

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

Well 10/9W- 8M1

Type of record: Driller's log. Altitude: About 540 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	12	12	
Sand-----	5	17	
Pennsylvanian system:			
Middle series:			
Limestone-----	13	30	
Shale, sandy-----	22	52	
Sandstone-----	11	63	W.B.
Shale-----	1	64	

Well 10/9W- 9P1

Type of record: Driller's log. Altitude: About 540 feet.

Quaternary system:			
Recent and Pleistocene (?) series:			
Old hole-----	28	28	
Hardpan and soft shale-----	7	35	Hardpan and clay (?)
Pennsylvanian system:			
Middle series:			
Limestone, hard-----	5	40	
Shale, gray-----	2	42	
Red rock, cavy-----	6	48	
Limestone, broken-----	5	53	
Shale, sandy-----	22	75	
Limestone-----	3	78	
Sandstone-----	20	98	W.B.
Shale, dark-----	22	120	
Coal-----	2	122	
Fire clay-----	5	127	
Sandstone-----	16	143	W.B.
Limestone-----	4	147	

Well 10/9W- 9Q1

Type of record: Driller's log. Altitude: About 545 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	20	20	
Hardpan-----	4	24	
Mud, gray-----	4	28	
Pennsylvanian system:			
Middle series:			
Limestone, hard-----	5	33	
Red rock-----	8	41	
Shale, sandy-----	10	51	
Shale, dark-----	6	57	
Sandstone, white-----	39	96	W.B.

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

Well 10/9W- 9Q1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	17	113	
Coal-----	3	116	
Fire clay-----	7	123	
Sandstone, white-----	13	136	W.B.
Limestone, hard-----	1	137	

Well 10/9W-10C1

Type of record: Driller's log.		Altitude: About 565 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	16	16	
Hardpan-----	6	22	
Pennsylvanian system:			
Middle series:			
Sandstone-----	28	50	W.B.
Shale, dark-----	10	60	

Well 10/9W-10E1

Type of record: Driller's log.		Altitude: About 565 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	18	18	
Hardpan-----	10	28	
Pennsylvanian system:			
Middle series:			
Limestone-----	2	30	
Shale, dark-----	2	32	
Sandstone-----	37	69	W.B.
Shale-----	1	70	

Well 10/9W-11C1

Type of record: Driller's log.		Altitude: About 610 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Clay and hardpan-----	28	28	
Pennsylvanian system:			
Middle series:			
Sandstone-----	17	45	W.B.
Shale, dark-----	22	67	
Coal-----	3	70	
Fire clay-----	4	74	
Shale, gray-----	5	79	
Sandstone-----	7	86	W.B.
Shale, sandy-----	6	92	

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

Well 10/9W-11E1

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay and sand-----	19	19	
Pennsylvanian system:			
Middle series:			
Sandstone-----	24	43	W.B.
Shale, dark-----	22	65	
Coal-----	2	67	
Fire clay-----	6	73	
Limestone, sandy-----	7	80	W.B.
Sandstone-----	15	95	

Well 10/9W-11E2

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay and soil-----	6	6	
Hardpan-----	10	16	
Pennsylvanian system:			
Middle series:			
Sandstone-----	34	50	W.B.
Shale, dark-----	17	67	
Coal-----	2	69	
Fire clay-----	1	70	
Shale, gray-----	10	80	

Well 10/9W-11K1

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Old well-----	19	19	
Hardpan-----	6	25	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	6	31	
Sandstone, white-----	31	62	W.B.
Slate, gray-----	6	68	
Coal-----	1	69	
Fire clay-----	3	72	
Shale, gray-----	4	76	
Limestone, broken-----	9	85	

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

Well 10/9W-11M1			
Type of record: Driller's log.		Altitude: About 585 feet.	
Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, red-----	20	20	
Pennsylvanian system:			
Middle series:			
Sandstone, white-----	38	58	W.B.
Shale, blue-----	21	79	
Coal-----	2	81	W.B.
Fire clay-----	3	84	
Sandstone-----	16	100	W.B.

Well 10/9W-13E1			
Type of record: Driller's log.		Altitude: About 600 feet.	
Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface and clay-----	14	14	
Hardpan-----	6	20	
Pennsylvanian system:			
Middle series:			
Sandstone-----	45	65	W.B.
Shale, dark-----	7	72	
Shale, sandy-----	8	80	W.B.

Well 10/9W-13K1			
Type of record: Driller's log.		Altitude: About 610 feet.	
Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	25	25	
Pennsylvanian system:			
Middle series:			
Shale-----	10	35	
Sandstone-----	30	65	W.B.
Shale-----	15	80	
Coal-----	3	83	
Shale-----	7	90	
Limestone-----	40	130	
Shale-----	--	130	

Well 10/9W-13M1			
Type of record: Driller's log.		Altitude: About 600 feet.	
Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	18	18	
Hardpan-----	12	30	
Pennsylvanian system:			
Middle series:			
Sandstone-----	35	65	W.B.

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

Well 10/9W-14E3

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	16	16	
Hardpan-----	4	20	
Pennsylvanian system:			
Middle series:			
Sandstone-----	47	67	W.B.
Shale, dark-----	8	75	

Well 10/9W-14G1

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

Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow, and hardpan-----	20	20	
Pennsylvanian system:			
Middle series:			
Sandstone, dark-----	4	24	
Sandstone, light-----	46	70	W.B.
Shale, dark-----	2	72	

Well 10/9W-14H1

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

Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	22	22	
Pennsylvanian system:			
Middle series:			
Sandstone, brown-----	8	30	
Sandstone, white-----	26	56	W.B.
Sandstone, dark-----	11	67	
Shale, dark-----	11	78	

Well 10/9W-14J2

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

Quaternary system:			
Recent and Pleistocene series:			
Hardpan-----	19	19	
Pennsylvanian system:			
Middle series:			
Sandstone-----	5	24	
Shale, sandy-----	6	30	
Sandstone-----	35	65	W.B.
Shale, dark-----	10	75	

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

Well 10/9W-14L5

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

Material	Thick ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	16	16	
Hardpan-----	4	20	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	12	32	
Sandstone-----	38	70	W.B.
Shale, dark-----	5	75	
Coal-----	3	78	
Fire clay-----	4	82	
Shale, sandy-----	3	85	W.B.
Limestone, hard-----	5	90	
Shale, sandy-----	7	97	

Well 10/9W-14M1

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

Recent and Pleistocene series:			
Surface and clay-----	12	12	
Hardpan-----	5	17	
Pennsylvanian system:			
Middle series:			
Slate, gray-----	13	30	
Shale, sandy-----	12	42	
Sandstone, white-----	14	56	W.B.
Slate, dark-----	14	70	
Coal-----	3	73	
Fire clay-----	4	77	
Shale, gray-----	10	87	
Sandstone-----	6	93	W.B.
Shale, gray-----	2	95	

Well 10/9W-14M5

Type of record: Driller's log. Altitude: About 585 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay and hardpan-----	18	18	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	3	21	
Shale, sandy-----	7	28	
Sandstone-----	40	68	W.B.
Shale, dark-----	7	75	
Coal-----	3	78	
Fire clay-----	3	81	

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

Well 10/9W-14M8

Type of record: Driller's log. Altitude: About 585 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	17	17	
Hardpan-----	9	26	
Pennsylvanian system:			
Middle series:			
Red rock and shale-----	9	35	
Shale, sandy-----	23	58	
Sandstone-----	34	92	W.B.
Shale, dark-----	15	107	
Coal-----	3	110	
Fire clay-----	5	115	

Well 10/9W-14N1

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	18	18	
Mud, gray-----	5	23	
Pennsylvanian system:			
Middle series:			
Fire clay-----	7	30	
Shale, light-----	5	35	
Sandstone, dark-----	10	45	W.B.
Sandstone, light-----	28	73	W.B.
Shale, dark-----	5	78	
Shale, sandy-----	2	80	

Well 10/9W-14Q2

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay and hardpan-----	15	15	
Pennsylvanian system:			
Middle series:			
Limestone, hard-----	3	18	
Shale, gray-----	3	21	
Red rock-----	4	25	
Shale, sandy-----	49	74	
Slate, dark-----	16	90	
Coal and shale-----	4	94	
Fire clay-----	6	100	
Limestone-----	2	102	
Sandstone-----	20	122	W.B.
Shale, sandy-----	8	130	

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

Well 10/9W-15F1

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay and hardpan-----	20	20	
Pennsylvanian system:			
Middle series:			
Shale, soft-----	3	23	
Shale, sandy-----	12	35	
Shale, gray-----	25	60	
Sandstone-----	25	85	W.B.
Shale, dark-----	6	91	
Coal-----	2	93	
Shale, gray-----	12	105	

Well 10/9W-15J1

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

Quaternary system:			
Recent and Pleistocene series:			
Open hole-----	18	18	
Hardpan-----	4	22	
Pennsylvanian system:			
Middle series:			
Shale, soft-----	4	26	
Shale, sandy-----	16	42	
Sandstone-----	36	78	W.B.
Shale, dark-----	8	86	

Well 10/9W-15J4

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

Quaternary system:			
Recent and Pleistocene series:			
Clay and hardpan-----	15	15	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	20	35	
Sandstone-----	13	48	W.B.
Shale, sandy-----	7	55	
Sandstone-----	12	67	W.B.
Slate, black, and coal-----	5	72	
Fire clay-----	3	75	

Well 10/9W-15K1

Type of record: Driller's log. Altitude: About 565 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay, red-----	16	16	
Hardpan-----	14	30	

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

Well 10/9W-17J1

Type of record: Driller's log.

Altitude: About 540 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	20	20	
Sand, soft-----	8	28	
Muck, blue-----	14	42	
Pennsylvanian system:			
Middle series:			
Limestone, hard-----	7	49	
Red rock, cavy-----	8	57	
Shale, sandy-----	3	60	
Sandstone-----	14	74	W.B.
Coal-----	2	76	
Shale, sandy-----	4	80	
Sandstone-----	10	90	W.B.
Shale, sandy-----	5	95	
Sandstone-----	25	120	W.B.
Coal-----	6	126	
Fire clay-----	1	127	
Sandstone, white-----	19	146	W.B.
Limestone-----	2	148	
Limestone, sandy-----	2	150	

Well 10/9W-17N1

Type of record: Driller's log.

Altitude: About 540 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	16	16	
Hardpan-----	3	19	
Gravel-----	12	31	
Pennsylvanian system:			
Middle series:			
Shale, dark-----	17	48	
Coal-----	1	49	
Fire clay-----	5	54	
Shale, light-----	6	60	
Limestone, hard-----	5	65	
Shale, soft-----	4	69	
Red rock-----	14	83	
Shale, sandy-----	9	92	
Sandstone, dark-----	22	114	W.B.
Sandstone, white-----	29	143	
Shale, dark-----	5	148	

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

Well 10/9W-18P1

Type of record: Driller's log. Altitude: About 540 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Soil and yellow clay-----	17	17	
Sand and some gravel-----	2	19	W.B.
Hardpan, solid, yellow-----	6	25	
Hardpan, gray-----	10	35	W.B.
Hardpan, gray, and sand streaks--	2	37	W.B.
Hardpan, gray-----	11	48	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	5	53	
Slate, gray-----	2	55	

Well 10/9W-20D1

Type of record: Driller's log. Altitude: About 540 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow, and sand-----	25	25	
Pennsylvanian system:			
Middle series:			
Shale, dark-----	5	30	Trace of coal
Shale, dark-----	3	33	
Shale, light-----	19	52	
Shale, sandy, gray-----	26	78	
Shale, gray-----	3	81	
Shale, sandy-----	9	90	
Shale, gray-----	8	98	
Limestone-----	4	102	
Shale, gray-----	2	104	

Well 10/9W-20J1

Type of record: Driller's log. Altitude: About 565 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	21	21	
Sand, light-----	6	27	
Muck, blue-----	19	46	
Pennsylvanian system:			
Middle series:			
Shale, dark-----	4	50	
Muck and shale-----	6	56	
Shale, sandy-----	4	60	W.B.
Limestone, hard-----	7	67	
Red rock-----	5	72	
Shale, sandy-----	4	76	W.B.
Sandstone-----	19	95	W.B.
Shale, sandy-----	8	103	
Limestone, sandy-----	7	110	

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

Well 10/9W-21A1

Type of record: Driller's log.

Altitude: About 565 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Soil and clay-----	18	18	
Hardpan-----	2	20	
Quicksand-----	8	28	W.B.
Pennsylvanian system:			
Middle series:			
Shale, soft-----	18	46	
Limestone, hard-----	6	52	
Red rock-----	7	59	
Shale, light-----	20	79	
Sandstone-----	48	127	W.B.
Shale, dark-----	4	131	
Coal-----	4	135	
Fire clay-----	5	140	
Shale, light-----	6	146	
Sandstone-----	6	152	W.B.
Limestone, hard-----	5	157	
Limestone, sandy-----	8	165	
Limestone, brown-----	10	175	

Well 10/9W-21L1

Type of record: Driller's log.

Altitude: About 590 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Dug well-----	22	22	
Hardpan-----	18	40	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	22	62	
Shale, dark-----	8	70	
Shale, green-----	2	72	
Limestone, hard-----	5	77	
Red rock-----	5	82	
Shale, gray-----	8	90	
Limestone, sandy-----	5	95	
Shale, gray-----	8	103	
Sandstone-----	44	147	W.B.
Shale, dark-----	3	150	

Well 10/9W-21N1

Type of record: Driller's log.

Altitude: About 565 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, red-----	14	14	
Hardpan-----	10	24	
Mud, blue-----	28	52	

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

Well 10/9W-21N1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	21	73	W.B.
Limestone, hard-----	5	78	
Shale, dark-----	5	83	
Shale, red and gray-----	3	86	
Shale, dark-----	14	100	
Sandstone-----	27	127	W.B.

Well 10/9W-21Q1			
Type of record: Driller's log.		Altitude: About 565 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface and clay-----	15	15	
Sand and gravel-----	23	38	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	5	43	W.B.
Limestone, hard-----	4	47	
Red rock-----	5	52	
Shale, sandy-----	11	63	
Shale, gray-----	9	72	
Limestone, broken-----	6	78	W.B.
Limestone, hard-----	4	82	
Sandstone-----	30	112	
Shale, dark-----	13	125	

Well 10/9W-22E2			
Type of record: Driller's log.		Altitude: About 565 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Clay and hardpan-----	18	18	
Sand and gravel-----	24	42	
Hardpan and gravel-----	11	53	
Pennsylvanian system:			
Middle series:			
Sandstone, white-----	17	70	W.B.

Well 10/9W-22M1			
Type of record: Driller's log.		Altitude: About 550 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Old well-----	18	18	
Hardpan-----	7	25	
Sand and gravel-----	18	43	
Hardpan-----	9	52	

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

Well 10/9W-22M1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Sandstone, white-----	30	82	W.B.
Shale, dark-----	11	93	

Well 10/9W-23J1

Type of record: Driller's log.

Altitude: About 610 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface and clay-----	16	16	
Hardpan-----	5	21	
Pennsylvanian system:			
Middle series:			
Sandstone, white-----	46	67	W.B.
Shale, dark-----	8	75	
Coal-----	2	77	
Fire clay-----	3	80	
Shale, gray-----	8	88	
Sandstone-----	29	117	W.B.
Limestone, hard-----	4	121	
Shale, sandy-----	9	130	

Well 10/9W-23M1

Type of record: Driller's log.

Altitude: About 580 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface and clay-----	18	18	
Hardpan-----	6	24	
Pennsylvanian system:			
Middle series:			
Limestone, hard-----	3	27	
Shale, light-----	2	29	
Red rock-----	6	35	
Shale, sandy-----	10	45	
Shale, light-----	7	52	
Shale, sandy-----	8	60	
Sandstone, white-----	35	95	W.B.
Shale, dark-----	14	109	
Coal-----	4	113	
Shale, dark-----	5	118	
Shale, light-----	4	122	
Sandstone, white-----	22	144	W.B.
Shale, gray-----	3	147	

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

Well 10/9W-24M1

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Shale, yellow and dark-----	20	20	Clay (?)
Pennsylvanian system:			
Middle series:			
Sandstone-----	45	65	W.B.
Slate, dark-----	5	70	
Coal-----	4	74	
Fire clay-----	3	77	
Shale, sandy-----	11	88	W.B.

Well 10/9W-25N1

Type of record: Sample study by George E. Heap. Altitude: About 585 feet.

Record missing-----	85	85	
Pennsylvanian system:			
Middle series:			
Coal-----	5	90	
Sandstone, medium, subangular to subrounded, well-cemented, white-----	5	95	
Sandstone, medium, subangular to subrounded, well-cemented, white, many phosphatic (?) nodules-----	5	100	
Sandstone, medium, subangular to subrounded, well-cemented, white, with some tan to buff- tan, argillaceous and dolo- mitic limestone-----	5	105	
Limestone, very finely crystal- line, partly dolomitic, tan- gray mottled, and gray-white, soft, shale-----	5	110	
Sandstone, medium to fine- grained, calcareous cement, white to tan, and a streak of brown-tan dolomite-----	10	120	
Limestone, argillaceous, dolo- mitic, brown-tan with white to tan, calcareous cement, medium to fine-grained sandstone-----	5	125	
Sandstone, fine, subrounded, very argillaceous, grading into sandy shale-----	10	135	
Shale, sandy, fine gray-----	20	155	
Shale, gray-----	5	160	

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

Well 10/9W-25N1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Sandstone, fine very argillaceous, gray, much pyrite and/or marcasite and a streak of buff, finely crystalline limestone-----	5	165	
Shale, silty, light-gray-----	5	170	
Shale, light-gray-----	15	185	
Dolomite, brown, and black shale with a trace of coal-----	5	190	
Shale, black and gray, and coal---	5	195	
Limestone, fossiliferous, rather soft, white to buff, some dark-brown dolomite, and coal and black shale-----	8	203	
Fire clay, white, and gray shale--	7	210	
Fire clay, white-----	5	215	
Coal-----	1	216	
Sandstone, fine, subrounded, micaceous, poorly-cemented-----	4	220	
Shale, finely micaceous, slightly calcareous, dark-gray; dark-gray to gray-buff argillaceous, somewhat pyritic, medium to finely crystalline limestone, few fossils; streak of gray-white gypsum-----	7	227	
Limestone, finely-granular, very dolomitic, gray-----	8	235	
Coal-----	5	240	
Coal, trace of dark, siliceous limestone (coal caved?)-----	5	245	
Underclay, soft, light, with a trace of gray-white pyritic dolomitic limestone, fossiliferous-----	5	250	
Shale, very sandy, micaceous, gray, with many carbonaceous inclusions-----	10	260	
Sandstone, fine-grained, very argillaceous, dark-gray, many rounded crystalline pyrite clusters, and gray, micaceous, very sandy shale-----	10	270	
Shale, soft, light-gray-----	35	305	
Shale, hard, black-----	10	315	

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

Well 10/9W-25N1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, very sandy, micaceous, soft, light-gray, grading into micaceous, argillace- ous, medium to fine, poorly- assorted, subangular to subrounded sandstone-----	5	320	
Shale, very sandy, micaceous, soft, light-gray, grading into micaceous, argillace- ous, medium to fine, poorly- assorted, subangular to subrounded sandstone, with many carbonaceous streaks and inclusions-----	10	330	
Shale, very sandy, micaceous, soft, light-gray, grading into micaceous, argillace- ous, medium to fine sub- angular to subrounded sandstone, with a streak of buff, soft shale-----	5	335	
Shale, dark-gray-----	10	345	
Shale, dark-gray, with a streak of white, finely-cemented sandstone-----	5	350	
Shale, soft, gray-white-----	5	355	
Sandstone, medium to coarse, subangular, fairly well-ce- mented-----	5	360	
Sandstone, medium to coarse, subangular, poorly-cemented---	10	370	
Sandstone, coarse, subangular, poorly-cemented-----	10	380	
Sandstone, coarse, subangular to subrounded, loose-----	35	415	T.D. 2,200 ft

Well 10/9W-26B1			
Type of record: Driller's log.	Altitude: About 600 feet.		
Quaternary system:			
Recent and Pleistocene (?) series:			
Clay-----	10	10	
Shale, sandy-----	15	25	Clay (?)
Shale, green-----	8	33	Do
Pennsylvanian system:			
Middle series:			
Shale, gray-----	4	37	
Sandstone-----	2	39	

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

Well 10/9W-26D1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, gray-----	5	153	
Sandstone-----	9	162	
Shale, gray-----	16	178	
Shale, dark-----	17	195	
Shale, light-----	5	200	
Shale, dark-----	10	210	
Shale, light-----	25	235	
Shale, gray-----	30	265	
Coal-----	1	266	
Limestone-----	4	270	
Shale, light-----	10	280	
Limestone-----	10	290	
Slate, black-----	10	300	
Limestone-----	5	305	
Slate, black-----	7	312	
Coal-----	5	317	
Shale, light-----	18	335	
Shale, gray-----	15	350	
Limestone-----	12	362	
Shale, dark-----	20	382	
Shale, light-----	8	390	
Coal-----	2	392	
Fire clay-----	3	395	
Shale, dark-----	30	425	
Sandstone-----	45	470	W.B.
Shale-----	6	476	

Well 10/9W-26E1

Type of record: Driller's log.

Altitude: About 590 feet.

Quaternary system:

Recent and Pleistocene series:

Clay-----	14	14	
Sandstone-----	2	16	Cemented sand (?)
Shale, gray-----	3	19	Clay (?)
Gravel-----	2	21	

Pennsylvanian system:

Middle series:

Limestone-----	3	24	
Shale-----	12	36	
Red rock and green shale-----	1	37	
Shale, gray-----	70	107	
Coal and slate-----	2	109	
Shale, sandy-----	121	230	
Coal or black slate-----	2	232	
Shale-----	25	257	
Limestone-----	5	262	
Slate, black-----	15	277	

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

Well 10/9W-26J2--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, gray-----	2	184	
Limestone, hard-----	6	190	
Coal-----	5	195	
Shale, dark-----	1	196	
Sandstone, hard-----	2	198	
Fire clay-----	1	199	
Sandstone, shells and shale-----	6	205	
Shale, gray-----	90	295	
Limestone, hard-----	1	296	
Shale, gray-----	1	297	
Coal-----	4	301	"Gas"
Shale, gray-----	24	325	
Shale, dark-----	13	338	
Sandstone and shale-----	9	347	"Gas"
Sandstone-----	35	382	W.B. at 355 ft
Coal-----	4	386	
Shale-----	14	400	T.D. 1,420 ft

Well 10/9W-26N1			
Type of record: Driller's log.	Altitude: About 550 feet.		
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	20	20	
Hardpan-----	30	50	
Pennsylvanian system:			
Middle series:			
Sandstone-----	15	65	W.B.
Shale, dark-----	15	80	
Coal-----	3.5	83.5	
Shale-----	4.5	88	
Sandstone-----	5	93	W.B.
Shale, light-----	--	93	

Well 10/9W-26P1			
Type of record: Driller's log.	Altitude: About 570 feet.		
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	20	20	
Pennsylvanian system:			
Middle series:			
Limestone-----	4	24	
Fire clay, soft-----	6	30	
Red rock-----	11	41	
Slate and limestone-----	3	44	W.B.
Shale, dark-----	18	62	
Sandstone-----	18	80	W.B.

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

Well 10/9W-28D1

Type of record: Driller's log. Altitude: About 565 feet.

Material	Thick-ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	17	17	
Mud and gravel-----	16	33	
Pennsylvanian system:			
Middle series:			
Shale, dark-----	41	74	W.B.
Limestone-----	4	78	
Red rock-----	7	85	
Shale, sandy-----	10	95	

Well 10/9W-28E1

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

Material	Thick-ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay and hardpan-----	30	30	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	18	48	
Slate and coal-----	7	55	W.B.
Fire clay-----	3	58	
Limestone, hard-----	2	60	
Shale, gray-----	6	66	
Limestone, hard-----	4	70	
Shale and red rock-----	7	77	
Limestone, hard-----	4	81	
Sandstone-----	4	85	W.B.
Shale, gray-----	15	100	
Sandstone-----	35	135	W.B.
Shale, gray-----	3	138	

Well 10/9W-28H1

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

Material	Thick-ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	15	15	
Hardpan-----	25	40	
Pennsylvanian system:			
Middle series:			
Shale, dark-----	10	50	
Shale, light-----	20	70	
Limestone-----	3	73	
Shale, light-----	7	80	
Limestone, sandy-----	5	85	
Shale, sandy, broken-----	21	106	W.B.
Shale-----	4	110	

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

		Well 10/9W-30R1		
Type of record: Driller's log.				Altitude: About 565 feet.
Material	Thick- ness (feet)	Depth (feet)	Remarks	
Quaternary system:				
Recent and Pleistocene series:				
Surface-----	25	25		
Sand-----	5	30		
Pennsylvanian system:				
Middle series:				
Slate, black-----	4	34		
Coal-----	1	35		
Shale, light-----	30	65		
Shale, gray-----	20	85		
Shale, sandy-----	15	100		
Shale, light-----	7	107		
Sandstone-----	5	112		
Limestone-----	6	118		
Shale, light-----	9	127		
Limestone-----	5	132		
Shale, sandy-----	40	172		
Sandstone-----	8	180		
Shale-----	10	190		
Coal-----	4	194		
Fire clay-----	6	200		
Sandstone-----	25	225		
Shale, light-----	60	285		

		Well 10/9W-31P1		
Type of record: Driller's log.				Altitude: About 549 feet.
Material	Thick- ness (feet)	Depth (feet)	Remarks	
Quaternary system:				
Recent and Pleistocene series:				
Surface-----	30	30		
Sand and gravel-----	10	40		
Pennsylvanian system:				
Middle series:				
Shale-----	10	50		
Sandstone-----	10	60		
Shale-----	10	70		
Limestone-----	5	75		
Shale-----	10	85		
Limestone-----	5	90		
Red rock-----	10	100		
Sandstone-----	80	180		
Coal-----	3	183		
Clay-----	7	190		
Sandstone-----	40	230		
Shale, gray-----	70	300		
Shale, soft-----	30	330		
Coal-----	4	334	T.D. 1,268 ft	

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

Well 10/9W-32F1

Type of record: Driller's log.

Altitude: About 563 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	40	40	
Pennsylvanian system:			
Middle series:			
Shale-----	10	50	
Coal-----	3	53	
Shale, gray-----	27	80	
Limestone-----	5	85	
Shale-----	5	90	
Coal and shale-----	5	95	
Shale-----	10	105	
Limestone-----	5	110	
Red rock-----	10	120	
Sandstone-----	50	170	
Shale-----	10	180	
Sandstone-----	10	190	
Coal-----	5	195	
Clay-----	5	200	
Shale, sandy-----	50	250	
Slate, gray-----	30	280	
Limestone-----	5	285	
Shale-----	10	295	
Shale, dark-----	15	310	
Coal-----	6	316	T.D. 1,386 ft.

Well 10/9W-32M1

Type of record: Driller's log.

Altitude: About 565 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, red-----	14	14	
Hardpan-----	24	38	
Pennsylvanian system:			
Middle series:			
Slate, gray-----	7	45	
Shale, dark-----	49	94	
Limestone, hard-----	2	96	
Shale, gray-----	5	101	
Limestone, hard-----	3	104	
Shale, gray-----	2	106	
Red rock, cavy-----	5	111	
Shale, sandy-----	37	148	
Sandstone-----	40	188	W.B.
Shale, gray-----	9	197	
Limestone, hard-----	4	201	
Sandstone-----	29	230	W.B.
Slate, dark-----	2	232	

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

Well 10/9W-32N1

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface and clay-----	17	17	
Hardpan-----	18	35	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	7	42	
Shale, dark-----	30	80	
Shale, gray-----	7	87	
Limestone, hard-----	3	90	
Shale, light-----	2	92	
Limestone, hard-----	2	94	
Red rock-----	9	103	
Shale, sandy, gray-----	39	142	
Sandstone, gray-----	28	170	W.B.
Shale, sandy, dark-----	5	175	
Limestone, hard-----	4	179	
Slate, dark-----	6	185	

Well 10/9W-33A1

Type of record: Driller's log. Altitude: About 545 feet.

Dug well-----	40	40	
Pennsylvanian system:			
Middle series:			
Shale and limestone-----	53	93	
Shale, sandy-----	7	100	
Sandstone-----	10	110	W.B.
Slate, gray-----	6	116	
Coal-----	4	120	
Fire clay-----	--	120	

Well 10/9W-33B1

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

Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	16	16	
Hardpan-----	12	28	
Mud, soft-----	5	33	
Sand and gravel-----	27	60	W.B.
Mud, soft-----	5	65	
Shale-----	10	75	
Shale, dark-----	13	88	
Shale, sandy-----	8	96	
Sandstone, dark-----	24	120	
Sandstone, light-----	11	131	W.B.
Coal-----	4	135	

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

Well 10/9W-33H1

Type of record: Driller's log. Altitude: About 555 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	26	26	
Sand-----	39	65	W.B.
Gravel and hardpan-----	--	65	

Well 10/9W-33L1

Type of record: Driller's log. Altitude: About 540 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface and clay-----	16	16	
Hardpan-----	6	22	
Pennsylvanian system:			
Middle series:			
Shale, soft-----	7	29	
Limestone, hard-----	4	33	
Red rock, cavy-----	11	44	
Shale, sandy, dark-----	46	90	
Sandstone, dark-----	23	113	W.B.
Shale, dark-----	5	118	
Slate, black, and coal-----	7	125	
Fire clay-----	3	128	
Limestone, hard-----	7	135	
Sandstone, white-----	9	144	W.B.
Shale, sandy, light-----	21	165	
Shale, sandy, dark-----	25	190	
Shale, dark-----	33	223	

Well 10/9W-34B1

Type of record: Driller's log. Altitude: About 555 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	16	16	
Hardpan-----	7	23	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	5	28	
Sandstone-----	30	58	W.B.
Shale, dark-----	17	75	
Coal-----	3	78	
Shale, gray-----	11	89	

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

Well 10/9W-34N1

Type of record: Driller's log. Altitude: About 540 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	17	17	
Hardpan-----	5	22	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	5	27	
Sandstone-----	33	60	W.B.
Shale, dark-----	14	74	
Coal-----	3	77	
Fire clay-----	4	81	
Limestone, hard-----	5	85	
Sandstone-----	13	98	W.B.
Shale, sandy-----	13	111	

Well 10/9W-34N2

Type of record: Driller's log. Altitude: About 530 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	15	15	
Hardpan-----	5	20	
Shale, sandy, soft-----	10	30	Sandy clay (?)
Hardpan-----	2	32	
Sand and gravel-----	8	40	W.B.
Hardpan-----	12	52	
Shale, green-----	9	61	Clay (?)

Well 10/9W-34R1

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay, yellow-----	15	15	
Hardpan-----	9	24	
Sand and gravel-----	22	46	
Pennsylvanian system:			
Middle series:			
Shale, light-----	11	57	
Shale, sandy-----	7	64	
Sandstone-----	8	72	W.B.
Shale, dark-----	25	97	
Coal-----	2	99	
Fire clay-----	3	102	
Sandstone, white-----	28	130	W.B.

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

Well 10/9W-34R2

Type of record: Driller's log. Altitude: About 565 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface and clay-----	15	15	
Hardpan-----	12	27	
Shale, soft-----	5	32	Clay (?)
Hardpan-----	16	48	
Pennsylvanian system:			
Middle series:			
Shale, light-----	7	55	
Sandstone, white-----	37	92	W.B.
Slate and coal-----	5	97	
Fire clay-----	4	101	
Limestone, hard-----	4	105	
Shale, sandy-----	7	112	
Sandstone, white-----	15	127	W.B.
Shale, gray-----	11	138	

Well 10/9W-36E1

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

Quaternary system:			
Recent and Pleistocene series:			
Clay-----	14	14	
Hardpan-----	16	30	
Shale, dark-----	15	45	Clay (?)
Sand and gravel-----	5	50	W.B.

Well 10/9W-36M1

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

Quaternary system:			
Recent and Pleistocene series:			
Surface and clay-----	15	15	
Sand and gravel-----	13	28	
Hardpan-----	12	40	
Pennsylvanian system:			
Middle series:			
Sandstone, brown-----	8	48	
Sandstone, white-----	7	55	W.B.
Shale, dark-----	27	82	
Coal-----	3	85	
Fire clay-----	3	88	
Shale, gray-----	10	98	
Limestone, sandy-----	6	104	W.B.
Shale, gray-----	13	117	

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

Well 10/10W- 1M1

Type of record: Driller's log. Altitude: About 520 feet.

Material	Thick-ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene (?) series:			
Clay-----	16	16	
Sandstone-----	22	38	Cemented sand (?)
Shale, cavy, gray-----	12	50	Clay (?)
Shale, green-----	10	60	Clay (?)
Pennsylvanian system:			
Middle series:			
Limestone-----	5	65	
Shale, red-----	7	72	
Shale, brown-----	5	77	
Shale, sandy-----	3	80	
Shale-----	30	110	
Sandstone-----	26	136	W.B.

Well 10/10W- 1M2

Type of record: Driller's log. Altitude: About 520 feet.

Quaternary system:			
Recent and Pleistocene (?) series:			
Clay-----	18	18	
Gravel and shale-----	2	20	W.B., gravel and clay (?)
Sandstone-----	27	47	Cemented sand (?)
Shale, sandy, brown-----	18	65	Sandy clay (?)
Gravel-----	3	68	W.B.

Well 10/10W- 2E1

Type of record: Driller's log. Altitude: About 470 feet.

Quaternary system:			
Recent and Pleistocene series:			
Gravel-----	19	19	
Pennsylvanian system:			
Middle series:			
Limestone-----	8	27	
Shale-----	17	44	
Shale, sandy-----	16	60	
Sandstone-----	37	97	W.B.

Well 10/10W- 2P1

Type of record: Driller's log. Altitude: About 530 feet.

Quaternary system:			
Recent and Pleistocene series:			
Soil and clay-----	20	20	
Sand-----	25	45	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	8	53	

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

Well 10/10W- 2P1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, gray-----	29	82	
Limestone, hard-----	5	87	
Fire clay-----	6	93	
Shale-----	7	100	
Shale, sandy-----	13	113	
Sandstone, light-----	42	155	W.B.
Shale, gray-----	3	158	
Sandstone, blue-----	7	165	W.B.
Coal-----	4	169	
Shale-----	6	175	
Sandstone-----	15	190	
Shale, green-----	25	215	

Well 10/10W- 3A1

Type of record: Driller's log.

Altitude: About 480 feet.

Quaternary system:			
Recent and Pleistocene series:			
Sand and gravel-----	45	45	
Pennsylvanian system:			
Middle series:			
Shale, blue-----	30	75	
Sandstone-----	20	95	W.B.
Shale, dark-----	12	107	
Coal-----	3	110	W.B.
Fire clay-----	5	115	
Shale, sandy-----	12	127	
Limestone-----	2	129	W.B.
Shale, light-----	31	160	

Well 10/10W- 3N1

Type of record: Driller's log.

Altitude: About 470 feet.

Quaternary system:			
Recent and Pleistocene series:			
Gravel-----	35	35	W.B.
Hardpan-----	8	43	
Pennsylvanian system:			
Middle series:			
Limestone-----	3	46	
Red rock-----	3	49	
Shale, gray-----	5	54	
Limestone sandy-----	6	60	
Shale, gray-----	5	65	

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

		Well 10/10W- 8Q1	
Type of record: Driller's log.		Altitude: About 450 feet.	
Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Sand and gravel-----	112	112	
Pennsylvanian system:			
Middle series:			
Slate, gray-----	20	132	
Coal-----	2	134	
Slate, gray-----	48	182	
Coal-----	2	184	W.B.
Fire clay-----	5	189	
Shale, gray-----	33	222	
Coal-----	2	224	
Shale, dark-----	36	260	
Slate, light-brown-----	15	275	
Limestone, dark-----	5	280	
Coal-----	5	285	
Shale, sandy-----	12	297	
Shale, muddy-----	31	328	
Coal-----	4	332	
Shale, sandy-----	7	339	
Coal-----	3	342	
Sandstone-----	20	362	W.B.; "Gas"; T.D. 2,315 ft

		Well 10/10W- 9N1	
Type of record: Driller's log.		Altitude: About 460 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Drift-----	10	10	
Pennsylvanian system:			
Middle series:			
Limestone-----	2	12	
Mud, blue-----	22	34	
Limestone-----	8	42	
Coal-----	3	45	
Fire clay-----	7	52	
Limestone-----	4	56	
Slate-----	23	79	
Sandstone-----	34	115	
Coal-----	2	115	
Slate-----	17	132	
Limestone-----	6	138	
Slate, gray-----	32	170	
Shale, dark-----	10	180	
Slate, gray-----	52	232	
Shale, brown, and coal-----	5	237	
Shale, sandy-----	13	250	

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

Well 10/10W- 9N1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Limestone, hard-----	4	254	
Coal-----	6	260	"Gas"
Shale, sandy-----	8	268	
Shale and sandstone-----	6	274	"Gas"
Slate-----	3	277	"Gas"

Well 10/10W-11J1

Type of record: Driller's log.

Altitude: About 535 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface and clay-----	17	17	
Hardpan-----	15	32	
Pennsylvanian system:			
Middle series:			
Shale, light-----	13	45	
Shale, dark-----	9	54	
Shale, gray-----	26	80	
Limestone, hard-----	2	82	
Shale, light-----	3	85	
Limestone, hard-----	4	89	
Red rock-----	5	94	
Shale, gray-----	16	110	
Shale, sandy-----	35	145	
Sandstone-----	11	156	W. B.
Slate, gray-----	14	170	
Coal-----	2	172	
Shale, light-----	6	178	
Limestone-----	3	181	
Sandstone-----	36	217	W. B.
Limestone, hard-----	4	221	
Shale, sandy-----	5	226	

Well 10/10W-16E1

Type of record: Driller's log.

Altitude: About 470 feet.

Quaternary system:			
Recent and Pleistocene series:			
Hardpan-----	18	18	
Gravel-----	1	19	
Pennsylvanian system:			
Middle series:			
Slate, blue-----	40	59	
Coal-----	1	60	
Limestone, hard-----	8	68	
Shale, red-----	6	74	
Limestone-----	6	80	W. B.

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

Well 10/10W-16H1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale and shells-----	40	115	
Limestone-----	12	127	
Shale-----	9	136	
Shale, sandy-----	19	155	
Coal-----	5	160	
Shale-----	10	170	
Limestone-----	5	175	
Sandstone-----	3	178	
Limestone-----	5	183	
Sandstone and sandy limestone----	17	200	
Shale, sandy-----	30	230	
Shale-----	70	300	
Limestone, shelly-----	2	302	
Shale, sandy-----	58	360	
Sandstone and shale-----	10	370	T.D. 2,190 ft

Well 10/10W-17H1

Type of record: Driller's log.

Altitude: About 475 feet.

Quaternary system:			
Recent and Pleistocene series:			
Sand and gravel-----	30	30	
Pennsylvanian system:			
Middle series:			
Shale, blue-----	8	38	
Limestone-----	1	39	
Coal-----	1	40	
Limestone-----	6	46	
Shale, blue-----	12	58	
Shale, sandy, gray-----	37	95	
Sandstone-----	20	115	
Coal-----	4	119	
Fire clay-----	8	127	
Shale, sandy-----	38	165	
Fire clay-----	40	205	
Shale-----	34	239	
Limestone-----	2	241	
Coal-----	5	246	
Limestone-----	4	250	
Shale, sandy-----	10	260	
Sandstone-----	4	264	"Gas"
Slate, black-----	4	268	
Coal-----	4	272	
Limestone-----	2	274	
Shale, sandy-----	4	278	
Shale, dark-----	20	298	
Shale, dark-----	2	300	"Gas"

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

Well 10/10W-17H1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, dark-----	7	307	"Gas"
Coal and black shale-----	3	310	
Limestone, broken, and sandstone-----	10	320	
Limestone, hard-----	3	323	
Shale, muddy, gray-----	5	328	
Shale, sandy-----	23	351	

Well 10/10W-20A1			
Type of record: Driller's log.		Altitude: About 465 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Sand and gravel-----	60	60	
Pennsylvanian system:			
Middle series:			
Shale, light-gray-----	2	62	
Limestone-----	3	65	
Shale, light-gray-----	3	68	
Clay, red-----	3	71	
Shale, blue-gray-----	4	75	
Shale, sandy-----	4	79	
Limestone-----	3	82	
Shale, light-gray-----	23	105	
Shale, sandy-----	40	145	
Coal-----	3	148	
Shale, blue-----	3	151	
Clay, soft, brown-----	4	155	
Shale, gray-----	13	168	
Slate, gray-----	4	172	
Shale, gray-----	4	176	
Limestone, sandy-----	28	204	
Shale, gray-----	5	209	
Slate and coal-----	7	216	
Shale, dark-----	4	220	
Shale, sandy-----	14	234	
Shale, dark-----	4	238	
Shale, gray-----	32	270	
Shale, dark-----	22	292	
Shale, gray-----	6	298	
Shale, sandy-----	6	304	
Limestone-----	2	306	
Limestone, sandy-----	3	309	
Limestone, black-----	9	318	
Shale, black-----	2	320	
Coal-----	7	327	
Shale, dark-----	13	340	
Coal-----	8	348	

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

Well 10/10W-24H1

Type of record: Driller's log. Altitude: About 520 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Hardpan-----	18	18	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	12	30	
Sandstone-----	46	76	
Limestone-----	2	78	
Shale-----	3	81	
Limestone-----	--	81	

Well 10/10W-25A1

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

Quaternary system:			
Recent and Pleistocene series:			
Sand and brown clay-----	23	23	
Pennsylvanian system:			
Middle series:			
Shale, hard-----	9	32	
Limestone-----	3	35	
Slate, black-----	5	40	
Coal-----	3	43	
Shale, gray-----	10	53	
Sandstone-----	5	58	
Shale, gray-----	55	113	
Shale, soft, light-----	6	119	
Limestone, hard-----	5	124	
Shale, brown-----	11	135	
Shale, gray-----	20	155	
Sandstone, very fine-grained-----	47	202	W.B.
Coal-----	1	203	

Well 10/10W-27N1

Type of record: Driller's log. Altitude: About 510 feet.

Quaternary system:			
Recent and Pleistocene series:			
Old hole-----	18	18	
Hardpan-----	14	32	
Pennsylvanian system:			
Middle series:			
Coal and fire clay-----	6	38	
Shale, gray-----	22	60	
Shale, dark-----	42	102	
Coal-----	1	103	
Fire clay-----	3	106	
Limestone, hard-----	5	111	
Red rock and shale-----	7	118	

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

Well 10/10W-27N1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Sandstone-----	8	126	W.B.
Shale, gray-----	5	131	
Limestone-----	2	133	
Sandstone-----	55	188	
Shale, dark-----	10	198	

Well 10/10W-28H1

Type of record: Driller's log.

Altitude: About 476 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay-----	10	10	
Pennsylvanian system:			
Middle series:			
Sandstone-----	10	20	
Shale-----	65	85	
Limestone-----	2	87	
Shale, gray-----	4	91	
Limestone-----	6	97	
Red rock-----	6	103	
Shale-----	62	165	
Coal-----	5	170	
Shale, gray-----	10	180	
Sandstone-----	35	215	
Shale-----	70	285	
Coal-----	2	287	
Shale, sandy-----	12	299	
Limestone-----	2	301	
Coal-----	6	307	
Shale-----	44	351	
Coal-----	6	357	"Gas"
Shale-----	28	385	
Sandstone-----	33	418	T.D. 1,405 ft

Well 10/10W-29H1

Type of record: Driller's log.

Altitude: About 470 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	2	2	
Pennsylvanian system:			
Middle series:			
Shale-----	12	14	
Coal-----	2	16	
Clay-----	2	18	
Shale, sandy, light-----	7	25	
Sandstone-----	5	30	

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

Well 10/10W-29H1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, sandy, light-----	8	38	
Shale, dark-gray-----	54	92	
Limestone, gray-----	3	95	
Sandstone, gray-----	7	102	
Well 10/10W-31N1			
Type of record: Driller's log.		Altitude: About 443 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Sand and gravel-----	104	104	
Pennsylvanian system:			
Middle series:			
Red rock-----	4	108	
Shale, sandy-----	9	117	
Shale, blue-----	18	135	
Shale, sandy-----	20	155	
Shale, blue-----	37	192	
Shale, gray-----	93	285	
Coal-----	2	287	
Shale, gray-----	15	302	
Limestone-----	6	308	
Coal-----	2	310	
Shale, gray-----	65	375	
Limestone, shell-----	1	376	
Sandstone-----	64	440	W.B. ; Trace of oil
Coal-----	1	441	T.D. 2,376 ft

Well 10/10W-31R1			
Type of record: Driller's log.		Altitude: About 445 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Soil-----	2	2	
Sand-----	20	22	
Pennsylvanian system:			
Middle series:			
Shale-----	5	27	
Limestone-----	3	30	
Shale-----	47	77	
Sandstone-----	48	125	
Shale-----	12	137	
Coal-----	3	140	
Shale-----	17	157	
Sandstone-----	13	170	
Shale-----	80	250	
Limestone-----	5	255	

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

Well 10/10W-31R1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Coal-----	5	260	
Shale, gray-----	80	340	
Sandstone, gray-----	75	415	T.D. 2,181 ft

Well 10/10W-32N1

Type of record: Driller's log.

Altitude: About 454 feet.

Quaternary system:			
Recent and Pleistocene series:			
Sand and gravel-----	12	12	
Hardpan-----	18	30	
Pennsylvanian system:			
Middle series:			
Shale-----	30	60	
Coal-----	1	61	
Shale-----	11	72	
Limestone-----	10	82	
Shale-----	10	92	
Slate-----	8	100	
Shale, sandy-----	15	115	
Sandstone-----	27	142	
Shale, gray-----	4	146	
Shale, sandy-----	9	155	
Shale, gray-----	24	179	
Coal-----	2	181	
Shale, gray-----	7	188	
Limestone-----	2	190	
Limestone, broken, and shale-----	49	239	
Shale-----	13	252	
Coal-----	2	254	
Shale, broken, and slate-----	11	265	
Limestone, sandy-----	8	273	
Slate, black-----	4	277	
Coal-----	2	279	
Shale, broken, and limestone-----	21	300	
Shale, dark-----	30	330	
Slate, black-----	3	333	
Coal-----	2	335	
Limestone, broken-----	7	342	
Limestone, brown-----	8	350	
Limestone, sandy-----	10	360	
Sandstone-----	13	373	W.B.
Limestone, sandy-----	2	375	
Shale, sandy-----	25	400	
Sandstone-----	26	426	
Slate-----	9	435	
Limestone-----	6	441	
Sandstone-----	59	500	

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

Well 10/10W-33A1

Type of record: Driller's log. Altitude: About 530 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Soil, caly, and sand-----	25	25	
Sand, fine-----	13	38	W.B.
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	22	60	
Shale, dark-gray-----	7	67	
Limestone, hard-----	3	70	
Shale-----	4	74	
Coal-----	2	76	
Shale, dark-----	6	82	
Sandstone-----	16	98	
Shale-----	52	150	
Limestone-----	8	158	
Shale-----	3	161	

Well 10/10W-35D1

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

Quaternary system:			
Recent and Pleistocene series:			
Sand-----	18	18	
Pennsylvanian system:			
Middle series:			
Limestone, shelly-----	1	19	
Shale, dark-----	3	22	
Slate, black, and mud-----	5	27	
Coal-----	2	29	
Fire clay-----	6	35	
Shale, dark-----	61	96	
Limestone, hard-----	8	104	
Red rock-----	6	110	
Shale and limestone-----	9	119	
Shale, light-----	26	145	
Sandstone-----	25	170	W.B.
Shale, dark-----	10	180	

Well 10/10W-35D2

Type of record: Driller's log. Altitude: About 530 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay and fine sand-----	20	20	
Hardpan-----	37	57	
Pennsylvanian system:			
Middle series:			
Shale, dark-----	48	105	
Coal-----	1	106	

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

Well 11/ 8W- 1A1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Clay-----	2	70	W.B.
Sandstone-----	4	74	
Shale, sandy, gray-----	14	88	
Coal-----	6	94	
Clay-----	1	95	
Shale, sandy, gray-----	5	100	
Sandstone-----	5	105	
Shale, sandy, gray-----	7	112	
Coal-----	3	115	
Clay-----	2.5	117.5	
Sandstone-----	2.5	120	
Shale, sandy, gray-----	12	132	
Coal-----	2	134	
Clay-----	6	140	
Shale, sandy, soft, light-gray---	10	150	
Shale, sandy, gray-----	40	190	
Lower (?) series:			
Shale, gray-----	8	198	
Sandstone-----	19	217	
Coal-----	4	221	
Shale, sandy, gray-----	21	242	

Well 11/ 8W- 1J1			
Type of record: Driller's log.		Altitude: About 600 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	10	10	
Pan, sandy-----	26	36	
Pennsylvanian system:			
Middle series:			
Coal-----	1.5	37.5	
Clay-----	2.5	40	
Shale, sandy, gray-----	18	58	
Slate, black-----	7	65	
Coal-----	1	66	
Clay-----	2	68	
Shale, sandy-----	16	84	
Coal-----	6.5	90.5	
Clay-----	1.5	92	
Shale, dark-----	3	95	
Sandstone-----	10	105	
Shale, sandy, gray-----	40	145	
Shale, soft, light-gray-----	5	150	

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

Well 11/ 8W- 2C1

Type of record: Driller's log.

Altitude: About 575 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	12	12	
Pan-----	4	16	
Sand and gravel-----	2	18	
Pan-----	15	33	
Sand and gravel-----	4	37	
Pan-----	33	70	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	5	75	
Coal-----	1.5	76.5	
Clay-----	.5	77	
Shale, gray-----	18	95	
Shale, dark-gray-----	7	102	
Slate, black-----	6	108	
Clay-----	4.5	112.5	
Sandstone-----	13.5	126	
Shale, sandy, dark-gray-----	.5	126.5	
Sandstone-----	1	127.5	
Shale, sandy, gray-----	7.5	135	
Shale, dark-gray-----	2	137	

Well 11/ 8W- 2D1

Type of record: Driller's log.

Altitude: About 550 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	6	6	
Sand-----	14	20	
Pan-----	12	32	
Pennsylvanian system:			
Middle series:			
Shale, sandy, gray-----	35	67	
Coal-----	3	70	
Shale, sandy, gray-----	15	85	
Shale, gray-----	2	87	
Shale, dark-gray-----	3	90	
Slate, black-----	10	100	
Coal-----	1	101	
Clay-----	1	102	
Shale, gray-----	21	123	

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

Well 11/ 8W- 3B1

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

Material	Thick-ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	20	20	
Sand and gravel-----	24	44	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	20	64	
Sandstone-----	10	74	

Well 11/ 8W- 3P1

Type of record: Driller's log. Altitude: About 565 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	18	18	
Hardpan-----	17	35	
Sand, fine-----	14	49	W.B.
Hardpan-----	17	66	
Pennsylvanian system:			
Middle series:			
Sandstone-----	1	67	

Well 11/ 8W- 3Q1

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

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	14	14	
Hardpan-----	17	31	
Pennsylvanian system:			
Middle series:			
Sandstone-----	45	76	W.B.
Coal-----	3	79	
Fire clay-----	2	81	

Well 11/ 8W- 3R1

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

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	12	12	
Hardpan-----	19	31	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	26	57	
Sandstone-----	13	70	
Shale, gray-----	17	87	
Sandstone-----	5	92	
Shale, light-----	5	97	

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

Well 11/ 8W- 6Q1

Type of record: Driller's log.

Altitude: 550 feet.

Material	Thick-ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	25	25	
Sand-----	2	27	
Hardpan-----	17	44	
Sand-----	3	47	
Hardpan-----	13	60	
Gravel and hardpan-----	6	66	

Well 11/ 8W- 6R1

Type of record: Driller's log.

Altitude: About 535 feet.

Material	Thick-ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	8	8	
Sand, dirty, brown-----	20	28	
Hardpan, gray-----	37	65	
Softpan-----	12	77	
Sand, dirty, gray-----	7	84	
Wash, dark-----	13	97	
Sand and gravel-----	2	99	W.B.

Well 11/ 8W- 6R2

Type of record: Driller's log.

Altitude: About 550 feet.

Material	Thick-ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	20	20	
Sand, dirty-----	8	28	
Softpan-----	4	32	
Sand and gravel-----	5	37	W.B.

Well 11/ 8W- 7G1

Type of record: Driller's log.

Altitude: About 550 feet.

Material	Thick-ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface and hardpan-----	24	24	
Sand, blue-----	4	28	
Shale, gravelly-----	18	46	Gravelly clay (?)
Pennsylvanian system:			
Middle series:			
Shale, gray-----	30	76	
Coal-----	.5	76.5	
Fire clay-----	6.5	83	
Shale, sandy-----	5	88	
Shale, gray-----	6	94	
Coal-----	1	95	
Shale, gray-----	3	98	

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

Well 11/ 8W- 7G1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Limestone-----	4	102	
Shale, gray-----	5	107	
Limestone-----	5.5	112.5	
Slate, gray-----	2.5	115	
Slate, black-----	7	122	
Jack-----	2	124	
Mine opening-----	6	130	
Fire clay-----	4	134	
Shale, dark-----	42	176	
Slate, black, and steel bands---	3.5	179.5	
Coal-----	2	181.5	
Fire clay-----	6.5	188	
Shale, dark-----	25	213	
Shale, hard, dark-----	5	218	
Slate, black-----	7	225	
Fire clay-----	3	228	
Shale, gray-----	9	237	
Coal-----	2	239	
Fire clay-----	14	253	
Shale, gray-----	7	260	
Sandstone-----	26	286	W.B.
Shale, sandy-----	2	288	

Well 11/ 8W- 7H1			
Type of record: Driller's log.	Altitude: About 550 feet.		
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	17	17	
Sand-----	4	21	
Shale, sandy, gray-----	3	24	Sandy clay (?)
Shale, gray-----	37	61	Clay (?)
Shale, sandy, gray-----	7	68	Sandy clay (?)
Sand and gravel-----	3	71	W.B.
Pennsylvanian system:			
Middle series:			
Shale, gray-----	1	72	

Well 11/ 8W- 8H1			
Type of record: Driller's log.	Altitude: About 550 feet.		
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	20	20	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	16.5	36.5	

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

Well 11/ 8W- 8H1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Sandstone-----	3	39.5	
Shale, gray-----	5.5	45	
Limestone-----	4	49	
Slate, black-----	5	54	
Coal-----	3	57	
Fire clay-----	2	59	
Shale, gray-----	45	104	
Slate, black-----	5	109	
Coal-----	3	112	
Fire clay-----	2	114	
Shale, soft, gray-----	33	147	
Coal-----	2	149	
Fire clay and shale-----	20	169	
Slate, black-----	5	174	
Coal-----	2	176	
Fire clay-----	2	178	
Sandstone-----	4	182	
Shale, sandy, gray-----	28	210	
Sandstone, white-----	26	236	W.B.
Lower series:			
Shale, blue-----	10	246	

Well 11/ 8W- 8P1

Type of record: Driller's log.

Altitude: About 560 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay, red-----	17	17	
Clay, yellow-----	9	26	
Hardpan-----	36	62	
Pennsylvanian system:			
Middle series:			
Shale, soft-----	8	70	
Shale, gray-----	6	76	
Slate, black-----	4	80	
Coal-----	2	82	
Fire clay-----	4	86	
Shale, gray-----	14	100	
Limestone, hard-----	1	101	
Coal-----	3	104	
Limestone, hard-----	3	107	
Slate, dark-----	3	110	

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

Well 11/ 8W- 8P3

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Soil and clay-----	6	6	
Clay, sandy, yellow-----	21	27	
Sand, trace-----	--	27	W.B.
Hardpan, gray-----	11	38	
Pennsylvanian system:			
Middle series:			
Shale, blue-----	27	65	
Limestone and shale streaks-----	3	68	
Slate, black, and coal-----	13	81	W.B.
Fire clay-----	4	85	

Well 11/ 8W- 9D1

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

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	17	17	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	12	29	
Sandstone-----	2	31	
Sandstone and sandy shale-----	6	37	
Slate, black-----	3.5	40.5	
Coal-----	3	43.5	
Shale-----	35	78.5	
Fire clay-----	13.5	92	
Steel band-----	3	95	
Slate-----	3	98	
Coal-----	1	99	
Fire clay-----	6	105	
Shale-----	32	137	
Coal-----	2	139	
Shale-----	23	162	
Slate, black-----	5	167	
Coal-----	2	169	
Fire clay-----	5	174	
Shale, gray-----	7	181	
Sandstone-----	5	186	
Coal and soft clay-----	5	191	
Sandstone-----	9	200	
Shale, gray-----	14	214	
Sandstone-----	21	235	W.B.
Lower (?) series:			
Shale, white-----	10	245	

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

Well 11/ 8W- 9D2

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	10	10	
Hardpan-----	26	36	
Gravel-----	12	48	W.B.

Well 11/ 8W-10D1

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

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	18	18	
Hardpan, gray-----	12	30	
Softpan, dark-----	46	76	
Pennsylvanian system:			
Middle series:			
Slate, soft, black-----	2	78	
Fire clay (?)-----	3	81	
Shale (?), light-----	5	86	
Shale (?), light-blue-----	10	96	
Slate, gray-----	24	120	
Shale, sandy, gray-----	17	137	
Coal-----	1	138	
Fire clay, blue-----	2	140	
Slate, sandy, gray-----	8	148	
Shale, gray-----	15	163	
Slate, black-----	5	168	
Chip slate, black-----	2	170	
Coal-----	1	171	
Fire clay, dark-----	3	174	
Shale, gray-----	6	180	
Coal-----	3	183	
Fire clay (?)-----	5	188	
Shale, gray-----	12	200	
Sandstone, gray-----	18	218	
Shale, sandy, blue-----	2	220	

Well 11/ 8W-10E1

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

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	10	10	
Hardpan-----	35	45	
Gravel-----	11	56	W.B.

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

Well 11/ 8W-10H1

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

Material	Thick-ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	12.5	12.5	
Pennsylvanian system:			
Middle series:			
Sandstone-----	22.5	35	
Shale, gray-----	3	38	
Sandstone-----	5	43	
Shale, gray-----	16	59	
Sandstone-----	26	85	
Shale, sandy, gray-----	30	115	
Slate, black-----	5	120	
Fire clay-----	3	123	
Shale, gray-----	12	135	
Sandstone and shale-----	10	145	
Coal-----	1.5	146.5	
Fire clay-----	2.5	149	
Shale, sandy, dark-----	21	170	
Sandstone-----	20	190	
Shale, gray-----	15	205	
Coal-----	3	208	
Fire clay-----	3	211	
Shale, gray-----	21	232	
Sandstone-----	3	235	
Shale, sandy, gray-----	15	250	

Well 11/ 8W-10M1

Type of record: Driller's log (memory). Altitude: About 555 feet.

Quaternary system:			
Recent and Pleistocene series:			
Sand and gravel, mucky-----	78	78	
Sand and gravel-----	--	78	W.B.

Well 11/ 8W-11D1

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

Quaternary system:			
Recent and Pleistocene series:			
Top soil-----	15	15	
Gravel-----	5	20	
Pennsylvanian system:			
Middle series:			
Shale-----	12	32	
Sandstone-----	6	38	
Shale, sandy-----	40	78	
Sandstone-----	26	104	
Shale, black-----	8	112	

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

Well 11/ 8W-12P1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, dark-----	5	45	
Sandstone, gray-----	15	60	
Shale, gray-----	12	72	
Limestone-----	3	75	
Slate-----	3	78	
Coal-----	3	81	
Shale, dark-----	12	93	
Shale, sandy, light-----	23	116	
Sandstone-----	31	147	
Shale, light-----	18	165	
Shale, dark-----	5	170	
Coal-----	4	174	
Shale, dark-----	8	182	
Shale, gray-----	2	184	
Limestone, brown-----	10	194	
Shale, muddy, brown-----	9	203	
Shale, light-----	6	209	
Shale, dark-----	27	236	
Shale, light-----	7	243	
Sandstone-----	21	264	
Lower (?) series:			
Shale, dark-----	4	268	
Sandstone, sharp, hard-----	20	288	
Limestone, sandy, hard-----	15	303	
Shale, light-----	9	312	
Shale, dark-----	9	321	
Sandstone, hard-----	29	350	
Shale, broken, green-----	2	352	
Sandstone, hard-----	38	390	
Shale, gray-----	2	392	T.D. 1,685 ft

Well 11/ 8W-12R1			
Type of record: Driller's log.		Altitude: About 615 feet.	
Old hole-----	40	40	
Pennsylvanian system:			
Middle series:			
Shale-----	2	42	
Sandstone-----	3	45	
Shale, gray-----	12	57	
Sandstone-----	5	62	
Shale, dark-----	65	127	
Shale, sandy-----	4	131	
Shale, gray-----	2	133	
Shale, blue-----	14	147	
Sandstone-----	35	182	W.B.
Coal-----	--	182	

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

Well 11/ 8W-13J1

Type of record: Driller's log. Altitude: About 617 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	20	20	
Pennsylvanian system:			
Middle series:			
Shale-----	8	28	
Sandstone, broken-----	4	32	
Shale-----	9	41	
Coal-----	2	43	
Shale, sandy-----	22	65	
Sandstone, broken-----	20	85	
Slate-----	3	88	
Shale, dark-----	12	100	
Shale, gray-----	3	103	
Sandstone-----	81	184	
Coal-----	5	189	
Shale, light-----	3	192	
Shale, dark-----	16	208	
Coal-----	2	210	
Shale, dark-----	59	269	
Lower (?) series:			
Shale, gray-----	22	291	
Coal-----	1	292	
Shale, light-----	21	313	
Shale, dark-----	76	389	
Sandstone-----	117	506	T.D. 835 ft

Well 11/ 8W-13N1

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	28	28	
Pennsylvanian system:			
Middle series:			
Sandstone-----	27	55	
Shale-----	25	80	
Coal-----	3	83	
Shale, light-----	6	89	
Sandstone-----	26	115	W.B.

Well 11/ 8W-13P1

Type of record: Driller's log. Altitude: About 610 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	24	24	
Hardpan-----	15	39	

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

Well 11/ 8W-13P1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Sandstone-----	21	60	
Shale, sandy-----	16	76	
Shale, sandy, blue-----	74	150	
Sandstone, white-----	45	195	W.B.

Well 11/ 8W-14B2			
Type of record: Driller's log.		Altitude: About 608 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	3	3	
Clay-----	9	12	
Sand and gravel-----	9	21	
Pennsylvanian system:			
Middle series:			
Sandstone-----	26	47	W.B.
Coal-----	2	49	
Shale, sandy-----	8	57	
Shale-----	19	76	
Shale, black-----	4	80	
Shale, light-----	3	83	
Shale, sandy-----	7	90	
Sandstone-----	6	96	W.B.
Shale-----	4	100	
Coal-----	2	102	
Underclay-----	2	104	
Sandstone-----	6	110	
Shale, sandy-----	8	118	
Sandstone-----	62	180	
Shale-----	23	203	
Coal-----	1	204	
Shale, sandy-----	6	210	
Sandstone-----	13	223	
Shale-----	18	241	
Coal-----	.5	241.5	
Underclay-----	1.5	243	
Shale-----	15	258	
Sandstone-----	15	273	
Lower (?) series:			
Shale-----	3	276	
Coal-----	1	277	
Underclay-----	3	280	
Shale, sandy-----	17	297	
Shale-----	10	307	
Coal-----	1.5	308.5	
Underclay-----	1.5	310	
Sandstone-----	4	314	

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

Well 11/ 8W-15E2--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, gray-----	3	23	
Shale, sandy-----	25	48	
Sandstone-----	6	54	
Shale, sandy-----	7	61	
Sandstone-----	13	74	
Coal-----	2.5	76.5	
Bottoms-----	3.5	80	
Shale, sandy, dark-----	7	87	
Shale, blue-----	11	98	
Slate, black-----	6	104	
Fire clay-----	4	108	
Shale, sandy-----	7	115	
Coal-----	1.5	116.5	
Fire clay-----	1.5	118	
Shale, gray-----	14	132	
Sandstone-----	13	145	W.B.
Shale, gray-----	1	146	
Sandstone-----	14	160	
Shale, white-----	6	166	
Sandstone and shale-----	14	180	

Well 11/ 8W-15G1			
Type of record:	Driller's log.	Altitude:	About 544 feet.
Quaternary system:			
Recent and Pleistocene series:			
Sand and gravel-----	36	36	
Pennsylvanian system:			
Middle series:			
Coal-----	3	39	
Shale-----	42	81	
Shale, sandy-----	20	101	
Sandstone-----	24	125	W.B.
Shale, dark-----	45	170	
Shale, gray-----	60	230	
Lower (?) series:			
Shale, dark-----	18	248	
Coal-----	2	250	
Shale, sandy-----	32	282	
Limestone-----	2	284	
Sandstone-----	6	290	
Shale, dark-----	46	336	
Sandstone-----	60	396	T.D. 1,602 ft

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

Well 11/ 8W-15J1

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

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Clay-----	12	12	
Sand-----	8	20	
Gravel-----	2	22	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	28	50	
Sandstone-----	15	65	W.B.
Sandstone, shaly-----	15	80	
Coal-----	3	83	
Shale, dark-----	29	112	
Shale, gray-----	5	117	
Sandstone, broken-----	11	128	
Coal-----	4	132	
Shale, gray-----	10	142	
Sandstone-----	29	171	
Lower (?) series:			
Shale, gray-----	31	202	
Shale, white-----	39	241	
Shale, gray-----	21	262	
Coal-----	2	264	
Shale, light-----	21	285	
Sandstone, broken-----	20	305	
Shale, sandy, dark-----	30	335	
Shale, gray-----	20	355	T.D. 802 ft

Well 11/ 8W-15N1

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

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	14	14	
Pennsylvanian system:			
Middle series:			
Shale, blue-----	5	19	
Sandstone, soft-----	5	24	
Sandstone, pasty, light-----	46	70	
Sandstone, pasty, light-gray-----	10	80	
Coal-----	1	81	
Fire clay, hard-----	2	83	
Slate, sandy, gray-----	--	83	

Well 11/ 8W-16G1

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

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	16	16	

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

Well 11/ 8W-16G1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Sand and gravel-----	2	18	
Shale, sandy-----	14	32	Sandy clay (?)
Shale, gray-----	10	42	Clay (?)
Coal, broken, and gravel-----	3	45	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	7	52	
Slate, black-----	4	56	
Coal-----	1	57	
Fire clay-----	9	66	
Limestone-----	3	69	
Shale, gray-----	8	77	
Shale, sandy-----	10	87	
Sandstone-----	2	89	
Shale, sandy-----	7	96	
Shale, dark-----	22	118	
Coal-----	3	121	
Fire clay-----	1	122	
Shale, dark-----	7	129	
Sandstone-----	10	139	
Shale, dark-----	11	150	
Slate, black-----	5	155	
Fire clay-----	3	158	
Shale, sandy-----	12	170	
Coal-----	2.5	172.5	
Fire clay-----	7.5	180	
Sandstone-----	34	214	W.B.

Well 11/ 8W-16P1

Type of record: Driller's log.

Altitude: About 575 feet.

Quaternary system:		
Recent and Pleistocene series:		
Surface-----	15	15
Soil, sandy-----	5	20
Hardpan-----	10	30
Pennsylvanian system:		
Middle series:		
Slate, black-----	3	33
Coal-----	5	38
Fire clay-----	7	45
Shale, gray-----	45	90
Shale, sandy-----	10	100
Shale, gray-----	16	116
Coal-----	4	120
Fire clay-----	3	123
Sandstone-----	2	125

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

Well 11/ 8W-16P1--Continued

Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, gray-----	25	150	
Slate, black-----	7	157	
Fire clay-----	3	160	
Sandstone-----	32	192	
Shale, gray-----	6	198	
Coal-----	3	201	
Fire clay-----	11	212	
Sandstone-----	4	216	

Well 11/ 8W-16P3

Type of record: Driller's log.		Altitude: About 560 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	18	18	
Sand and gravel-----	4	22	
Pennsylvanian system:			
Middle series:			
Shale, light-----	12	34	
Sandstone-----	16	50	W.B.

Well 11/ 8W-16P4

Type of record: Driller's log.		Altitude: About 575 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	35	35	
Pennsylvanian system:			
Middle series:			
Slate, black-----	13	48	
Coal-----	4	52	
Fire clay-----	2	54	
Shale, light-----	21	75	
Shale, sandy-----	50	125	
Sandstone-----	5	130	
Coal-----	3	133	
Sandstone-----	12	145	
Shale, dark-----	15	160	
Slate, black-----	5	165	
Shale, light-----	--	165	

Well 11/ 8W-16P5

Type of record: Driller's log.		Altitude: About 570 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	19	19	

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

Well 11/ 8W-16P5--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	6	25	
Mud, blue-----	9	34	
Slate, black-----	8	42	
Coal-----	5	47	
Fire clay-----	11	58	
Shale, dark-----	15	73	
Shale, sandy-----	24	97	
Shale, dark-----	6	103	
Sandstone-----	8	111	
Shale, sandy, dark-----	8	119	
Shale, gray-----	9	128	
Coal-----	2	130	
Fire clay-----	3	133	
Shale, dark-----	23	156	
Slate, black-----	7	163	
Limestone, white-----	2	165	
Fire clay-----	2	167	
Shale, sandy-----	9	176	
Shale, dark-----	8	184	
Coal-----	3	187	
Fire clay-----	4	191	
Sandstone-----	1	192	
Sandstone, white-----	40	232	W.B.

Well 11/ 8W-16Q1

Type of record: Driller's log.

Altitude: About 565 feet.

Quaternary system:			
Recent and Pleistocene series:			
Open well-----	16	16	
Hardpan-----	22	38	
Pennsylvanian system:			
Middle series:			
Sandstone-----	62	100	
Coal-----	2	102	
Sandstone-----	8	110	
Shale, blue-----	25	135	
Sandstone-----	11	146	
Shale, dark-----	2	148	

Well 11/ 8W-16Q6

Type of record: Driller's log.

Altitude: About 560 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	15	15	
Sand-----	6	21	

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

Well 11/ 8W-1606--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Shale, sandy-----	7	28	Sandy clay (?)
Shale, gray-----	2	30	Clay (?)
Sand and gravel-----	9	39	
Pennsylvanian system:			
Middle series:			
Limestone-----	1.5	40.5	
Shale, light-gray-----	24.5	65	
Shale, dark-gray-----	18	83	
Shale, sandy-----	7	90	
Shale, gray-----	3	93	
Shale, dark-----	1	94	
Coal-----	1	95	
Shale, dark-----	6	101	
Sandstone, dark-----	3	104	
Shale, blue-----	12	116	
Shale, dark-----	4	120	
Limestone-----	1.5	121.5	
Slate, black-----	2.5	124	
Coal-----	2	126	
Fire clay-----	2.5	128.5	
Sandstone-----	2	130.5	
Shale, gray-----	12.5	143	
Shale, dark-----	1	144	
Coal-----	.5	144.5	
Shale, gray-----	5.5	150	
Sandstone, dark-----	4	154	
Sandstone, light-gray-----	43	197	W.B.
Shale, gray-----	3	200	
Sandstone, gray-----	4	204	
Shale, gray-----	1	205	

Well 11/ 8W-16R1

Type of record: Driller's log.

Altitude: About 565 feet.

Quaternary system:			
Recent and Pleistocene series:			
Surface-----	17	17	
Hardpan-----	15	32	
Pennsylvanian system:			
Middle series:			
Sandstone-----	4	36	
Shale, light-----	16	52	
Shale, sandy-----	4	56	
Sandstone-----	41	97	
Shale, blue-----	39	136	
Shale, light-----	4	140	
Sandstone-----	5	145	

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

Well 11/ 8W-16R1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, light-----	5	150	
Shale, dark-----	4	154	
Coal-----	2	156	
Shale, light-----	9	165	
Sandstone-----	6	171	W.B.

Well 11/ 8W-16R3			
Type of record: Driller's log.		Altitude: About 565 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	20	20	
Sand, gravel, and sandy shale----	15	35	Sand, gravel, and sandy clay (?)
Pennsylvanian system:			
Middle series:			
Sandstone-----	5	40	
Shale, gray-----	7	47	
Sandstone-----	51	98	
Coal-----	2	100	
Fire clay-----	5	105	
Shale, blue-----	19	124	
Slate, black-----	5	129	
Fire clay-----	3	132	
Sandstone-----	2	134	
Shale, gray-----	10	144	
Coal-----	1.5	145.5	
Fire clay-----	7.5	153	
Sandstone-----	38	191	W.B.

Well 11/ 8W-17A1			
Type of record: Driller's log.		Altitude: About 560 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	20	20	
Pennsylvanian system:			
Middle series:			
Shale, soft, gray-----	15	35	
Shale, light-----	10	45	
Limestone-----	4	49	
Slate, black-----	11	60	
Coal-----	5	65	
Shale, light-----	20	85	
Slate, black-----	5	90	
Coal-----	3	93	
Shale, light-----	32	125	

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

Well 11/ 8W-17N1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Slate, black-----	7	158	
Coal-----	2	160	
Fire clay-----	1	161	
Sandstone-----	14	175	
Coal-----	5	180	
Fire clay-----	1	181	
Coal-----	1	182	
Sandstone-----	2	184	

Well 11/ 8W-18R1			
Type of record: Driller's log.		Altitude: About 560 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	19	19	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	13	32	
Shale, gray-----	22.5	54.5	
Coal-----	1.5	56	
Fire clay-----	2	58	
Shale, gray-----	12	70	
Limestone-----	4.5	74.5	
Slate, black-----	2.5	77	
Coal-----	3.5	80.5	
Fire clay-----	1.5	82	
Sandstone-----	7	89	
Shale, gray-----	48	137	
Slate, black-----	6	143	
Fire clay-----	3	146	
Shale, gray-----	8	154	
Shale, sandy-----	5	159	
Sandstone-----	3	162	
Shale, sandy-----	24	186	
Slate, black-----	3	189	
Shale, dark-----	15	204	
Slate, black-----	4	208	
Limestone-----	2	210	
Shale, sandy-----	8	218	
Sandstone-----	4	222	
Shale, gray-----	3	225	
Coal-----	2.5	227.5	
Bottoms-----	1	228.5	
Sandstone-----	39.5	268	W. B.

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

		Well 11/ 8W-19B2		
Type of record: Driller's log.		Altitude: About 550 feet.		
Material	Thick- ness (feet)	Depth (feet)	Remarks	
Quaternary system:				
Recent and Pleistocene series:				
Surface-----	19	19		
Hardpan-----	13	32		
Pennsylvanian system:				
Middle series:				
Shale, light-----	20	52		
Shale, dark-----	3	55		
Coal-----	2	57		
Shale-----	13	70		
Limestone, black-----	10	80		
Slate, black-----	7	87		
Coal-----	3	90		
Fire clay-----	2	92		
Shale, gray-----	3	95		
Sandstone-----	5	100		
Shale, light-----	10	110		
Shale, dark-----	35	145		
Slate-----	8	153		
Coal-----	3	156		
Shale, gray-----	24	180		
Sandstone-----	5	185		
Shale, gray-----	30	215		
Slate, black-----	8	223		
Coal-----	2	225		
Sandstone-----	8	233		
Coal-----	2	235		
Sandstone-----	35	270	W.B.	

		Well 11/ 8W-20C1		
Type of record: Driller's log.		Altitude: About 560 feet.		
Quaternary system:				
Recent and Pleistocene series:				
Surface-----	16	16		
Sand-----	3	19		
Pennsylvanian system:				
Middle series:				
Shale, sandy-----	29.5	48.5		
Coal-----	1.5	50		
Limestone-----	5.5	55.5		
Shale, gray-----	6.5	62		
Sandstone-----	9	71		
Limestone-----	1	72		
Slate, black-----	6.5	78.5		
Coal-----	2.5	81		
Fire clay-----	3	84		
Shale, gray-----	39	123		
Slate, black-----	3	126		
Fire clay-----	2	128		

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

Well 11/ 8W-20C1--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Pennsylvanian system:			
Middle series:			
Shale, gray-----	21	149	
Limestone-----	2	151	
Shale, gray-----	12	163	
Coal-----	3.5	166.5	
Fire clay-----	1	167.5	
Shale, dark-----	26.5	194	
Slate, black-----	5	199	
Fire clay-----	4	203	
Sandstone-----	5	208	
Shale, light-----	6	214	
Coal-----	2.5	216.5	
Shale, hard-----	1	217.5	
Sandstone-----	7.5	225	
Shale, gray-----	4	229	
Shale, sandy-----	9	238	
Shale, gray-----	4	242	
Sandstone-----	30	272	W.B.
Shale, gray-----	4	276	
Well 11/ 8W-20Q1			
Type of record: Driller's log.		Altitude: About 570 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	14	14	
Hardpan-----	17	31	
Pennsylvanian system:			
Middle series:			
Coal-----	1	32	
Fire clay-----	4	36	
Shale, gray-----	29	65	
Sandstone-----	1	66	
Slate, black-----	1	67	
Fire clay-----	2	69	
Shale, sandy, gray-----	10	79	
Limestone-----	7	86	
Shale, sandy, light-gray-----	19	105	
Shale, boots, gray-----	2	107	
Shale, sandy, gray-----	29	136	
Sandstone, gray-----	3	139	
Shale, sandy, gray-----	9	148	
Rock, light-gray-----	38	186	W.B.; Sandstone (?)
Coal, trace-----	--	186	
Shale, gray-----	2	188	

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

Well 11/ 8W-20R1

Type of record: Driller's log.

Altitude: About 570 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface; yellow clay-----	23	23	
Pennsylvanian system:			
Middle series:			
Shelf rock, brown-----	.5	23.5	Limestone (?)
Coal-----	4	27.5	
Fire clay, light-----	3.5	31	
Shale, light-gray-----	37	68	
Slate-----	4	72	
Shale, light-gray-----	9	81	
Limestone-----	6	87	
Shale, sandy, gray-----	19	106	
Sandstone, white-----	21	127	
Shale, sandy, gray-----	33	160	
Sandstone, white-----	23	183	W.B.

Well 11/ 8W-21A8

Type of record: Driller's log.

Altitude: About 565 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	19	19	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	8	27	
Shale, sandy-----	5	32	
Shale, gray-----	5	37	
Shale, sandy-----	13	50	
Sandstone-----	51	101	
Coal-----	2.5	103.5	
Fire clay-----	1.5	105	
Shale, sandy-----	3	108	
Shale, blue-----	21	129	
Slate, black-----	6	135	
Fire clay-----	2	137	
Shale, gray-----	4	141	
Shale, sandy-----	9	150	
Shale, gray-----	3	153	
Coal-----	3	156	
Fire clay-----	10	166	
Sandstone-----	45	211	W.B.
Shale, gray-----	1	212	

Well 11/ 8W-21A10

Type of record: Driller's log.

Altitude: About 510 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Top soil-----	14	14	

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

Well 11/ 8W-21A10--Continued			
Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Hardpan-----	4	18	
Sand-----	7	25	
Pennsylvanian system:			
Middle series:			
Shale, dark-gray-----	5	30	
Shale, sandy-----	26	56	
Sandstone, gray-----	7	63	W.B.
Shale, sandy, gray-----	38	101	
Coal-----	2	103	
Shale, dark-gray-----	22	125	
Slate, black-----	5	130	
Coal-----	2	132	
Fire clay-----	2	134	
Shale, gray-----	5	139	
Shale, sandy, gray-----	9	148	
Shale, dark-gray-----	9	157	
Shale, soft, light-gray-----	11	168	
Sandstone, gray-----	7	175	
Sandstone, white-----	29	204	W.B.

Well 11/ 8W-21B3			
Type of record: Driller's log.		Altitude: About 565 feet.	
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	17	17	
Pennsylvanian system:			
Middle series:			
Shale, sandy-----	7	24	
Shale, gray-----	15	39	
Sandstone-----	4	43	
Shale, sandy-----	13	56	
Sandstone-----	48	104	
Coal, soft-----	1	105	
Shale, gray-----	9	114	
Shale, blue-----	12	126	
Slate, black-----	6	132	
Fire clay-----	3	135	
Shale, sandy-----	8	143	
Shale, dark-----	8.5	151.5	
Coal-----	3	154.5	
Fire clay-----	10.5	165	
Sandstone-----	42	207	W.B.

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

Well 11/ 8W-21H1

Type of record: Driller's log.

Altitude: About 565 feet.

Material	Thick- ness (feet)	Depth (feet)	Remarks
Quaternary system:			
Recent and Pleistocene series:			
Surface-----	14	14	
Sand-----	5	19	
Pennsylvanian system:			
Middle series:			
Shale, gray-----	19	38	
Sandstone-----	4	42	
Shale, gray-----	15	57	
Sandstone-----	23	80	
Shale, dark-----	15	95	
Sandstone-----	5	100	
Limestone-----	5	105	
Shale, dark-----	3	108	
Coal-----	2	110	
Fire clay-----	4	114	
Shale, dark-----	21	135	
Shale, light-----	27	162	
Sandstone-----	34	196	W.B.

Well 11/ 8W-21R1

Type of record: Driller's log.

Altitude: About 580 feet.

Quaternary system:			
Recent and Pleistocene series:			
Clay-----	25	25	
Pennsylvanian system:			
Middle series:			
Slate, yellow-----	50	75	
Slate, blue-----	10	85	
Slate, light-----	5	90	
Shale, light-----	25	115	
Sandstone-----	10	125	
Shale, dark-----	13	138	
Coal-----	4	142	
Shale, light-----	30	172	
Sandstone-----	40	212	W.B.
Lower (?) series:			
Coal-----	4	216	
Shale, light-----	4	220	
Shale, dark-----	10	230	
Shale, black-----	5	235	
Coal-----	5	240	
Fire clay-----	5	245	
Shale, light-----	35	280	
Shale, dark-----	20	300	
Shale, gray-----	65	365	
Sandstone-----	35	400	W.B.; T.D. 1,802 ft