	
18/5W- 1C1	G	P1	7-21-61	--	2.0	376	100	10	364	
1D1	S,G	P1	7-21-61	57	.1	371	41	10	332	
2A2	G	P1	7-21-61	--	.1	249	25	2	312	

Table 6.--Field chemical analyses of water from wells, Montgomery Co., Ind.--Cont.

Well	Material	Geologic Age	Date of Collection	Temperature (°F)	Iron (Fe)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, Magnesium)	Remarks
18/5W- 2F1	Sh	M	9-22-58	64	0.1	439	---	10	376	
2G2	Sh	M	7-21-61	57	.1	351	75	18	360	
2G3	Sh,Ls	M	8-10-61	--	.3	215	90	16	256	
3K1	Sh	M	7-21-61	--	.1	410	37	10	304	
8D2	G	P1	7-21-61	55	1.5	327	36	6	280	
9B1	G	P1	7-21-61	--	.1	420	55	14	372	
9B2	Sh	M	9-22-58	--	<.1	386	---	8	348	
10H1	----	P1	7-21-61	57	.1	386	35	12	352	
12L1	Sh?	M	9-22-58	60	.8	429	---	7	376	
12R1	Sh?	M	7-21-61	56	.3	429	90	28	460	
13C1	Sh	M	7-21-61	--	.1	390	47	10	348	
14Q1	Cgl?	P1	9-22-58	60	1.5	542	---	6	320	
16B1	G	P1	9-24-58	58	2.0	390	---	8	348	
16C1	S,G	P1	8-10-61	57	.3	425	28	14	344	
17G1	Sh	M	7-19-61	55	.5	449	17	6	348	
17K1	Sh	M	8-10-61	--	.1	454	38	12	400	
18C1	Sh	M	7-19-61	56	1.0	459	17	6	352	
18E1	Sh?	M	7-19-61	--	2.0	478	30	10	392	
19N1	Sh	M	9-11-58	--	1.5	434	---	2	312	
22R1	----	P1	7-20-61	57	.8	537	10	18	292	
24A1	Sh	M	9-22-58	65	.8	444	---	8	372	
24C1	Sh	M	8-10-61	57	.1	537	32	24	428	
26B1	Sh	M	9-22-58	--	5.0	561	---	8	320	
27G1	Sh	M	8-10-61	--	.3	459	19	10	344	
29K1	Sh	M	7-20-61	57	.5	444	24	6	376	
31C1	Sh-ls	M	7-20-61	59	1.5	586	27	12	364	
31J2	Sh	M	7-20-61	59	3.0	488	17	8	416	
31L1	Sh?	M	7-20-61	--	.1	459	51	12	400	
32D1	Sh	M	7-20-61	58	.3	376	65	16	364	
32E1	----	M	9-11-58	58	.1	508	---	12	136	
33R1	G	P1	7-20-61	59	.5	493	62	18	440	
34H1	Sh	M	7-20-61	58	3.0	464	17	6	356	
34P1	G	P1	7-20-61	--	2.5	464	20	6	348	
36H1	Sh	M	7-20-61	58	3.0	439	18	2	288	
36Q1	Sh?	M	7-20-61	57	2.0	478	14	10	352	
18/6W- 1E1	G	P1	7-19-61	54	2.0	425	27	2	340	
3Q1	Sh	M	7-19-61	56	1.0	488	13	274	260	
11A1	G	P1	7-19-61	54	1.5	312	22	24	260	

Table 6.--Field chemical analyses of water from wells, Montgomery Co., Ind.--Cont.

Well	Material	Geologic Age	Date of Collection	Temperature (°F)	Iron (Fe)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, magnesium)	Remarks
18/6W-12C1	Ls	M	7-19-61	57	1.5	395	43	8	360	
12J1	G	Pl	7-19-61	57	.5	307	36	6	276	
13A1	G	Pl	7-19-61	56	2.0	342	46	12	316	
23R1	G	Pl	9-11-58	--	<.1	503	---	19	440	
23R2	S,G	Pl	7-20-61	57	.3	508	110	24	492	
23R3	G	Pl	7-20-61	56	2.0	508	21	16	416	
25B1	Sh	M	9-11-58	62	.3	503	---	5	368	
25K1	Sh	M	9-11-58	55	3.0	503	---	6	352	
26B1	G	Pl	7-19-61	55	.5	512	130	44	564	
27P1	Ss?	P?	9-11-58	57	3.0	517	---	4	348	
34L1	Sh	P?	7-20-61	54	.5	483	14	6	360	
35E1	Sh	M	7-20-61	57	2.0	464	13	4	324	
19/3W- 1G1	Ls	M	8- 7-61	56	1.5	454	53	14	388	
2J1	Ls	M	8- 7-61	57	2.5	429	210	42	580	
8D1	Ls	M	5-25-61	--	.1	312	50	12	260	
13M1	S,G	Pl	8- 7-61	57	2.5	371	60	14	328	
14A1	Sh?	M	5-25-61	55	.8	390	16	18	140	
14K1	Sh?	M	5-25-61	--	2.0	351	13	12	288	
16C1	Sh?	M	5-25-61	56	.3	293	45	8	256	
18P1	Sh?	M	5-25-61	54	1.0	303	54	10	268	
21P1	Sh?	M	5-25-61	--	1.0	390	12	8	304	
25P1	Sh?	M	5-25-61	--	.1	459	15	14	244	
27J1	Ls	M	5-25-61	--	.8	342	20	8	248	
33M1	Ls	M	8- 7-61	54	.1	454	62	12	244	
19/4W- 1N1	Ls	M	8- 9-61	--	1.5	512	15	6	384	
3L1	G	Pl	5-26-61	56	2.5	410	36	8	320	
4K1	G	Pl	5-26-61	56	1.0	307	78	12	292	
4M1	G	Pl	5-26-61	54	1.0	366	60	18	340	
5D1	Ls	M	5-26-61	55	.1	634	35	38	16	
7J1	Ls	M	6-13-61	--	7.5	614	15	32	144	
9P1	G	Pl	5-26-61	--	1.0	293	17	8	236	
15Q1	Sh	M	6-14-61	56	.1	434	53	20	252	
15R1	Sh	M	6-14-61	55	.8	439	63	12	356	
16J1	G	Pl	5-26-61	--	1.0	293	12	8	228	
19R2	Sh	M	6-13-61	57	.5	317	68	12	296	
20G1	Sh	M	6-13-61	--	---	317	60	12	296	
20K1	Sh	M	6-13-61	56	1.0	342	41	10	284	
24A1	Sh	M	6-14-61	55	.3	420	20	8	324	

Table 6.--Field chemical analyses of water from wells, Montgomery Co., Ind.--Cont.

Well	Material	Geologic Age	Date of Collection	Temperature (°F)	Iron (Fe)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, Magnesium)	Remarks
19/4W-25G1	G	Pl	6-14-61	56	0.5	361	90	12	352	
28G1	Sh	M	6-14-61	--	.5	395	80	16	364	
28H1	G	Pl	8- 8-61	56	.2	361	95	10	364	
28H2	G	Pl	6-14-61	--	.5	386	58	28	384	
30G1	G	Pl	8- 9-61	--	1.0	434	53	10	396	
30J2	Sh	M	6-13-61	--	1.0	425	36	12	356	
33M1	G	Pl	6-13-61	57	2.0	332	95	18	352	
34E11	G	Pl	6-13-61	56	.2	459	25	16	380	
34J1	G	Pl	6-13-61	--	.1	405	29	22	368	
34K1	G	Pl	6-14-61	57	1.5	439	14	8	332	
34M1	G	Pl	6-13-61	--	.2	332	70	20	328	
34N4	G	Pl	6-14-61	--	7.5	459	13	8	328	
35G2	S,G	Pl	8- 7-61	54	1.5	464	10	6	320	
35H1	S,G	Pl	8- 9-61	--	1.5	468	11	12	220	
35N1	S,G	Pl	6-14-61	56	4.0	459	17	6	352	
35R1	Sh	M	6-14-61	57	.1	736	43	96	20	
36M2	S,G	Pl	6-14-61	56	.5	429	15	10	212	
19/5W- 3P1	Sh	M	8-16-61	57	.1	386	15	4	320	
11P1	Sh	M	8-16-61	--	.5	464	13	4	304	
13R1	G	Pl	7-19-61	57	3.0	395	85	8	404	
14L1	Sh	M	7-19-61	56	2.0	493	16	6	376	
18Q1	G	Pl	6-23-61	--	1.0	273	50	6	244	
19G1	G	Pl	6-22-61	--	7.5	259	145	30	336	
19L1	G	Pl	6-22-61	--	.5	312	80	10	292	
20B1	Sh	M	6-22-61	56	2.0	371	145	18	424	
23A1	G	Pl	7-19-61	56	1.0	410	12	14	136	
24D1	G	Pl	7-19-61	57	.3	473	95	18	460	
25L2	Sh	M	8-16-61	56	.4	386	105	16	380	
26E1	G	Pl	7-18-61	56	.1	400	46	24	400	
26E4	G	Pl	7-18-61	57	1.0	381	50	8	348	
26J2	Sh	M	7-19-61	55	.3	400	53	4	344	
26J3	S,G	Pl	8-16-61	57	.3	400	38	4	344	
27R1	G	Pl	7-18-61	56	.1	351	38	10	308	
30R1	Sh	M	6-22-61	--	.5	405	15	6	300	
31G1	Sh	M	6-22-61	57	1.0	366	14	6	240	
31J1	G	Pl	6-22-61	56	3.0	366	14	6	276	
31R1	G	Pl	6-22-61	--	3.0	332	15	6	244	

Table 6.--Field chemical analyses of water from wells, Montgomery Co., Ind.--Cont.

Well	Material	Geologic Age	Date of Collection	Temperature (°F)	Iron (Fe)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, Magnesium)	Remarks
19/5W-32B1	G	P1	6-22-61	--	2.0	288	68	20	284	
34A2	G	P1	8-16-61	--	.5	439	21	16	344	
35A1	Sh	M	7-19-61	57	1.0	395	50	10	340	
36B1	Sh	M	7-18-61	56	2.5	439	57	12	388	
19/6W- 1R1	G	P1	6-23-61	57	2.5	415	24	4	324	
2D1	G	P	6-22-61	--	1.5	317	62	12	268	
2E1	Sh?	M	6-22-61	55	2.0	386	13	6	276	
11G1	G	P1	6-22-61	55	1.0	283	90	8	320	
11P1	Sh	M	6-22-61	57	2.0	278	13	6	192	
12J1	Sh	M	8-16-61	54	2.0	429	37	8	356	
13H1	Sh	M	6-22-61	--	.3	317	14	6	240	
14D1	Sh	M	7-18-61	56	.3	420	22	8	316	
15J1	G	P1	6-22-61	--	1.0	293	27	4	228	
15M1	Sh	M	6-22-61	56	.2	376	18	6	280	
24C1	Sh	M	6-22-61	56	1.0	356	34	6	288	
25M1	Ls	M	8-16-61	57	.8	459	16	6	340	
27M1	Ls	M	6-22-61	55	3.0	429	13	6	288	
34P1	G	P1	6-22-61	56	.1	264	240	78	640	
35J1	Sh?	M	6-22-61	--	2.0	351	17	4	256	
36R1	G	P1	6-22-61	56	.1	342	12	12	216	
20/3W- 1J1	S,G	P1	8- 8-61	55	2.0	420	21	6	316	
1K1	S,G	P1	8- 8-61	57	2.0	405	33	8	328	
5C1	G	P1	9-24-58	53	>7.5	551	---	8	480	
7G1	Sh?	M	9-24-58	63	.1	390	---	8	348	
8B1	G	P1	9-24-58	56	.4	498	---	4	332	
10B1	G	P1	5-26-61	56	2.0	322	19	12	244	
10C1	Sh	M	5-26-61	56	2.0	317	18	10	224	
11J1	G	P1	8- 8-61	54	1.5	444	14	8	312	
11R1	G	P1	8- 8-61	53	1.5	434	15	6	312	
12N1	G	P1	5-26-61	54	3.0	303	45	12	268	
16P1	----	----	5-24-61	--	.1	356	24	10	284	
19K1	G	P1	8- 8-61	57	2.0	395	63	10	356	
22A1	Ls?	M	5-25-61	--	1.5	307	15	8	224	
22D1	Sh	M	5-25-61	--	1.5	337	12	10	248	
22L1	Ls	M	8- 8-61	57	.3	478	16	14	304	
26C1	Ls	M	8- 7-61	55	1.5	464	100	28	456	
31F1	Sh	M	9-24-58	63	>7.5	581	---	22	444	
35H1	Ls,Sh	M	8- 7-61	53	.3	429	67	24	268	

Table 6.--Field chemical analyses of water from wells, Montgomery Co., Ind.--Cont.

Well	Material	Geologic Age	Date of Collection	Temperature (°F)	Iron (Fe)	Bicarbonate HCO_3	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, Magnesium)	Remarks
20/4W- 1L1	Sh?	M	9-24-58	58	1.0	464	---	10	280	
1L2	G	Pl	8- 8-61	57	1.5	444	13	10	292	
5E1	G	Pl	9-26-58	64	.5	337	---	2	276	
5R1	G	Pl	9-25-58	56	1.0	478	---	10	280	
5R2	G	Pl	9-25-58	59	2.0	429	---	2	280	
6P1	Sh?	M	9-26-58	54	1.0	420	---	4	200	
9A1	G	Pl	8- 8-61	52	1.0	410	48	8	360	
10B1	G	Pl	9-24-58	60	5.0	566	---	16	508	
11Q1	Ls	M	10-15-58	55	2.5	503	---	6	328	
17N1	G	Pl	9-26-58	--	2.0	454	---	6	380	
17N2	Sh?	M	9-26-58	--	.3	586	---	70	24	
19P1	G	Pl	8- 8-61	54	1.5	346	100	12	360	
21D1	Ls	M	8- 8-61	--	1.0	517	12	24	204	
21L1	S,G	Pl	10-15-58	--	3.0	483	---	5	372	
23C1	Ls	M	9-24-58	56	.8	464	---	6	288	
27B1	G	Pl	9-26-58	54	7.5	434	---	6	324	
30M1	G	Pl	9-26-58	59	3.0	498	---	6	380	
30Q1	Sh?	M	9-26-58	57	3.0	454	---	2	280	
32E1	Sh?	M	9-26-58	55	.8	429	---	4	276	
32H1	G	Pl	10-15-58	54	4.0	459	---	6	308	
33C1	G	Pl	10-15-58	60	3.0	444	---	4	372	Inflamable gas in water
36F1	Sh?	M	10-15-58	55	.2	483	---	4	204	
20/5W- 3Q1	Sh	M	10-15-58	58	1.5	444	---	0	265	
5H1	S,G	Pl	6-21-61	56	.8	342	12	4	220	
9F1	S,G	Pl	6-21-61	54	1.5	303	20	6	188	
10B1	S,G	Pl	6-21-61	55	3.0	400	14	6	276	
11R1	S,G	Pl	6-21-61	--	1.5	327	14	4	232	
12R1	G	Pl	10-15-58	54	3.0	444	---	0	236	
13B1	G	Pl	10-15-58	58	1.5	434	---	4	216	
21N1	Sh?	M	8-16-61	54	.1	405	9	4	248	
22M1	Sh	M	10-15-58	59	.5	434	---	8	208	
24K1	Sh	M	10-15-58	52	1.0	498	---	3	300	
25Q1	Sh	M	10-15-58	62	1.0	483	---	2	280	Gas in water
25R1	G	Pl	10-15-58	58	1.0	508	---	2	372	
26E1	Sh	M	8-16-61	54	.5	449	10	4	120	
26H1	Sh	M	6-21-61	57	.5	317	10	4	196	
27D1	Sh	M	8-16-61	54	.3	439	10	6	284	

Table 6.--Field chemical analyses of water from wells, Montgomery Co., Ind.--Cont.

Well	Material	Geologic Age	Date of Collection	Temperature (°F)	Iron (Fe)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, Magnesium)	Remarks
20/5W-27H1	Sh	M	10-15-58	58	0.3	468	---	4	148	
28H2	G	Pl	10-15-58	--	.1	478	---	22	548	
29G1	S,G	Pl	8-16-61	--	2.0	449	54	10	376	
29M1	Sh?	M	8-16-61	54	.3	503	12	6	356	
29N1	Sh	M	6-21-61	56	.1	493	15	10	364	
30C1	G	Pl	6-22-61	--	1.0	288	47	6	244	
31J1	Sh?	M	8-16-61	57	.5	508	13	6	380	
31K1	G	Pl	8-16-61	55	1.5	483	12	4	344	
32M1	Sh?	M	8-16-61	56	1.2	551	11	6	384	
33P1	Sh	M	8-16-61	55	1.8	366	11	8	280	
34L1	Sh	M	6-23-61	55	1.5	415	14	6	280	
35D1	G	Pl	8-16-61	57	1.8	551	17	10	424	
36M1	Sh	M	10-15-58	56	1.0	508	---	10	344	
20/6W- 1K1	G	Pl	6-21-61	--	.5	293	10	6	208	
2R1	G	Pl	6-21-61	55	2.0	264	49	8	224	
24P1	G	Pl	6-22-61	--	3.0	473	95	16	444	
25H1	Sh	M	6-22-61	--	.3	317	58	8	276	
34E1	G	Pl	6-22-61	--	1.0	312	13	6	200	

Table 7.--Records of springs, Montgomery County, Indiana

Spring number: See text for well-numbering system.
Altitude: Altitude of land-surface datum from topographic map.
Water-bearing material: Cgl, conglomerate; G, gravel; Ls, limestone; S, sand; Sls, siltstone; T, till.
Geologic Age: Pl, Pleistocene; M, Mississippian.
Flow: e, estimated; m, measured.
Use: N, none; P, public supply; S, stock.
Field chemical analyses: In parts per million; water samples collected on date of measurement.

Spring	Owner	Popular Name	Altitude (feet)	Water-bearing material	Geologic Age	Flow (gpm)	Date of meaurement	Use	Temperature (°F)	Field chemical analyses					Remarks
										Iron (Fe)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, Magnesium)	
17/4W-31J1	Indiana State Highway Department	Parkersburg Spring	855	Ls	M	m11	6- 9-61	P	53	<0.1	361	53	18	348	
17/6W- 2G1	----do-------	----------	740	Cgl	Pl	m6	5- 2-61	P	51	<.1	395	22	8	340	At contact with Mississippian siltstone
3R1	----------	----------	650	Sls	M	e2	10- 7-58	N	54	.1	371	--	8	280	
18/4W-19A1	O. L. Jeffries	----------	785	---	Pl	---	3-15-50	S	--	----	---	--	--	---	
18/5W- 3P1	Montgomery County	----------	680	T	Pl	m2	6-13-61	N	52	<.1	361	52	20	368	Do
10P1	Boy Scouts of America	----------	660	S,G	Pl	e20	10- 1-58	P	54	<.1	376	--	6	308	Do
16H1	Montgomery County	----------	690	S,G	Pl	e25	6-12-61	N	56	<.1	312	29	6	260	At contact with till
31M1	Cold Springs Camp	----------	690	Sls	M	e50	10- 6-58	N	54	.1	312	--	6	244	
19/3W-31G1	S. Smith	----------	785	S,G	Pl	e20	9-12-61	N	61	<.1	361	38	20	356	Do

Table 8.--Field chemical analyses of water from streams, Montgomery County, Ind.
(Results in parts per million)

Name	Location	Date of Collection	Temperature (°F)	Iron (Fe)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, magnesium)	Remarks
			T. 17 N., R. 3 W.						
Little Raccoon Creek	SE¼SW¼ sec. 17	9-12-61	75	0.3	312	45	14	284	Sample taken at ford on county road
Haw Creek	NW¼NW¼ sec. 31	9-12-61	78	.3	322	41	12	260	Sample taken at bridge on county road
			T. 17 N., R. 4 W.						
Big Raccoon Creek	SW¼SE¼ sec. 23	9-12-61	74	.3	361	50	14	316	Do
Cornstalk Creek	NW¼SE¼ sec. 27	9-12-61	78	.2	273	35	12	236	Do
			T. 17 N., R. 5 W.						
Indian Creek	SE¼NW¼ sec. 7	9-12-61	81	<.1	215	28	6	176	Do
			T. 17 N., R. 6 W.						
Sugar Creek	NW¼SE¼ sec. 2	9-12-61	83	.2	298	67	20	276	Sample taken at bridge on state highway
			T. 18 N., R. 3 W.						
Big Raccoon Creek	SE¼SE¼ sec. 35	9-12-61	78	.2	317	47	12	288	Sample taken at bridge on county road
			T. 18 N., R. 4 W.						
Walnut Fork	SW¼NE¼ sec. 12	9-12-61	82	.1	273	47	14	240	Sample taken at bridge on federal highway
			T. 18 N., R. 5 W.						
Sugar Creek	SE¼SW¼ sec. 3	9-12-61	84	.3	342	86	24	324	Sample taken at bridge on state highway
Offield Creek	SE¼SE¼ sec. 15	9-12-61	81	<.1	293	37	10	244	Sample taken at bridge on county road
Rattlesnake Creek	NE¼NW¼ sec. 26	9-12-61	86	.1	327	38	10	300	Do
			T. 19 N., R. 4 W.						
Lye Creek	SE¼NE¼ sec. 1	9-12-61	78	.1	346	46	12	300	Do
Sugar Creek	NE¼SE¼ sec. 15	9-12-61	80	.2	322	54	16	300	Do
Walnut Fork	NW¼SE¼ sec. 28	9-12-61	80	.3	332	48	10	296	Sample taken at bridge on state highway

Table 8.--Field chemical analyses of water from streams, Montgomery County--Cont.

Name	Location	Date of Collection	Temperature (°F)	Iron (Fe)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Hardness as $CaCO_3$ (Calcium, Magnesium)	Remarks
T. 19 N., R. 4 W.--Cont.									
Little Sugar Creek	NW¼NW¼ sec.36	9-12-61	79	.1	327	62	14	296	Sample taken at bridge on county road
T. 19 N., R. 5 W.									
Black Creek	NW¼NW¼ sec.35	9-12-61	78	.1	337	85	10	328	Do
T. 19 N., R. 6 W.									
East Fork Coal Creek	NE¼SW¼ sec.14	9-12-61	78	.3	386	67	14	352	Sample taken at bridge on state highway
T. 20 N., R. 3 W.									
Bower Creek	SE¼SE¼ sec. 8	9-12-61	84	.2	244	34	8	260	Sample taken on bridge on county road
Little Potato Creek	SW¼NW¼ sec.21	9-12-61	84	.2	351	34	8	292	Do
T. 20 N., R. 4 W.									
Armentrout Dredge Ditch	SE¼NW¼ sec.25	9-12-61	78	.3	371	72	8	344	Do
T. 20 N., R. 6 W.									
North Fork Coal Creek	SE¼SE¼ sec. 3	9-12-61	85	.3	283	79	10	280	Sample taken at bridge on state highway

Table 9.--Water levels in observation wells in Montgomery County, Indiana
(In feet below land-surface datum. Water level:
e, estimated; h, tape measurement)

Montgomery 1. (17/6W-36C3). Byron Banta. Waveland. NE¼NW¼ sec. 36, T. 17 N., R. 6 W. Dug unused water-table well in glacial drift, diameter 36 inches, depth 18 feet. On August 25, 1955 an 8-inch steel casing was set in this well to a depth of 18 feet and the well backfilled with crushed rock. Land-surface datum is 765.4 feet above msl. Recording gage installed Sept. 1, 1944. Highest water level is 2.78 below lsd, Jan. 4, 1950; lowest, 15.45 below lsd, Nov. 16, 1940. Records available 1935 to 1960.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1935		Mar. 1	7.34	Oct. 17	12.69	Mar. 16	11.28
		15	8.15	Nov. 2	13.06	Apr. 3	10.61
Oct. 15	13.23	Apr. 1	7.91	15	13.11	17	7.86
Nov. 1	13.37	15	6.29	Dec. 1	12.88	30	7.94
15	11.63	May 1	6.20	15	11.36	May 17	8.41
Dec. 2	12.35	18	8.04			June 1	5.73
16	12.04	June 3	9.47	1939		14	8.22
		15	9.05			July 2	10.85
1936		July 2	9.02	Jan. 3	11.71	24	12.30
		16	8.40	16	9.53	Aug. 2	12.81
Jan. 4	12.14	Aug. 2	8.70	31	7.16	21	13.90
Feb. 6	11.73	20	11.50	Feb. 16	7.24	28	14.13
19	10.72	Sept. 1	11.87	Mar. 2	6.12	Sept. 16	14.87
Mar. 2	7.65	Oct. 2	12.81	15	5.41	25	14.52
17	8.32	18	11.90	Apr. 1	8.25	Oct. 15	13.97
Apr. 1	7.80	Nov. 5	11.30	15	8.12	29	14.12
16	8.74	18	11.10	May 2	7.43	Nov. 16	15.45
May 1	6.30	Dec. 1	10.90	18	9.34	26	14.25
15	8.20	16	8.44	31	10.38	Dec. 13	14.58
June 1	9.85			June 15	10.28	30	13.10
15	11.10	1938		July 5	10.14		
July 1	11.92			18	11.10	1941	
15	12.40	Jan. 3	8.45	31	11.78		
Aug. 6	13.34	22	10.03	Aug. 17	11.85	Jan. 15	12.93
17	13.89	Feb. 5	8.48	Sept. 2	12.05	31	12.45
Sept. 1	14.58	16	8.60	22	13.21	Feb. 14	11.75
15	14.17	Mar. 2	6.96	30	13.56	28	11.70
Oct. 3	12.76	14	5.97	Oct. 16	14.23	Mar. 13	12.02
15	10.84	Apr. 4	5.92	Nov. 2	14.62	31	11.47
Nov. 3	7.98	16	6.33	19	14.75	Apr. 15	8.63
17	10.66	29	8.45	Dec. 2	14.65	28	9.97
Dec. 1	9.56	May 16	10.08	21	14.90	May 14	9.86
16	11.06	28	8.89			June 15	8.63
31	7.87	June 15	9.01	1940		29	8.46
		29	8.18			Oct. 3	14.24
1937		Aug. 6	10.74	Jan. 2	15.16	16	13.30
		17	10.78	15	14.83	Nov. 4	11.58
Jan. 15	4.78	31	10.24	Feb. 5	14.66	24	8.05
Feb. 1	5.81	Sept. 17	11.27	20	14.16	Dec. 9	9.75
16	6.95	30	11.90	Mar. 1	13.41	18	10.30

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1942		Oct. 31	14.19	July 28	10.81	Feb. 15	12.67
		Dec. 1	10.50	30	11.46	28	8.50
Jan. 14	9.90	15	12.30	Aug. 16	11.47	Mar. 15	8.16
Feb. 13	6.87			Oct. 1	12.83	30	8.42
Mar. 6	10.59	1943		15	13.50	Apr. 15	6.00
Apr. 20	7.62			30	13.49	May 1	7.30
May 22	6.65	Jan. 2	9.47	Nov. 19	12.10	21	8.42
June 24	7.59	15	6.90	30	12.50	31	7.07
July 22	9.24	Feb. 1	9.40	Dec. 15	12.60	June 15	8.84
31	9.91	Mar. 14	10.41	31	12.85	30	11.42
Aug. 15	11.55	Apr. 1	7.90			July 15	12.04
Sept. 2	12.14	16	7.46	1944		28	11.79
15	12.98	May 1	8.50			Aug. 15	12.67
30	13.55	June 15	9.10	Jan. 15	12.66	28	11.92
Oct. 15	14.01	July 1	11.42	31	12.85		

(Daily highest water level from recorder graph, 1944)

Sept. 2	11.58	Sept. 23	12.36	Nov. 7	12.64	Dec. 11	11.61
3	11.59	24	12.44	8	12.49	12	11.63
4	11.55	25	12.50	9	12.33	13	11.65
5	11.42	26	12.53	10	12.29	14	11.62
6	11.38	27	12.55	11	12.25	15	11.62
7	11.39	28	12.59	12	12.16	16	11.69
8	11.40	Oct. 23	12.62	13	12.06	17	11.71
9	11.38	24	12.59	14	11.95	18	11.77
10	11.38	25	12.61	29	11.73	19	11.81
11	11.43	26	12.70	30	11.73	20	11.76
12	11.47	27	12.82	Dec. 1	e11.83	21	11.82
13	11.50	28	12.85	2	e11.98	22	11.90
14	11.59	29	12.85	3	e12.04	23	11.90
15	11.70	30	12.89	4	e11.99	24	11.89
17	11.99	31	12.91	5	11.90	25	11.89
18	12.08	Nov. 1	12.92	6	e11.86	29	12.10
19	12.12	2	12.96	7	e11.81	30	12.08
20	12.15	3	13.00	8	e11.77	31	12.05
21	12.20	4	12.99	9	e11.72		
22	12.25	5	12.89	10	e11.67		

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

(Daily highest water level from recorder graph, 1945)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.04	12.65	9.47	----	7.47	8.29	7.41	----	----	----	----	6.65
2	12.17	12.69	7.18	----	7.58	8.42	7.27	----	----	----	----	6.62
3	12.27	12.66	7.18	----	7.54	8.60	7.27	----	----	----	9.17	6.81
4	12.29	12.55	7.57	----	7.53	8.79	7.96	----	----	----	----	7.03
5	12.36	12.56	7.48	----	7.57	8.92	8.02	----	----	----	----	7.20
6	12.29	12.67	5.20	5.60	7.61	8.04	----	----	----	7.40	----	7.26
7	12.27	12.63	5.28	5.88	7.54	9.15	----	----	----	7.67	----	7.33
8	12.28	12.62	6.14	6.16	7.05	9.21	----	----	----	----	----	7.57
9	12.34	12.64	6.42	6.42	6.88	9.23	----	----	----	----	----	7.70
10	12.50	12.64	6.58	6.73	6.74	8.98	----	----	----	----	----	7.95
11	12.75	12.71	6.87	7.06	6.75	8.82	----	----	----	----	----	8.24
12	12.49	12.65	7.04	7.27	6.73	8.76	----	10.06	----	----	----	8.33
13	12.41	12.45	7.32	7.52	6.81	7.90	----	10.02	----	9.10	----	8.29
14	12.31	12.28	7.51	----	7.07	----	----	9.75	----	----	----	8.31
15	21.29	12.01	7.61	----	5.42	----	----	9.54	11.60	----	6.98	8.55
16	12.32	11.91	7.72	----	3.87	----	----	9.45	11.66	----	7.04	9.67
17	12.30	11.72	7.98	----	3.66	----	----	9.45	11.58	----	6.82	8.87
18	12.33	11.70	8.25	----	----	----	----	10.52	11.58	----	6.60	8.96
19	12.26	11.68	----	----	5.08	----	----	9.71	11.58	----	6.39	8.92
20	12.26	11.53	----	6.23	5.45	----	----	9.92	11.56	----	6.22	9.02
21	12.28	----	----	6.53	5.69	----	----	10.07	11.59	----	5.99	9.16
22	12.21	10.59	----	6.91	5.92	----	----	10.21	11.45	----	6.03	9.30
23	12.21	10.41	6.86	7.09	6.53	6.19	----	10.34	11.34	----	6.10	9.57
24	12.22	10.34	6.92	7.21	6.87	6.53	----	10.48	11.03	----	6.37	9.27
25	12.28	10.16	7.22	7.40	7.07	6.84	10.77	----	10.54	----	6.47	8.25
26	12.30	9.91	7.39	7.49	7.22	7.11	11.07	----	10.31	----	6.84	7.89
27	12.36	9.70	7.58	7.26	7.42	7.30	10.97	----	9.87	8.71	6.78	7.80
28	12.40	9.50	7.77	7.14	7.54	7.46	11.01	----	8.92	8.76	6.65	7.63
29	12.43	----	7.40	7.15	7.78	7.71	11.03	----	8.33	----	6.60	7.18
30	12.49	----	----	7.29	7.98	7.05	11.14	----	7.04	----	6.60	6.18
31	12.55	----	----	----	8.16	----	----	----	----	----	----	6.06

(Daily highest water level from recorder graph, 1946)

1	6.09	8.66	6.33	7.72	8.89	7.08	8.28	----	11.78	12.99	12.50	11.00
2	6.24	8.73	6.45	7.70	7.41	6.99	8.35	----	11.85	12.99	12.40	11.31
3	6.46	8.93	6.67	7.88	6.74	7.01	8.46	----	11.93	10.02	12.32	11.29
4	6.72	8.98	6.74	7.92	6.67	7.15	8.59	----	12.01	10.06	12.32	11.33
5	6.31	8.65	6.90	8.16	6.85	7.28	8.08	----	12.03	10.12	12.31	11.33
6	6.31	8.16	6.94	8.25	7.00	7.52	9.31	----	12.13	10.17	12.10	11.35
7	6.42	8.16	7.00	8.33	6.70	7.58	9.42	----	12.15	10.16	11.96	11.41
8	6.42	8.19	6.99	8.36	6.64	7.09	9.44	11.25	12.20	10.16	11.99	11.49
9	5.95	8.20	6.12	8.45	6.65	8.71	9.42	11.22	12.31	13.18	12.00	11.57
10	5.95	8.32	7.45	8.53	6.85	8.65	9.47	11.54	12.28	----	11.91	11.37

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

(Daily highest water level from recorder graph, 1946)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	5.72	8.38	7.52	10.55	5.53	9.03	9.31	11.63	12.31	13.24	11.88	10.97
12	5.68	8.59	7.49	9.16	5.52	8.51	9.32	11.65	12.38	13.32	11.79	10.16
13	5.74	5.51	7.50	9.06	5.65	8.14	9.49	11.69	12.43	13.43	11.68	9.97
14	5.89	5.50	6.35	9.03	5.88	8.08	9.49	11.64	12.43	13.48	11.65	9.81
15	6.05	5.79	5.77	8.93	6.17	8.10	9.56	11.33	12.47	13.52	11.65	9.79
16	6.51	5.88	5.53	8.95	4.84	8.12	9.70	11.36	12.62	13.48	11.67	9.69
17	6.68	5.97	5.66	8.94	4.21	8.30	10.85	11.05	12.62	13.04	11.76	9.81
18	6.91	5.24	5.95	8.92	4.06	6.15	9.91	10.99	12.67	13.03	11.76	10.16
19	7.06	5.13	6.00	8.96	4.54	5.51	9.96	11.07	12.68	13.28	11.66	10.19
20	7.32	6.13	6.23	8.97	5.24	5.66	10.09	11.07	12.68	13.24	11.65	----
21	7.55	6.26	6.44	9.20	5.81	5.72	10.12	11.11	12.69	13.15	11.59	----
22	7.78	6.29	6.53	9.24	5.93	6.15	10.15	11.17	12.64	13.08	11.65	----
23	7.92	6.33	6.70	9.25	6.45	6.51	----	11.28	12.64	13.05	11.71	----
24	7.95	6.59	6.81	9.34	6.47	7.00	----	11.28	12.78	12.89	11.60	----
25	8.06	6.77	6.89	9.34	6.65	7.09	----	11.34	12.78	12.89	----	----
26	8.15	6.70	7.04	9.42	6.83	7.50	----	11.51	12.77	12.92	----	----
27	8.52	6.43	7.13	9.56	7.01	7.74	----	11.51	12.78	13.02	11.26	----
28	8.61	6.46	7.22	9.63	7.17	8.01	----	11.59	12.73	13.07	11.05	----
29	8.70	----	7.26	9.63	6.48	8.21	----	11.63	12.88	13.02	11.05	----
30	8.52	----	7.34	9.65	7.64	8.39	----	11.72	12.96	13.00	10.97	----
31	8.52	----	7.61	----	7.08	----	----	11.73	----	13.01	----	----

(Daily highest water level from recorder graph, 1947)

1	----	----	9.52	7.97	5.09	6.04	8.30	10.90	11.76	11.74	12.34	12.17
2	----	----	9.52	7.60	5.36	5.39	8.58	10.87	11.80	11.76	12.34	12.17
3	----	----	9.60	7.55	5.73	5.38	8.73	10.89	11.94	11.78	12.30	12.18
4	9.89	----	9.71	7.41	6.11	5.53	8.83	10.95	11.95	11.84	12.28	12.01
5	9.72	----	9.85	----	6.41	5.86	8.94	10.97	11.91	11.93	12.27	11.97
6	9.73	----	9.77	----	6.79	4.94	9.01	10.90	----	12.01	12.39	12.95
7	9.77	----	9.70	----	6.90	4.92	9.09	11.04	----	12.07	12.29	11.62
8	9.94	----	9.68	----	7.14	4.30	9.23	11.13	----	12.12	12.68	12.62
9	----	----	9.74	----	7.34	4.65	9.33	11.18	----	12.20	12.43	11.71
10	----	----	9.80	----	7.52	5.17	9.36	11.21	----	13.28	12.41	11.59
11	9.95	----	9.77	----	7.66	5.74	9.39	11.30	----	12.31	12.30	11.62
12	9.97	----	9.70	----	7.69	6.36	9.47	11.41	----	12.37	12.32	11.67
13	9.69	----	9.22	----	7.73	6.65	9.55	11.46	9.77	12.47	12.46	11.64
14	9.71	----	10.14	----	7.82	6.74	9.59	11.50	9.75	12.51	12.29	11.55
15	9.18	----	10.99	----	7.96	6.99	9.67	11.46	9.55	12.51	12.15	11.41
16	8.09	----	9.84	----	7.81	7.30	9.67	11.52	9.52	12.53	12.21	11.44
17	8.05	----	9.83	----	7.50	7.49	9.68	11.51	9.52	12.55	12.39	11.64
18	8.86	----	9.90	----	7.44	7.55	9.66	11.52	----	12.59	12.38	11.64
19	8.56	----	9.92	----	7.23	7.29	9.68	11.54	----	12.65	12.38	----
20	8.48	----	9.81	----	6.83	7.26	9.75	11.57	----	12.76	12.38	----

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

(Daily highest water level from recorder graph, 1947)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	8.48	----	9.61	----	4.57	7.29	9.73	11.64	----	12.71	12.35	----
22	----	----	8.36	----	4.56	7.46	9.91	11.71	----	12.85	12.30	----
23	----	----	9.03	----	4.69	7.67	10.05	11.75	----	12.89	11.65	11.51
24	----	----	7.55	----	5.86	7.65	10.18	11.80	----	12.95	12.05	11.69
25	----	----	7.44	6.83	5.68	7.65	10.32	11.65	----	12.99	12.10	11.55
26	----	9.65	7.40	6.57	5.77	7.68	10.38	11.71	----	13.01	12.17	11.54
27	----	9.65	7.32	6.58	5.09	7.77	10.37	11.68	11.47	12.35	12.12	11.61
28	----	9.63	7.35	6.96	5.17	7.80	10.40	11.67	11.45	----	12.18	11.64
29	----	----	7.33	6.72	5.84	8.10	10.53	11.68	11.46	----	12.18	11.66
30	----	----	7.60	4.99	5.82	8.29	10.65	11.72	11.62	----	12.29	----
31	----	----	7.75	----	5.95	----	10.70	11.73	----	----	----	----

(Daily highest water level from recorder graph, 1948)

1	----	11.63	8.54	5.94	9.05	9.97	8.94	10.23	12.20	12.56	11.75	10.16
2	----	11.75	8.20	6.06	9.07	10.11	9.16	10.38	12.21	12.60	11.73	10.19
3	----	11.70	8.27	6.43	9.16	10.21	9.31	10.55	12.25	12.70	11.53	----
4	----	11.66	8.41	6.69	9.17	10.27	9.49	10.66	12.31	12.61	11.20	----
5	8.28	----	8.65	6.50	9.23	10.36	9.69	10.79	12.36	12.56	9.82	----
6	9.37	----	8.43	5.72	8.74	10.39	9.71	10.90	12.35	12.55	9.55	----
7	9.48	11.83	8.41	4.46	8.61	10.43	9.93	11.00	12.35	12.51	9.56	----
8	9.61	11.89	8.50	4.63	8.35	10.43	10.15	11.07	12.40	12.56	9.54	----
9	9.63	12.08	8.72	5.29	8.25	10.54	10.33	11.17	13.42	12.64	9.45	----
10	10.02	12.10	8.87	5.84	8.26	10.71	10.49	11.27	12.49	12.55	9.34	----
11	10.09	12.08	9.03	5.94	8.37	10.82	10.59	11.34	12.48	12.22	9.31	10.41
12	10.07	12.03	9.25	5.40	7.11	10.81	10.65	11.38	12.55	12.21	9.22	10.37
13	10.18	11.79	9.34	4.99	6.30	10.84	10.75	11.45	12.58	12.11	9.21	10.48
14	10.33	11.79	9.07	5.01	6.27	10.90	10.86	11.49	12.66	12.12	9.30	10.45
15	10.36	12.07	8.74	5.42	6.35	10.92	10.96	11.45	12.71	12.07	9.36	9.59
16	10.39	11.80	8.70	5.77	6.37	10.98	11.05	11.42	12.75	11.66	9.34	8.86
17	10.69	11.58	8.68	6.29	6.54	11.05	11.15	11.39	12.81	11.45	9.32	8.57
18	10.81	11.30	8.37	6.65	6.96	----	11.21	11.37	12.80	11.24	9.16	8.27
19	10.80	11.19	7.46	6.89	7.32	----	11.30	11.38	12.80	11.07	8.91	8.23
20	10.71	11.32	7.00	7.17	7.56	----	11.34	11.42	12.63	11.14	8.92	8.34
21	10.65	11.38	6.21	7.49	7.64	----	11.34	11.45	12.34	11.23	9.14	8.28
22	10.65	11.36	6.04	7.76	7.89	----	11.30	11.51	12.54	11.28	9.19	8.61
23	10.86	11.37	4.74	7.87	8.20	11.34	11.31	11.61	12.52	11.32	9.25	----
24	10.98	11.45	5.15	8.02	8.44	11.26	11.42	11.67	12.53	11.45	9.30	8.72
25	11.01	11.43	5.66	8.21	8.71	10.84	11.41	11.70	12.59	11.53	9.36	8.73
26	11.10	11.37	3.46	8.34	8.90	10.50	11.40	11.78	12.69	11.54	9.45	8.97
27	----	----	3.90	8.52	9.06	10.13	10.73	11.88	12.67	11.56	9.62	8.92
28	----	----	5.19	8.69	9.21	9.45	10.33	11.96	12.61	11.61	9.86	7.95
29	----	8.91	5.64	8.87	9.40	8.95	10.07	12.01	12.53	11.67	9.87	7.45
30	----	----	6.04	8.98	9.57	8.89	10.04	12.03	12.54	11.69	10.05	7.33
31	11.57	----	5.90	----	9.78	----	10.09	12.08	----	11.70	----	7.29

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

(Daily highest water level from recorder graph, 1949)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.31	6.25	7.54	6.55	8.77	10.13	11.04	10.96	12.25	12.92	11.04	10.82
2	7.40	6.68	7.59	6.75	8.82	10.14	11.09	10.95	12.41	12.92	11.03	10.91
3	7.61	6.83	----	6.80	9.03	10.29	11.11	11.00	12.42	12.42	11.15	11.05
4	4.80	6.84	----	6.99	9.12	10.41	11.13	11.09	12.42	12.54	11.25	11.04
5	4.77	7.21	7.69	7.06	9.19	10.47	11.17	11.17	12.42	12.20	11.34	11.11
6	5.39	7.39	7.79	7.09	9.24	10.53	11.19	11.23	12.49	11.32	11.48	11.00
7	5.85	7.47	8.17	7.37	9.29	10.57	11.11	11.26	12.53	11.68	11.46	11.01
8	6.10	7.66	8.17	7.54	9.36	10.73	11.11	11.30	12.54	11.68	11.47	11.13
9	6.36	7.76	8.14	7.81	9.37	10.84	10.93	11.37	12.59	11.70	11.52	11.29
10	6.40	7.98	8.14	7.99	9.44	10.85	10.95	11.44	12.61	11.65	11.54	11.19
11	5.92	8.21	8.34	8.06	9.62	10.72	10.93	11.53	12.63	9.82	11.54	10.59
12	5.84	8.22	8.34	8.08	9.68	10.67	10.90	11.56	12.63	9.74	11.10	10.02
13	5.88	8.26	8.34	8.07	9.73	10.60	10.92	11.56	12.62	9.85	10.65	9.50
14	6.00	6.90	8.31	8.20	9.80	10.49	10.99	11.58	12.66	9.86	9.91	9.25
15	6.33	5.81	8.32	8.24	9.90	10.40	11.06	11.60	12.65	9.99	9.67	9.18
16	6.43	5.76	8.29	8.53	9.95	10.33	11.17	11.64	12.65	10.11	9.61	9.18
17	6.39	5.93	8.28	8.39	10.02	10.31	11.23	11.63	12.66	10.25	9.65	9.19
18	3.41	6.09	8.28	8.42	10.08	10.34	11.26	11.63	12.66	10.44	9.76	9.17
19	4.14	6.21	8.51	8.66	10.07	10.43	11.33	11.67	12.54	10.58	9.74	9.15
20	5.38	6.43	8.51	----	10.09	10.46	11.40	11.78	12.56	10.66	9.75	9.04
21	5.58	6.82	8.44	----	9.94	10.49	11.46	11.86	12.56	10.63	10.03	7.76
22	5.75	6.80	8.28	----	9.84	10.51	11.50	11.90	12.50	10.61	10.25	6.83
23	6.19	6.99	8.52	8.72	9.94	10.61	11.56	11.93	12.51	10.69	10.22	6.85
24	6.09	----	8.62	8.73	9.90	10.64	11.55	12.01	12.66	10.70	10.17	6.95
25	6.11	----	8.62	8.85	9.87	10.68	11.56	12.08	12.70	10.70	10.23	7.10
26	5.78	7.12	7.50	8.82	9.85	10.81	11.58	12.14	12.71	10.70	10.42	6.64
27	4.74	7.12	6.57	8.80	9.86	10.90	11.60	12.16	12.67	10.83	10.42	6.16
28	4.75	7.26	6.52	8.85	9.87	10.92	11.61	12.14	12.69	10.84	10.53	6.18
29	5.38	----	6.56	8.82	9.96	10.95	11.63	12.14	12.77	10.87	10.55	6.31
30	5.87	----	6.50	8.81	10.02	10.96	10.70	12.20	12.85	10.87	10.68	6.55
31	5.95	----	6.44	----	10.06	----	11.04	12.22	----	10.90	----	6.82

(Daily highest water level from recorder graph, 1950)

1	7.02	6.90	6.84	6.13	6.90	9.72	8.94	10.93	10.56	9.60	10.94	8.28
2	7.06	7.06	7.05	6.38	6.89	9.83	9.02	10.99	10.97	9.78	10.95	6.44
3	3.49	7.36	7.23	6.30	6.90	9.64	8.64	11.07	10.95	9.93	11.08	6.10
4	2.78	7.55	7.29	4.82	7.04	9.60	8.31	11.16	10.96	10.07	11.08	6.07
5	4.40	7.76	7.33	4.87	7.16	9.59	8.29	11.22	11.07	10.17	11.10	6.14
6	5.34	7.66	7.42	5.25	7.30	9.63	8.33	11.32	11.14	10.25	11.13	5.93
7	5.57	7.82	7.41	5.63	7.58	9.77	8.51	11.38	11.13	10.33	11.10	5.78
8	6.00	7.77	7.41	5.86	7.79	9.88	8.70	11.44	11.12	10.25	10.76	5.84
9	5.82	7.18	7.81	6.29	7.78	9.96	8.87	11.48	11.14	9.55	10.48	6.13
10	5.08	6.98	7.91	6.46	7.88	9.84	----	11.51	11.16	9.23	10.20	6.31

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

(Daily highest water level from recorder graph, 1950)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	5.38	6.99	7.73	6.54	8.13	9.86	----	11.54	11.20	9.09	10.05	6.66
12	5.61	6.60	7.57	6.78	8.26	9.94	----	11.57	11.27	9.10	9.94	6.84
13	4.63	4.83	7.23	6.86	8.28	9.83	----	11.59	11.36	9.28	9.94	7.15
14	4.83	4.66	6.96	7.05	8.39	9.83	----	11.62	11.46	9.44	9.91	7.41
15	4.40	4.81	6.89	7.23	8.49	9.85	9.88	11.62	11.51	9.54	9.70	7.55
16	4.74	5.28	6.84	7.35	8.71	9.72	9.98	11.64	11.56	9.77	9.37	7.87
17	5.35	5.72	6.79	7.42	8.89	9.59	10.12	11.69	11.66	9.91	9.11	----
18	5.52	6.06	6.87	7.52	9.03	8.90	10.20	11.70	11.77	10.04	8.85	----
19	6.13	6.32	7.12	7.66	9.17	8.04	10.14	11.70	11.80	10.08	7.50	----
20	6.61	6.64	6.97	7.85	9.27	7.91	10.12	11.75	9.57	10.12	6.74	----
21	6.82	6.45	6.82	7.93	9.41	7.93	10.15	11.78	7.08	10.24	6.67	----
22	6.92	6.21	6.73	8.08	9.46	8.11	10.26	11.79	7.12	10.28	6.67	----
23	7.15	6.25	6.74	7.78	9.60	8.22	----	11.85	7.44	10.36	6.72	8.86
24	7.14	6.25	6.79	7.35	9.69	8.40	10.43	11.90	7.86	10.55	7.06	8.85
25	5.90	6.57	6.95	7.97	9.79	8.18	10.56	11.93	8.26	10.61	7.24	9.06
26	5.46	6.73	6.93	7.04	9.91	8.16	10.64	11.98	8.53	10.72	7.20	9.05
27	5.48	6.93	4.98	7.04	10.06	8.22	10.67	12.00	8.79	10.68	7.42	9.39
28	5.60	6.76	4.94	7.18	9.98	8.44	10.71	12.03	9.02	10.70	7.80	9.44
29	5.72	----	5.26	7.28	9.71	8.56	10.75	12.05	9.19	10.81	8.04	9.44
30	6.36	----	5.77	6.98	9.59	8.74	10.83	12.08	9.42	10.92	8.09	9.59
31	6.57	----	6:01	----	9.59	----	10.91	11.20	----	10.94	----	e9.74

(Daily highest water level from recorder graph, 1951)

1	9.84	----	6.83	7.84	8.20	9.49	8.72	10.48	11.83	12.16	12.18	10.55
2	8.79	----	6.60	7.94	8.29	9.57	8.86	10.64	11.92	12.15	12.24	10.60
3	7.61	8.95	6.50	8.02	8.30	9.70	9.08	10.70	11.97	12.15	12.12	10.63
4	7.58	e8.99	6.65	8.11	8.30	9.81	9.18	10.83	12.03	12.20	12.12	10.07
5	7.35	9.13	6.78	8.22	8.40	9.96	9.40	10.96	12.02	12.29	12.28	9.56
6	7.35	9.04	6.83	8.30	8.60	10.03	9.69	10.84	12.01	12.39	12.15	9.48
7	7.49	9.03	6.89	7.90	8.71	10.07	9.85	10.82	12.04	12.37	11.96	9.48
8	7.58	9.01	7.13	7.34	8.78	10.09	9.95	10.82	12.13	12.45	11.82	9.70
9	7.73	9.01	7.46	7.05	8.85	10.18	7.60	10.85	12.09	12.49	11.65	9.80
10	7.85	9.08	7.65	7.00	6.63	10.30	7.18	10.89	12.03	12.50	11.37	9.85
11	7.98	8.94	7.70	6.78	5.76	10.40	7.20	10.96	12.07	12.49	11.10	9.74
12	----	8.41	7.68	6.46	5.76	10.48	7.44	11.03	12.10	12.50	10.75	9.76
13	8.44	8.39	7.64	6.11	5.96	10.53	7.76	11.11	12.02	12.56	10.11	9.92
14	7.93	8.46	7.68	5.91	6.39	10.57	8.02	11.16	12.02	12.58	9.99	10.05
15	7.77	8.48	7.52	5.91	6.76	10.60	8.31	11.21	12.03	12.55	10.00	10.11
16	7.83	8.06	7.01	6.17	7.02	10.61	8.61	11.25	12.01	12.55	10.08	10.52
17	----	7.94	6.52	6.42	7.23	10.64	8.67	11.34	11.98	12.56	10.25	10.43
18	----	7.57	6.00	6.63	7.52	10.72	8.62	11.40	11.99	12.61	10.46	10.37
19	6.92	6.65	5.95	6.72	7.77	10.80	8.63	11.49	12.02	12.63	10.58	10.58
20	6.81	4.94	5.99	7.02	7.97	10.84	8.78	11.54	12.10	12.60	10.72	10.43

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

(Daily highest water level from recorder graph, 1951)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	----	4.92	6.20	7.14	8.19	10.92	9.02	11.55	12.16	12.59	10.76	10.41
22	----	5.38	6.44	7.17	8.43	10.98	9.19	11.64	12.09	12.62	10.75	10.58
23	----	5.65	6.53	7.52	8.60	11.05	9.42	11.74	12.15	12.51	10.40	10.53
24	----	5.92	6.70	7.66	8.80	11.14	9.61	11.79	12.14	12,37	10.25	10.60
25	----	6.20	7.15	7.69	8.93	11.22	9.74	11.80	12.13	12.27	9.98	9.95
26	----	6.35	7.31	7.90	9.05	11.26	9.89	11.81	12.10	12.20	9.98	9.51
27	----	6.69	7.43	8.13	9.06	10.65	10.05	11.83	12.09	12.12	10.20	9.20
28	----	6.83	7.47	8.07	9.04	9.50	10.11	11.84	12.19	12.07	10.28	8.90
29	----	----	7.50	8.05	9.13	8.83	10.20	11.81	12.26	12.10	10.36	8.66
30	----	----	7.56	8.07	9.27	8.72	10.33	11.80	12.19	12.08	10.48	8.12
31	----	----	7.79	----	9.41	----	10.41	11.80	----	12.09	----	7.74

(Daily highest water level from recorder graph, 1952)

1	7.75	7.37	9.55	7.66	8.30	9.49	7.86	11.38	11.89	12.69	13.28	12.15
2	7.95	7.13	9.73	7.89	8.42	9.69	8.24	11.40	11.72	12.70	13.33	12.13
3	8.03	6.64	9.61	8.05	8.59	9.76	8.58	11.44	11.71	12.82	13.36	12.21
4	8.07	6.33	9.57	7.65	8.78	9.85	8.70	11.47	11.73	12.83	13.20	11.77
5	8.15	6.31	9.84	6.45	8.88	10.00	8.79	11.53	11.76	12.84	13.11	11.21
6	8.47	6.36	9.88	6.28	8.97	10.09	8.97	11.66	11.78	12.92	13.12	11.00
7	8.75	6.47	9.82	6.29	9.16	10.21	9.15	11.71	11.82	12.98	13.25	10.96
8	8.69	6.45	9.66	6.48	9.26	10.33	9.11	11.74	11.93	12.99	13.29	10.93
9	8.82	6.81	9.54	6.69	9.33	10.42	8.82	11.74	11.99	12.99	13.26	10.83
10	9.13	7.01	9.27	6.84	9.33	10.52	8.82	11.76	12.04	13.02	13.26	10.28
11	9.48	7.08	7.43	----	9.42	10.61	8.92	11.81	12.09	13.06	12.27	10.07
12	9.48	7.51	6.57	----	9.50	10.72	9.17	11.78	12.14	13.03	13.27	10.05
13	9.50	7.64	6.44	----	9.65	10.72	9.38	11.78	12.19	13.05	13.29	10.22
14	9.51	7.77	6.65	----	9.72	10.34	9.50	11.62	12.25	13.11	13.25	10.31
15	9.54	8.06	6.92	----	9.71	10.07	9.61	11.35	12.25	13.08	13.25	10.43
16	9.79	8.16	7.05	----	9.89	10.02	9.77	11.14	12.26	13.07	13.29	10.58
17	9.66	8.22	7.25	----	10.04	10.02	9.91	11.13	12.26	13.08	13.33	10.67
18	9.78	8.50	6.67	----	10.13	10.18	9.94	11.14	12.29	13.11	13.28	10.77
19	9.66	8.62	6.21	6.74	10.19	10.32	9.98	11.20	12.32	13.09	13.11	10.98
20	9.68	8.62	6.17	6.96	10.10	10.46	----	11.23	12.36	13.12	13.01	10.85
21	9.91	8.78	6.22	7.21	10.12	10.53	----	11.26	12.40	13.24	12.96	10.81
22	9.80	9.03	5.81	7.39	10.19	7.22	10.31	11.33	12.41	13.18	12.89	10.62
23	9.89	9.12	5.79	7.51	10.20	6.83	10.52	11.40	12.41	13.17	12.89	10.60
24	10.22	9.14	5.88	7.46	9.57	6.83	10.67	11.44	12.46	13.17	13.00	10.68
25	10.00	9.28	6.16	7.47	9.13	7.08	10.81	11.49	12.50	13.18	12.59	10.76
26	7.94	9.34	6.54	7.57	9.01	8.52	10.88	11.56	12.51	13.21	12.39e	10.70
27	6.91	9.34	6.91	7.67	9.01	7.18	10.92	11.61	12.54	13.17	12.34e	10.70
28	6.72	9.31	7.13	7.78	9.05	7.12	11.01	11.67	12.59	13.20	12.31	10.78
29	6.75	9.42	7.28	7.94	9.18	7.19	11.09	11.71	12.63	13.31	12.22	10.71
30	6.97	----	7.54	8.14	9.29	7.46	11.18	11.81	12.68	13.27	12.22	10.71
31	7.18	----	7.65	----	9.35	----	11.25	11.85	----	13.27	----	10.80

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

(Daily highest water level from recorder graph, 1953)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.95	9.37	9.43	6.71	8.75	8.73	10.30	11.23	12.94	14.06	14.78	14.80
2	10.87	9.52	9.46	6.70	8.75	9.08	10.33	11.26	12.99	14.10	14.78	----
3	10.87	9.55	8.19	6.75	8.94	9.24	10.43	11.36	13.00	14.11	14.77	14.51
4	10.87	9.71	7.18	6.85	9.07	9.36	----	11.43	13.00	14.14	14.82	14.45
5	10.85	9.66	6.99	7.09	8.96	9.52	9.57	11.47	13.08	14.10	14.86	14.45
6	----	9.66	6.97	7.23	8.92	9.71	8.74	11.60	13.14	14.09	14.87	14.31
7	----	9.93	7.13	7.30	8.92	9.89	8.64	11.66	13.16	14.20	14.83	14.27
8	----	10.03	7.17	----	8.93	10.00	8.66	11.70	13.25	14.22	14.80	14.09
9	----	10.19	7.43	----	9.03	10.09	8.86	11.75	13.30	14.21	14.80	13.83
10	----	10.27	7.54	----	9.12	10.30	9.17	11.83	13.32	14.22	14.85	13.83
11	----	10.01	7.71	7.91	9.13	10.39	9.49	11.91	13.28	14.21	14.83	----
12	----	9.98	7.91	7.92	9.26	10.44	9.76	11.96	13.28	14.27	14.88	----
13	----	9.95	8.01	7.96	9.32	10.49	9.91	12.01	13.40	14.38	----	----
14	----	9.85	7.76	8.12	----	10.53	10.00	12.04	13.41	14.43	----	----
15	----	9.84	7.20	7.94	----	10.66	----	12.08	13.44	14.44	----	----
16	10.10	9.82	7.04	7.98	9.07	10.72	----	12.16	13.49	14.46	----	----
17	9.56	10.03	7.00	8.27	8.72	10.79	----	12.20	13.55	14.50	----	13.38
18	9.39	10.07	6.24	8.34	8.70	10.92	----	12.25	13.59	14.53	----	----
19	9.33	10.05	6.20	8.38	8.71	10.98	----	12.28	13.59	14.55	15.00	----
20	9.34	9.79	6.32	8.41	8.79	11.07	----	12.32	13.59	14.60	14.95	----
21	9.41	9.72	6.48	8.42	8.86	11.13	10.85	12.39	13.61	14.63	14.96	----
22	9.56	9.37	6.75	8.40	8.18	11.26	----	12.45	13.74	14.66	14.97	----
23	9.32	9.21	6.55	8.43	7.23	11.27	----	12.49	13.78	14.65	14.93	----
24	8.82	9.06	6.53	8.55	7.06	11.30	----	12.50	13.77	14.66	14.84	12.84
25	8.80	8.97	6.67	8.52	7.07	11.22	10.60	12.56	13.76	14.71	14.85	12.80
26	8.69	8.96	7.02	8.56	7.23	----	10.69	12.63	13.77	14.74	14.89	12.80
27	8.69	8.98	7.21	8.72	7.64	----	10.78	12.68	13.78	14.65	14.91	12.94
28	8.78	9.26	7.33	8.81	7.98	10.07	10.85	12.72	13.86	14.65	15.01	12.96
29	8.95	----	7.57	8.81	8.14	10.17	10.92	12.75	13.89	14.71	14.93	13.05
30	9.12	----	7.85	8.75	8.20	10.20	11.03	12.80	13.94	14.77	14.86	13.16
31	9.21	----	7.33	----	8.40	----	11.14	12.87	----	14.78	----	13.37

(Daily highest water level from recorder graph, 1954)

1	13.38	----	11.47	10.76	9.95	9.55	11.62	12.74	13.02	14.55	12.11	12.29
2	13.41	----	11.31	10.70	8.78	9.12	11.73	12.68	13.09	14.53	12.21	12.20
3	13.47	----	11.30	10.80	7.93	8.31	11.80	12.70	13.09	14.48	12.32	12.08
4	13.63	----	11.60	10.91	7.79	8.30	11.86	12.60	13.19	14.49	12.29	12.08
5	13.62	12.81	11.53	10.85	7.81	8.40	11.91	12.56	13.21	14.55	12.32	12.13
6	13.66	12.89	11.48	10.23	7.96	8.48	11.91	12.57	13.19	14.55	12.19	12.38
7	13.79	13.10	11.46	----	8.12	8.59	11.86	12.58	13.28	14.70	12.22	12.39
8	13.72	12.86	11.53	----	8.44	8.75	11.93	12.59	13.33	14.64	12.31	12.16
9	13.72	12.86	11.42	9.93	8.62	8.91	----	12.61	13.49	14.60	12.39	12.13
10	13.89	12.89	11.45	9.91	8.80	9.10	----	12.65	13.48	14.52	12.45	12.32

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

(Daily highest water level from recorder graph, 1954)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
11	13.88	13.00	11.51	9.50	8.97	----	----	12.69	13.53	14.16	12.44	12.49
12	13.95	13.29	11.34	9.32	9.06	9.42	----	12.73	13.60	13.09	12.44	12.49
13	----	13.10	11.33	9.13	9.25	9.68	----	12.74	13.66	12.79	12.39	12.42
14	----	13.07	11.42	9.13	9.37	9.93	----	12.70	13.68	12.47	12.38	12.30
15	----	13.07	11.58	9.13	9.45	10.10	----	12.66	13.75	12.14	12.44	12.26
16	----	13.08	11.73	8.55	9.50	10.14	----	12.62	13.83	12.13	12.42	12.44
17	----	13.01	11.61	8.52	9.62	10.22	----	12.64	13.92	12.24	12.44	12.38
18	----	12.73	11.45	8.53	9.77	10.40	----e	12.62	13.95	12.39	12.48	12.37
19	----	12.53	11.27	8.69	9.83	10.53	----	12.64	13.96	12.60	12.46	12.43
20	13.99	12.30	11.30	9.04	9.95	10.61	----	12.60	14.01	12.58	12.50	12.56
21	13.97	12.31	11.54	9.21	10.08	10.64	----	12.62	14.02	12.53	12.63	12.57
22	----	12.41	11.39	9.30	10.13	10.76	----	12.63	14.16	12.58	----	12.40
23	----	12.25	11.39	9.49	10.25	10.95	----	12.61	14.27	12.69	----	12.34
24	----	12.13	11.31	9.49	10.37	11.14	----	12.71	14.30	12.84	----	12.42
25	----	12.03	11.22	9.52	10.45	11.22	----	12.73	14.29	12.86	----	12.57
26	----	12.06	11.36	9.53	10.56	11.27	----	12.74	14.33	12.61	12.53	12.55
27	----	11.79	11.31	9.51	10.47	11.39	12.67	12.81	14.36	12.19	12.24	12.23
28	----	11.60	11.21	9.61	10.40	11.51	12.67	12.80	14.39	11.84	12.11	10.91
29	----	----	10.95	9.74	10.33	11.52	12.67	12.85	14.42	11.80	12.16	9.78
30	----	----	10.83	9.85	10.19	11.52	12.71	12.85	14.50	11.87	12.40	9.64
31	----	----	10.77	----	10.08	----	12.74	12.90	----	12.03	----	9.53

(Daily highest water level from recorder graph, 1955)

1	9.51	10.56	7.44	8.19	8.15	8.36	10.75	12.27	13.50	13.01	12.20	9.41
2	9.62	10.57	7.37	8.17	8.25	8.55	10.86	12.32	----	13.02	11.48	9.35
3	9.97	10.84	7.22	8.21	8.42	8.71	11.05	12.33	----	13.04	10.68	9.13
4	9.11	10.75	7.24	8.42	8.60	8.87	11.18	12.38	----	13.03	10.41	----
5	7.78	10.59	7.49	8.53	8.74	9.06	11.26	12.42	----	12.12	10.24	----
6	7.78	10.56	7.70	8.61	8.94	9.21	11.31	12.44	----	11.36	10.24	----
7	8.09	10.59	7.76	8.73	9.06	9.31	11.34	12.43	----	10.49	10.51	----
8	8.09	10.57	7.88	8.96	9.23	8.88	----	12.51	----	10.49	10.68	----
9	8.10	10.44	7.94	9.06	9.50	8.53	----	12.57	13.87	10.62	10.61	----
10	8.45	10.35	8.04	9.09	9.56	8.22	----	12.59	13.92	10.83	10.48	----
11	8.61	10.44	8.04	8.94	9.69	7.99	----	12.60	14.01	11.01	10.53	----
12	8.75	10.49	8.28	8.72	9.79	7.84	----	12.67	14.12	11.08	10.81	----
13	8.80	10.55	8.45	----	9.76	7.83	11.87	12.70	14.15	11.24	10.97	----
14	9.02	10.44	8.40	----	9.82	7.86	11.82	12.75	14.15	11.36	10.72	----
15	9.02	10.40	8.38	7.27	9.92	8.00	11.64	12.82	14.27	11.49	10.00	----
16	9.29	10.30	8.50	7.21	9.97	8.15	11.54	12.84	14.23	11.64	9.40	9.33
17	9.41	10.34	8.72	7.28	10.04	8.35	11.54	12.84	14.29	11.60	9.35	9.33
18	9.65	10.21	8.70	7.48	10.17	8.58	11.59	12.88	14.35	11.72	9.13	9.47
19	9.67	10.19	8.74	7.51	10.21	8.80	11.65	12.97	14.36	11.92	9.10	9.78
20	9.84	9.90	8.61	7.63	10.30	8.98	11.73	13.02	14.37	12.04	9.17	9.87

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

(Daily highest water level from recorder graph, 1955)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
21	9.68	9.54	8.25	7.39	10.42	e9.21	11.77	13.03	----	12.04	8.99	9.79
22	9.73	9.40	----	7.35	10.37	e9.45	11.81	13.03	----	12.13	8.82	9.63
23	9.95	9.40	----	7.33	10.02	9.66	11.81	13.05	14.40	12.02	8.82	9.67
24	9.99	9.42	----	7.29	9.78	9.82	11.76	13.11	14.41	12.04	9.05	9.81
25	10.01	9.35	----	7.41	9.43	9.97	11.78	----	14.50	12.04	8.90	10.03
26	10.32	9.00	----	7.44	9.24	10.10	11.83	13.15	14.50	12.04	8.85	10.34
27	10.45	8.16	----	7.46	9.22	10.28	11.92	13.16	14.33	12.11	8.83	10.38
28	10.38	7.62	----	7.51	----	10.44	11.98	13.18	14.19	11.92	9.04	10.31
29	10.52	----	----	7.71	----	10.57	12.03	13.20	13.54	11.90	9.18	10.31
30	10.57	----	----	8.00	----	10.65	12.07	13.19	13.05	12.08	9.50	10.46
31	10.57	----	----	----	----	----	12.16	13.40	----	12.16	----	10.32

(Daily highest water level from recorder graph, 1956)

1	10.33	10.99	6.78	8.63	----	6.89	10.22	11.18	11.70	12.73	13.37	12.52
2	10.32	10.95	6.86	8.12	----	7.08	10.38	11.20	11.68	12.73	13.44	12.45
3	10.50	10.91	7.17	6.87	----	7.33	10.57	11.24	11.69	12.87	13.52	12.47
4	10.54	10.81	7.55	6.85	----	7.60	10.59	11.22	11.70	12.88	13.59	12.65
5	10.54	10.79	7.49	7.03	----	7.88	----	11.22	11.69	12.97	13.50	12.59
6	10.54	10.66	7.54	7.06	----	8.12	----	11.28	11.71	12.88	13.46	12.60
7	10.81	10.39	7.36	6.92	----	8.36	----	11.40	11.84	12.97	13.43	11.65
8	10.82	9.87	7.21	6.90	----	8.37	----	11.48	11.90	13.03	13.46	10.37
9	10.74	9.39	7.09	7.05	8.72	----	----	11.50	11.91	13.11	13.41	9.83
10	10.74	8.85	7.05	7.05	8.74	----	----	11.51	11.79	12.26	13.35	9.48
11	10.83	8.78	7.06	7.11	----	----	----	11.55	11.78	13.23	13.29	9.43
12	10.91	8.78	7.58	7.37	8.95	----	----	11.59	11.89	13.23	13.33	9.52
13	11.02	8.78	7.60	7.57	8.96	----	----	11.55	11.93	13.26	13.38	9.71
14	10.86	----	7.55	7.52	9.03	----	----	11.39	12.02	13.30	13.39	9.88
15	10.72	----	7.65	7.54	9.30	9.96	----	11.33	12.03	13.34	13.33	9.99
16	10.75	----	7.57	7.82	9.35	10.06	----	11.33	12.05	13.35	13.38	10.16
17	11.01	----	7.41	8.25	9.38	10.17	----	11.33	12.15	13.32	13.31	10.26
18	11.12	----	7.39	8.34	9.60	10.23	----	11.34	12.22	13.33	13.26	10.58
19	10.98	----	7.46	----	9.62	10.31	----	11.36	12.16	13.39	13.23	10.55
20	11.05	----	7.52	----	9.79	10.33	9.98	11.31	12.28	13.38	12.88	10.04
21	11.18	----	7.52	----	9.80	10.40	10.11	11.32	12.32	13.38	12.70	9.46
22	11.27	----	7.56	----	9.80	10.35	10.26	11.31	12.32	13.38	12.62	9.27
23	11.22	----	7.73	----	9.81	10.29	10.43	11.30	12.39	13.39	12.60	9.11
24	11.23	----	7.82	9.34	9.78	10.32	10.47	11.45	12.47	13.50	12.38	9.15
25	11.23	----	7.92	9.21	9.75	10.38	10.52	11.63	12.50	13.44	12.30	9.34
26	11.34	----	7.91	9.21	9.49	10.45	10.62	11.61	12.54	13.44	12.43	9.32
27	11.38	----	8.12	----	8.36	10.05	10.75	11.62	12.63	13.53	12.50	9.32
28	11.18	----	8.18	----	7.57	10.04	10.86	11.68	12.66	13.48	12.44	9.36
29	11.10	6.90	8.37	----	7.00	10.11	10.98	11.70	12.67	13.46	12.53	9.57
30	11.07	----	8.45	----	6.99	10.16	11.06	11.64	12.69	13.38	12.49	9.41
31	11.30	----	8.60	----	6.91	----	11.13	11.68	----	13.35	----	9.45

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

(Daily highest water level from recorder graph, 1957)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.88	----	----	7.56	7.98	8.08	4.68	10.56	11.38	11.92	----	9.79
2	10.12	----	7.62	7.12	8.13	8.14	5.26	10.44	11.34	12.03	----	9.89
3	9.90	----	7.90	4.58	8.36	8.30	5.76	9.95	11.37	12.09	----	9.81
4	10.05	----	8.03	5.05	8.58	8.44	6.19	9.85	11.43	12.16	----	9.97
5	10.19	9.64	8.18	5.52	----	8.59	5.92	9.90	11.58	12.23	----	9.97
6	10.16	9.62	8.36	5.67	----	8.72	6.04	10.02	11.62	12.25	----	9.78
7	10.24	9.60	8.55	6.14	----	----	6.50	10.12	11.64	12.26	11.02	8.75
8	10.13	9.31	8.69	6.04	----	----	6.97	10.21	11.70	12.32	10.87	8.26
9	10.02	----	----	5.86	----	----	7.40	10.30	11.76	12.39	10.83	8.04
10	----	----	----	5.89	9.32	----	7.87	10.36	11.84	12.46	10.82	7.99
11	9.91	----	----	6.03	9.34	----	8.18	10.28	11.93	12.53	10.65	8.37
12	9.77	----	----	----	9.35	----	8.41	10.06	11.92	12.58	10.47	8.56
13	9.82	----	----	----	9.23	----	8.39	10.03	11.94	12.57	10.11	----
14	10.01	----	----	----	9.14	----	8.37	10.05	11.93	12.56	9.20	8.84
15	10.08	----	9.44	----	9.17	----	8.49	10.04	11.92	12.52	8.77	9.14
16	10.20	----	9.46	7.34	9.45	----	----	10.31	11.98e	13.27	8.77	9.22
17	10.16	----	9.41	7.56	9.37	----	----	10.50	12.13	12.15	8.84	8.05
18	10.20	----	9.22	7.57	9.32	6.80	----	10.59	12.15	12.16	8.28	----
19	10.47	----	9.20	7.63	8.92	6.81	9.11	10.68	12.08	12.18	8.28	5.40
20	10.44	----	9.38	6.66	7.79	6.94	9.26	10.79	11.77	----	8.33	4.68
21	----	----	9.26	6.04	7.58	7.22	9.42	10.94	11.64	----	8.52	5.94
22	8.09	9.12	9.23	6.03	7.59	7.51	9.55	11.10	11.65	----	----	6.31
23	7.97	9.29	9.31	6.15	7.34	7.84	9.67	11.12	11.68	----	----	6.43
24	7.76	9.28	9.37	6.44	7.29	8.07	9.76	11.09	11.70	10.40	----	6.82
25	7.76	9.28	9.04	6.73	7.16	----	9.88	11.10	11.69	10.37	----	5.76
26	----	----	8.86	7.01	7.17	----	9.96	11.21	11.74	10.39	----	5.76
27	8.31	----	----	7.20	7.52	----	10.05	11.30	11.88	10.55	----	5.99
28	8.35	----	8.43	7.44	7.88	3.50	10.14	11.24	11.95	10.67	----	5.98
29	----	----	8.37	7.65	8.08	4.23	10.23	11.23	11.94	10.61	9.51	6.35
30	----	----	8.38	7.84	8.27	4.19	10.30	11.28	11.92	10.62	9.62	6.57
31	----	----	8.34	----	8.16	----	10.43	11.34	----	----	----	6.77

(Daily highest water level from recorder graph, 1958)

1	7.04	----	----	9.05	9.38	9.52	7.97	5.51	9.99	9.89	10.95	7.42
2	7.35	----	----	9.02	9.46	9.62	8.20	5.71	10.14	9.99	10.89	7.70
3	7.52	----	----	9.06	8.93	9.71	8.40	5.78	10.14	9.99	10.91	7.67
4	7.77	8.21	----	9.10	----	9.74	8.46	6.30	10.16	10.01	10.87	7.70
5	7.81	8.18	----	8.97	----	9.76	8.70	6.88	10.28	10.03	10.84	7.93
6	7.71	8.27	----	8.84	----	9.90	8.94	7.30	10.30	10.14	11.01	8.27
7	7.89	8.41	10.84	8.84	----	9.92	9.10	7.63	10.29	10.10	11.04	8.34
8	8.12	8.57	10.72	8.68	----	9.93	9.23	7.64	10.33	10.11	10.88	8.30
9	8.33	8.68	10.69	8.59	7.18	9.70	9.37	7.86	10.37	10.16	10.79	8.47
10	8.40	8.64	10.84	8.56	7.54	8.46	9.43	8.08	10.39	10.26	10.91	8.74

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

(Daily highest water level from recorder graph, 1958)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
11	e8.60	8.66	10.92	8.56	7.76	6.95	----	8.28	10.60	10.32	11.04	8.65
12	----	8.75	10.90	8.65	8.07	6.89	----	8.46	10.68	10.40	11.05	8.69
13	----	8.81	10.83	8.81	8.38	6.92	----	8.64	10.74	10.39	10.99	8.98
14	----	8.88	10.91	8.86	----	7.15	----	8.87	10.80	10.41	10.99	9.17
15	----	8.88	10.96	8.88	----	7.41	----	7.46	10.86	10.42	10.66	9.25
16	----	9.05	10.95	9.01	8.76	7.69	----	7.22	10.15	10.43	9.97	9.23
17	9.31	9.18	11.01	9.14	8.77	7.99	----	6.98	8.45	10.45	7.23	9.23
18	9.43	9.23	11.03	9.18	8.86	8.22	----	6.71	8.26	10.57	7.01	9.46
19	9.56	9.32	11.05	9.22	9.02	8.54	----	6.79	8.26	10.59	7.04	9.41
20	9.48	9.40	11.03	9.29	9.08	e8.50	----	7.13	8.29	10.59	7.21	9.70
21	----	9.34	11.03	9.16	9.18	----	----	7.45	8.39	10.66	7.49	9.89
22	----	9.34	11.09	9.12	9.21	----	----	7.85	8.69	10.71	7.61	9.87
23	----	9.38	11.12	9.11	9.03	----	8.30	8.15	8.96	10.73	7.97	9.87
24	----	9.34	10.52	9.11	8.94	----	8.48	8.32	9.09	10.78	8.07	10.02
25	----	9.52	9.58	9.55	8.95	----	8.42	8.56	e9.25	10.87	7.38	10.23
26	----	9.40	9.06	9.53	9.18	----	8.43	8.80	e9.43	10.91	6.64	10.29
27	----	9.28	8.90	9.40	9.25	----	8.42	9.03	9.57	10.92	6.63	10.29
28	----	9.36	8.89	9.32	9.31	----	6.63	9.20	9.72	10.97	6.63	10.35
29	----	----	8.89	9.37	9.50	----	6.57	9.39	9.75	11.02	6.92	10.44
30	----	----	8.86	9.39	9.55	----	6.68	9.57	9.76	11.08	7.42	10.61
31	----	----	8.92	----	9.52	----	5.49	9.75	----	10.97	----	10.47

(Daily highest water level from recorder graph, 1959)

1	10.14	8.71	7.69	8.21	6.86	8.64	10.77	12.29	12.63	13.21	11.99	11.49
2	10.11	8.76	7.57	e7.16	7.10	8.94	10.94	12.35	12.58	13.22	11.99	11.52
3	10.13	8.44	7.70	e7.01	7.38	9.16	11.04	12.36	12.63	13.22	12.03	11.55
4	10.19	8.44	7.98	7.17	7.66	9.39	11.06	12.16	12.71	13.32	11.37	11.54
5	10.49	8.61	7.59	7.14	7.91	9.55	11.08	12.08	12.74	13.28	11.23	11.56
6	10.30	9.06	7.46	7.35	8.17	9.69	11.19	12.04	12.75	13.13	11.35	11.45
7	10.28	9.13	7.39	7.51	8.46	9.88	11.32	12.03	12.78	13.12	11.47	11.45
8	10.33	9.16	----	7.62	8.79	10.06	11.39	12.06	12.85	13.08	11.48	11.45
9	10.51	7.83	----	----	8.90	10.19	11.44	12.12	12.89	13.15	11.52	11.62
10	10.58	6.80	----	----	8.91	10.25	11.53	12.20	12.92	12.98	11.47	11.53
11	10.61	6.70	----	8.26	8.99	9.04	11.55	12.29	12.98	12.56	11.50	10.85
12	10.58	6.59	----	8.39	9.09	8.94	11.64	12.37	12.98	12.43	11.63	9.89
13	10.60	6.61	----	8.50	9.10	8.98	11.75	12.41	12.98	12.39	10.98	9.75
14	10.35	6.31	5.98	8.62	9.23	9.26	11.83	12.46	12.93	12.40	10.37	9.70
15	10.24	6.31	5.89	8.78	9.34	9.38	11.88	12.47	12.92	12.44	10.09	9.70
16	10.21	6.30	6.25	8.86	9.52	9.49	11.92	12.36	12.99	12.50	10.09	9.76
17	10.23	6.41	6.29	9.01	9.61	9.65	11.94	12.21	13.15	12.54	10.39	9.92
18	10.24	6.59	6.75	9.10	9.68	9.85	11.83	12.23	13.21	12.60	10.51	10.08
19	10.19	6.92	6.87	9.09	9.68	10.02	11.82	12.28	13.22	12.63	10.54	10.33
20	9.64	7.09	7.00	9.03	9.75	10.15	11.88	12.32	13.21	12.63	10.70	10.43

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 1--Cont.

(Daily highest water level from recorder graph, 1959)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	8.61	7.25	7.24	9.13	9.74	10.22	11.97	12.35	13.22	12.72	10.70	10.42
22	8.26	7.39	7.61	9.15	9.73	10.26	12.05	----	13.24	12.67	10.85	10.57
23	8.10	7.15	7.76	9.20	9.63	10.45	12.05	----	13.29	12.44	10.94	10.57
24	7.94	7.32	7.91	9.27	9.59	10.54	12.06	----	13.35	12.06	10.87	10.62
25	7.94	7.35	8.08	9.30	9.57	10.54	12.13	----	13.33	11.86	11.03	10.71
26	7.97	7.36	8.10	9.41	9.58	10.44	12.22	12.63	13.24	11.74	11.27	10.70
27	8.18	7.56	8.12	8.97	8.30	10.45	12.21	12.66	13.23	11.81	11.39	9.93
28	8.37	7.68	8.61	6.90	8.05	10.48	12.16	12.58	13.23	12.09	11.48	9.22
29	8.40	----	8.57	6.48	8.06	10.61	12.17	12.57	13.25	12.09	11.51	9.05
30	8.40	----	8.56	6.59	8.15	10.71	12.23	12.60	13.19	12.11	11.49	9.01
31	8.65	----	8.58	----	8.41	----	12.27	12.65	----	12.05	----	9.08

(Daily highest water level from recorder graph, 1960)

1	9.23	9.09	9.78	7.31	9.66	7.99	8.58	10.81	11.43	12.30	12.14	11.16
2	9.16	9.20	9.55	7.33	9.54	8.10	8.78	10.87	11.49	12.26	12.19	11.15
3	9.16	9.26	9.53	7.65	9.54	8.32	8.92	9.98	11.58	12.39	12.39	11.15
4	9.40	9.28	9.84	7.75	9.58	8.55	9.16	9.59	11.63	12.38	12.48	11.16
5	9.40	7.85	10.04	7.91	9.63	8.77	9.43	9.59	11.65	12.27	12.46	11.20
6	9.43	7.25	10.16	8.04	9.39	9.10	9.70	9.72	11.74	12.29	12.33	10.88
7	9.44	7.14	10.17	8.23	8.74	9.32	9.89	9.80	11.82	12.40	12.49	10.49
8	9.59	6.95	10.13	8.50	8.62	9.50	10.03	9.87	11.88	12.35	12.39	10.48
9	9.91	6.54	10.03	8.72	8.53	9.70	10.17	10.04	11.92	12.36	12.19	10.54
10	9.92	5.85	10.12	9.00	8.48	9.86	10.20	10.14	11.98	12.47	12.09	10.54
11	10.10	6.20	10.27	8.96	8.58	----	10.22	10.33	11.95	12.49	11.95	10.42
12	9.91	6.70	10.33	9.05	8.70	----	10.35	10.45	11.95	12.50	11.93	10.49
13	9.54	6.77	10.44	9.22	8.70	----	8.88	10.51	12.01	12.54	11.93	10.43
14	8.80	6.84	10.35	9.33	8.73	----	8.62	10.61	12.14	12.58	11.96	10.33
15	8.47	7.31	10.00	9.40	8.91	----	8.65	10.74	12.16	12.66	11.76	10.33
16	8.45	7.42	9.72	9.34	9.07	----	8.80	10.90	12.27	12.68	11.46	10.50
17	8.32	7.60	9.68	9.33	9.08	----	8.95	10.98	12.31	12.66	11.33	10.61
18	8.29	7.93	9.43	9.54	9.32	10.46	9.11	11.02	12.29	12.69	11.23	10.81
19	8.51	8.19	9.07	9.58	9.41	10.52	9.32	11.07	11.96	12.68	11.31	10.85
20	8.83	8.58	8.82	9.38	9.39	10.59	9.59	11.02	11.92	12.71	11.38	10.78
21	8.87	8.47	8.37	9.38	9.35	10.21	9.86	11.05	----	12.62	11.40	10.81
22	9.03	8.62	8.32	9.61	9.24	10.06	9.99	11.11	----	12.44	11.42	10.99
23	9.23	8.96	8.33	9.72	9.24	6.44	10.11	11.19	----	12.42	11.50	11.07
24	9.29	9.07	8.28	9.72	9.29	6.34	10.24	11.31	11.93	12.48	11.45	11.07
25	9.32	8.92	8.31	9.73	9.36	6.52	10.40	11.42	11.99	12.58	11.45	11.03
26	9.48	e9.12	8.31	9.80	8.69	6.93	10.45	11.46	12.12	12.41	11.48	10.96
27	9.24	9.49	8.04	9.99	8.60	7.36	10.50	11.55	12.16	12.38	11.48	11.09
28	9.08	9.50	7.54	10.05	8.63	7.71	10.58	11.59	12.17	12.35	11.30	10.89
29	9.07	9.59	7.26	9.97	8.80	7.96	10.51	11.64	12.19	12.32	11.08	10.79
30	9.03	----	7.23	9.78	7.99	8.36	10.49	11.45	12.22	12.20	11.06	10.82
31	9.03	----	7.42	----	7.95	----	10.65	11.41	----	12.11	----	10.81

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 2. (17/6W-36C2). Vandalia Railroad. Waveland. NE¼NW¼ sec. 36, T. 17 N., R. 6 W. Dug unused artesian well in sand and gravel, diameter 36 inches, depth 7.5 feet. Land-surface datum is about 730 feet above msl. Highest water level is 0.58 above lsd, Jan. 15, 1937; lowest 4.79 below lsd, Sept. 1, 1936. Records available 1935 to 1943.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1935		May 1	1.76	1939		Aug. 21	4.04
		18	2.27			28	4.49
Oct. 15	3.68	June 3	2.60	Jan. 3	2.74	Sept. 16	3.74
Nov. 1	3.36	15	2.21	16	2.09	25	4.05
15	2.62	July 2	2.80	31	+0.54	Oct. 15	2.69
Dec. 2	2.95	16	2.02	Feb. 16	1.67	29	3.43
16	2.80	Aug. 2	2.49	Mar. 2	0.89	Nov. 16	2.97
		20	3.26	15	1.04	26	1.31
1936		Sept. 1	3.54	Apr. 1	2.36	Dec. 13	1.80
		Oct. 2	3.65	15	+0.37	30	2.19
Jan. 4	2.70	18	+0.40	May 2	2.18		
Feb. 6	2.55	Nov. 5	2.68	18	2.72	1941	
19	2.29	18	2.72	31	2.90		
Mar. 2	1.27	Dec. 1	2.43	June 15	2.76	Jan. 15	2.67
17	1.78	16	2.05	July 5	2.95	31	2.47
Apr. 1	1.64			18	2.17	Feb. 14	2.12
16	2.30	1938		31	2.85	28	2.62
May 1	1.60			Aug. 17	2.94	Mar. 13	2.43
15	2.30	Jan. 3	2.03	Sept. 2	3.34	31	2.70
June 1	2.78	22	2.53	22	3.77	Apr. 15	2.32
15	3.06	Feb. 5	2.53	30	3.86	28	2.62
July 1	3.14	16	2.31	Oct. 16	3.96	May 14	2.63
15	3.76	Mar. 2	1.94	Nov. 2	3.60	June 15	2.21
Aug. 6	4.20	14	+0.15	19	3.49	29	2.05
17	4.25	Apr. 4	+0.52	Dec. 2	3.41	Oct. 3	2.49
Sept. 1	4.79	16	1.71	21	3.26	16	3.21
15	2.43	29	2.51			Nov. 4	2.47
Oct. 3	2.23	May 16	2.74	1940		24	2.09
15	2.04	28	0.62			Dec. 9	2.80
Nov. 3	+0.50	June 15	2.49	Jan. 2	3.36	18	3.00
17	2.11	29	2.33	15	2.25		
Dec. 1	2.53	Aug. 6	3.03	Feb. 5	3.00	1942	
16	2.58	17	2.70	20	2.37		
31	+0.53	31	2.90	Mar. 1	2.20	Jan. 14	3.25
		Sept. 17	3.12	16	2.03	Mar. 6	2.59
1937		30	3.27	Apr. 3	2.21	Apr. 20	2.60
		Oct. 7	3.96	17	0.49	May 22	2.54
Jan. 15	+0.58	17	3.49	30	1.99	June 24	2.94
Feb. 1	0.55	Nov. 2	3.47	May 17	2.30	July 22	2.78
16	1.62	15	3.14	June 1	1.46	31	3.41
Mar. 1	1.95	Dec. 1	2.96	14	2.20	Aug. 15	3.74
15	2.14	15	2.45	July 2	3.06	Sept. 2	3.98
Apr. 1	2.21			24	3.57	15	3.34
15	1.83			Aug. 2	3.69	30	3.99

Montgomery 2--Cont.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 15	3.97	1943		Mar. 14	1.96	June 15	2.00
31	3.94			Apr. 1	1.50	July 1	2.96
Dec. 1	2.93	Jan. 15	1.40	16	1.96	28	2.39
15	2.99	Feb. 1	2.00	May 1	2.00		

Montgomery 3. (17/6W-25L1). Charles Lamson. Waveland. NE¼SW¼ sec. 25, T. 17 N., R. 6 W. Dug unused water-table well in glacial drift, diameter 36 inches, depth 15.5 feet. Land-surface datum is about 780 feet above msl. Highest water level is 0.38 below lsd, Jan. 15, 1937; lowest 14.94 below lsd, Oct. 15, 1940. Records available 1935 to 1942.

1935		1937		May 16	9.27	Oct. 16	14.08
				28	9.46	Nov. 2	14.06
Oct. 15	13.92	Jan. 15	0.38	June 15	8.84	19	14.19
Nov. 1	12.84	Feb. 1	1.62	29	9.10	Dec. 2	14.13
15	13.14	16	5.10	Aug. 6	10.64	21	14.20
Dec. 2	13.07	Mar. 1	5.90	17	10.97		
16	12.57	15	7.32	31	10.75	1940	
		Apr. 1	7.87	Sept. 17	11.66		
1936		15	5.01	30	12.33	Jan. 2	14.43
		May 1	4.59	Oct. 17	12.91	15	14.04
Jan. 4	12.55	18	7.91	Nov. 2	13.15	Feb. 5	13.65
Feb. 6	11.59	June 3	9.88	15	12.99	20	11.93
19	10.29	15	9.72	Dec. 1	12.74	Mar. 1	11.00
Mar. 2	5.85	July 2	10.70	15	10.70	16	9.76
17	6.31	16	9.18			Apr. 3	10.02
Apr. 1	6.10	Aug. 2	10.11	1939		17	7.25
16	7.39	20	12.09			30	6.15
May 1	4.78	Sept. 1	12.75	Jan. 3	10.90	May 17	6.95
15	7.25	Oct. 2	13.20	16	8.60	June 1	5.63
June 1	9.80	18	12.40	31	0.90	14	5.76
15	11.28	Nov. 5	11.95	Feb. 16	3.43	July 2	10.15
July 1	12.20	18	11.77	Mar. 2	1.25	24	12.62
15	14.00	Dec. 1	11.30	15	1.26	Aug. 2	13.01
Aug. 6	13.70	16	10.44	Apr. 1	6.34	21	13.81
17	14.07			15	7.54	28	13.98
Sept. 1	14.10	1938		May 2	5.35	Sept. 16	14.48
15	14.35			18	8.60	25	14.52
Oct. 3	13.60	Jan. 3	7.42	31	10.00	Oct. 15	14.94
15	11.30	22	9.46	June 15	10.08	29	14.66
Nov. 3	4.22	Feb. 5	7.42	July 5	9.23	Nov. 16	14.56
17	8.93	16	7.73	18	9.69	26	14.49
Dec. 1	10.12	Mar. 2	4.18	31	9.36	Dec. 13	14.15
16	10.40	14	2.02	Aug. 17	10.71	30	13.13
31	3.37	Apr. 4	2.29	Sept. 2	12.30		
		16	3.39	22	13.30		
		29	6.87	30	13.49		

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 3--Cont.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1941		Feb. 28	12.09	May 14	10.30	1942	
		Mar. 13	11.55	June 15	8.63		
Jan. 15	12.98	31	11.55	29	8.63	July 22	9.97
31	12.33	Apr. 15	9.15	Oct. 3	13.91		
Feb. 14	11.55	28	10.20				

Montgomery 4. (17/6W-13K1). Mrs. W. L. Glenn. Waveland. NW¼SE¼ sec. 13, T. 17 N., R. 6 W. Dug unused water-table well in glacial drift, diameter 36 inches, depth 21 feet. Land-surface datum is about 770 feet above msl. Recording gage installed Dec. 4, 1946. Highest water level is 1.30 below lsd, Jan. 25, 1950; lowest 17.33 below lsd, Oct. 15, 1940. Records available 1935 to 1942 and 1946 to 1957.

1935		1937		Apr. 16	2.61	Aug. 17	10.33
				29	4.12	Sept. 2	11.25
Oct. 15	11.15	Jan. 15	2.23	May 16	5.63	22	13.09
Nov. 1	11.74	Feb. 1	2.31	28	6.08	30	13.70
15	12.06	16	3.26	June 15	6.24	Oct. 16	14.50
Dec. 2	12.36	Mar. 1	3.45	29	7.30	Nov. 2	14.81
16	12.04	15	3.51	Aug. 6	8.95	19	14.78
		Apr. 1	4.50	17	9.40	Dec. 2	14.76
1936		15	3.10	31	9.88	21	14.57
		May 1	3.77	Sept. 17	10.60		
Jan. 4	11.78	18	3.76	30	11.39	1940	
Feb. 6	10.91	June 3	5.28	Oct. 17	12.71		
19	10.45	15	6.16	Nov. 2	13.30	Jan. 2	14.67
Mar. 2	8.68	July 2	7.17	15	12.67	15	13.99
17	8.93	16	8.09	Dec. 1	11.52	Feb. 5	12.06
Apr. 1	7.40	Aug. 2	8.13	15	10.36	20	11.00
16	7.95	20	9.72			Mar. 1	10.71
May 1	5.59	Sept. 1	10.26	1939		16	10.32
15	4.30	Oct. 2	11.00			Apr. 3	10.31
June 1	5.96	18	11.60	Jan. 3	10.56	17	10.08
15	7.50	Nov. 5	9.10	16	9.89	30	9.72
July 1	8.71	18	10.02	31	9.76	May 17	9.48
15	9.81	Dec. 1	9.97	Feb. 16	9.48	June 1	9.36
Aug. 6	10.64	16	10.40	Mar. 2	8.16	14	9.53
17	10.84			15	2.76	July 2	10.37
Sept. 1	12.35	1938		Apr. 1	5.22	24	11.77
15	12.81			15	6.10	Aug. 2	12.34
Oct. 3	11.78	Jan. 3	9.49	May 2	3.50	21	13.85
15	10.79	22	9.33	18	5.15	28	14.26
Nov. 3	10.33	Feb. 5	9.03	31	6.60	Sept. 16	15.10
17	10.13	16	9.06	June 15	7.77	25	15.38
Dec. 1	10.30	Mar. 2	8.62	July 5	9.03	Oct. 15	17.33
16	10.35	14	8.03	18	9.60	29	14.09
31	9.55	Apr. 4	1.33	31	9.76	Nov. 16	13.43

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 4--Cont.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1940		Mar. 31	10.48	1946		Sept. 11	13.12
		Apr. 15	9.90			17	13.96
Nov. 26	13.15	28	9.95	June 26	5.21	25	14.90
Dec. 13	11.81	May 14	10.27	July 3	6.19	Oct. 2	14.94
30	11.50	June 15	9.82	10	7.16	9	14.97
		29	10.01	17	7.97	16	14.98
1941		Oct. 3	13.71	24	8.86	23	14.98
				31	9.77	30	14.97
Jan. 15	11.23	1942		Aug. 7	10.29	Nov. 6	14.93
31	10.86			14	10.77	13	13.93
Feb. 14	10.72	July 22	8.94	22	11.18	20	12.94
28	10.89			28	11.75	28	11.79
Mar. 13	10.57			Sept. 4	12.44	Dec. 4	11.96

(Daily 2 A.M. water level from recorder graph, 1946)

Dec. 6	11.50	Dec. 13	11.30	Dec. 20	11.10	Dec. 27	11.05
7	11.48	14	11.26	21	11.09	28	11.04
8	11.46	15	11.22	22	11.09	29	11.02
9	11.45	16	11.18	23	11.09	30	11.00
10	11.42	17	11.15	24	11.07	31	11.00
11	11.39	18	11.12	25	11.06		
12	11.35	19	11.11	26	11.05		

(Daily 2 A.M. water level from recorder graph, 1947)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.00	----	10.69	10.29	2.50	2.91	6.05	9.83	11.40	----	12.67	----
2	11.00	10.47	10.70	10.27	2.51	2.38	6.21	9.96	11.43	----	12.56	----
3	10.98	10.46	10.71	10.25	2.66	2.34	6.36	10.01	11.49	----	12.44	----
4	10.97	10.47	10.72	10.23	2.79	2.61	6.51	10.09	11.59	----	12.33	----
5	10.97	10.47	10.73	10.20	2.93	2.87	6.69	10.19	11.61	11.78	12.23	----
6	10.96	----	10.74	10.00	3.11	3.14	6.79	10.29	11.63	11.81	12.14	----
7	10.96	----	10.74	9.64	3.25	2.32	6.88	10.42	11.69	11.88	12.07	11.32
8	10.95	----	10.74	9.55	3.36	2.20	7.05	10.46	11.76	11.94	12.00	11.29
9	10.95	----	10.73	9.50	3.48	2.47	7.22	10.56	11.84	12.00	11.94	11.28
10	10.95	----	10.73	9.47	3.60	2.81	7.34	10.68	11.91	12.07	11.89	11.28
11	10.94	----	10.73	9.44	3.74	3.22	7.41	10.81	11.96	12.13	11.84	11.27
12	10.93	10.60	10.72	9.36	3.86	3.53	7.53	10.94	12.02	12.20	11.77	11.27
13	10.91	10.62	10.71	9.25	3.98	3.73	7.70	11.07	11.97	12.28	11.71	11.27
14	10.88	10.63	10.68	9.17	4.10	3.91	7.84	11.21	11.95	12.35	11.67	11.27
15	10.86	10.63	10.65	9.12	4.23	4.08	8.02	11.30	11.97	12.43	11.61	11.27
16	10.83	10.62	10.62	9.08	4.33	4.25	8.08	11.32	11.91	12.51	11.55	11.27
17	10.81	10.62	10.60	9.04	4.36	4.43	8.14	11.32	11.87	12.60	11.52	11.27
18	10.79	10.61	10.58	8.94	4.34	4.54	8.25	11.36	11.85	12.67	11.49	11.26

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 4--Cont.

(Daily 2 A.M. water level from recorder graph, 1947)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
19	10.78	10.60	10.56	8.88	4.25	4.63	8.30	11.41	11.85	12.73	11.46	----
20	10.75	10.60	10.54	8.83	4.19	4.72	8.38	11.44	11.88	12.80	11.44	----
21	10.73	10.59	10.52	8.78	4.08	4.89	8.46	11.42	----	12.88	11.43	----
22	10.73	10.59	10.49	8.70	2.55	5.05	8.56	11.43	----	12.96	11.41	----
23	10.72	10.59	10.46	8.62	2.58	5.20	8.68	11.46	----	13.03	11.40	11.24
24	10.70	10.60	10.44	8.55	2.85	5.35	8.79	11.51	----	13.11	11.38	11.24
25	10.67	10.62	10.42	8.51	2.65	5.42	8.93	11.59	----	13.17	11.36	11.24
26	10.66	10.64	10.40	6.72	2.52	----	9.05	11.58	----	13.23	11.35	11.23
27	10.64	10.66	10.38	6.05	2.73	5.62	9.16	11.49	----	13.28	11.34	11.23
28	10.63	10.67	10.36	5.86	2.67	5.73	9.26	11.44	----	13.23	11.33	11.23
29	10.61	----	10.34	5.70	2.76	5.84	9.39	11.41	----	13.10	11.33	11.23
30	10.59	----	10.31	3.91	2.51	5.94	9.53	11.38	----	12.95	11.33	----
31	----	----	10.30	----	2.72	----	9.69	11.40	----	12.80	----	11.19

(Daily 2 A.M. water level from recorder graph, 1948)

1	11.17	11.19	10.77	3.17	4.53	5.42	----	10.95	13.00	13.27	12.52	11.69
2	11.13	11.22	10.73	2.87	4.62	5.64	----	11.02	13.09	13.24	12.53	11.69
3	11.01	11.25	10.70	3.14	4.70	5.85	----	11.12	13.18	13.23	12.53	11.69
4	11.07	11.27	10.67	3.32	4.79	6.07	----	11.23	13.23	13.22	12.51	11.69
5	11.04	11.29	10.66	3.48	4.86	6.27	----	11.25	13.31	13.21	12.47	11.70
6	11.02	11.31	10.64	1.74	4.92	6.46	9.65	11.33	13.38	13.22	12.42	11.69
7	10.99	11.32	10.61	2.41	4.82	6.53	9.75	----	13.41	13.23	12.36	11.69
8	10.97	----	10.59	1.99	4.06	6.62	9.86	----	13.45	13.24	12.30	11.69
9	10.94	----	10.57	2.52	3.77	6.76	9.98	----	13.50	13.25	12.25	11.69
10	10.92	----	10.56	2.67	3.66	6.91	10.09	----	13.54	13.28	12.20	11.70
11	10.90	----	10.55	2.81	3.66	7.10	10.22	----	13.60	13.29	12.15	11.72
12	10.88	----	10.54	2.81	3.61	7.25	10.29	----	13.66	13.23	12.10	11.72
13	10.87	----	10.54	1.65	2.24	7.32	10.38	----	13.72	13.16	12.04	11.72
14	10.86	----	10.53	2.29	2.48	7.44	10.42	12.34	13.79	13.12	12.00	11.72
15	10.86	11.36	10.51	2.45	2.56	7.56	10.46	12.32	13.85	13.08	11.97	11.72
16	10.86	11.34	10.50	2.53	2.42	7.64	10.53	12.28	13.92	13.06	11.94	11.70
17	10.87	11.30	10.49	2.73	2.38	7.77	10.60	12.29	13.98	13.00	11.91	11.67
18	10.88	11.24	10.48	2.88	2.80	7.90	10.64	12.27	14.05	12.92	11.88	11.64
19	10.89	11.14	10.46	3.02	3.03	8.04	10.71	12.35	14.12	12.84	11.85	11.61
20	10.92	11.13	10.45	3.17	3.23	8.18	10.76	12.45	14.18	12.77	11.82	11.58
21	10.94	11.09	10.43	3.34	3.39	8.29	10.80	11.81	14.09	12.71	11.87	11.55
22	10.95	11.06	10.41	3.48	3.56	8.40	10.82	11.90	13.93	12.67	11.78	11.53
23	10.97	11.03	10.30	3.60	3.74	8.56	10.80	12.00	13.79	12.63	11.76	11.50
24	10.99	11.00	8.43	3.73	3.95	8.74	10.78	12.12	13.67	12.60	11.75	11.49
25	11.00	10.96	8.20	3.86	4.13	8.82	10.80	12.24	13.61	12.56	11.74	11.47
26	11.03	10.92	8.16	3.98	4.30	----	10.85	12.36	13.52	12.54	11.73	11.46
27	11.05	10.88	5.00	4.11	4.48	----	10.86	12.48	13.44	12.52	11.71	11.46

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 4--Cont.

(Daily 2 A.M. water level from recorder graph, 1948)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
28	11.08	10.83	3.54	4.22	4.67	----	10.87	12.60	13.39	12.51	11.70	11.47
29	11.10	10.80	3.54	4.33	4.88	----	10.86	12.70	13.34	12.51	11.70	11.46
30	11.13	----	3.74	4.44	5.04	----	10.86	12.80	13.30	12.51	11.69	11.43
31	11.15	----	3.96	----	5.23	----	10.89	12.90	----	12.51	----	11.41

(Daily 2 A.M. water level from recorder graph, 1949)

1	11.38	4.03	4.21	4.48	4.30	6.77	10.59	13.40	14.57	15.70	11.72	11.31
2	11.36	4.28	4.27	4.35	4.29	6.94	10.79	13.36	14.63	15.73	11.71	11.34
3	11.35	4.53	4.35	4.28	4.32	7.12	10.96	13.33	14.68	15.77	11.70	11.37
4	11.33	4.73	4.42	4.24	4.35	7.32	11.12	13.32	14.73	15.78	11.70	11.39
5	11.04	4.96	4.46	4.19	4.39	7.47	11.29	13.31	14.77	15.79	11.71	11.42
6	9.70	5.14	4.51	4.14	4.45	7.65	11.44	13.33	14.82	15.78	11.72	11.45
7	9.60	5.29	4.60	4.12	4.50	7.83	11.59	13.35	14.86	15.67	11.74	11.47
8	9.61	5.45	4.65	4.12	4.55	8.70	11.72	13.39	14.90	15.54	11.75	11.52
9	9.63	5.59	4.69	4.14	4.60	8.18	11.84	13.43	14.94	15.43	11.77	11.53
10	9.67	5.75	4.72	4.16	4.66	8.34	11.89	13.48	14.98	15.33	11.79	11.55
11	e9.70	5.89	4.78	4.18	4.74	8.54	11.95	13.54	15.03	15.23	11.81	11.57
12	e9.72	6.01	4.81	4.19	4.83	8.62	12.03	13.59	15.08	15.06	11.83	11.55
13	e9.71	6.10	4.84	4.19	4.93	8.73	12.12	13.62	15.12	14.78	11.83	11.51
14	e9.70	6.20	4.88	4.20	5.04	8.79	12.23	13.66	15.16	14.48	11.73	11.48
15	9.70	6.28	4.89	4.22	5.15	8.86	12.34	13.70	15.20	14.17	11.62	11.46
16	9.70	2.11	4.92	4.26	5.26	8.90	12.45	13.74	15.24	13.87	11.53	11.45
17	9.71	2.57	4.93	4.29	5.36	8.91	12.57	13.79	15.28	13.60	11.46	11.44
18	9.73	2.84	4.93	4.28	5.51	9.00	12.67	13.83	15.33	13.36	11.40	11.44
19	7.10	3.02	4.97	4.31	5.67	9.10	12.74	13.87	15.36	13.15	11.35	11.41
20	5.64	3.16	5.00	4.33	5.75	9.24	12.83	13.93	15.39	12.97	11.31	11.38
21	5.68	3.33	5.00	4.34	5.80	9.37	12.92	13.98	15.42	12.79	11.28	11.34
22	5.83	3.47	4.99	4.34	5.86	9.45	13.00	14.04	15.45	12.64	11.27	11.23
23	6.00	3.56	5.00	4.35	5.89	9.60	13.04	14.10	15.47	12.46	11.26	10.85
24	6.14	3.70	5.03	4.35	5.98	9.74	13.10	14.16	15.50	12.30	11.26	10.80
25	6.22	3.80	5.04	4.38	6.03	9.89	13.17	14.21	15.53	12.17	11.25	10.77
26	6.20	4.00	5.05	4.39	6.13	10.02	13.23	14.27	15.56	12.05	11.25	10.74
27	6.14	4.05	5.03	4.40	6.21	10.12	13.29	14.32	15.58	11.96	11.25	10.56
28	5.50	4.12	4.93	4.38	6.29	10.23	13.35	14.38	15.61	11.89	11.27	10.42
29	3.42	----	4.80	4.35	6.38	10.36	13.42	14.42	15.64	11.83	11.28	10.36
30	3.56	----	4.70	4.32	6.50	10.46	13.48	14.47	15.67	11.78	11.29	10.32
31	3.76	----	4.59	----	6.63	----	13.44	14.52	----	11.74	----	10.29

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 4--Cont.

(Daily 2 A.M. water level from recorder graph, 1950)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1	10.27	3.30	3.04	2.72	2.40	5.24	8.57	11.55	14.12	11.38	11.59	10.79
2	10.26	3.45	2.98	2.73	2.44	5.38	8.71	11.69	13.95	11.34	11.62	10.77
3	10.25	3.60	3.04	2.76	2.59	5.52	8.72	11.83	13.77	11.32	11.65	10.72
4	4.50	3.76	3.14	2.50	2.76	5.56	8.73	11.97	13.63	11.31	11.68	10.69
5	2.55	3.91	3.22	2.11	2.88	5.70	8.79	12.12	13.51	11.30	11.70	10.66
6	3.14	4.02	3.29	2.36	2.95	5.85	8.87	12.22	13.42	11.31	11.73	10.63
7	3.50	4.14	3.32	2.54	3.05	6.02	8.96	12.42	13.35	11.33	11.76	10.60
8	3.85	4.25	3.23	2.66	3.17	6.20	9.07	12.57	13.29	11.35	11.78	10.58
9	4.12	4.01	3.20	2.79	3.26	6.28	9.17	12.69	13.22	11.35	11.74	10.57
10	3.75	3.63	3.24	2.87	3.33	6.43	----	12.75	13.18	11.28	11.65	10.54
11	2.37	3.53	3.27	2.90	3.41	6.57	----	12.84	13.14	11.25	11.57	10.53
12	2.74	3.49	3.27	2.79	3.48	6.73	----	12.90	13.12e	11.20	11.50	10.51
13	2.98	1.40	3.06	2.70	3.52	6.88	----	12.98	13.09e	11.14	11.43	10.50
14	1.98	1.60	2.91	2.89	3.56	6.94	----	13.08	13.08	11.11	11.38	10.49
15	2.45	1.94	2.87	2.98	3.61	7.08	9.86	13.17	13.08	11.10	11.33	10.49
16	2.11	2.33	2.71	3.05	3.68	7.21	9.99	13.25	13.08	11.10	11.29	10.49
17	2.57	2.55	2.36	3.10	3.76	7.33	10.07	13.33	13.10	11.12	11.25	10.51
18	2.79	2.67	2.37	3.15	3.84	7.39	10.16	13.41	13.13	11.14	11.24	10.52
19	3.02	2.76	2.56	3.20	3.91	7.40	10.23	13.45	13.17	11.17	----	10.54
20	3.30	2.87	2.69	3.26	4.00	7.41	10.27	13.51	13.13	11.19	----	10.55
21	3.50	2.95	2.54	3.30	4.07	7.48	10.30	13.58	12.90	11.22	----	10.56
22	3.70	2.89	2.44	3.36	4.13	7.60	10.40	13.65	12.64	11.25	----	10.58
23	3.92	2.52	2.49	3.39	4.20	7.72	----e	13.71	12.42	11.28	----	10.59
24	4.07	2.50	2.59	3.38	4.28	7.84	----e	13.78	12.20	11.32	----	10.60
25	3.93	2.56	2.68	3.22	4.39	7.92	----	13.84	12.02	11.35	10.90	10.61
26	1.52	2.75	2.78	2.95	4.68	8.01	----	13.90	11.86	11.39	10.88	10.62
27	2.35	2.91	2.79	2.87	4.79	8.16	----	13.95	11.73	11.42	10.86	10.64
28	2.63	3.01	1.62	2.97	4.88	8.27	----	14.00	11.61	11.46	10.83	10.66
29	2.77	----	2.27	3.02	4.91	8.34	11.17	14.05	11.51	11.49	10.82	10.69
30	2.95	----	2.50	3.09	5.00	8.47	11.32	14.09	11.44	11.52	10.80	10.72
31	3.10	----	2.65	----	5.10	----	11.46	14.13	----	11.56	----	10.74

(Daily 2 A.M. water level from recorder graph, 1951)

1	10.77	10.08	3.29	2.87	3.17	5.25	8.53	10.33	13.01	14.15	14.61	----
2	10.79	10.09	2.95	2.90	3.21	5.42	8.60	10.43	13.08	14.18	14.59	----
3	10.77	10.12	2.79	2.93	3.25	5.61	8.69	10.52	13.12	14.21	14.58	----
4	10.71	10.13	2.76	2.96	3.29	5.70	8.77	10.62	13.17	14.25	14.57	----
5	10.65	10.16	2.82	3.01	3.33	5.76	8.83	10.74	13.24	14.28	14.56	----
6	10.57	10.18	2.88	3.05	3.40	5.92	8.91	10.87	13.28	14.33e	14.53	----
7	10.50	10.19	2.94	3.05	3.45	6.04	9.02	10.91	13.32	14.35e	14.51	----
8	10.45	10.19	3.02	2.77	3.48	6.14	9.13	10.97	13.37	14.37e	14.49	11.37
9	10.42	10.20	3.15	2.44	3.51	6.26	9.23	11.01	13.42	14.39e	14.47	11.34
10	10.40	10.21	3.26	2.35	3.56	6.34	9.24	11.03	13.49	14.41	----	11.31

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 4--Cont.

(Daily 2 A.M. water level from recorder graph, 1951)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	10.38	10.23	3.34	2.35	e1.85	6.49	9.27	11.08	13.52	e14.43	----	11.28
12	10.37	10.23	3.40	2.16	2.09	6.68	9.31	11.13	13.57	e14.45	----	11.25
13	10.36	10.20	3.43	2.06	2.40	6.77	9.32	11.19	13.62	----	----	11.24
14	10.35	10.18	3.45	1.90	2.67	6.85	9.35	11.24	13.64	----	----	11.23
15	10.33	10.17	3.46	2.14	2.90	6.90	9.40	11.27	13.67	----	13.68	11.22
16	10.31	10.15	3.39	2.35	3.12	7.10	9.46	11.38	13.71	----	13.47	11.22
17	10.29	10.12	3.16	2.48	3.30	7.20	9.54	11.50	13.75	----	13.27	11.23
18	10.26	10.06	2.41	2.58	3.45	7.27	9.56	11.64	13.79	----	13.10	11.24
19	10.20	9.77	2.19	2.65	3.60	----	9.60	11.76	13.84	14.64	12.95	11.24
20	10.14	----	2.37	2.74	3.75	----	9.65	11.88	13.88	14.66	12.80	11.25
21	10.08	----	2.49	2.82	3.89	----	e9.71	11.99	13.93	14.67	12.68	11.25
22	10.05	----	2.57	2.86	4.06	----	e9.80	12.12	13.97	14.69	12.57	11.25
23	10.01	2.92	2.57	2.95	4.16	7.97	----	12.24	13.99	14.70	12.44	11.25
24	9.99	2.97	2.60	3.02	4.28	8.07	9.85	12.36	14.01	14.71	----	11.24
25	9.98	3.04	2.73	3.06	4.42	8.21	9.91	12.50	14.03	14.70	----	11.24
26	9.98	3.11	2.85	3.14	4.58	8.34	9.98	12.62	14.05	14.70	----	11.20
27	9.98	3.23	2.90	3.22	4.65	8.45	10.07	12.71	14.07	14.68	----	11.18
28	9.99	3.35	2.93	3.26	4.72	8.45	10.09	12.75	14.08	14.67	----	11.15
29	10.01	----	2.91	3.22	4.83	8.48	10.14	12.83	14.10	14.65	----	11.11
30	10.03	----	2.87	3.18	4.97	8.51	10.20	12.86	14.13	14.64	----	11.07
31	10.06	----	2.88	----	5.13	----	10.28	12.93	----	14.62	----	11.03

(Daily 2 A.M. water level from recorder graph, 1952)

1	10.98	10.21	9.82	4.50	3.22	6.33	10.09	----	----	14.06	14.41	----
2	10.96	10.20	9.84	4.53	3.32	6.46	10.20	13.25	----	14.09	14.41	----
3	10.92	10.19	9.86	4.54	----	6.63	10.31	13.34	----	14.12	14.41	----
4	10.90	10.14	9.87	4.57	----	6.76	10.34	13.42	----	14.14	14.41	----
5	----	9.82	9.89	----	----	6.92	10.44	13.48	----	14.17	14.41	----
6	----	9.66	9.91	----	----	7.10	10.55	13.54	13.98	14.21	14.40	----
7	----	9.58	9.93	----	----	7.33	10.67	13.60	13.98	14.24	14.40	----
8	----	9.50	9.94	----	----	7.52	10.81	13.66	13.99	14.26	14.39	----
9	----	9.47	9.95	----	----	7.69	10.82	13.72	14.00	14.28	14.38	----
10	----	9.45	9.96	----	4.49	----	10.89	13.77	14.03	14.30	14.38	----
11	h10.77	9.44	9.93	----	4.57	----	----	13.82	14.06	----	14.38	----
12	----	9.45	8.50	2.85	4.66	----	11.08	13.85	14.10	----	14.37	----
13	----	9.46	8.20	2.00	4.75	----	11.20	13.86	14.15	----	14.37	----
14	----	9.47	8.07	2.01	4.87	8.51	11.32	13.88	14.20	----	14.36	----
15	----	9.49	8.00	2.23	4.91	8.59	11.40	13.85	14.23	----	----	----
16	----	9.50	7.95	2.22	4.91	8.72	11.48	13.79	14.25	----	----	----
17	----	9.52	7.93	2.39	4.97	8.89	11.54	13.76	14.28	----	----	----
18	----	9.55	7.91	2.55	5.04	9.04	11.60	13.73	14.30	----	----	----
19	10.73	9.57	7.73	2.68	5.13	9.20	11.70	13.70	14.30	----	----	----
20	10.71	9.59	7.22	2.80	5.18	9.27	----	13.68	14.24	----	----	----

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 4--Cont.

(Daily 2 A.M. water level from recorder graph, 1952)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
21	10.72	9.61	6.91	2.87	5.21	9.35	----	13.67	14.20	----	----	----
22	10.71	9.64	6.67	2.96	5.32	9.37	11.96	13.65	14.15	----	14.25	----
23	10.71	9.67	5.53	3.05	5.46	9.34	12.08	13.65	14.12	----	14.23	----
24	10.72	9.69	4.98	3.13	5.49	9.41	12.16	13.65	14.08	----	14.21	----
25	10.72	9.71	4.71	2.91	5.66	9.49	----	13.67	14.05	14.41	14.19	----
26	10.71	9.74	4.59	2.68	5.70	9.58	----	13.70	14.03	14.41	----	----
27	10.40	9.76	4.53	2.77	5.81	9.68	----	13.74	14.03	14.41	----	----
28	10.26	9.77	4.50	2.87	5.93	9.75	----	13.79	14.02	14.40	----	----
29	10.22	9.79	4.48	2.98	6.02	9.87	----	13.84	14.03	14.40	----	----
30	10.21	----	4.50	3.11	6.10	9.98	----	----	14.04	14.41	----	----
31	10.21	----	4.51	----	6.20	----	----	----	----	14.40	----	----

(Daily 2 A.M. water level from recorder graph, 1953)

1	----	----	11.60	7.30	4.73	4.66	10.71	12.64	----	15.96	----	16.65
2	----	----	11.60	6.59	4.72	----	10.78	12.77	----	15.99	----	16.65
3	----	----	11.60	6.23	4.73	----	10.86	12.89	----	16.01	----	16.65
4	----	----	10.60	6.01	4.75	----	10.98	13.02	----	16.05	----	16.65
5	----	----	10.20	5.84	4.77	h5.79	11.11	13.13	14.99	16.08	----	16.65
6	----	----	10.07	5.71	4.77	6.05	11.11	13.18	15.03	16.11	----	16.65
7	----	----	10.03	5.60	4.76	6.15	11.08	13.28	15.07	16.14	16.62	16.64
8	----	----	10.01	5.54	4.75	6.33	11.10	13.39	15.10	16.17	16.63	16.64
9	----	----	10.00	5.47	4.76	6.55	11.12	13.43	15.15	16.19	16.63	16.64
10	----	----	10.00	5.40	4.77	6.79	----	13.51	15.18	16.22	16.64	16.64
11	----	----	----	5.33	4.79	6.96	----	13.58	15.22	16.24	16.64	16.64
12	----	----	----	5.24	4.83	7.18	----	13.68	15.26	16.27	16.64	16.64
13	----	----	----	5.12	4.87	----	----	13.76	15.30	16.29	16.65	16.64
14	----	11.64	10.05	5.11	4.93	----	11.39	13.81	15.35	16.31	16.65	16.64
15	----	11.64	10.05	5.05	4.96	----	11.49	13.93	15.39	16.34	16.65	16.63
16	----	11.64	9.91	4.98	5.00	----	11.61	14.00	15.43	16.36	16.66	16.63
17	----	11.65	9.79	4.95	5.00	8.19	11.74	14.04	15.46	16.38	16.66	16.63
18	----	11.65	9.70	4.90	5.03	8.31	11.74	14.09	15.50	16.40	16.66	16.63
19	----	11.66	8.68	4.86	5.05	8.53	11.82	14.15	15.55	16.41	16.66	16.63
20	----	11.66	8.41	4.80	5.05	----	11.94	14.20	15.58	16.43	16.66	16.63
21	----	11.65	8.29	4.74	5.10	----	----	14.25	15.62	16.45	16.66	16.63
22	----	11.65	8.25	4.70	5.17	----	----	14.30	15.65	16.47	16.66	16.62
23	----	11.64	8.20	4.67	----	----	----	14.35	15.68	16.49	16.66	16.62
24	----	11.63	7.83	4.68	----	----	----	14.40	15.72	16.50	16.66	16.62
25	----	11.62	7.64	4.66	----	----	12.05	14.46	15.75	16.52	16.66	16.62
26	----	11.61	7.57	4.67	----	----	12.10	14.51	15.79	16.53	16.66	16.62
27	----	11.60	7.52	4.70	----	10.36	12.16	14.56	15.82	16.54	----	16.62
28	----	11.60	7.49	4.72	----	10.46	12.25	14.62	15.86	16.56	16.65	16.62
29	----	----	7.48	4.73	h3.91	10.51	12.34	----	15.89	16.57	16.65	16.62
30	----	----	7.50	4.73	4.13	10.60	12.46	----	15.92	16.57	16.65	16.61
31	----	----	7.50	----	4.40	----	12.57	----	----	----	----	16.61

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 4--Cont.

(Daily 2 A.M. water level from recorder graph, 1954)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1	16.61	16.26	15.69	14.86	13.22	13.11	14.35	15.54	16.32	17.10	16.12	15.54
2	16.59	16.23	15.66	14.83	13.21	13.07	14.42	15.57	16.36	17.11	16.07	15.53
3	16.59	16.19	15.63	14.80	13.13	13.04	14.49	15.59	16.39	17.12	16.03	15.51
4	16.59	16.16	----	14.78	13.06	12.99	14.55	15.61	16.41	17.14	15.99	15.50
5	16.58	----	----	14.75	13.01	12.95	14.61	15.63	16.44	17.14	15.95	15.48
6	16.58	16.11	15.54	14.73	12.97	12.92	14.67	15.65	16.48	17.16	15.92	15.47
7	16.58	16.09	15.51	14.65	12.94	12.91	14.72	15.67	16.50	17.18	15.90	15.46
8	16.58	16.06	15.47	14.55	12.91	12.91	14.75	15.68	16.53	17.18	15.85	15.45
9	16.58	16.03	15.45	14.46	12.89	----	14.79	15.70	16.56	17.20	15.82	15.43
10	16.58	16.01	15.42	14.37	12.87	----	----	15.73	16.59	17.21	15.79	15.41
11	16.58	15.99	15.39	14.29	12.86	----	----	15.75	16.62	17.21	15.76	15.49
12	16.58	----	15.36	14.19	12.85	12.99	----	15.77	16.65	17.20	15.74	15.48
13	16.58	15.96	15.33	14.10	12.84	13.04	----	15.80	16.68	17.15	15.71	15.47
14	16.58	15.95	15.30	14.02	12.83	13.10	----	15.82	16.71	17.09	15.69	15.46
15	16.57	15.93	15.28	13.94	12.82	13.15	----	15.84	16.74	17.03	15.67	15.44
16	16.56	15.92	15.25	13.86	12.82	13.22	----	15.86	16.76	16.97	15.65	15.44
17	16.56	15.90	15.23	13.77	12.81	13.26	----	15.89	16.78	16.90	15.64	15.43
18	16.56	15.88	15.21	13.69	12.82	13.31	----	15.91	16.82	16.83	15.63	15.41
19	16.56	15.87	15.18	13.63	12.82	13.36	----	15.93	16.84	16.77	15.62	15.41
20	16.55	15.84	15.15	13.57	12.83	13.42	----	15.95	16.87	16.72	15.60	15.40
21	16.55	15.82	15.13	13.52	12.84	13.49	----	15.97	16.89	16.66	15.60	15.39
22	16.52	15.81	15.11	13.47	12.86	13.58	----	16.00	16.91	16.60	15.59	15.39
23	16.51	15.79	15.09	13.42	12.88	13.66	----	16.03	16.94	16.54	15.58	15.38
24	16.50	15.78	15.07	----	12.91	13.73	----	16.06	16.96	16.50	15.57	15.37
25	16.48	15.77	15.05	----	12.94	13.83	----	16.09	16.97	16.46	15.57	15.37
26	16.46	15.75	15.03	----	12.97	13.93	----	16.13	17.00	16.42	15.57	15.36
27	16.44	15.73	15.00	----	12.99	14.02	15.41	16.16	17.02	16.37	15.57	15.35
28	16.41	15.72	14.97	----	13.00	14.11	15.44	16.20	17.04	16:31	15.57	15.32
29	16.37	----	14.95	----	13.02	14.20	15.47	16.23	17.06	16.25	15.56	15.23
30	16.33	----	14.92	----	13.04	14.28	15.49	16.26	17.08	16.21	15.55	15.12
31	16.30	----	14.89	----	----	----	15.51	16.29	----	16.17	----	15.00

(Daily 2 A.M. water level from recorder graph, 1955)

1	14.90	13.46	13.09	12.66	12.24	----	12.31	13.25	14.50	15.22	----	11.73
2	14.79	13.46	13.04	12.64	12.23	----	12.35	13.28	14.54	15.16	----	11.72
3	14.70	13.47	12.99	12.63	12.23	----	12.40	13.33	14.67	15.11	----	11.71
4	14.58	13.49	12.93	12.63	12.22	12.58	12.45	13.36	14.71	15.07	----	11.70
5	14.45	13.51	12.89	12.62	12.22	----	12.50	13.41	14.74	15.02	----	11.61
6	14.30	13.51	12.86	12.62	12.22	----	12.54	13.46	14.78	14.91	----	11.52
7	14.18	13.51	12.83	12.62	12.22	12.47	12.57	13.50	14.81	14.77	----	11.45
8	14.06	13.51	12.81	12.63	12.23	12.46	12.60	13.55	14.85	14.58	----	11.41
9	13.97	13.50	12.79	12.63	12.24	12.42	----	13.60	14.88	14.35	----	11.39
10	13.88	13.49	12.78	12.64	12.25	12.37	----	13.65	14.93	14.18	12.31	11.37

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 4--Cont.

(Daily 2 A.M. water level from recorder graph, 1955)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
11	13.82	13.47	12.75	12.65	12.26	12.29	----	13.66	14.96	14.03	12.28	11.37
12	13.75	13.46	12.75	12.65	12.27	12.22	----	13.71	----	13.91	12.25	11.35
13	13.69	13.46	12.75	12.65	12.28	12.13	12.83	13.75	----	13.77	12.24	11.35
14	13.65	13.46	12.75	12.64	12.29	12.07	12.90	13.80	----	13.65	12.23	11.34
15	13.58	13.44	12.74	12.62	12.30	12.04	12.92	13.83	----	13.55	12.21	11.33
16	13.55	13.43	12.74	12.58	12.32	12.02	12.93	13.88	----	13.45	12.18	11.33
17	13.52	13.41	12.74	12.52	12.34	12.01	12.95	13.90	15.15	13.30	12.08	11.33
18	13.50	13.40	12.74	12.49	12.36	12.00	12.97	13.95	15.19	13.27	12.01	11.33
19	13.48	13.37	12.73	12.45	12.39	12.02	12.98	14.00	15.22	13.19	11.98	11.33
20	13.46	13.35	12.74	12.42	12.42	12.02	13.00	----	15.25	13.13	11.95	11.33
21	13.45	13.33	12.74	12.40	12.46	12.03	13.03	----	15.28	13.08	11.92	11.33
22	13.43	13.29	12.73	12.40	12.50	12.05	13.07	----	15.30	13.03	11.90	11.33
23	13.42	13.27	12.73	12.38	12.51	12.07	13.09	----	15.32	12.98	11.86	11.33
24	13.42	13.24	12.73	12.37	12.54	12.09	13.10	----	15.33	12.94	11.84	11.33
25	13.42	13.22	12.73	12.36	12.53	12.11	13.10	----	15.34	12.90	11.81	11.33
26	13.42	13.21	12.72	12.36	12.52	12.13	13.10	----	15.36	12.86	11.79	11.33
27	13.42	13.18	12.71	12.34	12.53	12.16	13.12	----	15.37	12.82	11.76	11.33
28	13.43	13.13	12.70	12.31	12.56	12.20	13.14	----	15.38	12.79	11.74	11.33
29	13.43	----	12.69	12.28	----	12.23	13.17	----	15.38	12.76	11.73	11.33
30	13.43	----	12.69	12.26	----	12.27	13.20	----	15.28	12.71	11.73	11.33
31	13.45	----	12.68	----	----	----	12.23	14.56	----	12.69	----	11.32

(Daily 2 A.M. water level from recorder graph, 1956)

1	11.32	12.26	3.85	4.29	4.23	----	5.12	6.34	8.19	9.20	9.95	----
2	11.31	12.25	3.71	4.34	4.10	1.78	5.19	6.38	8.22	9.23	9.94	----
3	11.31	12.25	3.71	3.73	3.93	1.92	5.26	6.43	8.25	9.26	9.97	----
4	11.30	12.24	3.80	3.28	3.94	2.07	5.30	6.49	8.29	9.28	9.99	----
5	11.29	12.23	3.81	3.52	3.89	2.26	5.28	6.53	8.33	9.31	10.00	----
6	----	12.22	3.81	3.59	3.95	2.46	5.31	6.58	8.36	9.34	10.02	----
7	----	12.20	3.83	3.64	4.06	2.64	5.35	6.63	8.40	9.36	10.03	----
8	----	12.19	3.46	3.38	4.20	2.80	5.38	6.68	8.46	9.39	10.05	----
9	----	12.14	3.38	3.52	4.29	2.95	5.40	----	8.48	9.42	10.06	----
10	----	12.07	3.45	3.57	4.37	3.14	5.44	----	8.52	9.45	10.08	----
11	----	11.99	3.51	3.63	4.48	3.34	5.49	----	8.55	9.48	10.09	----
12	----	11.89	3.67	3.78	4.58	3.50	5.52	----	8.58	9.51	10.10	----
13	----	11.82	3.78	3.83	4.69	3.65	5.54	----	8.61	9.53	10.12	----
14	----	11.73	3.83	3.90	4.80	3.79	----	----	8.65	9.55	10.13	10.58
15	----	11.74	3.76	3.94	4.96	3.92	----	7.56	8.70	9.58	10.15	----
16	----	11.51	3.60	4.03	5.05	4.05	----	7.61	8.72	9.60	10.16	----
17	----	11.30	3.49	4.17	5.14	4.16	----	7.64	8.75	9.62	10.18	----
18	12.29	10.60	3.39	4.26	5.24	4.27	----	7.67	8.79	9.64	10.19	----
19	12.29	9.88	3.40	4.38	5.33	4.38	----	7.70	8.82	9.67	10.21	----
20	12.28	9.42	3.51	4.47	5.46	4.45	----	7.75	e8.85	9.70	10.22	----

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 4--Cont.

(Daily 2 A.M. water level from recorder graph, 1956)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
21	12.28	9.09	3.61	4.55	5.55	4.52	5.82	7.79	8.89	9.72	10.23	----
22	12.28	8.81	3.69	4.60	5.63	4.60	5.86	7.83	8.91	9.74	10.25	----
23	12.28	8.56	3.78	4.70	5.73	4.58	5.92	7.86	8.96	9.76	10.27	----
24	12.28	8.34	3.84	4.80	5.84	4.65	5.95	7.91	8.99	9.78	10.30	----
25	12.28	7.58	3.88	4.96	5.94	4.72	6.00	7.95	9.02	9.80	10.31	----
26	12.28	5.28	3.86	4.95	6.03	4.79	6.04	7.99	9.05	9.82	10.33	----
27	12.28	4.60	3.92	5.00	6.05	4.85	6.10	8.00	----	9.84	10.35	----
28	12.28	4.22	2.97	5.03	----	4.92	6.15	----	----	9.86	10.36	----
29	12.28	4.00	4.04	5.04	----	4.99	6.21	----	9.15	9.88	10.38	----
30	12.26	----	4.12	4.51	----	5.07	6.25	8.13	9.17	9.90	10.39	----
31	12.26	----	4.21	----	----	----	6.30	8.16	----	9.91	----	----

(Daily 2 A.M. water level from recorder graph, 1957)

1	----	10.62	----	7.13	3.02	1.88	----	5.25	----	7.59	----	----
2	----	10.62	9.20	6.75	3.11	2.05	----	5.32	6.51	----	----	----
3	----	10.62	9.13	6.15	----	2.32	----	5.27	6.54	----	----	----
4	----	10.62	9.06	----	3.22	2.52	----	5.20	6.60	----	----	----
5	----	10.91	8.96	----	3.31	----	----	5.13	6.65	----	----	----
6	----	10.91	8.91	----	3.40	2.94	----	5.12	6.69	----	----	----
7	----	10.91	8.83	----	3.49	3.08	----	5.12	----	----	----	----
8	----	10.90	8.80	----	3.56	3.23	----	5.15	6.79	----	----	----
9	----	10.57	8.76	----	3.63	3.34	----	5.20	6.83	----	----	----
10	----	10.53	8.73	----	3.71	3.44	----	5.26	6.87	----	----	----
11	----	10.51	8.67	----	3.81	3.54	----	5.32	6.92	----	----	----
12	10.79	----	8.63	----	3.90	3.65	----	5.35	6.96	----	----	----
13	10.80	----	8.60	----	3.90	3.64	3.87	5.42	6.98	----	----	----
14	10.81	----	8.56	----	3.67	----	3.94	5.47	7.03	----	----	----
15	10.81	----	8.53	----	3.53	2.22	4.00	5.55	7.06	----	----	----
16	----	10.29	8.49	2.77	3.49	2.74	4.08	5.62	7.10	----	----	----
17	----	10.28	8.45	2.84	3.47	2.83	4.16	5.70	7.15	----	----	----
18	----	10.27	8.40	2.68	3.38	2.83	4.22	5.76	7.20	----	----	----
19	10.87	10.24	8.33	2.66	3.26	2.81	4.30	5.82	7.25	----	----	----
20	10.87	10.23	8.29	2.67	----	2.83	4.41	5.89	7.26	----	----	----
21	10.87	10.22	8.22	----	----	2.83	4.49	5.95	7.24	----	----	----
22	10.87	10.22	8.13	----	----	3.03	4.58	6.02	7.27	----	----	----
23	10.81	----	8.09	----	----	3.24	4.64	6.08	7.30	----	----	----
24	10.77	----	8.03	----	----	3.43	4.72	6.14	7.34	----	----	----
25	10.72	----	7.94	----	----	3.53	4.80	6.13	7.38	----	----	----
26	10.69	----	7.86	2.73	----	3.66	4.87	6.18	7.42	----	----	----
27	10.68	----	8.79	2.75	----	3.78	4.95	6.23	7.46	----	----	----
28	10.68	----	7.67	2.82	----	----	5.01	6.29	7.50	----	----	----
29	10.65	----	7.54	2.89	----	----	5.06	6.32	7.53	----	----	----
30	10.64	----	7.44	2.95	2.86	----	5.12	6.37	7.57	----	----	----
31	10.63	----	----	----	3.00	----	5.18	6.43	----	----	----	----

Montgomery 5. (19/4W-32L13). Indiana Gas and Water Co., Inc. Crawfordsville. Drilled unused artesian well in sand and gravel, diameter 6 inches, depth 44.7 feet. Land-surface datum is 685.6 feet above msl. Recording gage installed Sept. 16, 1958. Highest water level is 4.75 above lsd, Nov. 27, 1958; lowest, 6.6 below lsd, Sept. 8, 9, 1960. Records available 1958 to 1960.

(Daily highest water level from recorder graph, 1958)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 17	+3.80	Oct. 8	+4.10	Oct. 31	+4.10	Nov. 21	+4.05
18	+4.05	9	+3.70	Nov. 1	+4.10	22	+4.05
19	+4.10	10	+3.70	2	+4.05	23	+4.60
20	+4.25	11	+3.95	3	+4.55	24	+4.55
21	+3.95	13	+4.30	4	+4.05	25	+4.20
22	+4.45	15	+3.10	5	+3.80	26	+4.25
23	+4.40	16	+3.20	6	+3.75	27	+4.75
24	+3.80	17	+3.05	7	+3.85	28	+4.65
25	+3.90	18	+3.00	8	+3.65	29	+4.25
26	+3.75	19	+3.85	9	+3.95	Dec. 2	+4.15
27	+3.50	20	+4.35	10	+4.30	3	+4.20
28	+3.80	21	+3.65	11	+3.85	4	+4.05
29	+4.50	22	+3.60	12	+3.80	5	+4.30
30	+3.90	23	+3.85	13	+3.95	24	+4.00
Oct. 1	+3.80	24	+3.40	14	+3.85	25	+4.25
2	+4.05	25	+3.90	15	+3.80	26	+4.20
3	+3.70	26	+4.40	16	+4.55	27	+4.25
4	+4.05	27	+4.60	17	+4.55	28	+4.40
5	+4.40	28	+4.00	18	+4.20	29	+4.50
6	+4.50	29	+3.90	19	+4.20	30	+4.15
7	+4.20	30	+3.85	20	+4.10	31	+3.90

(Daily highest water level from recorder graph, 1959)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1	+3.95	----	----	+3.50	+3.15	+3.50	+0.85	+0.65	-0.60	-0.45	+0.55	+0.55
2	+4.35	----	----	+3.75	+3.50	3.15	+1.20	+1.50	-0.15	-0.35	+1.15	+0.20
3	+4.30	----	----	+3.90	+3.80	+2.85	+1.35	+1.70	-0.15	-0.20	+0.35	-0.20
4	----	----	----	+3.95	+3.00	+2.45	+1.45	+1.35	-0.50	+0.20	+0.25	-0.35
5	----	----	----	+4.05	+2.50	+2.50	+1.80	+1.00	-0.25	+0.60	-0.05	0.00
6	----	----	----	+4.40	+2.40	+2.50	+2.15	+0.95	+0.20	0.00	-0.10	+0.15
7	----	----	----	+3.90	+2.15	+2.15	+0.90	+0.50	+0.55	-0.20	-0.15	+0.65
8	----	----	----	+3.60	+2.60	----	+0.25	+0.65	+0.50	-0.40	+0.15	+0.20
9	----	----	----	+3.80	+3.05	+1.55	-0.10	+1.10	-0.65	-0.10	+0.75	-0.05
10	----	----	----	+3.95	+3.30	+1.65	-0.40	+1.60	-1.40	+0.10	+0.30	-0.35
11	----	----	----	+3.75	+3.90	+2.40	-0.30	+0.95	-0.60	+0.70	+0.25	-0.15
12	----	----	----	+4.15	+3.65	+2.45	+0.55	+0.10	-0.05	+1.10	+0.25	+0.35
13	----	----	+4.00	+4.35	+3.35	+2.70	+1.05	-0.05	+0.45	+0.60	+0.35	+0.40
14	----	----	+4.20	+3.65	+3.35	+3.20	+0.20	-0.15	+0.90	+0.65	+0.60	+1.00

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 5--Cont.

(Daily highest water level from recorder graph, 1959)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
15	3.85	----	+4.35	+3.50	+3.40	+3.50	-0.70	-0.70	+0.35	0.00	+0.85	+0.40
16	----h	+4.04	+4.60	+3.55	+3.65	+3.15	-1.30	0.00	+0.05	+0.15	+1.25	+0.35
17	----	----	+3.90	+3.40	+3.65	+2.75	-1.65	-0.05	+0.20	+0.10	+0.80	-0.15
18	----	----	+3.80	+3.70	+4.10	+2.50	-0.25	-0.25	+0.25	+0.35	+0.55	-0.30
19	----	----	+4.05	+4.15	+3.75	+2.65	+0.85	-0.55	+0.25	+0.95	-0.10	0.00
20	----	----	+4.05	+4.30	+2.95	+2.35	+1.40	-0.75	+0.65	+0.45	+0.20	+0.20
21	----	----	+4.05	+3.85	+3.25	+2.80	+1.40	-1.05	+1.10	+0.35	+0.45	+0.75
22	----	----	+4.10	+3.75	+3.00	+2.85	+1.15	-0.60	-0.05	+0.20	+0.50	+0.50
23	----	----	+4.40	+4.60	+2.85	+2.15	+1.15	0.00	-1.15	+0.05	+0.85	+0.30
24	----	----	+4.00	+3.50	+3.40	+1.50	+1.40	+0.20	-1.65	+0.30	+0.25	-0.15
25	----	----	+3.75	+3.55	+3.85	+1.75	+1.15	-0.95	-1.95	+0.65	+0.25	+0.55
26	----	----	+3.50	+4.20	+3.05	+1.85	+1.85	-1.80	-1.50	+1.00	+0.50	+1.35
27	----	----	+3.60	+4.00	+3.10	+1.45	+2.40	-2.15	-0.25	+0.60	+1.10	+1.15
28	----	----	+3.70	+3.75	+2.85	+1.60	+1.75	-1.95	+0.30	-0.50	+0.95	+1.25
29	----	----	+3.95	+3.70	+2.45	+1.75	+1.50	-2.20	----	0.30	+0.75	+0.50
30	----	----	+4.50	+3.25	+2.75	+1.30	+0.85	-0.95	----	0.35	+1.15	+0.20
31	----	----	+4.10	----	+3.50	----	+0.75	+0.20	----	0.00	----	-0.20

(Daily highest water level from recorder graph, 1960)

1	+0.25	+2.55	+1.75	+0.50	+2.1	+0.1	0.6	+0.2	-3.9	-1.2	-0.9	-1.0
2	+1.05	+1.60	+2.05	+1.00	+2.2	0.0	0.3	-2.7	4.4	0.4	1.6	1.0
3	+0.75	+1.25	+1.00	+0.95	+0.8	+0.5	+1.1	3.7	4.0	+0.3	1.4	0.5
4	+0.85	+1.15	+1.00	+1.90	+1.0	+0.4	+1.3	2.1	2.4	-0.9	1.3	0.0
5	+0.10	+1.70	+1.65	+0.05	+0.9	+1.5	+1.5	2.1	1.0	1.9	1.1	+0.7
6	+0.05	+1.95	+1.40	-1.35	+0.8	+1.5	+0.4	2.8	1.7	2.2	0.2	-0.3
7	-0.60	+1.25	+2.45	0.25	+1.5	+0.5	+0.4	0.7	4.8	2.7	+0.7	0.1
8	0.70	+1.85	+1.65	0.80	+2.0	+0.5	+0.5	+0.3	4.8	2.9	-0.3	0.5
9	1.05	+2.20	+1.50	0.45	+2.4	0.7	+0.4	2.8	5.1	0.8	0.8	0.2
10	0.50	+2.05	+1.25	+0.75	+0.2	0.3	+1.4	2.2	3.0	+0.2	0.2	+0.2
11	+0.15	+1.80	+1.10	+1.85	+0.5	----	+1.2	1.6	1.1	-2.3	0.0	+0.5
12	0.30	+1.80	+0.80	+0.50	-0.1	----	-0.3	2.2	+0.1	2.5	0.0	+0.6
13	+0.80	+2.10	+1.05	-1.45	+0.3	----	0.2	1.8	-1.3	2.0	+0.8	-0.5
14	+0.55	+2.15	+1.90	-0.8	+0.5	----	+0.3	0.4	1.7	2.4	+0.9	0.1
15	+1.30	+2.50	+1.45	1.4	+1.5	----	+0.4	+0.6	1.1	2.5	-0.3	0.7
16	+2.20	+2.15	+1.45	0.6	+1.7	----	+0.7	2.0	1.3	0.7	0.3	0.3
17	+1.50	+2.00	+0.80	+1.5	+0.9	+0.4	+1.3	2.3	2.5	0.2	0.6	0.0
18	+2.55	+2.00	+1.40	+1.7	+0.8	+0.9	----	2.7	0.6	3.1	0.1	+0.2
19	+1.75	+2.10	+1.15	+1.7	+0.6	+1.1	----	3.7	+0.3	1.9	+0.1	+0.4
20	+2.05	+1.64	+1.00	+2.2	+0.5	+1.4	----	1.6	-1.5	1.3	+0.7	-0.3
21	+1.85	+2.35	+2.05	+2.6	+0.6	-0.8	-0.8	0.5	1.6	1.6	+1.0	0.2
22	+2.20	+2.60	+1.05	-0.7	+1.5	0.5	1.0	+0.3	1.2	1.1	-0.1	0.3
23	+2.20	+1.95	+1.20	+1.3	+2.1	0.9	2.1	-2.7	1.9	0.8	0.1	----

Montgomery 5--Cont.

(Daily highest water level from recorder graph, 1960)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
24	+1.50	+2.05	+0.75	+1.7	+0.7	+0.1	1.4	2.4	2.0	+0.3	+0.1	----
25	2.75	+1.85	+0.85	+2.3	-0.1	+0.5	0.4	2.3	0.5	-1.4	+0.6	----
26	+1.50	+1.85	+1.35	-0.4	+0.4	+0.5	2.9	3.2	+0.2	2.2	+0.5	----
27	+2.05	+2.25	+1.15	0.4	+0.4	+1.7	1.9	3.0	-1.6	2.0	+0.4	----
28	+1.60	+2.05	+2.30	+0.8	+1.0	+0.1	1.9	1.2	1.8	1.9	+0.9	----
29	+1.75	+2.80	+0.85	+0.9	+1.6	0.0	2.2	1.0	1.5	2.0	-0.5	-0.7
30	+2.00	----	+0.55	+1.5	+2.2	-0.7	1.6	3.1	1.8	0.6	0.3	0.4
31	+0.95	----	+0.50	----	+2.0	----	1.1	2.9	----	+0.1	----	+0.1

Montgomery 6. (17/3W-18K2). Town of Ladoga. Ladoga. Drilled unused artesian well in siltstone, diameter 12 inches, dpeth 180 feet. Land-surface datum is about 820 feet above msl. Recording gage installed Dec. 1, 1959. Highest water level is 25.79 below lsd, June 23, 24, 1960; lowest, 29.58 below lsd, Nov. 7, 1960. Records available 1959 to 1960.

(Daily highest water level from recorder graph, 1959)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 1	h28.53	Dec. 26	28.12	Dec. 28	27.98	Dec. 30	27.98
24	28.13	27	28.00	29	27.98	31	28.00
25	28.13						

(Daily highest water level from recorder graph, 1960)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1	27.92	----	27.37	26.42	26.70	26.67	26.22	27.02	28.00	28.87	29.39	29.44
2	27.86	----	27.19	26.44	26.68	26.65	26.28	27.06	28.05	28.87	29.43	29.40
3	27.88	----	27.17	26.48	26.69	26.73	26.29	26.92	28.10	28.97	29.52	29.41
4	27.87	----	27.41	----	26.70	26.79	26.44	26.90	28.13	28.98	29.47	29.43
5	27.85	----	27.47	----	26.71	26.85	26.53	26.96	28.15	28.96	29.45	29.43
6	27.83	----	----	----	26.63	26.94	26.63	27.03	28.22	29.01	29.43	29.30
7	27.82	----	----	----	26.62	26.99	26.69	27.06	28.26	29.06	29.53	29.23
8	27.90	----	27.10	----	26.61	27.04	26.73	27.13	28.29	29.07	29.50	29.23
9	27.89	----	27.06	----	26.62	27.10	26.78	27.19	28.33	29.10	29.49	29.22
10	27.91	----	27.16	----	----	27.14	26.77	27.23	28.37	29.15	29.51	29.23
11	27.90	----	27.20	----	----	27.17	26.80	27.32	28.38	29.15	29.47	29.19
12	27.74	----	27.28	----	26.68	27.19	26.87	27.35	28.40	29.18	29.49	29.27
13	27.69	----	27.31	----	26.67	27.20	25.85	27.37	28.44	29.19	29.52	29.21
14	27.41	----	27.30	26.79	26.68	27.20	25.84	27.42	28.50	29.21	29.51	29.20
15	27.41	----	27.15	26.80	26.75	----	25.87	27.47	28.53	29.24	29.40	29.21

Table 9.--Water levels in observation wells in Montgomery County--Cont.

Montgomery 6--Cont.

(Daily highest water level from recorder graph, 1960)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
16	27.35	----	27.09	26.73	26.72	27.28	25.90	27.51	28.57	29.25	29.41	29.27
17	27.30	26.68	27.20	26.72	26.72	27.33	25.94	27.53	28.59	29.25	29.35	29.30
18	27.30	26.75	27.18	26.90	26.84	27.43	26.00	27.56	28.62	27.28	29.35	29.33
19	27.31	26.84	27.15	26.83	26.81	27.42	26.10	27.59	28.60	29.28	29.45	29.33
20	27.33	26.91	27.10	26.76	26.81	27.46	26.22	27.61	28.63	29.30	29.44	29.29
21	27.34	26.79	26.87	26.78	26.81	27.29	26.32	27.66	28.63	29.31	29.45	----
22	----	26.93	26.87	26.91	26.81	27.15	26.35	27.70	28.65	29.27	29.46	----
23	----	27.00	26.85	26.93	26.84	25.79	26.42	27.76	28.68	29.29	29.52	----
24	----	27.02	26.84	26.93	26.85	25.79	26.47	27.82	28.70	29.38	29.47	----
25	----	26.89	26.83	26.96	26.89	25.93	26.55	27.86	28.75	29.38	29.48	----
26	----	27.10	26.83	27.04	26.78	26.01	26.58	27.89	28.78	29.34	29.51	----
27	----	27.24	26.60	27.09	26.76	26.06	26.65	27.93	28.79	29.37	29.52	----
28	----	27.21	26.46	27.01	26.78	26.07	26.71	27.96	28.79	29.39	29.42	----
29	----	27.25	26.32	26.96	26.79	26.12	26.77	28.01	28.82	29.39	29.40	29.37
30	----	----	26.30	26.81	26.73	26.21	26.79	27.97	28.85	29.35	29.40	29.38
31	----	----	26.44	----	26.70	----	26.96	27.97	----	29.33	----	29.37

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Report

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2 A preliminary report of the ground-water levels of the State based on records of twenty-six observation wells for which long time records are available. Indiana Department of Conservation, Division of Water Resources. 1946 (Out of print).

3 Ground-water resources of St. Joseph County, Indiana. Part 1, South Bend area. F. H. Klaer, Jr., and R. W. Stallman. Indiana Department of Conservation, Division of Water Resources. 1948.

4 Ground-water resources of Boone County, Indiana. E. A. Brown. Indiana Department of Conservation, Division of Water Resources. 1949.

5 Ground-water resources of Noble County, Indiana. R. W. Stallman and F. H. Klaer, Jr. Indiana Department of Conservation, Division of Water Resources. 1950.

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8 Ground-water resources of Tippecanoe County, Indiana. Appendix, Basic Data. J. S. Rosenshein and O. J. Cosner. Indiana Department of Conservation, Division of Water Resources. 1956.

8 Ground-water resources of Tippecanoe County, Indiana. J. S. Rosenshein. Indiana Department of Conservation, Division of Water Resources. 1958 (1959).

9 Ground-water resources of Adams County, Indiana. F. A. Watkins, Jr., and P. E. Ward. Indiana Department of Conservation, Division of Water Resources. 1962.

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12 Ground-water resources of northwestern Indiana. Preliminary Report: Porter County. J. S. Rosenshein. Indiana Department of Conservation, Division of Water Resources. 1962.

13 Ground-water resources of northwestern Indiana. Preliminary Report: La Porte County. J. S. Rosenshein and J. D. Hunn. Indiana Department of Conservation, Division of Water Resources. 1962.

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15 Ground-water resources of northwestern Indiana. Preliminary Report: St. Joseph County. J. S. Rosenshein and J. D. Hunn. Indiana Department of Conservation, Division of Water Resources. 1962.

16 Ground-water resources of west-central Indiana. Preliminary Report: Clay County. F. A. Watkins, Jr., and D. G. Jordan. Indiana Department of Conservation, Division of Water Resources. 1962.

17 Ground-water resources of west-central Indiana. Preliminary Report: Vigo County. F. A. Watkins, Jr., and D. G. Jordan. Indiana Department of Conservation, Division of Water Resources. 1963.

18 Ground-water resources of west-central Indiana. Preliminary Report: Owen County. F. A. Watkins, Jr., and D. G. Jordan. Indiana Department of Conservation, Division of Water Resources. 1963.

19 Ground-water resources of northwestern Indiana. Preliminary Report: Marshall County. J. S. Rosenshein and J. D. Hunn. Indiana Department of Conservation, Division of Water Resources. 1964.

20 Ground-water resources of northwestern Indiana. Preliminary Report: Fulton County. J. S. Rosenshein and J. D. Hunn. Indiana Department of Conservation, Division of Water Resources. 1964.

21 Ground-water resources of west-central Indiana. Preliminary Report: Putnam County. F. A. Watkins, Jr., and D. G. Jordan. Indiana Department of Conservation, Division of Water Resources. 1964.

22 Ground-water resources of northwestern Indiana. Preliminary Report: Starke County. J. S. Rosenshein and J. D. Hunn. Indiana Department of Conservation, Division of Water Resources. 1964.

23 Ground-water resources of west-central Indiana. Preliminary Report: Parke County. F. A. Watkins, Jr., and D. G. Jordan. Indiana Department of Conservation, Division of Water Resources. 1964.

24 Ground-water resources of northwestern Indiana. Preliminary Report: Pulaski County. J. S. Rosenshein and J. D. Hunn. Indiana Department of Conservation, Division of Water Resources. 1964.

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25 Ground-water resources of northwestern Indiana. Preliminary Report: Jasper County. J. S. Rosenshein and J. D. Hunn. Indiana Department of Conservation, Division of Water Resources. 1964.

26 Ground-water resources of northwestern Indiana. Preliminary Report: Newton County. J. S. Rosenshein and J. D. Hunn. Indiana Department of Conservation, Division of Water Resources. 1964.

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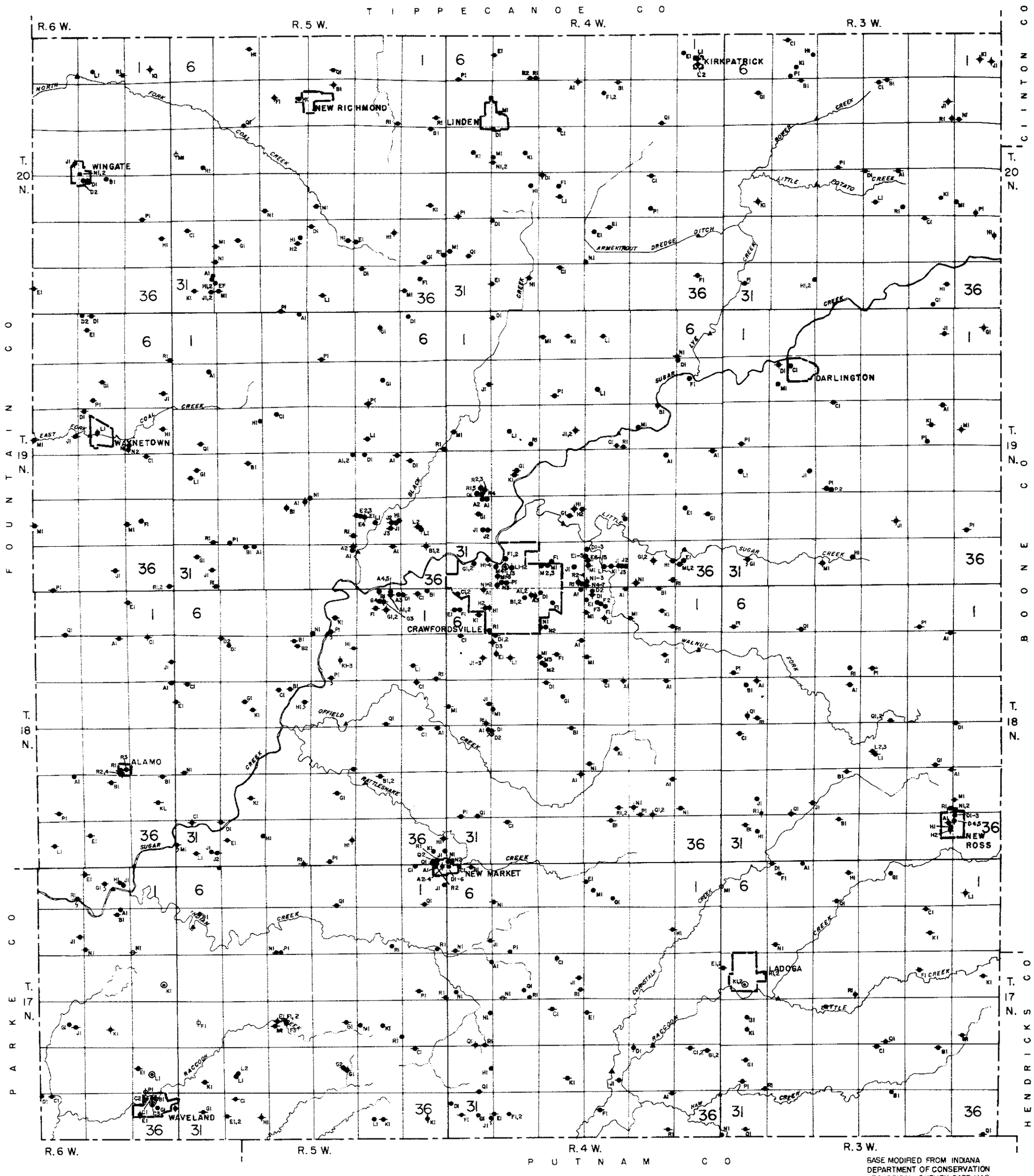
INDEX

STATE OF INDIANA
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

PREPARED BY
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



EXPLANATION

- BI — Water well
- C3 — Observation well
- RI — Spring
- FI — Oil well, test hole, or hole drilled for purposes other than water supply.
- PI — Well for which log is listed in table 5.
- CI — Well or spring for which field chemical analysis is listed in table 6 or 7.
- ▲ — Stream-water sampling site-field chemical analysis of water in table 8.

BASE MODIFIED FROM INDIANA DEPARTMENT OF CONSERVATION GEOLOGICAL SURVEY, BASE MAP OF MONTGOMERY COUNTY, NO.54 SEPTEMBER 25, 1953

MAP OF MONTGOMERY COUNTY, INDIANA, SHOWING LOCATIONS OF WELLS AND SPRINGS

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

DIAGRAM OF TOWNSHIP

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

SECTION LETTER SYMBOLS IN WELL NUMBERING SYSTEM

0 1 2 3 4 5 6 MILES

0 5000 10000 15000 20000 FEET

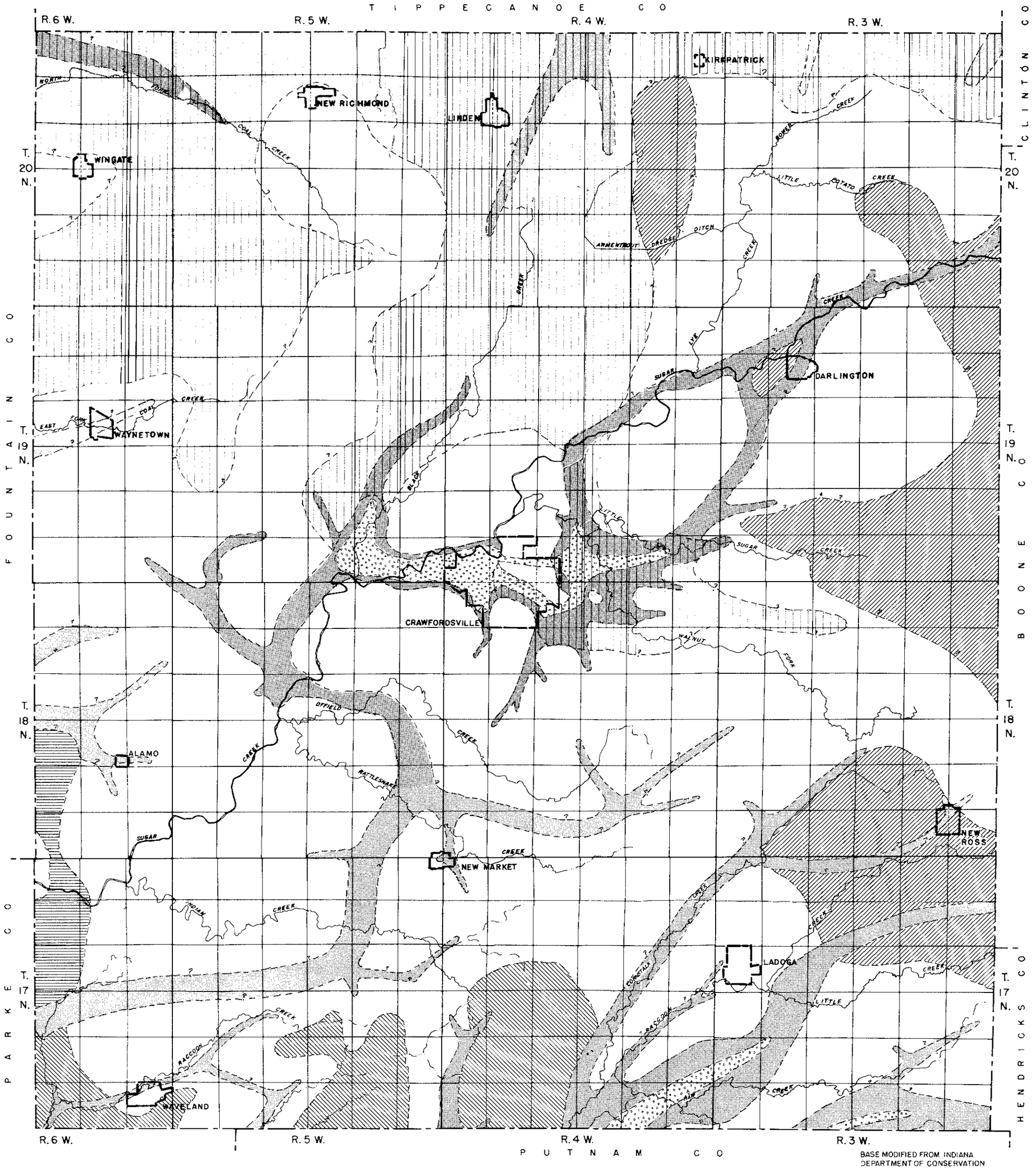
BY E.A. WATKINS, JR. AND D.G. JORDAN

1962

STATE OF INDIANA
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

PREPARED BY
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 27 PLATE 2



EXPLANATION

Production from sand and gravel

Water from sand and gravel of Pleistocene age interbedded with till as relatively thin but extensive sheet-like deposits. Well depths range from 15 to 100 feet. Yields adequate for domestic and stock supplies and often adequate for small municipal and industrial supplies. Some wells cased through the unconsolidated materials and tap underlying bedrock.

Water from sand and gravel of Pleistocene age deposited as lenses or stringers interbedded with or overlain by till or overlain by Recent alluvium. Deposits are associated with preglacial bedrock channels. Well depths range from 30 to 190 feet. Yields more than adequate for domestic and stock use and often adequate for small municipal and industrial supplies. Some wells cased through the unconsolidated materials and tap underlying bedrock.

Water from sand and gravel of Pleistocene age overlain by Recent alluvium or by till. Well depths range from 50 to 150 feet. Yields more than adequate for domestic and stock use. Area of municipal and industrial pumpage. Large yields may be possible in area outlined in southeast part of county.

Production from bedrock

Water predominately from sandstone of Pennsylvanian age. Well depths range from 80 to 110 feet. Yields generally adequate for domestic and stock use.

Water from limestones of the Meramec series of Mississippian age. Well depths range from 30 to 125 feet. Yields generally adequate for domestic and stock use.

Water from limestones of Osage series of Mississippian age. Well depths range from 40 to 185 feet. Yields generally adequate for domestic and stock use and locally for small municipal and industrial use.

Water from siltstones and shales of Osage series of Mississippian age. Well depths range from 30 to 300 feet. Yields erratic, range from inadequate for domestic and stock use to adequate for small municipal and industrial use.

Boundary approximate

Boundary uncertain

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

DIAGRAM OF TOWNSHIP

MAP OF MONTGOMERY COUNTY, INDIANA, SHOWING

AVAILABILITY OF GROUND WATER

0 1 2 3 4 5 6 MILES

0 5000 10000 15000 20000 FEET

BY F.A. WATKINS, JR. AND D.G. JORDAN

1962

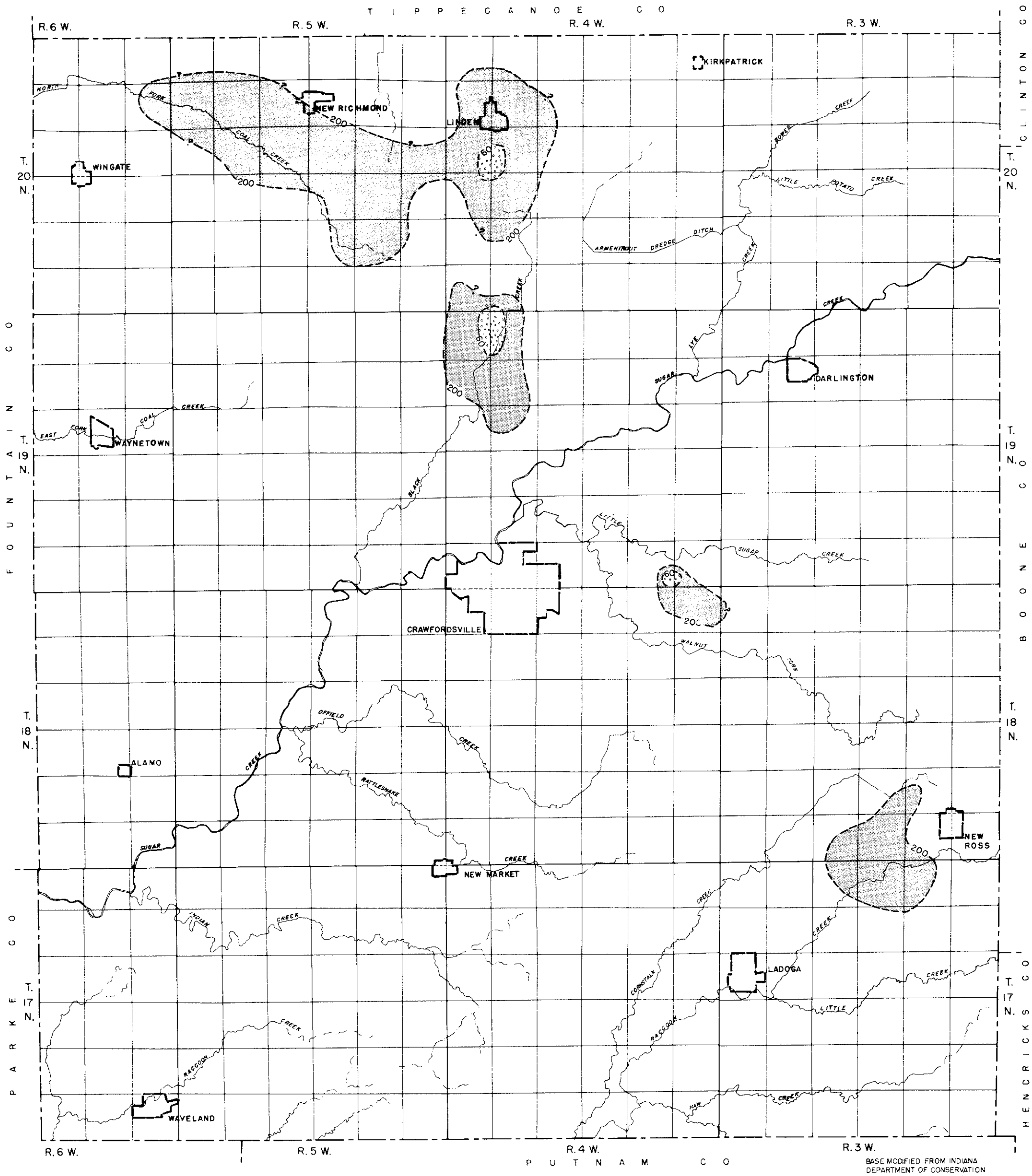
BASE MODIFIED FROM INDIANA DEPARTMENT OF CONSERVATION GEOLOGICAL SURVEY, BASE MAP OF MONTGOMERY COUNTY, NO.54 SEPTEMBER 25, 1953

STATE OF INDIANA
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

PREPARED BY
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 27 PLATE 3

MAP OF MONTGOMERY COUNTY, INDIANA, SHOWING HARDNESS OF GROUND WATER



6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

DIAGRAM OF TOWNSHIP

EXPLANATION

Hardness 0 to 60 ppm

Hardness 61 to 200 ppm

Hardness more than 200 ppm

Boundary approximate

Boundary uncertain

0 1 2 3 4 5 6 MILES

0 5000 10000 15000 20000 FEET

BASE MODIFIED FROM INDIANA DEPARTMENT OF CONSERVATION GEOLOGICAL SURVEY, BASE MAP OF MONTGOMERY COUNTY, NO. 54 SEPTEMBER 25, 1953

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1962