

Data Base for Deep Wells in Indiana

By PEGGY A. BASSETT and BRIAN D. KEITH

DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY OCCASIONAL PAPER 46

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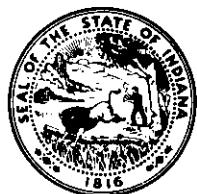
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Illustration

Plate 1 Map of Indiana showing locations of wells in deep-well data base	In pocket
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Data Base for Deep Wells in Indiana

By PEGGY A. BASSETT and BRIAN D. KEITH

Introduction

A part of this data base was originally compiled during research on the Trenton Limestone by Brian D. Keith. Because of increased interest by the petroleum industry in deeper subsurface units in Indiana, we have expanded the data base and made it available by publication.

This data base is a part of the computerized subsurface file of the Petroleum Section of the Indiana Geological Survey. The data base in the Petroleum Section contains pertinent information from all known records associated with petroleum-related wells in Indiana. This deep-well data base includes only wells that have penetrated the Black River Group or deeper stratigraphic units in Indiana. We intend to update the deep-well data base once a year. This updated data base will be available from the Geological Survey as an annual addendum to this report.

Wells in the Data Base

The 758 wells in this data base are wells that meet the penetration requirement and that have samples and (or) some type of geophysical log in the Petroleum Section. Wells that have only a driller's log and (or) a scout ticket have not been included because we cannot verify the formation tops from samples or logs. There are 411 wells in this latter category.

Information in the Data Base

PERMIT NUMBER

The primary identification for wells in the data base is the permit number, which is a unique five-digit identifying number assigned to each petroleum-related well in Indiana. Each new operation or change of classification of a well is assigned a new permit number. If multiple permit numbers have been assigned to a single well, only the most recently assigned permit number is listed in

the data base. Certain wells do not have permit numbers, either because they predate the permit system or because they are not petroleum-related wells (such as Indiana Geological Survey core holes). These wells have been assigned a unique six-digit number within the Petroleum Section data base that serves as a permit number.

The only exceptions to the unique number system are four wells in Dearborn County that were drilled under a single-county stratigraphic-test permit that gave all four wells the same permit number. However, the locations for these wells are all different, which should prevent confusion.

OPERATOR-FARM

Both the name of the operator and the farm name have been shortened or abbreviated to conserve space in the listing, but wells can still be identified without difficulty. The unique permit number can be used to distinguish multiple wells drilled by the same operator on the same farm. The well number used by the operator is also shown.

COUNTY

County names have been truncated to a maximum of six characters. The truncated and full names are shown in table 1. County names that have not been truncated are not listed in table 1.

WELL LOCATIONS

Only the section, township, and range for wells are listed. The quarter-section location and actual footage for a given well can be obtained directly from the records in the public files of the Petroleum Section.

MAP

Plate 1 is a map of Indiana showing the locations of all wells in the data base except for wells in certain areas where the well

Table 1. County names abbreviated in the data base

Abbreviation	County	Abbreviation	County
Bartho	Bartholomew	Jennin	Jennings
Blackf	Blackford	Johnso	Johnson
Carrol	Carroll	Kosciu	Kosciusko
Clinto	Clinton	Lagran	Lagrange
Crawfo	Crawford	Laport	LaPorte
Dearbo	Dearborn	Lawren	Lawrence
Decatu	Decatur	Madiso	Madison
Delawa	Delaware	Marsha	Marshall
Elkhar	Elkhart	Montgo	Montgomery
Fayett	Fayette	Pulask	Pulaski
Founta	Fountain	Randol	Randolph
Frankl	Franklin	St.Jos	St. Joseph
Hamilt	Hamilton	Steube	Steuben
Hancoc	Hancock	Sulliv	Sullivan
Harris	Harrison	Switze	Switzerland
Hendri	Hendricks	Tippec	Tippecanoe
Huntin	Huntington	Vermil	Vermillion
Jackso	Jackson	Washin	Washington
Jeffer	Jefferson	Whitle	Whitley

density is very high (generally greater than one well per section). Each well in the data base has a separate line number, which is plotted on the map.

ELEVATIONS OF WELLS

Ground-level elevations for all wells in the data base are listed. The kelly bushing (KB) elevation is listed for all wells for which it was used to calculate formation tops relative to sea level. In 1977 the Petroleum Section adopted the convention of using the KB elevation only when it was 7 feet or more above the ground elevation. For some gas-storage wells the KB was the datum for samples only and the ground elevation was the datum for geophysical logs. The elevations of all formation tops in the data base were calculated by using the appropriate datum.

FORMATION TOPS

The term "formation" is applied in a nonrigorous sense in the data base of the Petroleum Section to subsurface units ranging in rank from larger than system (for example, all Precambrian wells) to actual formations. These nonrigorous names fall into two

categories. Some names exactly parallel formal stratigraphic units but are terms that either are informal (such as Devonian limestone for Muscatatuck Group) or have been outdated by formal stratigraphic revision (such as Cincinnati for Maquoketa Group). Other names may be only partly parallel to a formal unit, for example, Chazy, which is nearly parallel with the Ancell Group in northern Indiana but is only a variable amount of the lower part of the Ancell Group in southern Indiana. These names are retained in the data base of the Petroleum Section for two reasons: (1) As old terms they are familiar to, and used by, visitors to the Petroleum Section who do not use the formal stratigraphy, and (2) it is impractical to change a unit name on the thousands of pieces of information that make up the raw-data file of the Petroleum Section. Abbreviations used in the data base for total-depth (TD) formation and formation tops are shown in table 2.

Tops of Devonian limestone, the Trenton Limestone, the Eau Claire Formation, and the Mount Simon Sandstone were picked by using geophysical logs if they were available. But if

Table 2. Abbreviations used in the data base for total-depth (TD) formation and formation tops

Abbreviation	Data-base term	Formal stratigraphic equivalent
Devl	Devonian limestone	Muscatatuck Group
Genev	Geneva	Geneva Dolomite Member of the Jeffersonville Limestone
Sil	Silurian	Silurian (undifferentiated)
Lexing	Lexington	Lexington Limestone
Cin	Cincinnatian	Maquoketa Group
Tren	Trenton	Trenton Limestone
Black	Black River	Black River Group
Chazy	Chazyan	Ancell Group
Knox	Knox	Knox Dolomite
Eau Cl	Eau Claire	Eau Claire Formation
Ironto	Ironton	Ironton Sandstone
Mount	Mount Simon	Mount Simon Sandstone
Precam	Precambrian	Precambrian System

logs were not available for a well, then sample tops were used. As a last resort, driller's-log tops for the Trenton were used if geophysical logs were not available and sample skips prevented using the samples to pick the Trenton top. This use of a driller's log was made because the Trenton top represents a distinct lithologic break from the overlying thick shale sequence (Maquoketa Group) to the carbonate rocks of the Trenton that is easy for drillers to recognize. Tops for the Knox Dolomite were picked by using the gamma-ray curve in the Unionport area of Randolph County as a result of the detailed study by Keller and Abdulkareem (1980). All other tops were picked from samples only.

For each formation top, both the depth and the value relative to sea level are listed. Some formation tops above the total depth

are not listed for certain wells. These tops were not picked for one of several reasons, including (1) a sample skip greater than 10 feet in thickness at the contact, (2) absence of the unit (as can be true for the Geneva Dolomite Member of the Jeffersonville Limestone), or (3) lack of lithologic distinction between units (for example, in places where both the Trenton and the Black River are dolomitized). For all wells, only tops that are Devonian limestone or older are listed.

Literature Cited

Keller, S. J., and Abdulkareem, T. F.

1980 - Post-Knox unconformity — Significance at Unionport gas-storage project and relationship to petroleum exploration in Indiana: Indiana Geol. Survey Occasional Paper 31, 19 p.

DATA BASE FOR DEEP WELLS IN INDIANA
[as of October 1983]

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION			DEPTH-SUBSEA ELEVATIONS										
				GL	KB	TD	TD FORM	DEV LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
1	41471 HODGE WARNER #12-1	ADAMS	12 25N 13E	824	—	2226	KNOX			225	1012	1210	1480				
2	34097 MITCHELL, INC. WAGLEY #28-34	ADAMS	34 25N 13E	851	859	1870	KNOX			599	-188	-386	-656				
3	01930 MCKEE GLENDENING #1	ADAMS	35 25N 13E	845	—	2510	EAU CL			235	1024	1203	1598				
4	03190 SEIP GLENDENING #2	ADAMS	35 25N 13E	847	—	2271	DAVIS			624	-165	-344	-739				
5	29483 LOWRY SPENCER #1	ADAMS	36 25N 13E	844	—	2280	DAVIS			220	995	1184	1515				
6	41188 VANLEUR ARMSTRONG #1	ADAMS	35 25N 14E	840	—	1645	KNOX			624	-151	-340	-671				
7	37904 F AND M OIL CO. SIEPE #1	ADAMS	19 26N 15E	824	—	1765	KNOX			200	1020	1250					
8	30113 JONES JONES #2	ADAMS	30 26N 15E	814	—	1805	KNOX			640	-180	-410					
9	41648 ELCOEX INC. ZANDER #1	ADAMS	03 28N 14E	833	—	1962	KNOX			300	1093	1262	1530				
10	41811 ELCOEX, INC. HOFFMAN #1	ADAMS	03 28N 14E	831	—	2046	KNOX			524	-269	-438	-706				
11	26692 SLAGTER PROD. COMER #1	ALLEN	14 29N 11E	824	—	1523	BLACK				1086	1273	1625				
12	05012 TECUMSEH OIL GIBSON #1	ALLEN	33 29N 12E	822	—	3517	PRECAM			510	1235	1417	1671	2580	3071	3476	
13	31927 NIPSCO LEUENBERGER #1	ALLEN	14 29N 14E	797	—	3672	PRECAM			312	-413	-595	-849	-1758	-2249	-2654	
14	26801 SLAGTER PROD. BOHNKE #1	ALLEN	22 29N 14E	814	—	1605	BLACK			596	1348	1545	1830	2670	3127	3484	
15	13903 WEBSTER, ET AL HARROLD #1	ALLEN	36 30N 11E	754	—	1471	BLACK			201	-551	-748	-1033	-1873	-2330	-2687	
16	32174 INDIANA DRILLING BANDELIER #1	ALLEN	17 30N 14E	789	—	2048	KNOX			638	1384	1577					
17	30256 HORIZON OIL INC HOFFMAN #1-H	ALLEN	32 30N 14E	797	—	1638	BLACK			176	-570	-763					
18	30230 HORIZON OIL INC GIANT #1-H	ALLEN	36 30N 14E	777	—	1640	BLACK			560	1265	1455					
19	23440 PARKER ASHBAUGH #1	ALLEN	05 31N 11E	851	—	3501	MOUNT			194	-511	-701					
20	26563 INDIANA FARM BUR. BLUME #1	ALLEN	02 31N 13E	798	—	1758	BLACK			1466	1698	1967					
21	26101 INDIANA FARM BUR. SNYDER #1	ALLEN	10 31N 13E	790	—	1817	BLACK			637	-677	-909	-1178				
22	26475 INDIANA FARM BUR. BUHR #1	ALLEN	11 31N 13E	790	—	2065	KNOX			95	160	702	1435	1833			
23	26536 INDIANA FARM BUR. BLUME #1	ALLEN	11 31N 13E	795	—	1764	BLACK			563	-638	-836					
24	24212 NIPSCO SMITH #1	ALLEN	15 32N 11E	844	—	2218	KNOX			527	127	-747	-936				
25	28523 WEBSTER ROGERS #1	ALLEN	24 32N 11E	839	—	1881	BLACK			291	837	1523	1711	1952	2835	3339	
26	27573 WEBSTER RUDERMAN #1	ALLEN	19 32N 12E	839	—	1890	BLACK			563	14	-672	-860	-1101	-1984	-2488	
27	24856 NIPSCO WAKELAND #1	ALLEN	33 32N 12E	856	—	3571	MOUNT			295	940	1620	1820	2105			
28	26614 TURNER GRABER #1	ALLEN	26 32N 13E	815	—	2050	BLACK			549	-96	-776	-976	-1261			
29	26716 TURNER HOLLOPETER #1	ALLEN	26 32N 14E	760	—	1830	BLACK			290	906	1588	1789				
										549	-67	-749	-950				
										335	939	1628	1828				
										504	-100	-789	-989				
										334	904	1602	1798	2091	2872	3349	
										522	-48	-746	-942	-1235	-2016	-2493	
										315	959	1695	1932				
										500	-144	-880	-1117				
										270	848	1589	1799				
										490	-88	-829	-1039				

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS											
				GL	KB			DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT	PRECAM
30	29572	PROF. PET. EXP. WITTMER #1	ALLEN	30	32N 14E	796	—	2261	KNOX	189 607	307 489		1672 -876	1894 -1098	2200 -1404				
31	26721	TURNER FOOTE, ET AL #1	ALLEN	29	32N 15E	742	—	1850	BLACK		190 552	759 -17		1516 -774	1722 -980				
32	05373	WATERBURY LEE #1	BARTHO	24	8N 5E	641	—	1608	CHAZYA	140 501	198 443	214 427	331 310	1020 -379	1114 -473				
33	100073	HAW CREEK OIL FISHEL #1	BARTHO	15	10N 7E	770	—	1476	CHAZYA		40 730	65 705	135 635	880 -110	980 -210				
34	24463	CONTINENTAL OIL CONNER #1	BENTON	19	24N 6W	709	—	1568	CHAZYA	332 377	349 380	870 -161		1172 -463	1341 -632				
35	01000	THOMAS FOWLER #1	BENTON	27	25N 9W	792	—	1750	CHAZYA	449 343	487 305	1005 213		1288 -496	1490 -698				
36	42054	POWELL PROD. LIGHT #1-6	BLACKF	06	22N 10E	862	—	3167	MOUNT					885 -23		3016 -2154			
37	41410	CASTERLINE CASTERLINE #1	BLACKF	25	24N 10E	885	—	3505	MOUNT					963 -78	1128 -243	1447 -562	2479 -1594	3014 -2129	
38	00361	JONES SIMONTON #1	BLACKF	15	24N 11E	876	—	1632	KNOX					994 -118		1587 -711			
39	00224	REED CALE #1	BLACKF	20	24N 11E	892	—	3302	MOUNT					300 592	988 -96	1168 -276	1494 -602	2488 -1596	3021 -2129
40	37131	BRETT MCGAMMON #9-B	BLACKF	20	24N 11E	891	—	1890	KNOX					995 -104					
41	22343	C. C. AND W. DEV. CALE #1	BLACKF	21	24N 11E	890	—	1541	KNOX					309 581	1009 -119	1179 -289	1506 -616		
42	34096	MITCHELL INC JOHNSON #16D-27	BLACKF	27	24N 11E	883	892	2395	EAU CL					964 -72	1135 -243	1464 -572	2270 -1378		
43	13808	CRESCENT OIL CO BROWN #1	BLACKF	06	24N 12E	903.	—	1361	BLACK					1016 -113	1196 -293				
44	18752	WILKEY WURSTER #1	BOONE	10	19N 2E	954	—	1583	KNOX					211 743	602 352	1063 -109	1222 -268	1555 -601	
45	18646	WILKEY BOYER #1	BOONE	15	19N 2E	949	—	2240	KNOX						1058 -109	1214 -265	1565 -616		
46	00792	SMITH MARSHALL #1	BOONE	34	19N 2E	916	—	1825	KNOX					282 634	558 358	1048 -132	1198 -282	1556 -640	
47	19026	CARTER CARTER #1	BROWN	28	8N 3E	581	—	1925	KNOX	363 218	495 86	685 -104		1300 -719	1430 -849	1920 -1339			
48	11655	HIATT HIATT #1	BROWN	33	10N 3E	756	—	1511	BLACK	478 278	560 196	603 153	780 -24		1341 -585	1466 -710			
49	24884	CONTINENTAL OIL KIRKPATRICK #1	CARROL	35	25N 1E	741	—	1480	KNOX					518 223	949 208	1121 -709	1450 -709		
50	31217	PARLOCK SMALL #1	CASS	30	26N 3E	768	—	1250	BLACK					546 222	1028 -260	1200 -432			
51	23044	NIPSCO SHAFFER #2	CASS	06	28N 1E	743	—	1382	KNOX						935 -192				
52	23406	NIPSCO HAZELBY #2	CASS	06	28N 1E	730	—	1373	KNOX					550 180	922 -192	1105 -375	1355 -625		
53	23454	NIPSCO SHAFFER #7	CASS	06	28N 1E	745	—	1360	CHAZYA						934 -189				
54	24974	NIPSCO SHAFFER #4	CASS	06	28N 1E	747	—	1377	KNOX						938 -191		1369 -622		
55	25427	NIPSCO HASELBY #4	CASS	06	28N 1E	739	—	1382	KNOX						943 -204		1370 -631		
56	25428	NIPSCO SOMMERS #2 (S-19)	CASS	06	28N 1E	740	—	1376	KNOX						934 -194				
57	25685	NIPSCO HAZELBY #5	CASS	06	28N 1E	736	—	1369	KNOX						936 -200		1361 -625		
58	25732	NIPSCO SHAFFER #3	CASS	06	28N 1E	745	—	1374	KNOX					550 195	920 -175	1115 -370	1360 -615		

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION			DEPTH-SUBSEA ELEVATIONS											
				GL	KB	TD	TD FORM	DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
59	25814 NIPSCO SHAFER #2	CASS	06 28N 1E	744	—	1380	KNOX							931	1348			
60	25815 NIPSCO SHAFER #5	CASS	06 28N 1E	745	—	1386	KNOX							940				
61	28294 NIPSCO HASELBY #11	CASS	06 28N 1E	734	—	1412	KNOX							930				
62	29260 NIPSCO BURTON #2	CASS	06 28N 1E	746	—	1370	KNOX							946				
63	29261 NIPSCO BURTON #3	CASS	06 28N 1E	745	—	1401	KNOX							957	1394			
64	32067 NIPSCO BURTON #1	CASS	06 28N 1E	732	—	3138	MOUNT							600	983		2298	2883
									132					-251			-1566	-2151
65	33166 NIPSCO SHAFER #6	CASS	06 28N 1E	742	—	1374	CHAZYA							934				
66	33167 NIPSCO BURTON #1	CASS	06 28N 1E	751	—	1395	CHAZYA							600	946	1131		
									151					-195			-380	
67	33168 NIPSCO HASELBY #3	CASS	06 28N 1E	740	—	1380	CHAZYA							936				
														-196				
68	33169 NIPSCO SOMMERS #1	CASS	06 28N 1E	736	—	1380	KNOX							934		1375		
														-198			-639	
69	25731 NIPSCO JOHNSON #1 (S-14)	CASS	07 28N 1E	750	—	1378	KNOX							932		1363		
														-182			-613	
70	37266 NIPSCO JOHNSON #5	CASS	07 28N 1E	747	—	1422	KNOX							952				
														-205				
71	21998 NIPSCO BRUCE #1	CASS	17 28N 1E	750	—	1548	KNOX							700	1095		1533	
									50					-345			-783	
72	22299 NIPSCO HOUSE #1	CASS	01 28N 1W	739	—	2227	EAU CL							550	938	1100	1365	2184
									189					-199			-626	-1445
73	22998 NIPSCO HOUSE #3	CASS	01 28N 1W	741	—	1384	KNOX							943				
														-202				
74	23582 NIPSCO RANNELLS #1	CASS	01 28N 1W	746	—	1368	CHAZYA							946				
														-200				
75	31834 NIPSCO HOUSE #5	CASS	01 28N 1W	746	—	1565	KNOX							936		1371		
														-190			-625	
76	33165 NIPSCO HOUSE #2	CASS	01 28N 1W	737	—	1380	CHAZYA							938				
														-201				
77	36189 NIPSCO HOUSE #3	CASS	01 28N 1W	739	—	3035	MOUNT							935		1110	1367	2180
														-196			-628	2041
78	31093 NIPSCO WEBBER #1	CASS	04 28N 1W	725	—	1458	KNOX							575	963	1138	1402	
														150	-238	-413	-677	
79	30813 NIPSCO SCOTT #1	CASS	08 28N 1W	712	—	1144	BLACK							622	940			
														90			-228	
80	28103 NIPSCO BECKLEY #1	CASS	09 28N 1W	718	—	1372	KNOX							585	940		1115	
														133			-222	
81	22297 NIPSCO SKINNER #1	CASS	10 28N 1W	721	—	2251	EAU CL							582	943	1117	1373	2218
														139	-222	-396	-652	-1497
82	22168 NIPSCO MORPHET #1	CASS	11 28N 1W	738	—	1386	KNOX							565	935	1118	1380	
														173			-197	
83	26489 NIPSCO CROW #1	CASS	11 28N 1W	734	—	1377	KNOX							542	935	1110	1363	
														192			-201	
84	28506 NIPSCO CROW-KITZLER #2	CASS	11 28N 1W	728	—	1403	KNOX							918				
														-190				
85	23075 NIPSCO JOHNSON #2	CASS	12 28N 1W	738	—	1388	KNOX							555	935	1130	1360	
														183			-197	
86	23404 NIPSCO HOUSE #1	CASS	12 28N 1W	731	—	1373	KNOX							928		1364		
														-197			-633	
87	23789 NIPSCO JOHNSON #4	CASS	12 28N 1W	740	—	1390	KNOX							937		1373		
														-197			-633	

DATA BASE FOR DEEP WELLS IN INDIANA

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS										
				GL	KB			DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
88	27528 NIPSCO JOHNSON #7	CASS	12 28N 1W	738	—	1400	KNOX					934		1108	1364			
89	28385 NIPSCO JOHNSON #8	CASS	12 28N 1W	735	—	1417	KNOX					-198		1108	1364	-626		
90	28392 NIPSCO HOUSE #2	CASS	12 28N 1W	730	—	1399	KNOX			558		921		1108	1368			
91	28395 NIPSCO BOOZE #4	CASS	12 28N 1W	731	—	1400	KNOX			172		-191		1108	1368	-638		
92	32937 NIPSCO DODT #WD-128-K	CASS	12 28N 1W	730	—	1832	KNOX			617		998		1180	1475			
93	33677 NIPSCO JOHNSON #0-85	CASS	12 28N 1W	737	751	3040	MOUNT			113		268		1180	1475		2193	2789
94	23681 NIPSCO PHILLIPS #1	CASS	13 28N 1W	734	—	1388	KNOX			565		935		1120	1385		-1456	-2052
95	23449 NIPSCO HIATT #1	CASS	14 28N 1W	734	—	1382	KNOX			169		-201		1120	1385	-651		
96	27001 NIPSCO WILDERMUTH #1	CASS	14 28N 1W	731	—	1381	KNOX			184		550		927	1110	1370		
97	28393 NIPSCO FULTZ #1	CASS	14 28N 1W	732	—	1408	KNOX					915		1110	1370			
98	29411 NIPSCO CONN #1	CASS	14 28N 1W	732	746	3010	MOUNT			196		-184		1110	1366			
99	37766 NIPSCO BRIDGES #8-37	CASS	14 28N 1W	724	—	1369	KNOX			166		558		917	1110	1356		
100	37767 NIPSCO BRIDGES #8-65	CASS	14 28N 1W	723	—	1384	KNOX			193		920		1100	1380		2184	2786
101	26999 NIPSCO SHAFER #1	CASS	15 28N 1W	725	—	1382	KNOX			161		564		927	1144	1378		
102	30290 NIPSCO ULFERS #1	CASS	16 28N 1W	717	—	1445	KNOX					161		202	-419	-653		
103	30499 NIPSCO MCVAY #1	CASS	16 28N 1W	715	—	1441	KNOX					941		1110	1390			
104	29339 NIPSCO FINNELL #1	CASS	17 28N 1W	711	725	3091	MOUNT					193		925	1100	1365		
105	30879 NIPSCO ROWE #1	CASS	17 28N 1W	718	—	1114	BLACK					580		939	1144	1378		
106	22177 NIPSCO SCHMALTZ #1	CASS	21 28N 1W	708	—	1389	KNOX					138		-221	-419	-653		
107	32252 NIPSCO SCHMALTZ #2	CASS	21 28N 1W	718	—	3300	MOUNT					563		930	1108	1365		
108	24990 NIPSCO FANSLER #1	CASS	22 28N 1W	721	—	1393	KNOX					145		-222	-400	-657		
109	26387 NIPSCO NIPSCO #5-24	CASS	23 28N 1W	736	—	1118	BLACK							1017	1110	1365		
110	22176 NIPSCO MILLER #1	CASS	24 28N 1W	748	—	1525	KNOX					299		925	1160	1382		
111	08569 CLARK CO OIL MCCLELLAN #1	CLARK	GR195 1N	8E	592	—	1547	KNOX				35		1065	1255	1505		
112	11036 STOLL WATERS #1	CLARK	07 1N	9E	673	—	1400	BLACK				557		830	959	1528		
113	11691 RUSS OIL STEWART #B-2	CLARK	18 1N	10E	491	—	1384	KNOX				460		-367	132	1505		
114	15198 PATTON MARTAIN #1	CLARK	01 1S	5E	600	—	1918	KNOX				133		-44	644	1905		
115	16042 PATTON HEYWOOD #2	CLARK	02 1S	5E	550	—	1601	BLACK				177		110	-85	-755		
116	15798 PATTON HEYWOOD #1	CLARK	11 1S	5E	603	—	1675	BLACK				180		113	-84	-747		

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL #	COUNTY	LOCATION	ELEVATION			DEPTH-SUBSEA ELEVATIONS												
				GL	KB	TD	TD FORM	DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT	PRECAM
117	00543	SMITH SCHUBNELL #1	CLARK	GR165	1S	6E	495	—	1747	KNOX	101 394		1011 -516	1100	1643				
118	06095	LOUISVILLE CEMENT LOUISVILLE CEMENT #1	CLARK	GR131	1S	7E	465	—	1806	KNOX		225 240	862 -397	987	1447 -522				
119	11742	RUSS OIL GARRIOTT #1	CLARK	GR53	1S	7E	569	—	1550	KNOX	18 551	68 501	215 354	866 -297	992	1515 -423			
120	27634	INDIANA GAS ROSS #1	CLARK	GR93	1S	7E	482	—	1608	KNOX			147 335	808 -326	942	1479 -460			
121	29919	INDIANA GAS COUCH #1	CLARK	GR113	1S	7E	542	—	1499	KNOX				845 -303	977	1444 -435			
122	30857	INDIANA GAS GARVEY #4	CLARK	GR92	1S	7E	547	—	1492	KNOX		55 492	200 347	838 -291	970	1435 -423			
123	31678	INDIANA GAS OGLESBY #1-S-3	CLARK	GR113	1S	7E	518	—	1650	KNOX		64 454	211 307	866 -350	990	1472 -472			
124	32255	INDIANA GAS GARVEY #7-S-9	CLARK	GR92	1S	7E	530	—	1501	KNOX		35 495	187 343	820 -290	955	1440 -425			
125	32301	INDIANA GAS COUCH #5-S-10	CLARK	GR113	1S	7E	514	—	1501	KNOX		50 464	210 304	828 -314	960	1480 -446			
126	32794	INDIANA GAS COUCH #6-S-11	CLARK	GR113	1S	7E	548	—	1528	KNOX		55 483	210 338	856 -308	990	1488 -442			
127	32815	INDIANA GAS GARVEY #8-S-12	CLARK	GR92	1S	7E	541	—	1535	KNOX		58 483	200 341	840 -299	980	1508 -439			
128	33195	INDIANA GAS SCHLOSSER #4-S-13	CLARK	GR92	1S	7E	538	—	1401	BLACK		48 490	189 349	833 -295	958 -420				
129	33331	INDIANA GAS SCHLOSSER #5-S-14	CLARK	GR92	1S	7E	518	—	1468	KNOX		41 477	177 341	827 -309	960	1460 -442			
130	33486	INDIANA GAS FRIEND #3-S-15	CLARK	GR92	1S	7E	529	—	1564	KNOX		49 480	196 333	856 -327	985	1517 -456			
131	33687	INDIANA GAS NABB #9-S-16	CLARK	GR92	1S	7E	546	—	1220	BLACK		60 486	198 348	848 -302	980				
132	33858	INDIANA GAS COUCH #2-S-5	CLARK	GR113	1S	7E	543	—	1525	KNOX		40 503	190 353	850 -307	1020	1480 -477			
133	33871	INDIANA GAS NABB #6-S-8	CLARK	GR93	1S	7E	523	—	1522	KNOX		34 489	176 347	817 -294	949	1400 -426			
134	33872	INDIANA GAS SCHLOSSER #3-S-7	CLARK	GR92	1S	7E	527	—	1569	KNOX		45 482	185 342	830 -303	960	1519 -433			
135	03614	REAGAN LUTHER #1	CLAY	19	10N	6W	570	—	3200	CHAZYA	1549 -979	1668 -1098	1686 -1116	2233 -1663	2555 -1985	2712 -2142			
136	42099	BUTTERCUP ENERGY PENSINGER #1	CLAY	32	10N	6W	595	—	6751	MOUNT	1564 -969	1680 -1085	1705 -1110	2235 -1640	2560 -1965	2715 -2120	3230 -2635	5258 -4663	6222 -5627
137	18900	SCHEETS FISHER #1	CLINTO	07	20N	1E	897	—	1625	CHAZYA			683 214	1118 -221	1278 -381				
138	24883	CONTINENTAL OIL PERREL #1	CLINTO	36	22N	1E	900	—	1603	KNOX			597 303	1074 -174	1238 -338	1594 -694			
139	11480	ROGGENKAMP SMITH #1	CRAWFO	11	2S	2W	546	—	2740	BLACK	1457 -911	1580 -1034	2006 -1460	2588 -2042	2621 -2075				
140	32638	ATKINS GRAY #2	CRAWFO	09	3S	1W	811	—	3025	BLACK	1700 -889	1800 -989	2190 -1379	2770 -1959	2780 -1969				
141	00190	MIDWEST DEV KEIFNER #1	DAVIES	02	2N	5W	510	—	3129	BLACK	1812 -1302	2040 -1530	2569 -2059	2979 -2469	3119 -2609				
142	27811	EASTERN U. S. OIL WALLACE #1	DAVIES	01	5N	5W	609	—	2849	BLACK	1600 -991	1750 -1141	2298 -1689	2678 -2069	2818 -2209				
143	01954	CENTRAL U. S. OIL BOBRINK #1	DEARBO	15	5N	1W	483	—	867	KNOX					340 143	854 -371			
144	02700	SEEVERS BRUCE #1	DEARBO	23	5N	2W	480	—	595	BLACK				140 340	352 128				
145	31933	O NEAL ASHBY #1	DEARBO	35	5N	2W	473	—	950	KNOX				130 343	345 128	930 -457			

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS											
				GL	KB			DEV	LS	GENEV	SIL	CIM	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT	PRECAM
146	02390	CENTRAL U.S. OIL JOHNSON #1	DEARBORO	36	5N	2W	492	—	435	BLACK			128	365					
												364		127					
147	19487	LYNN CLARK #1	DEARBORO	10	6N	1W	802	—	1640	KNOX			463	690	1212				
												339		112	-410				
148	08388	REGIONAL DEV. FOX #1	DEARBORO	26	6N	1W	510	—	2415	KNOX				390	905				
													120	-395					
149	113644	DEARBORN DEV. HORNBACK #1	DEARBORO	11	6N	2W	905	—	2020	KNOX				805	1352				
												100	-447						
150	222886	CENTURY REALTY ACKERMAN #D13A-2716	DEARBORO	03	7N	1W	905	—	821	BLACK			740	813					
												165		92					
151	222886	CENTURY REALTY STONE #D10A-2720	DEARBORO	11	7N	1W	798	—	695	BLACK			615	686					
												183		112					
152	222886	CENTURY REALTY MCQUEEN #1-2788	DEARBORO	12	7N	1W	572	—	486	BLACK			361	452					
												211		120					
153	222886	CENTURY REALTY DARE #1-2702	DEARBORO	13	7N	1W	604	—	498	BLACK			402	490					
												202		114					
154	38443	SEEVERS, INC. SEEVERS, INC. #1	DEARBORO	33	7N	2W	920	—	1067	BLACK			790	865					
												130		55					
155	37046	BAXTER RICHARDSON #1	DECATUR	34	9N	8E	787	—	1060	BLACK				894					
												-107							
156	36869	INDIANA GAS RAMER #74	DECATUR	12	9N	9E	903	—	1589	KNOX				870	960	1450			
												33		-57	-547				
157	35473	BRETT SMILEY #1	DECATUR	10	10N	8E	843	—	1000	BLACK			35	864	955				
												808	95	-21	-112				
158	35671	BRETT SMILEY #15	DECATUR	10	10N	8E	834	—	982	BLACK				866					
													32						
159	35128	SHAWNEE OIL BRADEN #1	DECATUR	11	10N	8E	862	—	1672	KNOX			110	875	981	1455			
												752	-13	-119	-593				
160	35472	BRETT MEYRS #14	DECATUR	11	10N	8E	844	—	1000	BLACK			40	866	960				
												804	100	-22	-116				
161	35124	SHAWNEE OIL MEYER #1	DECATUR	14	10N	8E	832	—	1630	KNOX			90	854	963	1435			
												742	-22	-131	-603				
162	35470	BRETT SMILEY #5	DECATUR	14	10N	8E	831	—	982	BLACK			91	859	960				
												740	-28	-129					
163	35471	BRETT SMILEY #13	DECATUR	14	10N	8E	828	—	980	BLACK				858					
													-30						
164	35122	SHAWNEE MIERS #2	DECATUR	15	10N	8E	832	—	1690	KNOX			110	874	977	1450			
												722	-42	-145	-618				
165	35670	BRETT TEMPLTON #1	DECATUR	15	10N	8E	839	—	1610	KNOX			40	871	970	1440			
												799	100	-32	-131	-601			
166	35123	SHAWNEE OIL JOHNSON #1	DECATUR	22	10N	8E	822	—	1030	BLACK				866	968				
													44		-146				
167	35406	BRETT KIRTMAN #4	DECATUR	23	10N	8E	818	—	980	BLACK			105	856	955				
												713	-38	-137					
168	35213	SHAWNEE OIL CALENDER #1	DECATUR	24	10N	8E	858	—	1095	BLACK				876	971				
													-18	-113					
169	104954	DECATUR OIL CO. CLARK #---	DECATUR	23	10N	10E	996	—	3055	KNOX				910					
													66						
170	104975	IND. GEOL. SUR. NEWPOINT #SDH-124	DECATUR	08	10N	11E	942	—	949	BLACK				864	933				
													78	9					
171	29547	GULF OIL CORP. OSBORN #1	DECATUR	33	12N	11E	1048	1061	1775	KNOX			135	975	1054	1529			
												926	86	7	-468				
172	31126	CARMAX IND. SLIGER #1	DEKALB	17	34N	12E	945	—	2251	BLACK	553	700	1370	2035	2249				
											392	245	-425	-1090	-1304				
173	22120	RUNYAN SWARTZ & LUMM #1	DEKALB	22	34N	13E	881	—	2514	KNOX	483	622	1298	1991	2202	2470			
											398	259	-417	-1110	-1321	-1589			
174	40517	SOUTHERN ILL. INLOW #1	DEKALB	34	34N	13E	883	—	2361	BLACK	431	565	1254	1944	2158				
											452	318	-371	-1061	-1275				

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION			DEPTH-SUBSEA ELEVATIONS											
				GL	KB	TD	TD FORM	DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL.	MOUNT
175	17765 FERRUM OIL CO. GRAMLING #1	DEKALB	04 35N 13E	1009	—	2604	BLACK	713		895	1607		2284	2514				
						296		114		598			-1275	-1505				
176	100226 DEKALB-STEUBEN OIL MILKS #1	DEKALB	05 35N 13E	995	—	2960	KNOX	698		888	1635		2327	2850				
						297		107		640			-1332	-1855				
177	08853 ROMER EXP. DILLEY #1	DEKALB	06 35N 13E	987	—	2555	BLACK	678					2280	2497				
						309							-1293	-1510				
178	27866 NORTH AMER. DRLG. CONRAD #1	DEKALB	11 35N 13E	970	983	2832	KNOX	690		873	1605		2307	2540	2772			
						293		110		622			-1324	-1557	-1789			
179	24008 WARREN RIEKE #1	DEKALB	30 35N 14E	915	—	2491	BLACK	599		780	1470		2173	2392				
						316		135		555			-1258	-1477				
180	17421 BALDWIN BURKHART #1	DEKALB	05 35N 15E	908	—	2551	BLACK	597		781	1556		2296	2523				
						311		127		648			-1388	-1615				
181	14506 LECKLITNER SWINGLEY #1	DELAWA	11 20N 11E	991	—	1300	BLACK						970					
													21					
182	14652 VAN BUREN OIL CO. HOOBER #1	DELAWA	24 19N 10E	1054	—	1302	BLACK						971	1110				
													83	-56				
183	42637 FARRAR OIL CO. HARRIS #1	DELAWA	14 19N 11E	1044	—	2100	KNOX						1100	1312	1774			
													-56	268	-730			
184	29511 HARRIS NEWMAN #1	DELAWA	07 20N 9E	912	—	1431	KNOX						909	1064	1367			
													3	-152	-455			
185	14443 RYAN OIL CO. KEESLING #1	DELAWA	28 20N 10E	953	—	1250	BLACK						219	913	1063			
													734	40	-110			
186	13346 HANLIN MURRELL #1	DELAWA	02 20N 11E	984	—	1242	BLACK						964	1093				
													20	-109				
187	29143 MURRAY & WIGNER COY #1	DELAWA	02 20N 11E	979	—	1775	KNOX						204	950	1100	1437		
													775	29	-121	-458		
188	13650 DAVIS MACDONALD #1	DELAWA	04 20N 11E	987	—	1229	BLACK						948	1091				
													39	-104				
189	15754 MOORE & BAGGETT MARTIN #1	DELAWA	09 20N 11E	982	—	1263	BLACK						914					
													68					
190	15125 MOORE & BAGGETT STOWE & CHLOE #1	DELAWA	10 20N 11E	985	—	1216	BLACK						235	924	1061			
													750	61	-76			
191	32168 BAGGETT & MOORE JONES #2	DELAWA	10 20N 11E	996	—	1259	BLACK						942					
													54					
192	42394 CARDINAL EXPLOR. DRAGO #1	DELAWA	10 20N 11E	1001	—	1237	BLACK						947					
													54					
193	42458 KERN KERN #3	DELAWA	10 20N 11E	992	—	1210	BLACK						929					
													63					
194	13618 HARRIS OIL HARRIS #1	DELAWA	11 20N 11E	1006	—	1287	BLACK						280	970	1110			
													726	36	-104			
195	02481 WEILDER LEEKKA #1	DELAWA	13 20N 11E	1025	—	1290	BLACK						225	950	1128			
													800	75	-103			
196	02572 WEILDER LEEKKA #2	DELAWA	13 20N 11E	1012	—	1760	KNOX						947	1086	1342			
													65	-74	-330			
197	13818 LECKLITNER JONES #1	DELAWA	13 20N 11E	1029	—	1310	BLACK						1000					
													29					
198	15569 DILLMAN DRILLING LEEKKA #1	DELAWA	13 20N 11E	1020	—	1237	BLACK						950					
													70					
199	13821 EASTER HUFFMAN #1	DELAWA	15 20N 11E	1011	—	1244	BLACK						968	1101				
													43	-90				
200	15448 MOORE & BAGGETT NOEK ET AL #1	DELAWA	15 20N 11E	1005	—	1274	BLACK						964					
													41					
201	13791 STONE KEESLING #1	DELAWA	18 20N 11E	975	—	1218	BLACK						191	918	1058			
													784	57	-84			
202	16759 BAGGETT LADURON #1	DELAWA	18 20N 11E	970	—	2505	EAU CL						169	890	1025	1299	2489	
													801	80	-55	-329	-1519	
203	35676 KEESLING KEESLING #2	DELAWA	18 20N 11E	976	—	1227	BLACK						923					
													53					

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS									
				GL	KB			DEV LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
204	13627 UNGER AUTHER #1	DELAWA	23 20N 11E	1019	—	1395	BLACK							966			
														53			
205	15190 SINNOCK DUDLEY #1	DELAWA	23 20N 11E	1001	—	1246	BLACK							959			
														42			
206	23107 ARTHUR ARTHUR #2	DELAWA	23 20N 11E	1026	—	1265	BLACK			237	789			982	1118		
														44	-92		
207	13765 UNGER LEEKA #1	DELAWA	24 20N 11E	1014	—	1273	BLACK							973			
														41			
208	14228 SINNOCK WATSON #1	DELAWA	24 20N 11E	996	—	1218	BLACK			180	816			942	1080		
														54	-84		
209	39016 BAGGETT JACKSON #3	DELAWA	24 20N 11E	1006	—	1683	KNOX							930		1300	
														76	-294		
210	14748 DEL-OIL DEVELOP. CLINE #1	DELAWA	26 20N 11E	1000	—	1224	BLACK			180	820			939	1068		
														61	-68		
211	43127 RAYBURN SMOOT #1	DELAWA	28 20N 11E	999	—	1212	BLACK			190	809			937	1065		
														62	-66		
212	13961 WORTH LAMB #1	DELAWA	34 20N 11E	994	—	1215	BLACK			185	809			954	1079		
														40	-85		
213	14133 K-D DEVELOPMENT KEELING #1	DELAWA	19 21N 9E	900	—	1165	BLACK			210	690			870	1020		
														30	-120		
214	39577 TRENTON ENERGY TURNER #1	DELAWA	07 21N 10E	912	—	1566	KNOX							896	1058	1330	
														16	-147	-418	
215	13426 JOHNSON ET AL WINGATE #1	DELAWA	17 21N 11E	951	—	1233	BLACK			237	714			929	1100		
														22	-149		
216	43082 DELCO PETROLEUM FOWLER #82-A	DELAWA	17 21N 11E	947	—	1270	BLACK							919			
														28			
217	14238 MURVIN & STEBER STRONG #1	DELAWA	25 21N 11E	972	—	1243	BLACK			198	774			948	1091		
														24	-119		
218	40797 KING-MCANINCH SHREVE #1	DELAWA	30 21N 11E	958	—	1285	BLACK							916			
														42			
219	41460 KING-MCANINCH SHREVE #1-N	DELAWA	30 21N 11E	958	—	1257	BLACK			370	588			919	1048		
														39	-90		
220	41671 KING-MCANINCH SHREVE #2	DELAWA	30 21N 11E	960	—	1280	BLACK			270	690			930	1060		
														30	-100		
221	42701 DUFF OIL CO. BROWN #1	DELAWA	30 21N 11E	954	—	2028	KNOX							938	1080	1406	
														16	-126	-452	
222	35890 HOTTINGER HOTTINGER #2	DELAWA	36 21N 11E	978	—	1203	BLACK							915			
														63			
223	38416 TRENTON ENERGY BROYLES #1	DELAWA	36 22N 8E	885	—	1508	KNOX			240	645			925	1085	1425	
														40	-200	-540	
224	18231 STANLEY MANN #1	DELAWA	21 22N 11E	924	—	1241	BLACK							915	1060		
														9	-136		
225	02889 TEXAS CO. LUEBBEHUSEN #1	DUBOIS	35 3S 5W	568	--	3803	BLACK	2253 -1685	2540 -1972	3168 -2620				3685	3714		
														-3117	-3146		
226	29253 COMANCHE OIL HIRE #1	ELKHAR	34 35N 7E	857	863	2517	KNOX	396 467	580 283	1160 -297				1744	1950	2145	
														881	-1087	-1282	
227	38360 CHASE OIL CORP. COACHMEN INDUST. #3	ELKHAR	03 37N 7E	826	—	2789	KNOX	660 166	870 -44	1490 -664				2075	2310	2530	
														-1249	-1484	-1704	
228	29973 GULF OIL CORP. TATE #1	FAYETT	04 13N 12E	919	—	1451	KNOX							810	865	1322	
														109	54	-403	
229	29731 GULF OIL CORP. BUNZENDAHL #1	FAYETT	20 13N 12E	825	837	1500	KNOX							792	860	1324	
														45	-23	-487	
230	29052 GULF OIL CORP. SCOTT #1	FAYETT	32 13N 13E	946	959	3955	PRECAM							896	925	1405	2964
														63	34	-446	-2005
231	18747 WEILER SCHOENFELD #1	FAYETT	21 14N 12E	941	—	1382	KNOX							809	880	1325	
														132	61	-384	
232	30547 KUBAT CALDWELL #1	FAYETT	32 15N 12E	1040	—	1487	KNOX							896	989	1432	
														144	51	-392	

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS									
				GL	KB			DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL
233	03503 CHENAULT ET AL SCHARF #1	FLOYD	28 1S 5E	727	—	2241	KNOX	619 108	693 34	900 -173	1567 -840	1623	2107				
234	10482 STOLL SCHERZINGER #1	FLOYD	16 3S 6E	450	—	1730	CHAZYA	169 281		380 70	1022 -572	1143 -693					
235	04202 ALDRIDGE-BANTA BODINE #1	FOUNTA	16 19N 8W	651	—	2417	KNOX	910 -259		988 -337	1466 -815	1766	1926	2327			
236	19587 CRAWFORD GALLOWAY #1	FOUNTA	22 20N 8W	652	—	3758	IRONTO	644 -192		921 -269	1390 -738	1675	1844	2250			
237	02915 FOUNTAIN OIL BILSAND #1	FOUNTA	22 20N 9W	532	—	2215	CHAZYA	818 -286			1397 -865	1676 -1144	1832 -1300				
238	23849 CONTINENTAL OIL KNOWLES #1	FOUNTA	32 21N 7W	648	—	2175	KNOX	721 -73		798 -150	1265 -617	1570 -922	1735 -1087	2124 -1476			
239	06821 RATCLIFF YOUNG #1	FOUNTA	23 21N 8W	565	—	1788	BLACK	636 -71		752 -187	1190 -625	1482 -917	1660 -1095				
240	23844 CONTINENTAL OIL SIMS #1	FOUNTA	29 22N 6W	698	—	1907	KNOX	518 180		569 129	1007 -309	1330 -632	1493 -795	1969 -1171			
241	13097 CARTER OIL CO. VESTER #1	FOUNTA	33 22N 7W	520	—	1626	BLACK	454 66		522 -2	1015 -495	1320 -800	1485 -965				
242	42613 FARRAR OIL CO. LOSEKAMP FARMS #1	FRANKL	09 8N 1W	986	—	1804	KNOX				840 146		912 74	1434 -448			
243	25996 FISHER FISHER #1	FRANKL	10 10N 11E	950	—	920	BLACK					874 76	913 37				
244	29101 GULF OIL CORP. LAMPING #1	FRANKL	29 11N 12E	747	759	3470	MOUNT					720 39	760 -1	1254 -495	2931 -2172	3386 -2627	
245	29100 GULF OIL CORP. LOHREY #1	FRANKL	03 11N 13E	706	717	3336	MOUNT					637 80	670 47	1147 -430	2786 -2069	3237 -2520	
246	29232 GULF OIL CORP. DENNY #1	FRANKL	08 12N 12E	948	959	1594	KNOX				58 901	949 10	1000 -41	1472 -513			
247	07048 FRANKLIN COUNTY FRANKLIN COUNTY #1	FRANKL	36 12N 12E	675	—	783	BLACK					645 30	693 -18				
248	33678 NIPSCO BURNS #1	FULTON	16 29N 1E	774	—	3175	MOUNT				708 66	1032 -258	1205 -431	1455 -681	2281 -1507	2870 -2096	
249	29391 NIPSCO MORPHET #1	FULTON	17 29N 1E	758	—	3023	MOUNT				630 128	1010 -252	1200 -442	1440 -682	2258 -1500	2852 -2094	
250	22247 NIPSCO DAILEY #1	FULTON	19 29N 1E	738	—	1428	KNOX				605 133	965 -227	1165 -427	1405 -667			
251	33674 NIPSCO TODD #O-121	FULTON	19 29N 1E	735	—	3150	MOUNT				643 92	987 -252	1170 -435	1410 -675	2242 -1507	2838 -2103	
252	27589 NIPSCO HENDRICKSON #1	FULTON	20 29N 1E	747	—	1428	KNOX					987 -240					
253	31615 NIPSCO SOMMERS #2	FULTON	20 29N 1E	740	—	3000	MOUNT				615 125	959 -219	1155 -415	1380 -640	2192 -1452	2797 -2057	
254	33680 NIPSCO SOMMERS #O-44	FULTON	20 29N 1E	739	745	1408	KNOX				610 135	968 -223	1165 -423	1405 -640			
255	32424 NIPSCO SADLER #1	FULTON	21 29N 1E	751	—	3200	MOUNT				714 37	1080 -329	1254 -503	1500 -749	2384 -1633	2968 -2217	
256	36190 NIPSCO VANMETER #O-127	FULTON	21 29N 1E	742	—	3038	MOUNT				595 147	975 -233	1195 -453	1421 -679	2196 -1454	2803 -2061	
257	22095 NIPSCO SOMMERS #1	FULTON	29 29N 1E	750	—	1456	KNOX				605 45	1005 -255					
258	28291 NIPSCO THOMAS #2	FULTON	29 29N 1E	747	758	1411	KNOX				572 186	933 -186	1125 -367	1380 -622			
259	28358 NIPSCO SOMMERS #2	FULTON	29 29N 1E	743	—	1418	KNOX				580 163	980 -237	1160 -417	1390 -647			
260	31737 NIPSCO THOMAS #4	FULTON	29 29N 1E	754	—	3130	MOUNT				951 -197	1132 -378	1390 -620	2177 -1436	2176 -2035	2774 -2020	
261	31864 NIPSCO THOMAS #2	FULTON	29 29N 1E	741	755	3115	MOUNT				613 142	959 -204	1128 -373	1375 -620	2177 -1436	2776 -2035	

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION			DEPTH-SUBSEA ELEVATIONS											
				GL	KB	TD	TD FORM	DEV LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT	PRECAM
262	32960 NIPSCO SOMMERS #3	FULTON	29 29N 1E	743	—	3125	MOUNT			600	993	1197	1435	2222	2812			
										143	-250	-454	-992	-1479	-2069			
263	33171 NIPSCO THOMAS #1	FULTON	29 29N 1E	739	744	1400	KNOX			560	947	1134	1382					
										184	-208	-390	-638					
264	33670 NIPSCO THOMAS #S-134	FULTON	29 29N 1E	746	—	3090	MOUNT				939			2176	2771			
											-193			-1430	-2025			
265	33671 NIPSCO THOMAS #O-124	FULTON	29 29N 1E	746	—	3117	MOUNT			578	950	1175	1402	2180	2771			
										168	-204	-429	-656	-1434	-2025			
266	33675 NIPSCO SOMMERS #1	FULTON	29 29N 1E	738	—	3110	MOUNT			618	953		2175	2782				
										120	-215		-1437	-2044				
267	36855 NIPSCO THOMAS #S-140	FULTON	29 29N 1E	745	—	3130	MOUNT			595	964	1140	1403	2166	2770			
										150	-219	-395	-658	-1421	-2025			
268	37762 NIPSCO THOMAS #S-146	FULTON	29 29N 1E	738	750	3090	MOUNT				953			2182	2781			
											-203			-1444	-2043			
269	37783 NIPSCO THOMAS #S-147	FULTON	29 29N 1E	743	756	3068	MOUNT				956			2175	2782			
											-200			-1432	-2039			
270	41131 NIPSCO THOMAS #S-53	FULTON	29 29N 1E	748	—	1396	KNOX				937		1366					
											-189		-618					
271	29412 NIPSCO PFEIL #1	FULTON	30 29N 1E	749	763	3061	MOUNT			612	946	1153	1398	2180	2779			
										151	-197	-390	-635	-1431	-2030			
272	30680 NIPSCO PFEIL #2	FULTON	30 29N 1E	748	—	2844	MOUNT				948			2183	2782			
											-200			-1435	-2034			
273	30661 NIPSCO PFEIL #3	FULTON	30 29N 1E	749	—	2770	EAU CL				952			2188				
											-203			-1439				
274	30939 NIPSCO PFEIL #4	FULTON	30 29N 1E	749	763	2618	EAU CL				949			2184				
											-200			-1435				
275	33676 NIPSCO DAILY #2	FULTON	30 29N 1E	739	—	3053	MOUNT			560	948	1155	1385	2185	2791			
										179	-209	-416	-646	-1466	-2052			
276	36117 NIPSCO DAILY #1	FULTON	30 29N 1E	740	—	1421	KNOX			575	945	1133	1369					
										165	-205	-393	-623					
277	36606 NIPSCO HASELBY #S-141	FULTON	30 29N 1E	741	—	3022	MOUNT				945			2179	2775			
											-204			-1438	-2034			
278	36807 NIPSCO DAILY #S-142	FULTON	30 29N 1E	739	—	3045	MOUNT				942			2186	2783			
											-203			-1447	-2044			
279	23517 NIPSCO LEFFEL #2	FULTON	31 29N 1E	745	—	1381	KNOX			575	952	1130	1370					
										170	-207	-385	-625					
280	23520 NIPSCO HENDEE #1	FULTON	31 29N 1E	746	—	1395	KNOX				555	940		1375				
											191	-194		-629				
281	26878 NIPSCO HASELBY #6	FULTON	31 29N 1E	749	761	1411	KNOX			590	953	1131	1380					
										171	-204	-370	-619					
282	26880 NIPSCO HASELBY #7	FULTON	31 29N 1E	746	—	1402	KNOX				954			1347				
											-208			-601				
283	26881 NIPSCO SOMMERS #3	FULTON	31 29N 1E	744	756	1399	KNOX			570	945	1122	1371					
										186	-189	-366	-615					
284	28134 NIPSCO HIATT #3	FULTON	31 29N 1E	749	—	1414	KNOX				936							
											-187							
285	28195 NIPSCO HASELBY #9	FULTON	31 29N 1E	743	—	1422	KNOX				941							
											-198							
286	31128 NIPSCO THOMAS #1	FULTON	31 29N 1E	744	—	1431	KNOX				948			1390				
											-204			-646				
287	31846 NIPSCO HASELBY #19	FULTON	31 29N 1E	746	—	3126	MOUNT			579	954	1144	1395	2185	2782			
										167	-208	-398	-649	-1439	-2036			
288	32999 NIPSCO HASELBY #20	FULTON	31 29N 1E	736	—	3100	MOUNT			580	925	1124	1390	2167	2766			
										156	-189	-388	-654	-1431	-2030			
289	33172 NIPSCO HASELBY #10	FULTON	31 29N 1E	744	—	1419	KNOX				942							
											-198							
290	33669 NIPSCO HENDEE #S-135	FULTON	31 29N 1E	746	—	3102	MOUNT				945			2177	2778			
											-199			-1431	-2032			

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS										
				GL	KB			DEV LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT	PRECAM
291	33673 NIPSCO CUNNINGHAM #S-136	FULTON	31 29N 1E	742	—	3200	MOUNT			605	944	1122	1381	2189	2791			
										137	-202	-380	-639	-1447	-2049			
292	36118 NIPSCO HENDEE #2	FULTON	31 29N 1E	745	—	1386	KNOX				947							
											-202							
293	37039 NIPSCO GETZ #S-143	FULTON	31 29N 1E	745	—	3060	MOUNT				942				2176	2777		
											-197				-1431	-2032		
294	37655 NIPSCO SCHNAPF #S-144	FULTON	31 29N 1E	745	—	3078	MOUNT								2170	2766		
															-1425	-2021		
295	21999 NIPSCO BROWN #1	FULTON	32 29N 1E	750	—	1410	KNOX				949	1120	1395					
											-199	-370	-645					
296	28312 NIPSCO PFEIL #1	FULTON	32 29N 1E	744	757	3496	MOUNT				556	925	1105	1355	2168	2767		
											201	-181	-348	-598	-1424	-2023		
297	29147 NIPSCO WEBB #2	FULTON	32 29N 1E	755	—	3158	MOUNT				685	1074	1270	1505	2408	2994		
											70	-319	-515	-750	-1653	-2238		
298	31264 NIPSCO PFEIL #6	FULTON	32 29N 1E	748	—	2996	MOUNT				550	936	1172	1370	2179	2775		
											198	-188	-424	-622	-1431	-2027		
299	31717 NIPSCO HIATT #6	FULTON	32 29N 1E	738	—	3175	MOUNT				585	973	1157	1413	2232	2823		
											153	-235	-419	-675	-1494	-2085		
300	33672 NIPSCO PHEIL #2	FULTON	32 29N 1E	750	—	4056	PRECAM				545	928	1118	1350	2170	2771	3912	
											205	-178	-368	-600	-1420	-2021	-3162	
301	37654 NIPSCO HASELBY #S-145	FULTON	32 29N 1E	749	—	3075	MOUNT								2174	2770		
															-1425	-2021		
302	24783 CONTINENTAL OIL GOHN #1	FULTON	14 30N 2E	763	—	1507	KNOX				610	1042	1467					
											153	-279	-704					
303	24059 CONTINENTAL OIL KRAFT #1	FULTON	14 31N 1E	745	—	1580	KNOX				243	705	1096	1304	1524			
											502	40	-351	-559	-779			
304	24092 CONTINENTAL OIL BURKETT #1	FULTON	12 31N 2E	886	—	1709	KNOX				336	796	1240	1442	1648			
											550	90	-354	-556	-762			
305	36684 MESSMAN PAULEY #3	GIBSON	D.79 1N 10W	529	—	5019	BLACK	3305	4245	4472	4800	4949						
								-2776	-3716	-3943	-4271	-4420						
306	02761 BROWN BINGHAM #1	GIBSON	16 1S 11W	398	—	6198	CHAZYA	3756	4380	4960	5306	5460						
								-3358	3982	-4562	-4908	-5062						
307	31989 SKILES SULLIVAN #C-2	GIBSON	12 2S 12W	391	—	5586	BLACK	3903	4510	5097	5440	5580						
								-3512	-4119	-4706	-5049	-5189						
308	03547 CONTINENTAL OIL COOPER ESTATE #1-D	GIBSON	13 3S 14W	376	—	6408	BLACK	4632	5320	5667	6176	6297						
								-4256	-4944	-5491	-5800	-5921						
309	15168 GOULD LEE #1	GRANT	06 22N 7E	888	—	1430	KNOX				339	940	1102	1382				
											549	-52	-214	-494				
310	114092 MORRIS PAYNE #1	GRANT	05 22N 8E	882	—	1118	BLACK				953	1112						
											-71	-230						
311	41288 MAPCO HAISLEY #1	GRANT	14 23N 7E	864	—	1445	KNOX				272	886	1052	1285				
											592	-32	-188	-421				
312	41363 MAPCO HEINLEIN #1	GRANT	15 23N 9E	911	—	1525	KNOX				334	954	1130	1410				
											577	-43	-219	-499				
313	41774 MAPCO VICTOR & HIMELICK #1	GRANT	17 23N 9E	832	—	1467	KNOX				898	1100	1410					
											-66	-268	-578					
314	29516 LOWRY VINNEDGE #1	GRANT	15 24N 6E	851	—	2250	DAVIS				390	950	1125	1459	2240			
											461	-99	-274	-608	-1389			
315	29558 LOWRY BARTELS #1	GRANT	33 24N 7E	859	—	2250	DAVIS				920							
											-61							
316	41604 MAPCO STAIR #1	GRANT	14 24N 8E	884	—	1485	KNOX				970	1138	1380					
											-86	-254	-496					
317	26986 S.S.S. CO. RYAN #1	GRANT	22 24N 8E	864	—	1552	KNOX				311	949	1111	1360				
											553	-85	-247	-496				
318	41467 MAPCO JOHNSON #1	GRANT	28 24N 8E	851	—	1463	KNOX				918	1087	1362					
											-67	-236	-511					
319	41383 HODGE ALLEN FARMS #15-1	GRANT	15 24N 9E	867	—	2084	KNOX				290	963	1135	1450				
											577	-96	-268	-583				

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION			DEPTH-SUBSEA ELEVATIONS												
				GL	KB	TD	TD FORM	DEV LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT	PRECAM	
320	14298	SLAGTER OLYNGER #1	GRANT	27	24N	9E	874	—	1260	BLACK	300	946	1109						
										574	-72	-235							
321	38717	ATOMIC OIL CORP BROWN #1	GRANT	13	25N	6E	830	—	1210	BLACK	348	910	1080						
										482	-80	-250							
322	06244	VAN HORN WOODMANSIE #1	GRANT	22	25N	6E	820	—	1238	BLACK	330	910	1081						
										490	-90	-261							
323	17056	COLLIN MARCUCELLI #1	GRANT	36	25N	7E	847	—	1336	CHAZYA	343	944	1115						
										504	-97	-268							
324	29079	MILLER-PIERONI LOSURE #1	GRANT	24	25N	8E	866	—	1885	KNOX	366	990	1146	1460					
										500	-124	-280	-594						
325	41287	MAPCO LOSURE FARMS #1	GRANT	25	25N	8E	864	—	1536	KNOX	954	1120	1400						
											-90	-256	-536						
326	31279	ATOMIC OIL CORP MARTIN #1	GRANT	35	25N	8E	882	—	1430	CHAZYA	380	980	1150						
										522	-96	-268							
327	31596	PATRICK PET. KIRKPATRICK #1-A	GRANT	22	25N	9E	842	—	1506	KNOX	960								
											-118								
328	36022	CITIZENS GAS ROLLISON #8	GREENE	08	6N	5W	552	568	6785	MOUNT	1545	1645	1685	2405	2730	2890	3442	6080	6654
										-977	-1077	-1117	-1837	-2162	-2322	-2874	-5512	-5086	
329	36054	LAMAE DRILLING BENHAM #2	GREENE	18	6N	5W	527	532	2945	BLACK	1587	1690	1742	2420	2776	2937			
										-1055	-1158	1210	-1888	-2244	-2405				
330	23944	CITIZENS GAS HUDSON #1	GREENE	04	7N	5W	557	560	3214	CHAZYA	1512	1631	1660	2196	2522	2669			
										-952	-1074	-1103	-1639	-1965	-2112				
331	40303	TALBOTT RESLER #1-29	GREENE	30	8N	3W	716	726	2470	BLACK	1314	1455	1494	1915	2299	2459			
										-588	-729	-768	-1189	-1573	-1733				
332	06936	WHITAKER & DYER SHARR #1	GREENE	10	8N	4W	539	—	2394	BLACK	1266	1372	1397	1840	2201	2356			
										-727	-833	-858	-1301	-1662	-1817				
333	22301	CITIZENS GAS ROWE #1	GREENE	01	8N	7W	540	545	3527	KNOX	1703		2470	2806	2968	3508			
										-1158		-1930	-2266	-2428	-2968				
334	32186	STEINMETZ STEINMETZ #1	HAMILT	33	18N	5E	818	—	1202	BLACK				875	1025				
													-57	-207					
335	01309	HAMILTON COUNTY MELSON #2	HAMILT	13	19N	3E	916	—	1550	KNOX				530	1030	1204	1520		
											386	-114	-288	-604					
336	29943	GRAY GRAY #1	HAMILT	07	19N	6E	814	—	1602	KNOX				268	863	1015	1403		
											546	-49	-201	-589					
337	28321	WILLIAMS COPELAND #1	HANCOC	29	16N	7E	900	—	1752	KNOX	185	208	368	989	1117	1458			
										715	692	532	-89	-217	-558				
338	29135	HANCOCK DEVELOP. MOORE #3	HANCOC	29	16N	7E	893	—	1541	KNOX	180	219	380	996	1131	1528			
										713	674	533	-103	-238	-635				
339	29082	WILLIAMS MOORE #2	HANCOC	32	16N	7E	893	—	1150	BLACK	198	225		1003	1135				
										695	668		-110	-242					
340	28029	KELLY: ETAL BRADDOCK #2	HANCOC	18	16N	8E	936	—	2069	KNOX	168	193	345	997	1134	1542			
										768	743	591	-61	-198	-606				
341	34467	CARRAWAY OLSON #1	HANCOC	25	17N	5E	861	—	1500	CHAZYA	185	406		986	1125				
										676	455		-125	-264					
342	29500	BLACK RIVER PET. VAIL #1	HANCOC	26	17N	5E	855	—	1531	KNOX		342	923	1068	1475				
										513	-68	-213	-620						
343	29811	HILLIGOSS CORP. HILLIGOSS CORP. #1	HANCOC	30	17N	6E	863	—	1761	KNOX	195	220	404	1000	1140	1545			
										688	643	459	-137	-277	-682				
344	10170	STOLL LEONHARDT #1	HARRIS	36	2S	4E	823	—	2032	BLACK	773	840	1060	1700	1810				
										50	-17	-237	-877	-987					
345	31656	STROUD MILES #1	HARRIS	19	3S	4E	585	—	2418	KNOX	782	857	1087	1699	1801				
										-197	-272	-502	-1114	-1216					
346	05207	HAYES GROVE #1	HARRIS	11	4S	3E	648	—	2165	BLACK	910	980	1238	1845	1942				
										-262	-332	-590	-1197	-1294					
347	02104	HARRISON DEVEL. HOLLIDAY #1	HARRIS	04	6S	4E	673	—	2000	BLACK	700	724	949	1480	1655				
										-27	-51	-276	-807	-982					
348	25818	HYASLOPE BISHOP #1	HENDRI	12	14N	1E	763	—	1972	KNOX	386	475	515	729	1219	1365	1805		
										377	288	248	34	-456	-602	-1042			

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL #	COUNTY	LOCATION	ELEVATION			DEPTH-SUBSEA ELEVATIONS														
				GL	KB	TD	TD FORM	DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT	PRECAM		
349	14455	DOME-MINICK OIL HAYWORTH #1	HENDRI	05	14N	1W	868	—	1700	BLACK	687	774	804	1080	1493	1648					
								181	94	64	-212	-625	-780								
350	00891	GRIFFIN OIL CO. HOBBS NURSERY #1	HENDRI	17	15N	2E	762	—	1400	BLACK	352	435	465	655	1160	1320					
								410	327	297	107	-398	-558								
351	30314	MORAN NUGEN #1 (ST-3)	HENRY	25	16N	10E	1081	—	1560	KNOX					915	1055	1450				
											166	-369									
352	03215	OHIO OIL CO. MAY #1	HENRY	12	16N	11E	1060	—	3664	PRECAM					869	1000	1370	2800	3318	3649	
											191	60	-310	-1740	-2258	-2589					
353	09710	FARMERS & BUS. OIL COBLE #1	HENRY	04	17N	9E	1052	—	1229	BLACK		321	731	1022	1146						
											30	-94									
354	07876	PHILLIPS HAGERMAN #1	HENRY	07	17N	10E	1036	—	1410	BLACK					960	1079					
											76	-43									
355	10369	TRENTON OIL CO. STEPHENS #1	HENRY	08	17N	10E	1057	—	1220	BLACK					959	1085					
											98	-28									
356	07825	BLUE RIVER DRLG. WINTER #1	HENRY	16	17N	10E	963	—	1535	KNOX					860	1470					
											103	-507									
357	10139	BLUE RIVER DRLG. FORT #1	HENRY	20	17N	10E	1061	—	1379	BLACK		230	631	954	1100						
											107	-39									
358	31000	HORIZON OIL INC. DRAPER #1-H	HENRY	30	17N	10E	1028	—	2090	KNOX		221	807	932	1070	1494					
											96	-42	-466								
359	13973	SINNOCK ITERMAN #1	HENRY	06	17N	11E	1083	—	1368	BLACK					960	1093					
											123	-10									
360	13974	SINNOCK MCERLROY #1	HENRY	25	18N	10E	1070	—	1301	BLACK					952	1079					
											118	-9									
361	13972	SINNOCK SINNOCK #1	HENRY	27	18N	10E	1015	—	1261	BLACK					943	1070					
											72	-55									
362	14875	VAN BURNEN OIL ELAM #1	HENRY	25	19N	10E	996	—	1235	BLACK		180	816	923	1055						
											73	-59									
363	110555	KOKOMO GAS GREENTOWN WELL #1	HOWARD	32	24N	5E	821	—	3996	PRECAM					924	1351	2345	3075	3945		
											-103	-530	-1524	-2254	-3124						
364	28947	BANNISTER KEM #1	HUNTING	01	26N	8E	814	822	1786	KNOX		375	477	984	1160	1473					
											-162	-338	-651								
365	35330	SIXBEY RALSTON #1	HUNTING	02	26N	9E	820	—	1650	KNOX					988	1155	1396				
											-168	-335	-576								
366	34442	SCOTT KING #1	HUNTING	17	26N	9E	838	—	1480	KNOX		370	468	982	1160						
											-144	-322									
367	25210	CONTINENTAL OIL DENNIS #1	HUNTING	30	29N	10E	829	834	1636	KNOX		555	279	1187	1374	1625					
											-353	-540	-791								
368	34538	WHITMER SCHNEIDER #1	JACKSO	08	4N	4E	592	—	2105	KNOX	494	547	572	790	1436	1500	2006				
											98	45	20	-198	-844	-908	-1414				
369	03284	AETNA OIL CO. TURKHORN #1	JACKSO	06	4N	5E	550	—	1503	BLACK	335	215	410	590	1250	1290					
											140	-40	-700	-740							
370	00344	SIOSI CO. ANDERSON #1	JACKSO	11	5N	2E	843	—	2475	KNOX	815	28	909	1132	1754	1843	2340				
											-66	-289	-911	-1000	-1497						
371	28253	HYDRO-CARBONS INC. MOENING #1	JACKSO	09	5N	4E	535	—	2169	KNOX	384	151	440	634	1291	1370	1870				
											95	-99	-756	-835	-1335						
372	18871	JORDAN FLEETWOOD #1	JACKSO	36	7N	2E	561	—	1945	KNOX	431	130	500	532	738	1347	1440	1925			
											61	29	-177	-786	-879	-1364					
373	24960	NIPSCO ROBINSON #1	JASPER	03	29N	5W	678	—	1321	KNOX			585	93	875	1045	1290				
											-197	-367	-612								
374	32732	NIPSCO STEWART #1	JASPER	15	29N	5W	687	—	1393	KNOX			605	82	882	1078	1323				
											-195	-391	-636								
375	32760	NIPSCO OVERMYER FARMS #1	JASPER	16	29N	5W	693	—	3195	MOUNT		23	670	576	920	1333	2164	2791			
											670	117	-227	-227	-640	-1491	-2098				
376	32904	NIPSCO ALBRECHT #1	JASPER	24	29N	5W	685	—	1097	BLACK			80	605	885	1090					
											-200	-405									
377	32591	RANDEK INC. HOFFMAN #1	JASPER	07	31N	6W	690	—	1203	BLACK			932	242	1120						
											-242	-430									

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS											
				GL	KB			DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT	PRECAM
378	29105	NIPSCO MEZYDLO #1	JASPER 06 31N 7W	673	—	3105	MOUNT				145	680	943	1126	1690	2185	2810		
379	30006	NIPSCO BOZEMAN #1	JASPER 06 31N 7W	668	—	3658	MOUNT				528	-7	-270	-453	-1017	-1512	-2137		
380	26537	JASPER COUNTY SIPKEMA #1	JASPER 21 31N 7W	668	—	1275	BLACK				60	715	931	1120					
381	03378	KORFF FORSHEY #1	JAY 13 19N 1W	1110	—	1785	KNOX				628	-27	-243	-432	1212	1345	1759		
382	43178	ORION RESOURCES CHAMP #1	JAY 02 22N 12E	969	—	1585	KNOX				223	986	1150	1515					
383	31590	GUNDERSON KNOTE #1	JAY 10 22N 12E	959	—	1508	KNOX				746	-17	-181	-546	210	970	1129	1405	
384	32422	MOSES AND STEWART SODDERS #1	JAY 22 22N 12E	950	—	1490	KNOX				749	-11	-170	-446	189	943	1109	1425	
385	00258	LARAPUAL OIL CO. LANDAUR #1	JAY 25 22N 12E	969	—	1390	KNOX				761	7	-159	-475	968	1128	1313		
386	29674	MOSES AND STEWART FRIDDLE #1	JAY 25 22N 12E	969	—	1475	KNOX				772	1	-159	-344	220	976	1125	1410	
387	30242	MOSES AND STEWART CURTS #1	JAY 25 22N 12E	965	—	1456	KNOX				745	-5	-162	-436	220	970	1127	1401	
388	31157	MOSES AND STEWART CURTS #2	JAY 25 22N 12E	969	—	1452	KNOX				739	0	-161	-391	230	969	1130	1360	
389	32724	MOSES SHRACK #1	JAY 27 22N 12E	943	—	1435	KNOX				793	26	-132	-380	150	917	1075	1323	
390	38325	PREMIER OIL LTD. WILLMAN #1	JAY 35 22N 12E	972	—	1635	KNOX				970	2	-163	-553	970	1135	1525		
391	15752	FLESHER PETERS #1	JAY 14 22N 13E	982	—	1398	KNOX				772	11	-388		219	971		1370	
392	12944	RA-JA OIL CO. ROSS #1	JAY 35 22N 13E	983	—	1415	BLACK				808	10	-140		175	973	1123		
393	02492	MUEHLHAUSEN MILLER #1	JAY 24 22N 14E	993	—	1395	BLACK					1070	1220						
394	39099	HAMILTON NUCKOLS #1	JAY 26 22N 14E	1063	—	1503	BLACK				803	-86	-242		260	1149	1305		
395	10566	RHODES PREScott #1	JAY 02 22N 15E	944	—	1405	BLACK					-100	-241		1044	1185			
396	02574	MUEHLHAUSEN HILFICKER #1	JAY 05 22N 15E	965	—	1567	KNOX				720	-89	-239	-582	245	1054	1204	1547	
397	30453	HORIZON OIL INC. SMITH #1-H	JAY 06 22N 15E	944	—	2200	KNOX					-99	-260	-611	1043	1204	1555		
398	41658	SHRACK SHRACK #2	JAY 28 23N 12E	936	—	1664	KNOX					-17	-169	-464	953	1105	1400		
399	41887	ORION RESOURCES SHRACK #3	JAY 28 23N 12E	941	—	1650	KNOX					-23	-191	-487	964	1132	1428		
400	28649	KWIS KWIS #1	JAY 03 23N 13E	896	—	1270	BLACK					-71	-224		967	1120			
401	16746	KWIS KWIS #1	JAY 17 23N 13E	890	—	1455	CHAZYA					-45	-205		225	935	1095		
402	02467	GRISELL & KWIS ANKROM #2	JAY 23 23N 13E	892	—	1312	BLACK					-45	-205		932	1100			
403	21305	CONTINENTAL OIL RESUR #1	JAY 31 23N 13E	922	—	3100	MOUNT				727	-18	-178	-458	195	940	1100	1380	
404	13892	MILLER ZORN #1	JAY 17 23N 15E	943	—	1525	KNOX				718	-115	-277	-557	225	1058	1220	1500	
405	39102	KIRBY MAY #1-26	JAY 26 23N 15E	935	942	1695	KNOX				724	-96	-248	-603	218	1038	1190	1545	
406	30701	HORIZON OIL INC. CLINE #1-H	JAY 32 23N 15E	932	—	1614	KNOX				722	-106	-267	-579	210	1038	1199	1511	
407	34102	MITCHELL INC. MILLER #90-9	JAY 09 24N 12E	899	—	1723	KNOX				629	-106	-281	-614	270	1005	1180	1513	

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS										
				GL	KB			DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
408	31518	LOWRY PYLLE #1	JAY	10	24N 13E	834	—	1523	KNOX		172	955	1140	1506				
										662	-121	-306	-672					
409	34103	MITCHELL INC. SNYDER #7D-11	JAY	11	24N 13E	847	—	1802	KNOX		200	980	1160	1490				
										647	-133	-313	-643					
410	00622	FARM BUREAU OIL BINEGAR #2	JAY	29	24N 13E	946	—	3404	PRECAM			1010	1180	1432	2423	3014	3351	
											62	-232	-484	-1475	-2066	-2403		
411	02615	FARM BUREAU OIL BINEGAR #1	JAY	29	24N 13E	949	—	3395	PRECAM		250	1021	1187	1450	2425	2998	3333	
										699	-72	-238	-501	-1476	-2049	-2384		
412	27434	RUTLEDGE RUTLEDGE #1	JEFFER	08	3N 12E	500	—	1220	KNOX		205	430	988					
										295	70	-488						
413	30408	JEFFERSON OIL NAY #2	JEFFER	22	4N 8E	693	—	2016	KNOX		110	120	185	980	990	1479		
										583	573	508	-287	-297	-786			
414	06338	BURTON GEORGE ET AL #1	JEFFER	32	4N 8E	653	—	1580	KNOX	68	114	120	180	992	1005	1565		
										585	539	533	473	-339	-352	-912		
415	19133	BAKER GEYMAN #1	JEFFER	15	4N 11E	498	—	1000	CHAZYA			274	489					
											224	9						
416	22659	GOFF MARTIN #1	JEFFER	22	4N 11E	490	—	500	BLACK		278	494						
											212	-4						
417	02387	COMISKEY OIL JOHNSON #1	JENNIN	23	5N 7E	650	—	1336	BLACK	47	90	200	1002	1014				
										603	560	450	-352	-364				
418	15500	SMART SMART #1	JENNIN	12	5N 8E	728	—	1434	BLACK	44			967	972				
										584			-239	-244				
419	21882	COMBS CORYA #1	JENNIN	24	5N 8E	716	—	1410	BLACK	46	58	125	925	965				
										670	658	591	-209	-249				
420	21342	SEYMOUR TOOL COX #1	JENNIN	31	5N 8E	597	—	1438	CHAZYA	47	49	131	930	941				
										550	548	466	-333	-344				
421	19244	CARLOCK NEWBY #1	JENNIN	08	6N 7E	602	—	1793	KNOX		125	195	933	1009	1485			
											477	407	-331	-407	-883			
422	07333	STEED, ET AL MASCHINO #1	JENNIN	29	6N 7E	590	—	1480	BLACK	92	140	175	265	1017	1050			
										498	450	415	325	-427	-460			
423	02357	OHIO VALLEY OIL WALTERMYER #1	JENNIN	12	7N 7E	702	—	1207	BLACK				909	971				
													-207	-269				
424	02067	OHIO VALLEY OIL PHILLIPS #1	JENNIN	30	7N 8E	725	—	1537	CHAZYA	60	100	141	200	953	1027			
										665	625	584	525	-228	-302			
425	31218	JEN LEY INC. GRINER #1	JENNIN	06	8N 10E	794	—	1397	KNOX				841	890	1384			
											47	-96	-590					
426	00263	WISSING ET AL WHITE #1	JOHNSO	21	11N 4E	785	—	1889	KNOX	375			1214	1798				
										410			-429	-1013				
427	105706	HASSETT LAGRANGE #1	JOHNSO	04	12N 4E	772	—	4092	EAU CL	320			1163	1740				
										452			-391	-968				
428	24525	TEXACO INC. DUNGAN #1	JOHNSO	17	12N 4E	750	—	1876	KNOX	289	378	412	560	1140	1273	1722		
										461	372	338	190	-390	-523	-972		
429	38016	CITIZENS GAS LAUTENBACH #1	JOHNSO	03	12N 5E	712	—	1136	BLACK	155	174	305	923	1055				
										557	538	407	-211	-343				
430	12116	POE & ELLIOTT GUERRETTAZ #1	KNOX	L.97	3N 10W	491	—	5470	KNOX	3167	3800	4238	4572	4740	5390			
										-2676	-3309	-3747	-4081	-4249	-4899			
431	09883	EEL RIVER OIL BLOCHER #1	KOSCIU	12	30N 6E	855	—	3295	MOUNT		717	1280	1472	1655	2570	3105		
											138	-425	-617	-800	-1715	-2250		
432	24903	TEXACO INC. ESTEP #3	KOSCIU	36	34N 5E	848	—	1750	BLACK	306	465	1036	1540	1734				
										542	383	-188	-692	-886				
433	16638	SEVENS OIL CO. PINKERTON #1	KOSCIU	10	34N 6E	833	—	1940	BLACK	324	471	1080	1598	1820				
										509	362	-247	-765	-987				
434	24820	TEXACO INC. MILLER #2	KOSCIU	19	34N 6E	832	—	1745	BLACK	310	456	1025	1544	1739				
										522	376	-193	-712	-907				
435	29112	COMANCHE OIL HELMER #1	LAGRAN	08	36N 11E	1030	1036	3080	KNOX	771	960	1685	2324	2570	2820			
										265	70	-649	-1288	-1534	-1784			
436	16136	DEVINE WINANS #1	LAGRAN	19	36N 11E	987	—	2467	BLACK	702	888	1544	2217	2435				
										285	99	-557	-1230	-1448				

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION GL KB	TD	TD FORM	DEPTH-SUBSEA ELEVATIONS										
							DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
437	18677	AMBASSADOR OIL HARTMAN #1	LAGRAN 02	37N 9E 867	—	3483	EAU CL	720	931	1550	2205	2445	2695	3478			
438	21643	NIPSCO COMPTON #1	LAKE 28	32N 8W 840	—	1348	KNOX	147	-64	-683	-1338	-1578	-1828	-2611			
439	29945	NIPSCO HAYDEN #1	LAKE 30	32N 8W 640	—	3052	MOUNT			605	886	1080	1305				
440	02573	FOX CARSTEN #1	LAKE 05	32N 9W 682	—	2438	EAU CL			35	-246	-440	-665				
441	02132	ELLIOTT LITTLE #1	LAKE 30	32N 9W 634	—	1315	CHAZYA			575	840	1030					
442	02082	BONDED OIL CO. WILLIAMS #1	LAKE 33	32N 9W 632	—	1665	KNOX			595	852	1070	1330				
443	26840	S. I. R. CORP. CORBIN-ARNOLD #1	LAKE 16	34N 7W 740	—	1370	CHAZYA	285	380	760	1045	1230					
444	07008	SEWAGE SANITATION BURGE #1	LAKE 24	35N 9W 685	—	1250	CHAZYA	455	360	-20	-305	-490					
445	100349	DOME OIL CO. IND. CENT. LAND #1	LAKE 22	36N 9W 623	—	2458	MOUNT			220	600	885	1080				
446	100351	U. S. STEEL U. S. STEEL #WD-1	LAKE 29	37N 8W 588	600	4303	MOUNT			465	85	-200	-395				
447	112830	INLAND STEEL INLAND STEEL #WD-1	LAKE 14	37N 9W 596	608	4363	PRECAM			595	805	1217	1864				
448	03727	SUPERHEATER CO. SUPERHEATER CO. #1	LAKE 32	37N 9W 586	—	1845	EAU CL			9	765	970	1200	1840			
449	29734	KINGSBURY OIL BARR #1	LAPORT 17	36N 3W 808	—	1821	KNOX	418	557	1018	1287	1534	1643				
450	26845	TEXAS GAS TRANS. OLLIIS #1-2854	LAWREN 04	4N 2E 720	—	2591	KNOX	390	251	-210	479	-726	-835				
451	10749	REGIONAL DEV. LEWIS #1	LAWREN 34	4N 2W 810	—	2555	BLACK	711	1093	1708							
452	29066	TEXAS GAS TRANS. BROWN #2614	LAWREN 20	5N 2E 791	800	6806	PRECAM	9	-373	-373	-492	-726	-835				
453	34372	COLUMBIA GAS HILL #1	LAWREN 27	5N 2E 659	668	2502	KNOX	1356	1490	1870	2392	2510					
454	34336	COLUMBIA GAS MARTIN #1	LAWREN 12	6N 1E 562	571	2500	KNOX	-546	-680	-1060	-1582	-1700					
455	23884	PAN AMERICAN HELTONVILLE #1-U	LAWREN 24	6N 1E 728	—	2465	CHAZYA	776	845	878	1145	1761	1843	2360	4706	5491	6650
456	23985	PAN AMERICAN HELTONVILLE #2	LAWREN 24	6N 1E 725	—	2381	CHAZYA	24	-45	-78	-345	-961	-1043	-1560	-3906	-4691	-5850
457	23986	PAN AMERICAN HELTONVILLE #2-U	LAWREN 24	6N 1E 727	—	2330	CHAZYA	794	915	1160	1624	1705	2215				
458	40339	GOTHARDS DRILL. LAWLER #1	MADISO 29	18N 8E 933	—	1370	KNOX	-126	-247	-492	-956	-1037	-1547				
459	00253	ANDERSON COY #1	MADISO 01	19N 6E 850	—	1541	KNOX	897	984	1061	1328	1786	1868				
460	30144	HARRIS FAUST #1	MADISO 13	19N 6E 869	—	1140	BLACK	-170	-257	-334	-601	-1059	-1141				
461	34466	CARRAWAY LAWSON #1	MADISO 24	19N 6E 869	—	1433	KNOX			284	900	1048	1369				
462	30000	HARRIS VASBINDER #1	MADISO 05	19N 7E 862	—	1183	BLACK			585	-31	-179	-500				
463	29537	HARRIS SIMMERMAN #1	MADISO 36	20N 6E 857	—	1350	KNOX			875	1025						
464	30557	HARRIS HALL #1	MADISO 29	20N 7E 868	—	1121	BLACK			817	960	1285					
465	29981	HARRIS LIKENS #1	MADISO 31	20N 7E 864	—	1312	KNOX			40	-103	-103	-1428				

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS									
				GL	KB			DEV LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
466	112643 MOBILE DRILLING MOBILE DRILLING #1	MARION	25 15N 3E	737	—	1545	KNOX	152 585	234 503	281 456	442 295	989 -252	1125 -388	1543 -806			
467	00742 EAGLE CREEK OIL ASHBY #1	MARION	26 16N 2E	734	—	1266	BLACK	196 538	286 448	316 418	503 231	1013 -279	1156 -422				
468	34500 CARRAWAY WIESE #1	MARION	22 16N 5E	854	—	1520	CHAZYA			380 474		1004 -150	1142 -288				
469	29021 BLACK RIVER PET. BRUCE #1	MARION	27 17N 5E	832	—	1125	BLACK					912 -80	1052 -220				
470	27753 HOLLINGSWORTH ZEHNER #1	MARSHA	13 32N 1E	812	—	1918	KNOX			345 467	860 -48	1260 -448	1662 -850				
471	24900 CONTINENTAL OIL KRULL #1	MARSHA	36 33N 1E	763	—	1690	KNOX	225 538	367 396	870 -107		1228 -465	1421 -658	1638 -875			
472	24272 NIPSCO BERGER #3	MARSHA	18 34N 3E	824	—	1894	KNOX	344 480	494 330	1021 -197		1449 -625	1675 -851	1850 -1026			
473	32110 NIPSCO AMES #1	MARSHA	21 34N 3E	789	—	4082	PRECAM	277 512	430 359	923 -134		1362 -573	1548 -759	1760 -971	2456 -1667	3004 -2215	3900 -3111
474	29306 NIPSCO BOLLENBACHER #1	MARSHA	29 35N 3E	822	—	1775	BLACK	425 397	590 232	1070 -248		1550 -728	1740 -918				
475	41389 SCHLENSKER DRLG GENERAL REFRACT. #1	MARTIN	27 3N 4W	707	713	3050	BLACK	1765 -1052		2466 -1753		2883 -2170	3025 -2312				
476	15370 COOPER SMITH #1	MIAMI	F.L.R. 27N 3E	633	—	1239	BLACK			398 235		874 -241	1031 -398				
477	41886 ORION RESOURCES TILLETT #4-B	MIAMI	21 27N 4E	645	—	1482	KNOX					862 -217	1258 -613				
478	41958 ORION RESOURCES BABER #1	MIAMI	21 27N 4E	644	—	1622	KNOX					866 -222					
479	43758 ENHANCED OIL SOAMES #1-A	MIAMI	28 27N 4E	647	—	1500	KNOX			368 279		870 -223	1040 -393	1280 -633			
480	41750 ORION RESOURCES MARBURGER #1	MIAMI	29 27N 4E	695	—	1540	KNOX			433 262		928 -233	1090 -395	1370 -675			
481	41795 ORION RESOURCES RICHARDSON #1	MIAMI	10 27N 5E	784	—	1601	KNOX			495 289		1026 -242	1441 -667				
482	24595 HOSTETLER DANIELS EST. #1	MIAMI	19 27N 5E	727	—	1200	BLACK					946 -219	1135 -408				
483	41959 ORION RESOURCES SMITH #1	MIAMI	11 29N 4E	862	—	1801	KNOX			753 109		1232 -370	1385 -523	1670 -808			
484	41535 ORION RESOURCES GOOD #1	MIAMI	17 29N 4E	850	—	1800	KNOX					1224 -374					
485	41361 ORION RESOURCES KOTTERMAN #1	MIAMI	32 29N 4E	843	—	1705	KNOX			700 143		1184 -341	1370 -527	1620 -777			
486	30651 VICKERY DRILL. MAYHEW #1	MIAMI	07 29N 5E	812	—	1381	BLACK			210 602	680 132	1191 -379	1365 -553				
487	00230 PARDOE UNION TRUST CO. #1	MONROE	29 8N 1E	772	—	2502	KNOX	739 33	836 -64	884 -112	1218 -446	1745 -973	1868 -1096	2373 -1601			
488	37399 TEXACO, INC. CONDOR #1	MONROE	35 8N 2W	809	—	2309	BLACK	1130 -321	1250 -441	1300 -837	1646 -1287	2096 -1420	2229				
489	38160 INDIANA GAS CO. SOLOMITO #1-7-12	MONROE	06 9N 1E	824	—	2389	KNOX	806 18	900 -76	955 -131	1218 -394	1718 -894	1843 -1019				
490	26854 INDIANA GAS FLEENER #1	MONROE	08 9N 1E	870	—	2470	KNOX	800 70	878 -8	945 -75	1221 -351	1728 -858	1852 -982	2333 -1463			
491	18050 BENEDUM TREES MILLER #1	MONROE	20 9N 1E	810	—	2371	KNOX	801 9	918 -108	958 -148	1199 -389	1710 -900	1835 -1025	2320 -1510			
492	15231 ZINK KESSLER #1	MONTGO	14 17N 3W	900	—	2131	CHAZYA	711 189	787 113	820 80	1183 -283	1528 -628	1705 -805				
493	09213 VAN HORN FOSTER ET AL #1	MONTGO	19 17N 5W	800	—	2315	CHAZYA	950 -150	1025 -225	1050 -250	1340 -540	1723 -923	1898 -1098				
494	18017 BENEDUM TREES PAYTON #1	MORGAN	15 11N 1W	580	—	2112	KNOX	577 3	653 -73	690 -110	1002 -422	1449 -869	1585 -1005	2045 -1465			

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS										
				GL	KB			DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
495	05747 POTTER HODGES #1	MORGAN	18 11N 1W	572	—	1926	BLACK	634	743	795	1063	1506	1654					
496	06110 WEDDEL FULLER #1	MORGAN	22 13N 1E	891	—	1853	BLACK	700	787	828	1034	1525	1673					
497	20860 CITIZENS GAS MARIANOS #1	MORGAN	10 13N 2E	758	—	1910	KNOX	444	549	570	750	1264	1400	1824				
498	29326 NIPSCO SONS #1	NEWTON	01 31N 8W	663	—	2960	MOUNT	314	209	188	8	-506	-642	-1066				
499	109948 NIPSCO ROSE #1	NEWTON	02 31N 8W	644	—	1472	KNOX				630	904	1092	1355	2195	2811		
500	22300 NIPSCO BOYLE #2	NEWTON	05 31N 8W	642	—	1417	KNOX				575	862	1065					
501	22610 NIPSCO KNAPP #1	NEWTON	15 31N 8W	675	—	1382	KNOX				69	218	-421					
502	30135 NIPSCO GRANT #4	NEWTON	33 32N 8W	636	—	1100	BLACK				33	-241	-429	-692	-1532	-2148		
503	29956 NIPSCO SHELHART #1	NEWTON	34 32N 8W	642	—	3021	MOUNT				32	-248	-443	-771				
504	31287 HOUSEKNECHT OIL HIATT #1	NOBLE	13 33N 9E	943	—	2180	BLACK	432	557	1092	1752	1950						
505	29053 COMANCHE OIL CO PIPPENGER #1	NOBLE	15 33N 10E	965	971	3694	MOUNT	511	386	-149	-809	-1007						
506	31135 CARMAX IND. ACKERS #1	NOBLE	21 33N 10E	961	—	2172	BLACK	441	1150	1826	2025	2238	3092	3580				
507	29072 COMANCHE OIL RHODES #1	NOBLE	27 33N 11E	879	885	2489	KNOX	530	-185	557	-855	-1054	-1267	-2121	-2609			
508	29252 COMANCHE OIL GALLAWAY #1	NOBLE	33 34N 8E	963	—	2600	KNOX	424	570	1095	1771	1980						
509	29254 COMANCHE OIL LEATHERS #1	NOBLE	09 34N 9E	888	—	2650	KNOX	537	391	-134	-810	-1019						
510	31136 CARMAX IND. YEISER #1	NOBLE	35 34N 10E	986	—	2128	BLACK	329	550	1079	1727	1940	2225					
511	29246 COMANCHE OIL MILLER #1	NOBLE	10 35N 8E	927	—	2675	KNOX	556	335	-194	-842	-1055	-1340					
512	15834 LEWIS MOODY #1	NOBLE	33 35N 8E	917	—	2201	BLACK	480	615	1170	1780	1992	2250					
513	25077 CONTINENTAL OIL MCWILLIAMS #1	NOBLE	02 35N 10E	955	—	2658	KNOX	483	348	-207	-817	-1029	-1287					
514	29096 COMANCHE OIL TYLER #1	NOBLE	21 35N 10E	946	952	2874	KNOX	458	702	1318	1923	2140	2352					
515	29369 COMANCHE OIL BARKER #1	NOBLE	10 35N 11E	989	—	3000	KNOX	404	394	225	-391	-996	-1213	-1425				
516	29015 BLACK AND BLACK HOSSINGER #1	NOBLE	20 35N 11E	986	—	2750	KNOX	458	625	1210	1840	2050	2310					
517	15590 CAMERON BARCLAY #1	ORANGE	17 1N 1E	652	—	2294	BLACK	555	825	1433	2120	2339	2603					
518	19482 HIGHLAND OIL CO. SENG #1	ORANGE	19 1S 2W	505	—	3284	KNOX	331	1308	1647	2225	2280						
519	34034 QUASAR INC. LOVE ET AL #1-C	ORANGE	30 2N 1W	500	—	2308	BLACK	485	-656	-995	-1573	-1628						
520	00235 HAYS BAKER #1-A	ORANGE	29 3N 2W	798	—	3226	CHAZYA	638	1252	1678	2230	2300						
521	02817 TEXAS CO. FISCUS #1	OWEN	02 9N 5W	680	—	2516	BLACK	1137	-638	2110	2653	2700	3275					
522	37858 CITIZENS GAS TEMPLE EASTEX #2	OWEN	02 9N 5W	670	661	2529	BLACK	1387	1448	1550	2342	2497						
523	02978 TEXAS CO. NUGENT #1	OWEN	03 9N 5W	679	—	2593	BLACK	1063	-767	-869	-1661	-1816						
								1380	1495	1530	1948	2334	2483					
								700	-815	-850	-1268	-1654	-1803					
								1387	-767	-869	-1373	-1715	-1879					
								1415	1538	1580	2052	2394	2558					
								736	-859	-901	-1373	-1715	-1879					

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION			TD	TD FORM	DEPTH-SUBSEA ELEVATIONS												
				GL	KB				DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT	PRECAM	
524	36149 CITIZENS GAS TEMPLE-EASTEX #1	OWEN	12 9N SW	598	614	2500	BLACK		1305	1405	1444	1945	2297	2456							
									-691	-791	-830	-1331	-1683	-1841							
525	06279 TEXAS CO. JEAN #1	OWEN	23 9N SW	630	—	2560	BLACK		1403	1528	1562	2000	2370	2533							
									-773	-898	-932	-1370	-1740	-1903							
526	02265 SUN OIL CO. CHAMBERS #1	OWEN	23 10N SW	712	—	3185	KNOX		1411	1524	1558	1967	2341	2503	3000						
									-699	-812	-846	-1255	-1629	-1791	-2288						
527	38716 BEARD KELLY #1	OWEN	06 11N 3W	763	—	2871	KNOX		1130	1235	1270	1620	1980	2150	2590						
									-387	-472	-507	-857	-1217	-1367	-1827						
528	11103 MICHEL RITTER #1	OWEN	35 11N 3W	703	—	2046	BLACK		964	1075	1105	1445	1815	1970							
									-261	-372	-402	-742	-1112	-1267							
529	02896 SUN OIL CO. GIBSON #1	PERRY	17 4S 1W	748	—	3534	KNOX		1754	1850	2263	2862	2867	3464							
									-1006	-1102	-1515	-2114	-2119	-2716							
530	02657 CENTRAL PIPE DELAISE #1	PERRY	25 4S 3W	846	—	3255	BLACK		1945	2070	2560	3130	3142								
									-1299	-1424	-1914	-2484	-2496								
531	24642 ULAND LEISTNER #1	PIKE	06 1S 6W	481	—	4508	CHAZYA		2421	2920	3390	3746	3905								
									-1940	-2439	-2909	-3265	-3424								
532	17019 INDIANA FARM BUR. SUBAR #1	PIKE	25 1S 9W	447	—	4665	BLACK		2996	3570	4141	4454	4604								
									-2549	-3123	-3694	-4007	-4157								
533	109287 STOLTENBERG CON INDIANA GEN. #WD-1	PORTER	16 35N 5W	774	784	4548	PRECAM		318	440	894	1131	1380	1498	2177	2762	4533				
									466	344	-110	347	-596	-714	-1346	-1978	-3749				
534	114359 PFIZER CHEMICAL PFIZER CHEMICAL #2	PORTER	16 35N 5W	774	786	4528	PRECAM					910	1138	1500	2164	2766	4510				
											-124	-352	-352	-104	-1398	-1980	-3724				
535	07874 EGELSKE EGELSKE #3	PORTER	09 36N SW	699	—	1310	BLACK					800	1051	1280							
											-101	-352	-581								
536	100338 BETHLEHEM STEEL BETHLEHEM #WD-1	PORTER	28 37N 6W	613	625	4304	PRECAM		200	256	745	958	1175	1308	1959	2536	4263				
									425	368	-120	-333	-550	-683	-1346	-1933	-3638				
537	112983 BETHLEHEM STEEL BETHLEHEM #WD-2C	PORTER	29 37N 6W	613	624	4301	PRECAM			250	729	938	1145	1355	1952	2518	4265				
										374	105	-314	-621	-731	-1328	-1894	-3641				
538	112984 BETHLEHEM STEEL BETHLEHEM #WD-1C	PORTER	30 37N 6W	613	624	3945	MOUNT			238	730	936	1150	1946	2511						
										386	-106	-312	-526	-632	-1322	-1887					
539	100341 MIDWEST STEEL MIDWEST STEEL #WD-1	PORTER	25 37N 7W	603	615	4308	PRECAM			248	695	930	1150	1345	1928	2486	4259				
										367	-80	-315	-535	-730	-1313	-1871	-3644				
540	36605 EXXON CORP. FORD-CORBIN #1	POSEY	12 4S 14W	383	398	7500	CHAZYA		4940	5680	6209	6521	6639								
									-4542	-5282	-5811	-6123	-6241								
541	113208 GENERAL ELEC GENERAL ELEC #WD-2	POSEY	19 7S 13W	395	409	7980	KNOX		4888	6020	6472	6748	6900	7877							
									4479	5611	6063	6339	6481	7468							
542	22298 NIPSCO LEFFEL #1	PULASK	25 29N 1W	737	—	2215	EAU CL				580	930	1137	1360	2195						
											157	-193	-400	-623	-1458						
543	31054 NIPSCO CARPENTER #1	PULASK	25 29N 1W	734	—	1476	KNOX				655	972	1174	1393							
											79	-238	-440	-659							
544	33682 NIPSCO HASLBY #0-46	PULASK	25 29N 1W	735	—	3029	MOUNT				602	970	1156	1410	2225	2827					
											133	-235	-421	-675	-1490	-2092					
545	33643 NIPSCO SKILLIN #1	PULASK	35 29N 1W	723	—	3150	MOUNT				603	958	1150	1388	2255	2645					
											120	-235	-427	-665	-1532	-2122					
546	21963 NIPSCO COLEMAN #1	PULASK	36 29N 1W	724	—	1370	CHAZYA				565	931									
											159	-207									
547	33173 NIPSCO HASLBY #12	PULASK	36 29N 1W	737	—	1406	KNOX				572	939	1127	1373							
											165	-202	-390	-636							
548	38040 NIPSCO HASLBY #0-148	PULASK	36 29N 1W	733	—	3121	MOUNT					955				2208	2803				
												-222				-1475	-2070				
549	34025 NIPSCO GOORY #6-18	PULASK	07 29N 2W	687	—	3102	MOUNT				585	894	1105	1332	2060	2678					
											102	-207	-418	-645	-1373	-1991					
550	33573 NIPSCO WALSH FARMS #L-11	PULASK	15 29N 2W	704	—	3100	MOUNT				600	940	1155	1347	2138	2744					
											104	-236	-451	-643	-1434	-2040					
551	33504 NIPSCO HANAWALT #1	PULASK	16 29N 2W	690	—	3106	MOUNT				550	869	1070	1302	2058	2667					
											140	-179	-380	-612	-1368	-1977					
552	34001 NIPSCO CRIST #2	PULASK	20 29N 2W	683	—	3101	MOUNT				580	910	1345	2202	2801						
											103	-227	-662	-1519	-2118						

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION			DEPTH-SUBSEA ELEVATIONS											
				GL	KB	TD	TD FORM	DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
553	26953 NIPSCO WEAVER #1	PULASK	35 29N 2W	700	—	1368	KNOX				570	915	1085	1345				
554	34079 NIPSCO LEDFORD #L-19	PULASK	21 29N 3W	687	—	3000	MOUNT				130	-215	-385	-645				
555	33903 NIPSCO GOBLE #L-15	PULASK	24 29N 3W	690	—	3059	MOUNT				569	896					2111	2705
556	33956 NIPSCO GOBLE #L-16	PULASK	25 29N 3W	685	—	3115	MOUNT				98	-209					-1424	-2018
557	23332 CONTINENTAL OIL DAVIS #1	PULASK	26 29N 3W	680	—	1340	KNOX				550	872		1280			2654	
558	33542 NIPSCO GOOD #2	PULASK	26 29N 3W	685	—	3151	MOUNT				140	-182		-590			-1355	-1964
559	33644 NIPSCO GOOD #L-12	PULASK	26 29N 3W	675	—	3109	MOUNT				530	853	1113	1370	2028	2637		
560	33666 NIPSCO WHITE #L-13	PULASK	26 29N 3W	665	—	2188	EAU CL				155	-168	-428	-685	-1343	-1952		
561	44761 HALL GOOD #L-14	PULASK	26 29N 3W	667	—	2746	MOUNT				132	-185	-413	-613				
562	33220 SANDERS LOWRY FARMS #1	PULASK	15 29N 4W	675	—	2900	MOUNT				546	846	1062	1293	2042	2650		
563	23968 CONTINENTAL OIL PETERS #1	PULASK	10 30N 1W	718	—	1504	KNOX				135	-162	-366	-601	-1359	-1965		
564	34099 NIPSCO HINTZ #L-20	PULASK	33 30N 2W	695	—	3009	MOUNT				535	856	1078	1340	2145			
565	23946 CONTINENTAL OIL BOWEN #1	PULASK	16 31N 2W	712	—	1482	KNOX				130	-191	-413	-675	-1480			
566	00612 WILLIAMS COOPER #1	PUTNAM	10 13N 4W	710	—	2560	KNOX	35	590		878	1080	1343	2140	2731			
567	00612 WILLIAMS COOPER #1	PUTNAM	10 13N 4W	710	—	2560	KNOX	640	85		-203	-405	-668	-1465	-2056			
568	11099 HAYES DRILLING NICHOLS #1	PUTNAM	17 14N 3W	810	—	2376	KNOX				651	999	1179	1425				
569	00651 STANOLIND OIL WELLS #1	PUTNAM	15 14N 5W	755	—	2829	KNOX				67	-281	-461	-707				
570	31337 SOSSAMON LUMPKIN #1	RANDOL	05 18N 13E	1120	—	1572	KNOX				610	907	1134	1320	2100	2691		
571	21420 CONTINENTAL OIL JOHNTING #1	RANDOL	15 18N 14E	1159	—	2750	EAU CL				491	706	1023	1230	2462			
572	29158 CENTRAL IND. GAS CLARK #8-C	RANDOL	08 19N 13E	1078	—	1564	KNOX				221	-311	-518	-720				
573	24835 CENTRAL IND. GAS CULLISON #9T-10	RANDOL	09 19N 13E	1124	—	1590	KNOX				1502	1855					1918	2340
574	24836 CENTRAL IND. GAS CULLISON #9T-11	RANDOL	09 19N 13E	1128	—	1597	KNOX				-792	-1145					-1108	-1530
575	26486 CENTRAL IND. GAS CULLISON #9T-18	RANDOL	09 19N 13E	1130	—	1521	KNOX				1091	1182	1216	1559	1920	2085	2526	
576	27967 CENTRAL IND. GAS JOHNSON #9T-32	RANDOL	09 19N 13E	1123	—	1525	CHAZYA				-336	-427	-461	-804	-1165	-1330	-1771	
577	27968 CENTRAL IND. GAS CULLISON #9T-19	RANDOL	09 19N 13E	1094	—	1486	KNOX				1032	91						
578	27969 CENTRAL IND. GAS CULLISON #9T-20	RANDOL	09 19N 13E	1128	—	1594	KNOX				1048	80					1487	-363
579	27970 CENTRAL IND. GAS ARNOLD #9T-25	RANDOL	09 19N 13E	1107	—	1572	KNOX				1025	82					1550	-443
580	27971 CENTRAL IND. GAS CLARK #9T-21	RANDOL	09 19N 13E	1117	—	1565	KNOX				1030	87					1530	-413
581	27972 CENTRAL IND. GAS ARNOLD #9T-29	RANDOL	09 19N 13E	1120	—	1516	KNOX				197	90	1030	1155	1501			
582	27973 CENTRAL IND. GAS JOHNSON #9T-33	RANDOL	09 19N 13E	1101	—	1497	KNOX				923		1011	1476			-35	-381
583																90	-375	

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS										
				GL	KB			DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
582	27974 CENTRAL IND. GAS CLARK #9T-35	RANDOL	09 19N 13E	1098	—	1493	KNOX						1012		1478			
583	27975 CENTRAL IND. GAS ARNOLD #9T-25	RANDOL	09 19N 13E	1111	—	1516	KNOX						86		-380			
584	27976 CENTRAL IND. GAS CULLISON #9T-31	RANDOL	09 19N 13E	1080	—	1545	KNOX						168	999	1132	1466		
585	27977 CENTRAL IND. GAS ARNOLD #9T-30	RANDOL	09 19N 13E	1079	—	1475	KNOX						912	81	-52	386		
586	27978 CENTRAL IND. GAS ARNOLD #9T-27	RANDOL	09 19N 13E	1122	—	1518	KNOX						987		1438			
587	27979 CENTRAL IND. GAS ARNOLD #9T-28	RANDOL	09 19N 13E	1098	—	1495	KNOX						92		-359			
588	27980 CENTRAL IND. GAS WATSON #9T-24	RANDOL	09 19N 13E	1121	—	1528	KNOX						1024		1455			
589	27981 CENTRAL IND. GAS WATSON #9T-23	RANDOL	09 19N 13E	1121	—	1517	KNOX						98		-333			
590	27982 CENTRAL IND. GAS CLARK #9T-22	RANDOL	09 19N 13E	1077	—	1473	KNOX						1008		1487			
591	28276 CENTRAL IND. GAS WATSON #9T-38	RANDOL	09 19N 13E	1120	—	1586	KNOX						90		-389			
592	28277 CENTRAL IND. GAS WATSON #9T-39	RANDOL	09 19N 13E	1120	—	1583	KNOX						1033		1517			
593	28442 CENTRAL IND. GAS JOHNSON #9T-40	RANDOL	09 19N 13E	1138	—	1597	KNOX						88		-396			
594	28443 CENTRAL IND. GAS SLACK #9G	RANDOL	09 19N 13E	1118	—	1625	KNOX						1032		1484			
595	28444 CENTRAL IND. GAS JOHNSON #9T-34	RANDOL	09 19N 13E	1126	—	1525	KNOX						94		-364			
596	29160 CENTRAL IND. GAS LEWIS #9-L	RANDOL	09 19N 13E	1095	—	1581	KNOX						1028		1508			
597	29162 CENTRAL IND. GAS CULLISON #9-M	RANDOL	09 19N 13E	1087	—	1584	KNOX						89		-388			
598	31389 CENTRAL IND. GAS JOHNSON #9T-56	RANDOL	09 19N 13E	1099	—	1609	KNOX						1060		1430			
599	33635 CENTRAL IND. GAS WATSON #9T-14	RANDOL	09 19N 13E	1120	—	1599	KNOX						983		-353			
600	33646 CENTRAL IND. GAS CULLISON #9T-13	RANDOL	09 19N 13E	1099	—	1567	KNOX						1039		1542			
601	33636 CENTRAL IND. GAS WASSON #10T-15	RANDOL	10 19N 13E	1130	—	1617	KNOX						79		-424			
602	25577 CENTRAL IND. GAS WATSON #16T-16	RANDOL	16 19N 13E	1132	—	1603	KNOX						1041		1514			
603	30421 CENTRAL IND. GAS EDWARDS #16T-52	RANDOL	16 19N 13E	1146	—	3352	MOUNT						85		-388			
604	33634 CENTRAL IND. GAS WILLIAMS #16T-17	RANDOL	16 19N 13E	1086	—	1580	KNOX						1008		1528			
605	33637 CENTRAL IND. GAS CENTRAL IND. GAS #1	RANDOL	16 19N 13E	1104	—	1972	KNOX						87		-32	433		
606	30407 CENTRAL IND. GAS HOLWAGER #17T-51	RANDOL	17 19N 13E	1115	—	1523	KNOX						1023		1153	1558		
607	30500 CENTRAL IND. GAS HOLWAGER #17T-53	RANDOL	17 19N 13E	1095	—	1522	KNOX						64		-66	-471		
608	30527 CENTRAL IND. GAS HOLWAGER #17T-54	RANDOL	17 19N 13E	1106	—	1578	KNOX						1045		1174	1520		
609	30548 CENTRAL IND. GAS HOLWAGER #17T-55	RANDOL	17 19N 13E	1122	—	1557	KNOX						87		-42	388		
610	33638 CENTRAL IND. GAS SAGE #17T-12	RANDOL	17 19N 13E	1129	—	1622	KNOX						1034		1156	1493		
													235	1076	1194	1603	2692	3265
													911	70	-48	-457	-1546	-2119
													200	1003	1132	1493		
													895	92	-37	-398		
													901	89	-29	-359		
													205	1017	1135	1465		
													887	88	-31	-383		
													235	1034	1153	1505		
													887					
													1057		1580			
													72		-451			

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL #	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS										
				GL	KB			DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
611	22687	CENTRAL IND. GAS	RANDOL	20	19N	13E	1121	—	1647	KNOX		245	1036	1150	1529			
		HAYNES #20T-2							876			85	-29		-408			
612	28258	CENTRAL IND. GAS	RANDOL	20	19N	13E	1151	—	1550	KNOX			1053			1511		
		HAYNES #20T-36										98			-360			
613	28409	CENTRAL IND. GAS	RANDOL	20	19N	13E	1144	—	1538	KNOX			1048	1171	1479			
		HAYNES #20T-41										96	-27		-335			
614	29300	CENTRAL IND. GAS	RANDOL	20	19N	13E	1134	—	1530	KNOX			1042			1497		
		HAYNES #20T-43										92			-363			
615	29301	CENTRAL IND. GAS	RANDOL	20	19N	13E	1142	—	1535	KNOX			1040			1493		
		HAYNES #20T-44										102			-351			
616	29379	CENTRAL IND. GAS	RANDOL	20	19N	13E	1154	—	1588	KNOX			1061			1538		
		HAYNES #20T-45										93			-384			
617	33633	CENTRAL IND. GAS	RANDOL	20	19N	13E	1149	—	3358	MOUNT			268	1052	1195	1518	2689	3270
		HAYNES #20T-48							881			87	-46		-369	-1540	-2121	
618	30356	CENTRAL IND. GAS	RANDOL	21	19N	13E	1120	—	1560	KNOX			190	1032	1145	1470		
		MYERS #21T-50							930			88	-25		-350			
619	30360	CENTRAL IND. GAS	RANDOL	22	19N	13E	1166	—	1604	KNOX			250	1084	1203	1579		
		KABEL #20T-49							916			82	-37		-413			
620	29163	CENTRAL IND. GAS	RANDOL	29	19N	13E	1146	—	1353	BLACK				1060				
		HARPER #29-A										86						
621	28275	CENTRAL IND. GAS	RANDOL	30	19N	13E	1142	—	1561	KNOX				1019	1138	1444		
		BENTZ #30T-37										123	4		-302			
622	31352	ZAVOICO	RANDOL	05	19N	15E	1162	1170	1875	KNOX			260	1170	1264	1683		
		WELCH #1							910			0	-94		-513			
623	14192	TAMBLYN	RANDOL	05	20N	12E	1004	—	1296	BLACK			200	975	1120			
		JONES #1							804			29	-116					
624	14138	FITCHETT	RANDOL	09	20N	12E	1008	—	1207	BLACK			202	938	1072			
		RACER #2							806			70	-64					
625	13658	COOPER	RANDOL	10	20N	12E	1025	—	1240	BLACK			240	983	1090			
		BLACKBURN #1							785			42	-65					
626	13864	ADAMS	RANDOL	16	20N	12E	1015	—	1284	BLACK				969				
		MEEEKS #1										46						
627	13746	CALDERWOOD	RANDOL	21	20N	12E	1023	—	1271	BLACK			210	976	1108			
		KRAMER #1							813			47	-85					
628	14214	DILLMAN DRILLING	RANDOL	06	20N	13E	1011	—	1265	BLACK				954	1085			
		MILLER AND SHAW #1										57	-74					
629	14749	DILLMAN DRILLING	RANDOL	30	20N	13E	1038	--	1370	BLACK			190	973	1100			
		MILLS #1							848			65	-62					
630	01849	SEIP	RANDOL	10	20N	14E	1073	—	1360	BLACK				1055	1173			
		WARD #1										18	-100					
631	30922	ZAVOICO	RANDOL	19	20N	15E	1108	—	2310	KNOX				220	1118	1220	1664	
		TIBBETTS #1										888	-10	-112	-556			
632	31351	ZAVOICO	RANDOL	29	20N	15E	1125	—	2038	KNOX			220	1129	1228	1572		
		HARRIS #1							905			-4	-103	-447				
633	31891	ZAVOICO	RANDOL	29	20N	15E	1126	—	1672	KNOX			235	1141	1233	1608		
		FRAZIER #2							891			-15	-107	-482				
634	31758	ZAVOICO	RANDOL	32	20N	15E	1135	--	1694	KNOX			235	1132	1226	1617		
		FRAZIER #1							900			3	-91	-482				
635	32093	ZAVOICO	RANDOL	32	20N	15E	1142	—	1606	KNOX				1142	1242			
		PEACOCK #1										0	-100					
636	00559	GODWIN AND MUNAY	RANDOL	08	21N	12E	938	--	1276	BLACK			150	892	1062			
		ST. JOHN #1							788			46	-124					
637	16469	STANLEY	RANDOL	10	21N	12E	943	—	1430	KNOX			175	932	1075	1405		
		LUDWICK #1										768	11	-132	-462			
638	15968	HICKMAN	RANDOL	12	21N	12E	961	—	1261	BLACK			160	930	1085			
		BYE #1							801			31	-124					
639	14593	FLESHER	RANDOL	16	21N	12E	961	--	1370	BLACK			120	928	1065			
		FLESHER #2							841			33	-104					

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS									
				GL	KB			DEV LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
640	13383	QUINTER MENDENHALL #1	RANDOL	27	21N 12E	988	—	1292	BLACK		185	936	1072				
										803	52	-84					
641	14107	MENDENHALL ET AL WOOD #3	RANDOL	27	21N 12E	987	—	1228	BLACK		168	924	1068				
										819	63	-81					
642	13720	HOTTINGER SHROYER #1	RANDOL	33	21N 12E	986	—	1350	BLACK			947					
											39						
643	15615	LIMOINE OIL GARRINGER #1	RANDOL	35	21N 12E	987	—	1214	BLACK				1086				
												-99					
644	15869	DAVIS SMITH #1	RANDOL	35	21N 12E	983	—	1242	BLACK		180	953	1086				
										823	30	-103					
645	14079	SMITH SMITH #1	RANDOL	36	21N 12E	991	—	1251	BLACK		150	951	1090				
										841	40	-99					
646	16331	KWIS MILLER #1	RANDOL	09	21N 13E	959	—	1251	BLACK			931	1086				
											28	-127					
647	15833	CROW JOHNSON ET AL #1	RANDOL	19	21N 13E	976	—	1331	BLACK		170	936	1070				
										806	40	-94					
648	30994	JEN-LEY INC. HUGHES #1	RIPLEY	05	8N 10E	885	—	1620	KNOX		60	899	970	1452			
										825	-14	-85	-567				
649	05546	RICH-LANDS INC. SPENCER #1	RUSH	25	12N 10E	1027	—	1505	KNOX		119	929	1027	1499			
										908	98	0	-472				
650	30282	MORAN ANDERSON #1	RUSH	07	13N 10E	958	—	1525	KNOX		97	842	969	1410			
										861	116	-11	-452				
651	29686	GULF OIL COON #1	RUSH	20	13N 11E	1066	1078	1565	KNOX		168	966	1065	1523			
										910	112	13	-445				
652	30294	MORAN WAGGONER #2	RUSH	10	14N 10E	968	—	1500	KNOX		80	842	968	1400			
										888	126	0	-432				
653	30338	MORAN CREECH #1	RUSH	17	14N 11E	1048	—	1550	KNOX			906	1019	1457			
											142	29	-409				
654	06263	RICH-LANDS INC. WAGGONER #1	RUSH	33	15N 10E	1022	—	1258	BLACK			876	1007				
											146	15					
655	24984	CONTINENTAL OIL SCHRADER #1	ST.JOS	32	36N 3E	836	—	2103	KNOX	490	677	1159	1631	1839	2044		
										346	159	-323	-795	-1003	-1208		
656	00441	NELSEN KUSH #1	ST.JOS	08	37N 1E	729	—	1916	KNOX	412	594	1100	1498		1878		
										317	135	-371	769		-1149		
657	06035	WESTON CHARLTON #1	SCOTT	15	4N 7E	594	—	1100	BLACK	56	106	113	212	994	1000		
										538	488	481	382	-400	-406		
658	02318	HART HAMMOND #1	SCOTT	35	4N 7E	662	—	1552	CHAZYA	95	160	230	1062	1071			
										567	502	432	-400	-409			
659	36744	GENERAL ELEC. STILES #1	SHELBY	03	12N 7E	788	—	1026	BLACK				840	967			
												-52	-179				
660	36791	GENERAL ELEC. STILES #2	SHELBY	03	12N 7E	782	—	1025	BLACK				832	-50			
661	36809	GENERAL ELEC. STILES #3	SHELBY	03	12N 7E	786	—	1025	BLACK				832	-46			
662	36671	GENERAL ELEC GENERAL ELEC #1	SHELBY	04	12N 7E	790	—	1595	KNOX				850	-60			
663	35789	EAGLE GAS EVERHART #1	SHELBY	04	13N 7E	790	—	1550	KNOX		78	218	859	990	1410		
										712	572	-69	200	-620			
664	36640	GENERAL ELEC YARLING #1	SHELBY	26	13N 7E	820	—	1054	BLACK		140	756	1055	1240	1464		
											680	-47	-170				
665	23921	CONTINENTAL OIL SEGHELLI #1	STARKE	23	32N 3W	712	—	1519	KNOX		282	756					
										430	-44	-343	-528	-752			
666	16307	DEVINE AND LANG WEICHT #1	STEUBE	15	36N 12E	1005	—	2584	BLACK	728	930	1675	2330	2549			
										277	75	-670	-1325	-1544			
667	26553	NIPSCO NOLL #1	STEUBE	22	36N 12E	1022	—	2593	BLACK	700	905	1660	2334	2563			
										322	117	-638	-1312	-1541			
668	27916	GENTRY SCHMIDT #1	STEUBE	35	36N 12E	950	—	2757	KNOX	670	845	1580	2244	2456	2707		
										280	105	-610	-1294	-1506	-1757		

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION			DEPTH-SUBSEA ELEVATIONS											
				GL	KB	TD	TD FORM	DEV LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT	PRECAM
669	18724	AMBASSADOR OIL WALKER #1	STEUBE 04	36N	13E	1039	—	3700	EAU CL	849	1064	1800	2481	2718	3000			
								190		-25	-761		-1442	-1679	-1961			
870	33439	M.I.O. EXPLOR. FINLEY #1	STEUBE 10	36N	13E	988	—	3126	KNOX	818	1020	1760	2453	2690	2937			
								170		-32	-772		-1465	-1702	-1949			
671	18790	AMBASSADOR OIL SHIPE #1	STEUBE 25	38N	13E	995	—	2931	KNOX	748	940	1687	2390	2609	2870			
								247		55	-692		-1395	-1614	-1875			
672	33024	SWAGER SWAGER #1	STEUBE 15	38N	14E	1046	1058	6866	PRECAM	1053	1360	2160	2843	3090	3354	4152	4561	4889
								5		-302	-1102		-1785	-2032	-2296	-3094	-3503	-3831
673	35996	SWAGER SWAGER #2	STEUBE 16	38N	14E	1044	1051	3717	KNOX	1049	1337	2135	2815	3075	3350			
								2		-286	-1064		-1764	-2024	-2299			
674	36538	MUTCH HARDING #1	STEUBE 16	38N	14E	1058	1077	3363	KNOX	1072	1360	2150	2834	3080	3361			
								5		-283	-1073		-1757	-2003	-2284			
675	36742	MUTCH CHURCH #1	STEUBE 16	38N	14E	1057	1065	3343	CHAZYA	1085	1365	2175	2859	3105				
								-20		-300	-1110		-1794	-2040				
676	40204	STINSON HARDING #2-16	STEUBE 16	38N	14E	1059	1070	3265	BLACK	1082			2848					
								-12					-1778					
677	36112	MUTCH BRISTLE #1	STEUBE 21	38N	14E	1052	1071	3355	CHAZYA	1064	1360	2168	2827	3100				
								7		-289	-1097		-1756	-2029				
678	36530	MUTCH SHIVELY #1	STEUBE 21	38N	14E	1050	1068	3340	KNOX	1059	1350	2128	2820	3100	3335			
								9		-282	-1060		-1752	-2032	-2267			
679	36687	MUTCH WIREMAN #1	STEUBE 25	38N	14E	1058	1069	3222	BLACK	1044			2798	3050				
								25					-1729	-1981				
680	21894	WOODRUFF WEICHT #1	STEUBE 17	38N	15E	1047	—	3410	KNOX	1061	1328	2140	2851	3098	3400			
								-14		-281	-1093		-1804	-2051	-2353			
681	21870	MCCLURE DRLG. KINT #1	STEUBE 28	38N	15E	1045	—	3383	KNOX	1029		2075	2795	3038	3341			
								16			-1030		-1750	-1993	-2296			
682	00027	FELMONT CORP. RIGGS #1	SULLIV 36	8N	9W	458	—	4160	KNOX	2263	2405	2600	3103	3416	3582	4134		
								-1805		-1947	-2142	-2645		-2958	-3124	-3676		
683	18901	TEXAS GAS MCANALLY #1-U	SULLIV 30	9N	8W	533	—	3440	BLACK	1993	2096	2926	3230	3386				
								-1460		-1563		-2393		-2697	-2853			
684	04074	MYERS THOMAS #1	SULLIV 19	9N	10W	536	—	4350	CHAZYA	2494		3323	3628	3775				
								-1958				-2787	-3092					
685	103663	IND. GEOL. SUR. ROBINS #SDH-133	SWITZE 01	2N	1W	510	—	570	BLACK			149		315				
											361		195					
686	29579	ASHLAND OIL COLLINS #1	SWITZE 04	2N	1W	868	880	4000	PRECAM			518		690	1217	3132	3637	3974
											362		190	-337	-2252	-2757	-3094	
687	16867	SEEVERS CLEETER HEIRS #1	SWITZE 32	4N	3W	910	—	900	BLACK			584		835				
											326		75					
688	24577	CONTINENTAL OIL STUART #1	TIPPEC 03	22N	5W	618	—	1559	CHAZYA		353	821	1166	1333				
										265	-203	-548	-715					
689	23743	CONTINENTAL OIL WARREN #1	TIPPEC 08	23N	5W	683	—	1743	KNOX	354	368	833	1171	1343	1686			
								329		315	-150	-488	-660	-1003				
690	23580	CONTINENTAL OIL SHEPARD #1	TIPPEC 12	24N	5W	701	—	1654	KNOX			739		1103	1270	1602		
											-38		-402	-569	-901			
691	00405	EASTMAN VANDEVENTER #1	TIPTON 21	21N	3E	918	—	1521	KNOX			510		990	1142	1488		
											408		-72	-224	-570			
692	27418	SUN OIL CO. UNION STATE BANK #1	TIPTON 36	23N	3E	880	—	1604	KNOX			478		966	1130	1451		
											402		-86	-250	-571			
693	21519	CONTINENTAL OIL SHEETS #1	UNION 31	11N	1W	997	—	2756	KNOX			924		950	1430			
											73		47	-433				
694	34857	TRIANGLE OL CO. CHEEK #1	VERMIL 27	14N	9W	488	—	2577	BLACK	1478	1606	1650	2080	2379	2551			
								-990		-1118	-1162	-1592		-1891	-2063			
695	102119	FOOD MACHINERY NEWPRT CHEM. #WD-1	VERMIL 09	16N	9W	642	650	6160	MOUNT	1321	1445	1460	1880	2190	2360	2819	4587	5447
								-671		-795	-810	-1230		-1540	-1710	-2169	-3937	-4797
696	07157	HIGGINBOTHAM FLESHER II:1	VIGO 05	10N	10W	457	—	3440	BLACK	2133	2275	2312	2880	3210	3380			
								-1676		-1818	-1855	-2423		-2753	-2923			
697	01265	LUKENS CAMPBELL #1	VIGO 24	11N	8W	618	—	3000	BLACK	1654	1778	1824	2363	2686	2836			
								-1036		-1160	-1206	-1745		-2068	-2218			
698	31151	PLEDGER HOWARD #1	WABASH 10	26N	7E	846	—	1275	BLACK				976	1150				
											-130		-304					

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION			DEPTH-SUBSEA ELEVATIONS										
				GL	KB	TD	TD FORM	DEV LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
699	30793 HORIZON OIL INC. THOMPSON #1-H	WABASH	07 26N 8E	858	—	1347	BLACK				405	1022	1198				
											453	-164	-340				
700	30284 HORIZON OIL INC. EARLY #1-H	WABASH	R13 27N 6E	735	—	1475	KNOX				370	930	1110	1411			
											365	-195	-375	-676			
701	33344 H & M RECOVERY BAEH #3	WABASH	R18 27N 6E	777	—	1520	KNOX				390		1379				
											387		-602				
702	22830 CLEMENS BRANE #1	WABASH	11 27N 7E	830	—	1226	BLACK				459	1035	1220				
											371	-205	-390				
703	23177 CLEMENS BUZZARD #1	WABASH	17 27N 8E	793	—	1425	KNOX				359	956	1150	1373			
											434	-163	-357	-580			
704	31233 RELIANCE OIL CO KISNER #1	WABASH	26 28N 6E	797	—	1269	BLACK				502	1057	1238				
											295	-260	-441				
705	30986 HORIZON OIL CO. STAUFFER #1-H	WABASH	06 28N 7E	799	—	1345	BLACK				540	1094	1280				
											259	-295	-481				
706	29024 ASHLAND OIL HUDSON #1	WABASH	25 29N 6E	775	787	3685	PRECAM				542	1083	1260	1459	2458	2994	3654
											245	-296	-473	-672	-1671	-2207	-2867
707	200005 COMINCO AMER. HUDSON #CA-53	WABASH	25 29N 6E	773	—	2300	EAU CL				516	1066	1247	1444			
											257	-293	-474	-671			
708	30286 HORIZON OIL INC. BAKER #1-H	WABASH	26 29N 6E	786	—	1441	BLACK				560	1120	1304				
											226	-334	-518				
709	32290 PATLA MILLER #1	WABASH	35 29N 6E	787	—	1404	BLACK				530	1093	1278				
											257	-306	-491				
710	41578 ORION RESOURCES SMITH #1	WABASH	08 29N 7E	772	—	1740	KNOX				564	1112	1310	1568			
											208	-340	-538	-796			
711	30594 SIGNS BETTEN #1	WABASH	20 29N 7E	793	—	1338	BLACK				550	1128	1321				
											243	-335	-528				
712	30859 WHITMER DRLG. CUSTER #1	WABASH	30 29N 7E	788	—	1355	BLACK					1076	1290				
												-288	-502				
713	01372 DETRICK AND TOPF BOWMAN #1	WARREN	24 23N 10W	711	—	1730	BLACK	640	690	1187	1460	1630					
								71	21	-476	-749	-919					
714	03871 WASHINGTON COUNTY CAUBLE #1	WASHIN	10 1N 3E	788	—	2025	BLACK	947	1040	1284		1966					
								-159	-252	-496		-1178					
715	04306 WASHINGTON COUNTY ELROD #1	WASHIN	08 2N 4E	746	—	1840	BLACK	753	842			1753					
								-7	-96			-1007					
716	13376 TRI COUNTY EXPL. OWSLEY #1	WASHIN	10 3N 2E	768	—	2002	BLACK	885	1200	1904	1990						
								-117	-432	-1136	-1222						
717	00605 SEIP MCGRAW #1	WAYNE	19 13N 1W	928	—	914	BLACK				865	890					
											63	38					
718	02189 WAYNE COUNTY TAYLOR #1	WAYNE	22 13N 1W	1030	—	3330	MOUNT				26	975	1025	1500	2780	3309	
											1004	55	5	-470	-1750	-2279	
719	02448 WAYNE COUNTY MAGAW #1	WAYNE	34 13N 1W	1135	—	1276	BLACK					1073	1100				
											62	35					
720	103578 IND. GEOL. SUR. COOK #SDH-57	WAYNE	12 14N 1W	1028	—	1083	BLACK				47	1018	1051				
											981	10	-23				
721	07467 GORDON DODDRIDGE #1	WAYNE	23 15N 13E	957	—	3907	PRECAM				835	896	1340	2720	3203	3435	
											122	61	-383	-1763	-2246	-2478	
722	42617 FARRAR OIL CO. BRIAR ET AL #1	WAYNE	20 16N 12E	1019	—	1732	KNOX				858	972	1396				
											161	47	-377				
723	12695 WAYNE OIL HOOVER #1	WAYNE	35 17N 12E	1022	—	1655	KNOX				907	970	1380				
											115	52	-358				
724	32105 ZAVOICO STRICKLER #1	WAYNE	20 17N 13E	1074	—	1512	KNOX				952	1054	1472				
											122	20	-398				
725	17199 MEANS BILLHEIMER #1	WAYNE	28 18N 12E	1062	—	2018	KNOX				947		1478				
											115		-416				
726	02579 FOX METZ #1	WELLS	11 25N 10E	849	—	2300	DAVIS				980	1160	1497				
											-131	-311	-648				
727	37132 BRETT SMELTZER #16-A	WELLS	11 25N 10E	841	—	1600	KNOX				967	1150	1462				
											126	-309	-621				
728	22169 MCCLUM & KINCAID HILES #1	WELLS	13 25N 10E	849	—	1214	BLACK				988						
											-139						

DATA BASE FOR DEEP WELLS IN INDIANA—Continued

PERMIT	OPERATOR FARM-WELL#	COUNTY	LOCATION	ELEVATION		TD	TD FORM	DEPTH-SUBSEA ELEVATIONS										
				GL	KB			DEV	LS	GENEV	SIL	CIN	LEXING	TREN	BLACK	KNOX	EAU CL	MOUNT
729	41139 NEIL-RAY OIL HETLER #2	WELLS	14 25N 10E	834	—	1196	BLACK					975		-141				
730	41180 NEIL-RAY OIL SQUIRES #2	WELLS	14 25N 10E	831	—	1194	BLACK					965		-134				
731	41203 NEIL-RAY OIL SQUIRES #1	WELLS	14 25N 10E	846	—	1500	CHAZYA			280		982	1170					
732	32241 COCHISE OIL BOOHER #1	WELLS	25 25N 10E	863	—	1882	KNOX			300		989		1464				
733	38139 BRETT LIEVRANCE #1	WELLS	26 25N 10E	866	—	1481	KNOX			563		-126		-601				
734	38483 BRETT LIEVRANCE #2	WELLS	26 25N 10E	866	—	1499	KNOX			621		965	1150	1460				
735	37129 BRETT NORTH #14-D	WELLS	15 25N 12E	864	—	1575	KNOX			631		-99	-284	-594				
736	34075 DAVIS PATTERSON #1	WELLS	19 25N 12E	868	—	1710	KNOX			235		953						
737	116607 IND. GEOl. SUR. WILLIAMS #SDH-323	WELLS	20 25N 12E	873	—	1240	BLACK			570		1010	1190					
738	18053 MUTCHE COFFEL #1	WELLS	22 25N 12E	857	—	1560	KNOX			295		1018	1187					
739	34119 MITCHELL INC. REYNOLDS #16A-24	WELLS	24 25N 12E	856	—	1772	KNOX			562		-161	-330					
740	31661 FRANKS ALBERSON #1	WELLS	25 25N 12E	874	—	1291	BLACK			282		1009	1180					
741	34125 MITCHELL INC. STUDEBAKER #12C-28	WELLS	28 25N 12E	882	—	1600	KNOX			572		1018	1200	1460				
742	17008 CARTER OIL CO. CHILCOAT #1-S	WELLS	09 28N 12E	819	—	1446	BLACK			470		1200	1390					
743	16931 CARTER OIL CO. MARTZ #1-S	WELLS	20 28N 12E	833	—	1406	BLACK			349		-381	-571					
744	23696 CONTINENTAL OIL HAFF #1-A	WHITE	01 25N 4W	674	—	1566	KNOX			450		1190	1390					
745	28099 INDIANA GAS GOSS #1	WHITE	11 26N 6W	723	—	1434	KNOX	70	97	668		1024	1222	1517				
746	23459 CONTINENTAL OIL KOESTNER #1	WHITE	15 27N 3W	684	—	1500	KNOX			653	626	580	925	1140	1414			
747	28108 INDIANA GAS MILLER #1	WHITE	32 27N 5W	712	—	1400	CHAZYA			143		-202	-417	-691				
748	23180 INDIANA GAS FORBES #1	WHITE	03 27N 6W	703	—	1470	KNOX	133	149	668		1012	1185	1452				
749	33453 NIPSCO THRASHER #L-9	WHITE	05 28N 3W	684	—	3091	MOUNT	570	554	59		-350	-548	-843				
750	100601 OHIO OIL CO. MOSLEY #1	WHITE	01 28N 5W	675	—	1638	KNOX			119		870	1067	1319	2134	2747		
751	17009 CARTER OIL CO. KREIDER #1-S	WHITE	16 30N 8E	843	—	1530	BLACK			91		-186	-383	-635	-1450	-2063		
752	16932 CARTER OIL CO. BOLINGER #1-S	WHITE	33 30N 8E	873	—	1556	BLACK			705		1324	1520					
753	25237 CONTINENTAL OIL HENNEY #1	WHITE	30 30N 10E	879	—	1868	KNOX			198		1299	1488					
754	24668 TEXACO INC. KNELLER #1	WHITE	03 31N 8E	916	—	1750	BLACK			230	649	644	983	1165	1467			
755	33016 WICKERY DRILLING JARBOE #1	WHITE	09 31N 8E	906	—	1695	BLACK			544	51	-280	-462	-764				
756	17083 CARTER OIL CO. GANGWER #1-S	WHITE	22 31N 8E	831	—	1602	BLACK			377	529	870	1494	1684				
757	29040 HAMMERSTONE OIL CONRAD #1	WHITE	09 32N 9E	956	2434	KNOX				36		765	1392	1575				
758	38959 BARLOWE HENDRICKSON #1	WHITE	30 32N 10E	858	—	3404	MOUNT			470	486	980	1649	1845	2105			
										18		-24	-693	-889	-1149			
										518		340	840	1518	1708	1950	2822	3332
												518	18	-660	-850	-1092	-1964	-2474

DATA BASE FOR DEEP WELLS IN INDIANA - UPDATE

84-1

[as of December 31, 1984]

Permit	Operator Farm-Well#	County	Location	Elevation			TD Form	Depth-Subsea Elevations										
				GL	KB	TD		Dev Ls	Genev	Sil	Cin	Lexing	Tren	Black	Knox	Eau Cl	Mount	Precam
42907	Phoenix Petroleum Light #2	Blackf	6-22N-10E	868		1760	Knox							890				
														-22				
45308	Petroleum Res. Willhelm #1	Dearbo	24-7N-1W	745	755	1483	Knox	*										
45307	Petroleum Res. Farmer #1	Dearbo	11-7N-1W	526		1359	Knox	*										
43586	Mesalam Oil Carmichael #1	Delawa	15-19N-11E	1055		1350	Black							994	1125			
														+61	-70			
41314	Kern Jones #1	Delawa	36-20N-9E	955		1410	Knox							168	878	970	1300	
														+787	+77	-15	-345	
43420	Kern Main #1	Delawa	9-20N-11E	983		1218	Black							942	1083			
														+41	-100			
45121	Baggett Jones #1-A	Delawa	10-20N-11E	994		1239	Black	*						958				
														+36				
44472	Delco Petroleum Ginther et al #3	Delawa	13-21N-11E	942		1505	Knox	*										
124439	Hoskin Mfg. Hoskin Mfg. #--	Elkhar	21-25N-6E	815	829	4132	Precam	366						1698		2112	2871	3418
								+463						-869		-1283	-2042	4109
42123	NIPSCO Berwanger #S-153-MSB	Fulton	29-29N-1E	743	759	3083	Mount							941		1374	2171	2772
														-198		-631	-1428	-2029
41708	NIPSCO Capper #S-150-MSB	Fulton	29-29N-1E	746		3085	Mount							559	938	1369	2170	2773
								+187						-192		-623	-1424	-2027
42091	NIPSCO Capper #S-152-MSB	Fulton	29-29N-1E	747	763	3102	Mount							545	932	1364	2169	2767
								+218						-190		-601	-1422	-2020
42124	NIPSCO Haselby #S-154-MSB	Fulton	31-29N-1E	745	760	3065	Mount							962		1385	2181	2786
														-202		-625	-1436	-2041
41995	NIPSCO Hiatt #S-149-MSB	Fulton	31-29N-1E	750	766	3092	Mount							564	942	1370	2180	2780
								+186						-192		-620	-1430	-2030
44378	Orion Resources Janney #1	Jay	29-22N-13E	998		1605	Knox							230	998	1155	1540	
														(0)	-157	-542		
44288	Shell Oil L & R Inc. #1-24	Lagran	24-28N-10E	931	944	4737	Precam	882						1140	1860	2472	2715	2975
								+62						-196	-916	-1528	-1771	-2031
43638	Buttercup Energy Pate #1	Lawren	15-5N-2E	769		1850	Black	787						1730				
								-18						-961				

*Formation tops may be added in future update.

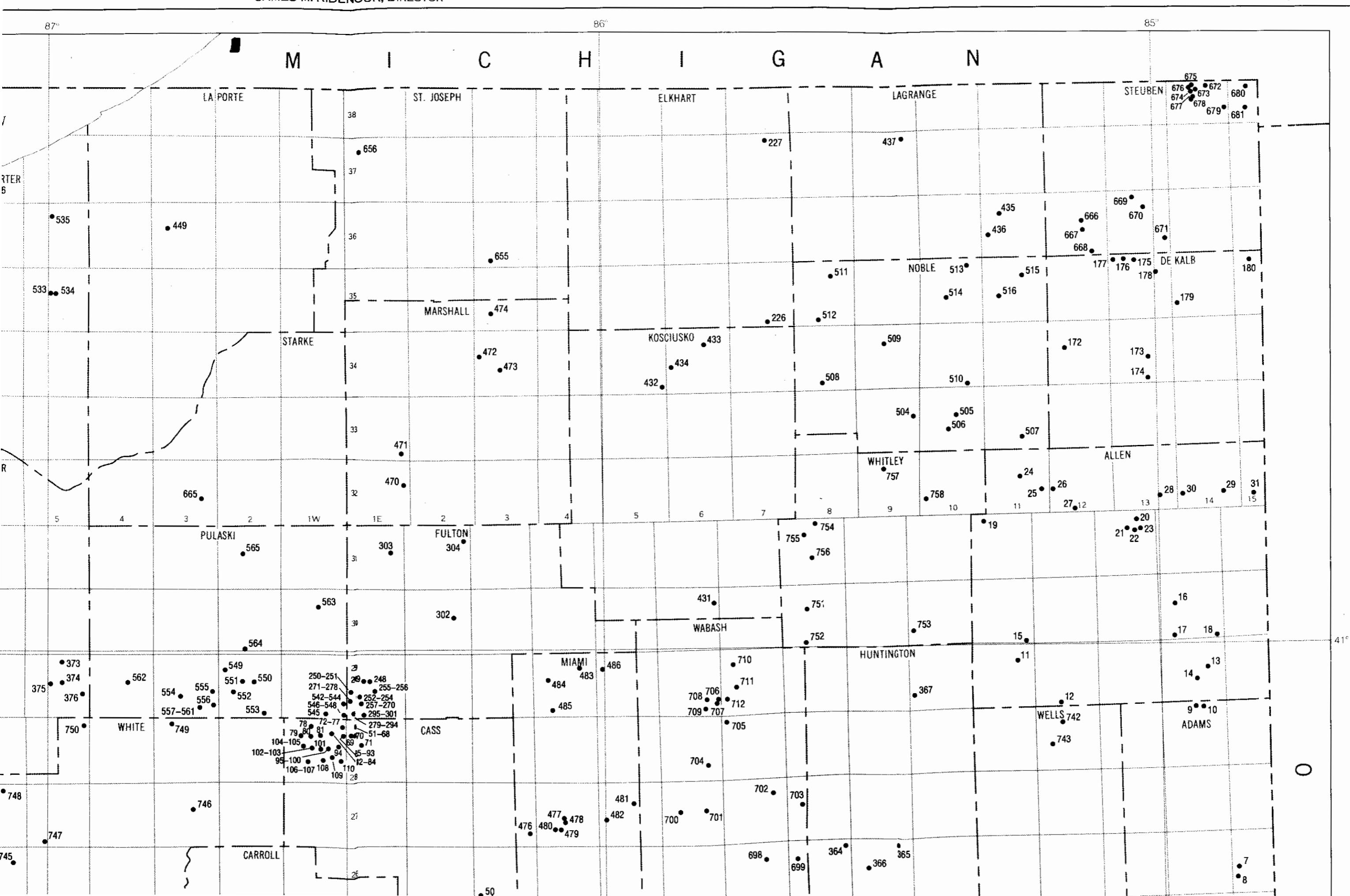
DATA BASE FOR DEEP WELLS IN INDIANA - UPDATE

84-2

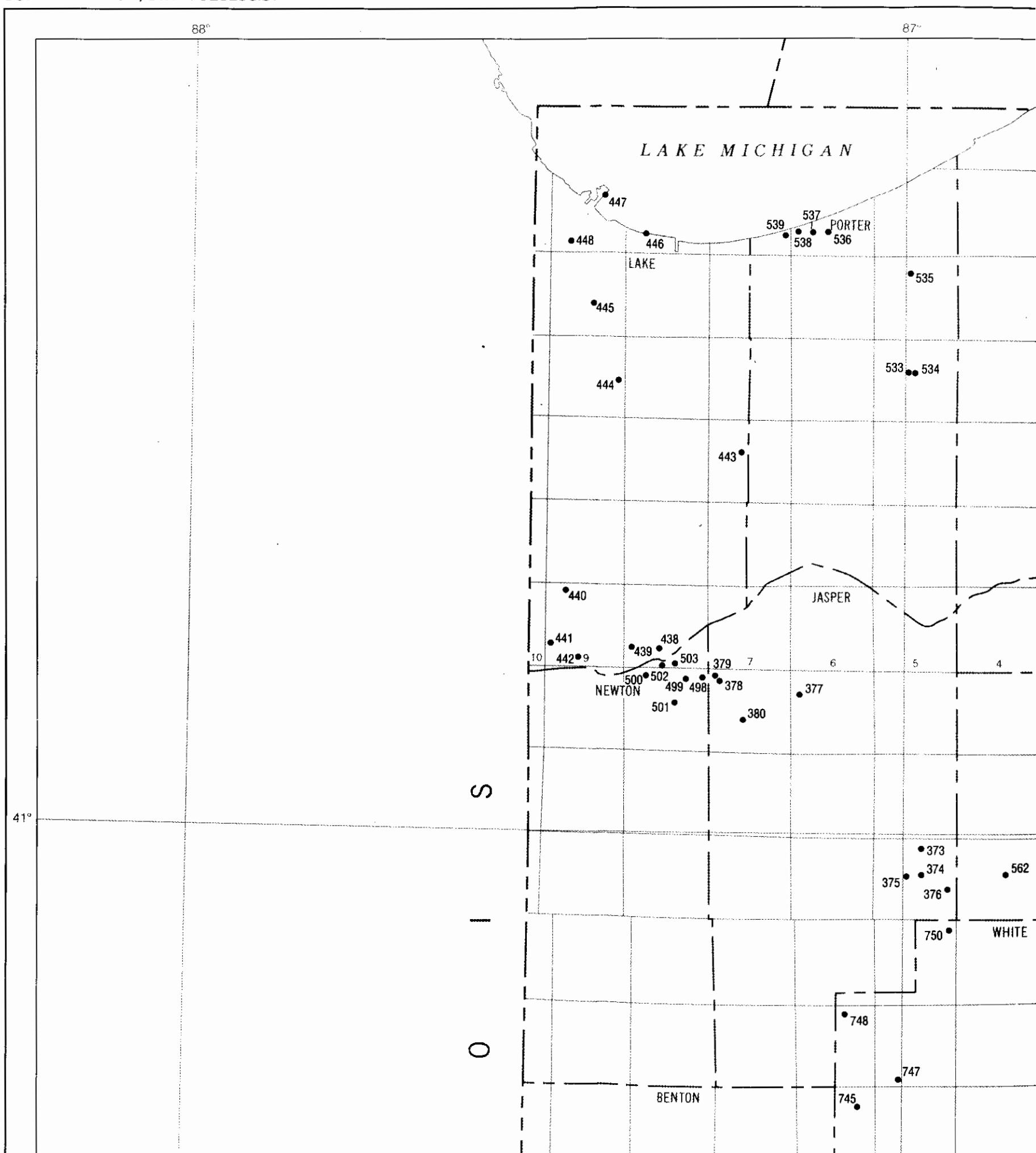
[as of December 31, 1984]

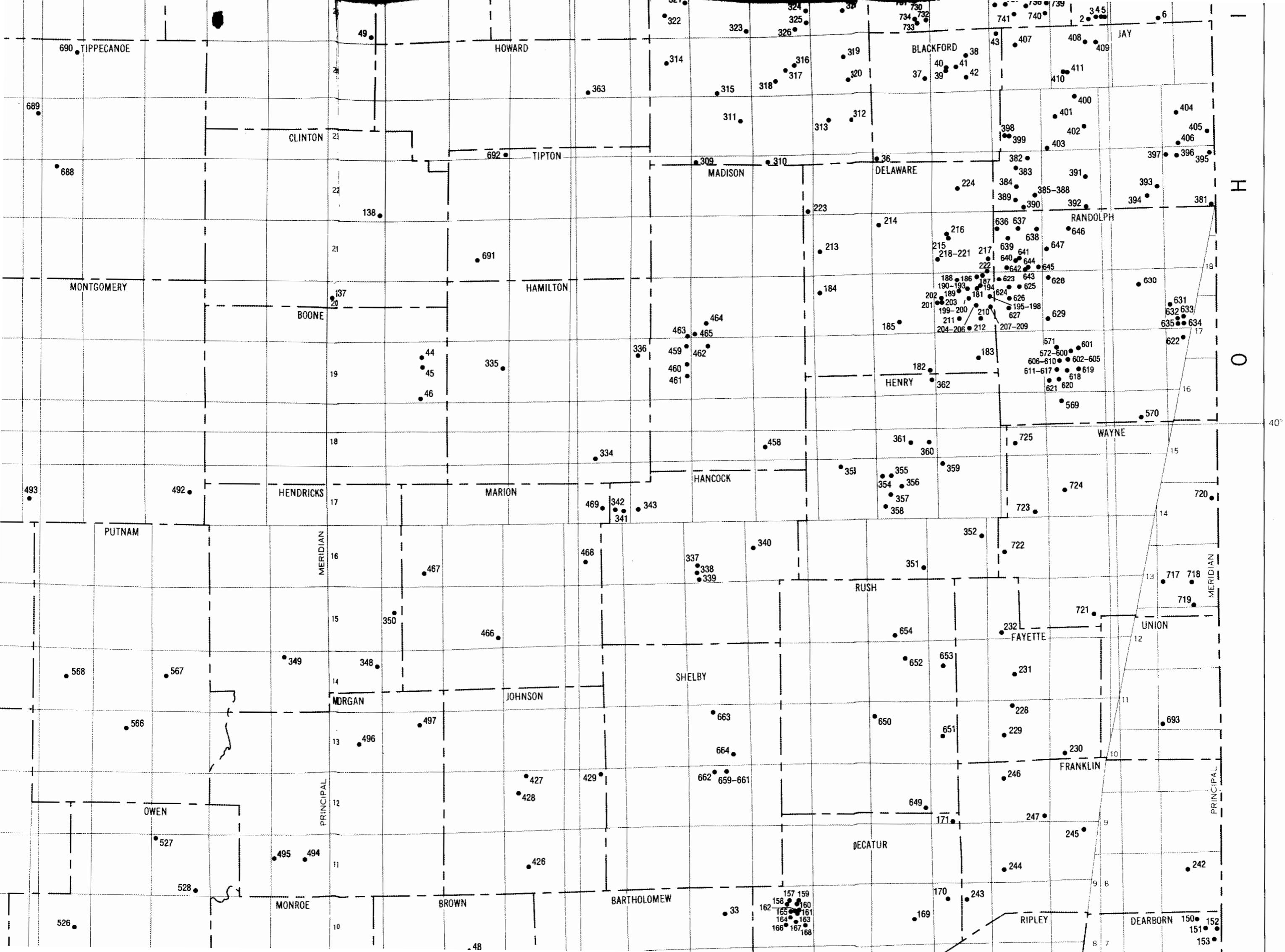
Permit	Operator Farm-Well#	County	Location	Elevation			Depth-Subsea Elevations											
				GL	KB	TD	TD Form	Dev	Ls	Genev	Sil	Cin	Lexing	Tren	Black	Knox	Eau Cl	Mount
43890	Lamar Properties #1 Kinser	Lawren	26-6N-1E	651		1780	Black	672		762	800	1090		1670	1773			
								-21		-111	-149	-439		-1019	-1122			
42490	Kendall Bronnenberg #1	Madiso	2-19N-8E	882		1287	Black											
45017	Enhanced Oil Soamea #3-B	Miami	28-27N-4E	647		1615	Knox							862				-215
43600	RAM Oil Jackson Farms #3	Miami	RR-27N-5E	651		1568	Knox							856				-205
42917	Eagle Exploration Pitman #A-2	Monroe	34-7N-1E	797		2079	Black							1708	1825			
														-911	-1028			
200536	Ind. Geol. Sur. Newton Stone #SDH-87	Newton	25-27N-9W	520		650	Knox											
45250	Warren Oil Paulin #1	Perry	23-3S-3W	456		4100	Knox	*										
43558	Citizens Res. Dev. Galey #1	Perry	5-4S-1W	755	767	3101	Black	1733		1815	2250		2850	2875				
								-966		-1048	-1483		-2083	-2108				
41097	Ernst Modesitt #1	Putnam	4-12N-5W	746		2328	Black	1270		1380	1425	1810		2160	2325			
								-524		-634	-679	-1064		-1414	-1579			
44107	JRFM Drlg. Snodgrasa #1	Randol	20-20N-12E	1021		1713	Knox							1000				+21
43854	Orion Resources Jones #1	Randol	8-21N-12E	936		1400	Knox							140	888	1040	1217	
														+796	+48	-104	-281	
43352	Whitmer Inc. Bowman #1	Shelby	26-14N-6E	804		1653	Knox	*						928				+24
43353	Whitmer Inc. Mohr #1	Shelby	34-14N-6E	805		1200	Black							934				-129
43747	Gulf Coast Exp. Pounds #1	Sulliv	2-8N-10W	499		4013	Black	2412		2594	2615	3283		3584	3760			
								-1913		-2095	-2116	-2784		-3085	-3261			
43725	Big Oil Baker #2	Vigo	8-10N-8W	621	628	3201	Black	1947						2645	2965			
								-1319						-2017	-2337			
43453	Big Oil Baker #1	Vigo	8-10N-8W	610	617	3200	Black	1934		2065	2128	2644		2958	3140			
								-1319		-1448	-1511	-1017		-2341	-2523			
45206	North North #2	Wells	15-25N-12E	858		1225	Black							996				-138

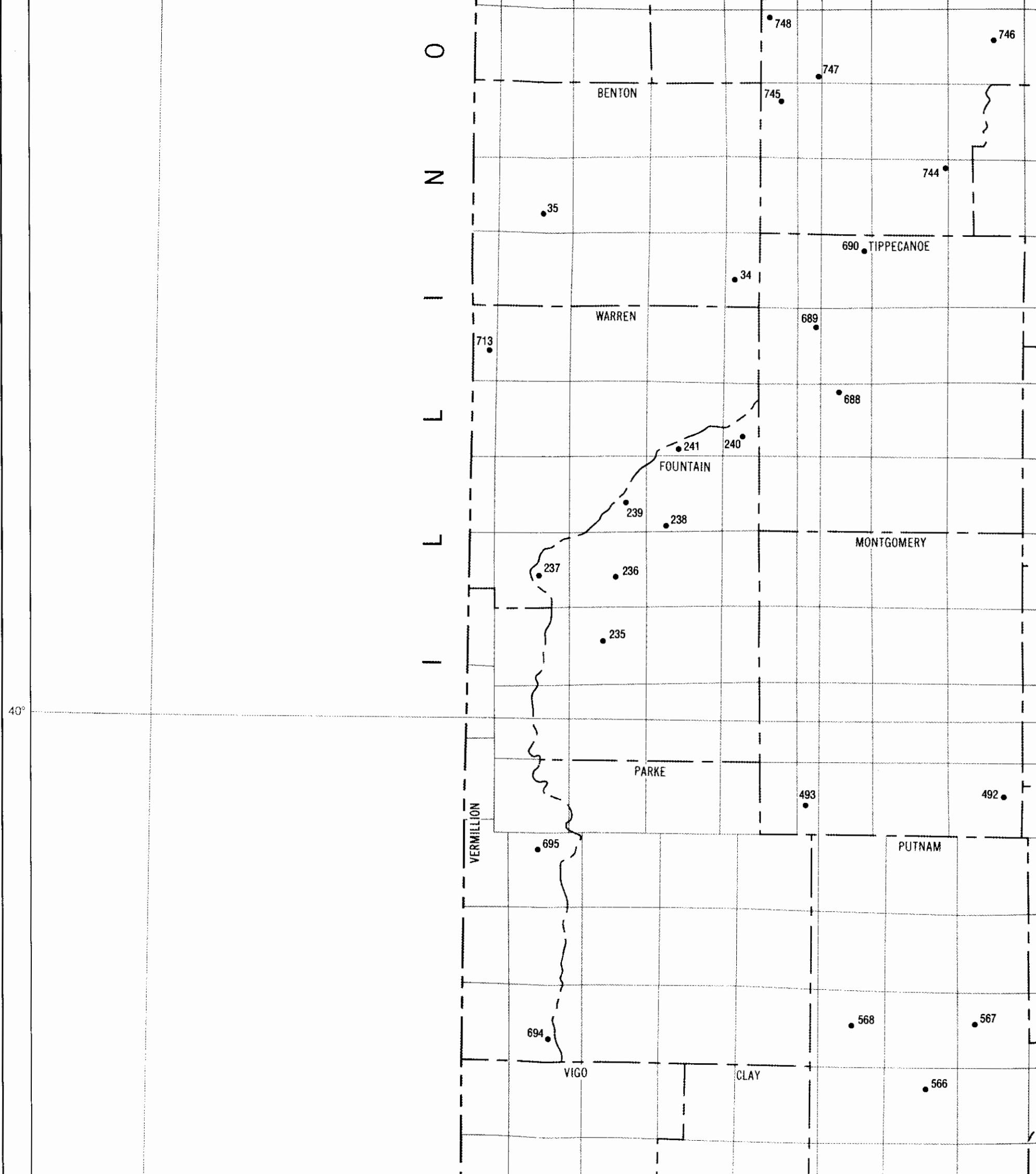
*Formation tops may be added in future update.

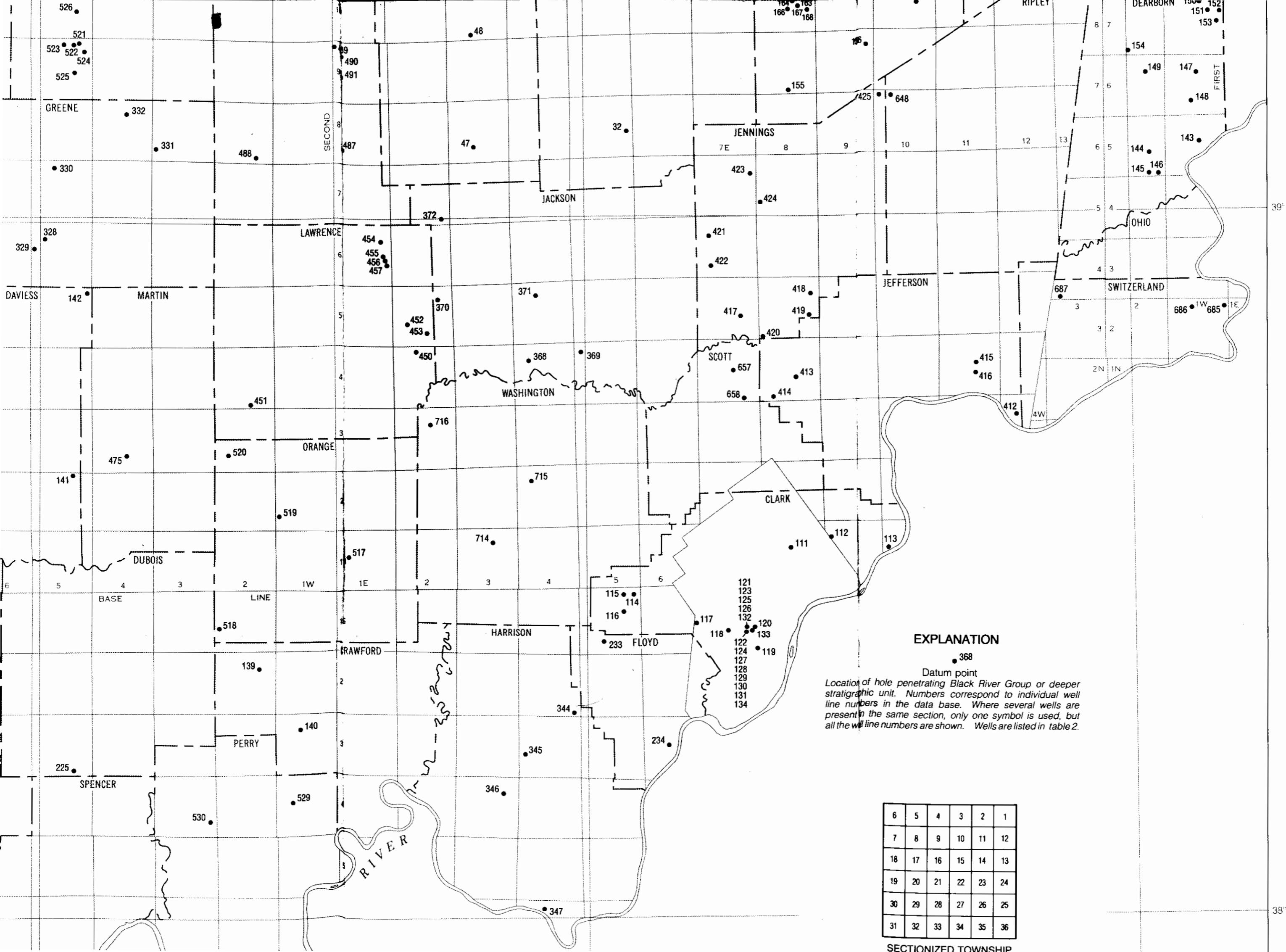


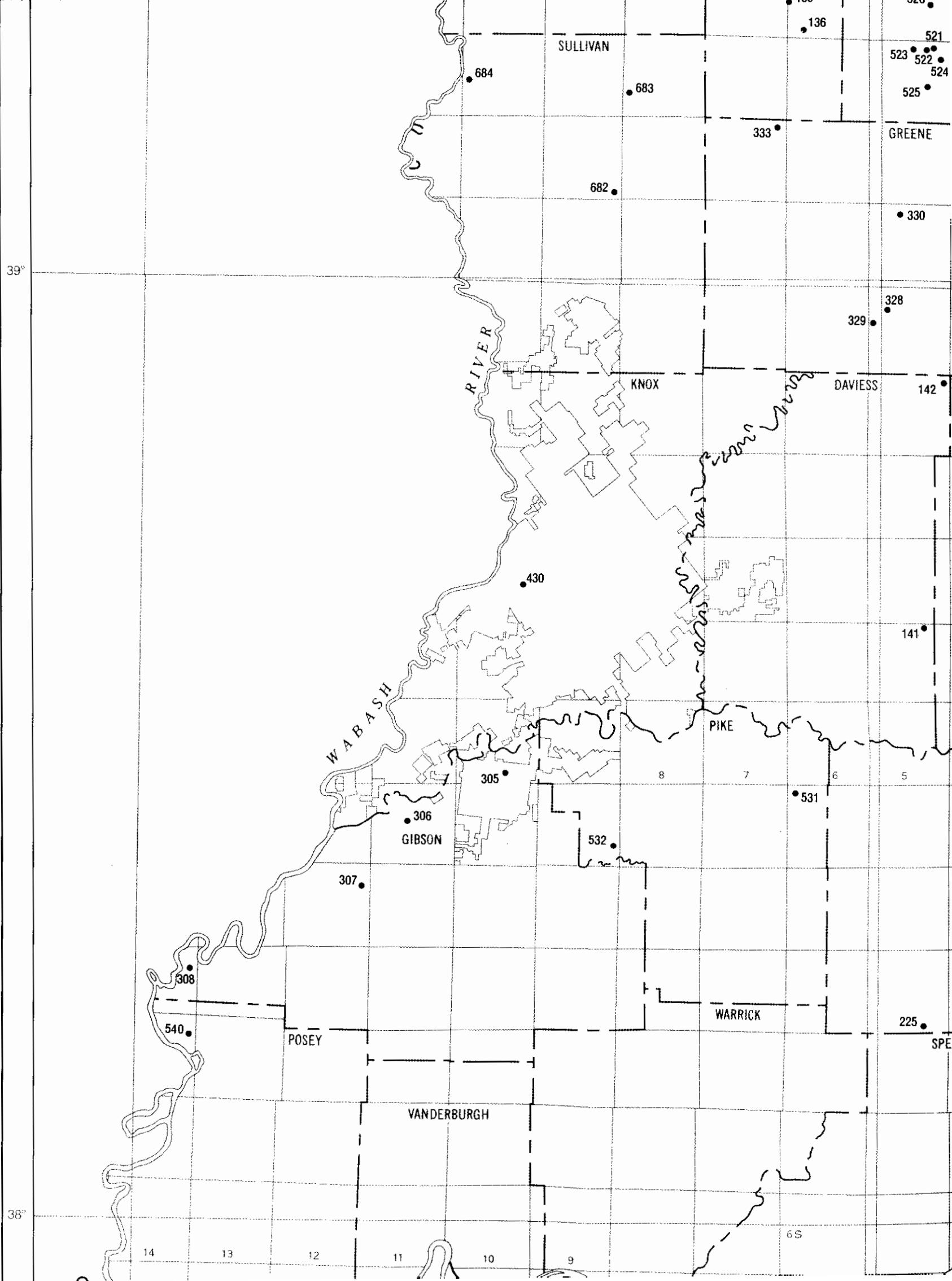
GEOLOGICAL SURVEY
JOHN B. PATTON, STATE GEOLOGIST

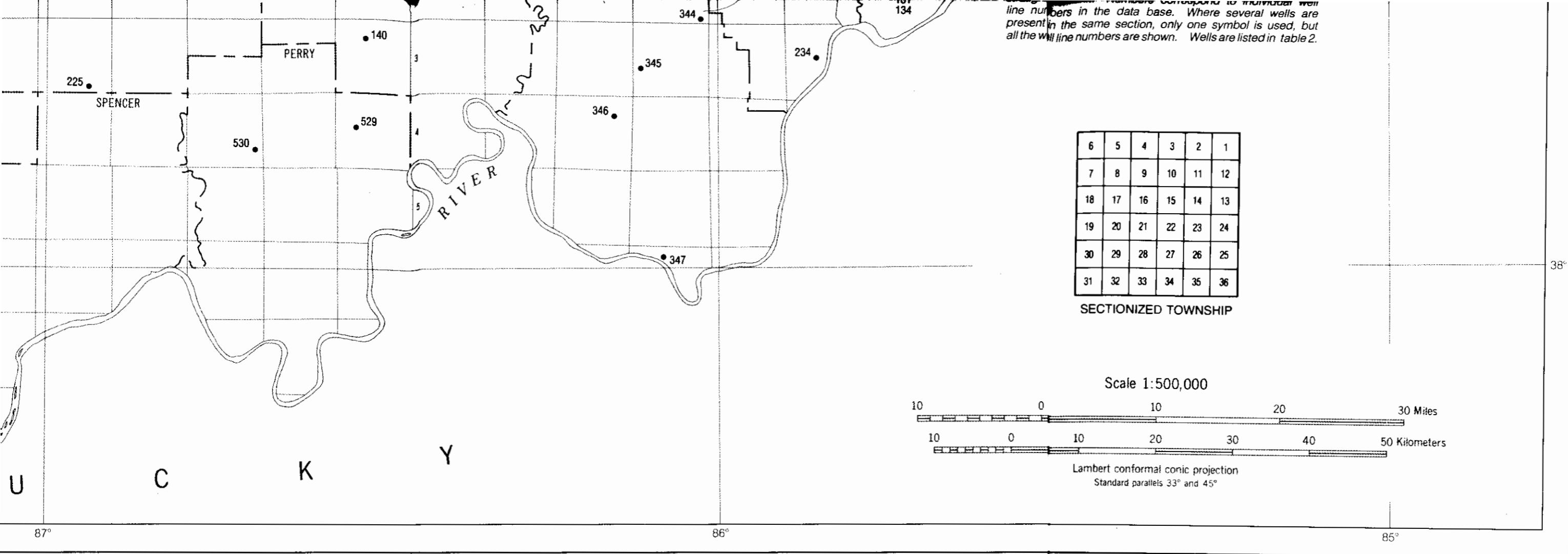






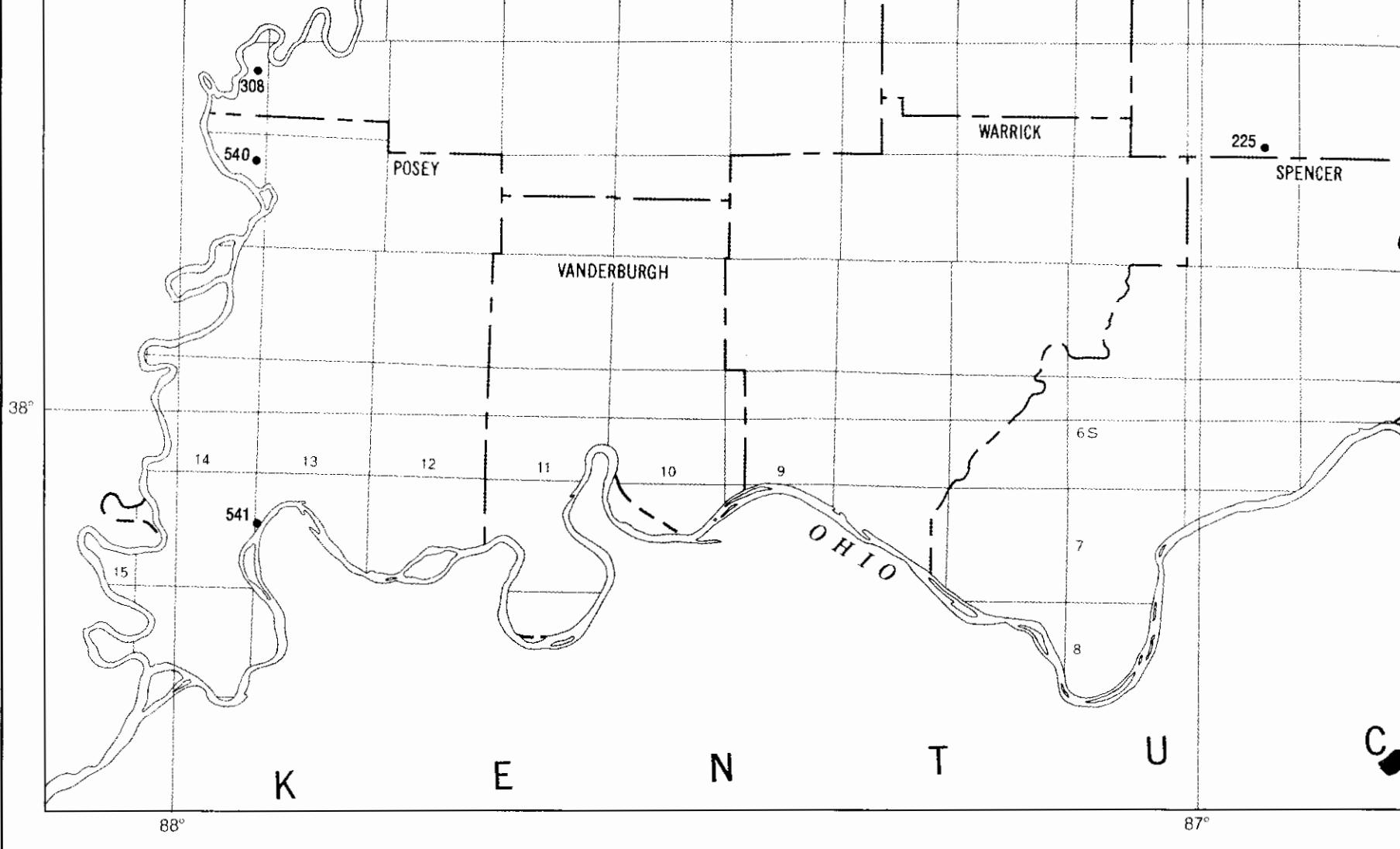






INDIANA SHOWING LOCATIONS OF WELLS IN DEEP-WELL DATA BASE

Compiled by B. D. Keith and J. T. Cazee,
October 31, 1983



Base modified from U.S. Geological Survey
Base Map of Indiana; 1950.

MAP OF INDIANA SHOW