

# Catalog of Core Samples of the Indiana Geological Survey

By SHERRY CAZEE

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DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY DIRECTORY 9



## AUTHOR OF THIS DIRECTORY

Sherry Cazee is a staff member and the supervisor of the core:  
library of the Geological Survey, Bloomington, IN 47405.

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*By* SHERRY CAZEE

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## CONTENTS

	Page
Introduction . . . . .	1
Acknowledgments . . . . .	1
Information in the core catalog . . . . .	1
Permit number . . . . .	1
Operator, farm, and well number. . . . .	1
County and location . . . . .	1
Total depth . . . . .	2
Cored interval . . . . .	2
Cored stratigraphic unit. . . . .	2
File number . . . . .	2
Index number. . . . .	2

## ILLUSTRATIONS

	Page
Figure 1 Map of Indiana showing county locations and county seats. . . . .	3
2 Chart showing named stratigraphic units in Indiana . . . . .	4

## TABLES

	Page
Table 1 Indiana well cores . . . . .	5
2 Out-of-state well cores. . . . .	78
3 Cores by stratigraphic unit. . . . .	79

# CATALOG OF CORE SAMPLES OF THE INDIANA GEOLOGICAL SURVEY

By Sherry Cazeo

## INTRODUCTION

This catalog is an index of the core filed in the core library of the Indiana Geological Survey. The holdings in the library may be used by the public for research and for the development of a better understanding of the stratigraphic sequence of Indiana.

About 700 cores are filed in the collection. And all but six are from holes drilled in Indiana (tables 1 and 2). More than half of these cores were obtained with equipment operated by the Geological Survey, and the rest were donated by the oil and mineral industries. Many of the cores have been chipped and added to the sample library of drill cuttings, which is a separate facility containing nearly 13,000 sample tests.

The cores are split in half by a core splitter that provides a fresh unaltered surface for examination. All cores are stored in numbered cardboard boxes that correspond to an internal file system. Facilities for examining the cores include examination space, microscopes, and lamps. Also available in the core-examination area are a microfiche file of individual-well data and a microfiche reader that may be used in conjunction with the core-examination. Cores may be examined at the core library from 8:00 a.m. to 5:00 p.m. (year-round EST) Monday through Friday. By arrangement small samples may be obtained from the cores for specialized research involving destructive analysis. After-hours examination or loan of cores is not permitted. A map showing distribution of the cores within Indiana is available upon request.

Persons wishing to use the core facility should contact the Petroleum Section, Geological Survey, 611 North Walnut Grove, Bloomington, IN 47405. Telephone 812 335-5412.

## ACKNOWLEDGEMENTS

Acknowledgement is due to Jimmy J. Johnson, John A. Rupp, and Victoria L. Warren, all of whom made a special effort to assist me in computer processing this compilation.

## INFORMATION IN THE CORE CATALOG

### PERMIT NUMBER

The permit number is a unique number assigned to each petroleum-related well in Indiana by the Division of Oil and Gas, Department of Natural Resources. If multiple permit numbers have been assigned to a single well because of workover conversions, the most recent permit number is listed. Wells that predate the permitting procedure or that are not petroleum related are indicated by the dashes in the column designating the permit number. More recently permitted non-petroleum wells are designated by a number and the suffix NP. A few wells are listed with a permit number and the suffix CST, which indicates that a country stratigraphic-test permit was used to allow the drilling of several wells under one assigned permit number.

### OPERATOR, FARM, AND WELL NUMBER

The name of the operator and the farm name have been abbreviated to conserve space. Individual well numbers are included for additional identification.

### COUNTY AND LOCATION

All wells are listed in alphabetical order by county (fig. 1) and by section, township, and

## OF THE INDIANA GEOLOGICAL SURVEY

range. Exact locations can be determined by using the records on file in the Petroleum Section of the Geological Survey.

## TOTAL DEPTH

The total depth is the actual drilled depth of the well.

## CORED INTERVAL

The cored interval represents the part of the well that was cored. Cored intervals indicated are not necessarily continuous. The footages indicated are the upper and lower bounds of the cores that are cataloged.

## CORED STRATIGRAPHIC UNIT

The cored stratigraphic unit is that part of

The stratigraphic sequence (fig. 2) encompassed by the core on file.

## FILE NUMBER

This is the number that the Geological Survey assigns to each core as it is filed.

## INDEX NUMBER

The index number is an arbitrary number assigned to each well in this catalog. The numbers begin with 1, the first entry, and continue through 697, the last entry in the catalog. These numbers are used to cross reference cores by stratigraphic unit in table 3. Cores that contain a given stratigraphic unit are listed sequentially by the index number in this table.



Figure 1. Map of Indiana showing county locations and county seats.

## CATALOG OF CORE SAMPLES OF THE INDIANA GEOLOGICAL SURVEY

SYSTEM	STRATIGRAPHIC UNIT NAMES USED IN THIS CATALOG		
PENNSYLVANIAN	undifferentiated		
	Degonia Sandstone		
	Clare Limestone		
	Palestine Sandstone		
	Menard Limestone		
	Waltersburg Sandstone		
	Vienna Limestone		
	Tar Springs Formation		
	Glen Dean Limestone		
	Hardinsburg Formation		
	Haney Limestone (Golconda Limestone)		
	Big Clifty Formation (Jackson Sand)		
	MISSISSIPPIAN	Beech Creek Limestone (Barlow Lime)	
		Cypress Formation	
Reelsville Limestone (Upper Paint Creek Limestone)			
Sample Formation (Paint Creek Limestone)			
Beaver Bend Limestone(Lower Paint Creek Limestone)			
Bethel Formation			
Renault Formation			
Aux Vases Formation			
Ste. Genevieve Limestone			
St. Louis Limestone			
Salem Limestone			
Harrodsburg Limestone			
Muldraugh Formation			
Borden Group			
Rockford Limestone			
New Albany Shale			
Ellsworth Shale			
Antrim Shale			
DEVONIAN		Muscatatuck Group	
		Geneva Dolomite Member	
	New Harmony Group		
SILURIAN	undifferentiated		
	Maquoketa Group		
ORDOVICIAN	Trenton Limestone	Lexington Limestone	
	Black River Group		
CAMBRIAN	Ansell Group		
	Knox Supergroup		
	Davis Formation and equivalents		
PRECAMBRIAN	Eau Claire Formation		
	Mount Simon Sandstone		
	undifferentiated		

Figure 2. Chart showing named stratigraphic units in Indiana.

Table 1. INDIANA WELL CORES

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
34096	Mitchell Inc. 2B-34 Wagley et al	Adams 34-25N-13E	1870	1025-1113	Trenton	516	1
-----	Indiana Geological Survey SDH-138 Karsch Stone Co.	Adams 31-25N-15E	210	14-210	Silurian Maquoketa	320	2
499 NP	Indiana Geological Survey SDH-312 Meshberger Bros.	Adams 4-26N-15E	380	24-380	Silurian Maquoketa	627	3
37904	F & M Oil Co. 1 Sipe, John	Adams 19-26N-15E	1765	1097-1134	Trenton	571	4
-----	Indiana Geological Survey SDH-139 Central Soya Co.	Adams 28-28N-14E	460	32-460	Silurian	321	5
48 NP	Indiana Geological Survey SDH-220 Stone-Street Gravel Inc.	Allen 28-29N-13E	530	60-530	Silurian Maquoketa	501	6
31927	NIPSCO 1 Leuenberger, Betty et al	Allen 14-29N-14E	3672	1730-3672	Black River Ansell Knox Eau Claire Mount Simon Precambrian	438	7
-----	May Sand & Gravel Co. 3 May Sand & Gravel Co.	Allen 29-30N-12E	423	34-420	Muscatatuck Silurian	142	8
-----	Indiana Geological Survey SDH-170 Midwest Aggr. Corp.	Allen 9-30N-15E	430	48-430	Muscatatuck Silurian	418	9

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
26800	Turner, J. D. 1 Score, Lloyd	Allen 2-31N-13E	1784	1570-1754	Trenton	475	10
26564	IN Farm Bureau Coop. Assoc. 1 Baatz, Herman	Allen 11-31N-13E	1757	1704-1729	Trenton	246	11
26536	IN Farm Bureau Coop. 1 Blume, Charles & Nora	Allen 11-31N-13E	1764	1554-1695	Trenton	478	12
26475	IN Farm Bureau Coop. Assoc. 1 Buhr, Paul C	Allen 11-31N-13E	2065	1617-1691	Trenton	479	13
-----	Indiana Geological Survey SDH-188 May Stone & Sand Inc.	Allen 23-31N-14E	294	63-294	Muscatatuck Silurian	452	14
24212	NIPSCO 1 Smith, Donald	Allen 15-32N-11E	2218	230-2218	Muscatatuck Silurian Maquoketa Trenton Black River Ansell Knox	688	15
24856	NIPSCO 1 Wakeland, L. M.	Allen 33-32N-12E	3571	259-3571	Muscatatuck Silurian Maquoketa Trenton Black River Ansell Knox Eau Claire Mount Simon	250	16

25637	NIPSCO 1 Miller, Victor	Allen 10-32N-13E	1825	288-1820	Muscatatuck Silurian Maquoketa Trenton	632	17
614 NP	Indiana Geological Survey SDH-324 Speaker, Francis	Bartholomew 10-7N-5E	195	43-190	New Albany Muscatatuck	649	18
571 NP	Indiana Geological Survey SDH-319 Piercefield, Allen	Bartholomew 8-8N-5E	240	60-240	Borden Rockford New Albany Muscatatuck	639	19
-----	Indiana Geological Survey SDH-21 Meshberger Stone Co.	Bartholomew 5-8N-7E	295	20-295	New Albany Muscatatuck Geneva Silurian Maquoketa	128	20
-----	Indiana Geological Survey SDH-22 Armuth, Fred	Bartholomew 9-10N-6E	63	58-63	Muscatatuck Geneva	129	21
-----	Indiana Geological Survey SDH-9 Hawkins, James S.	Benton 6-25N-9W	267	48-267	Borden Rockford New Albany	107	22
-----	Indiana Geological Survey SDH-88 -----	Benton 6-26N-9W	90	36-90	Borden	238	23
-----	Indiana Geological Survey SDH-80 Strassberger, Louis	Benton 14-26N-9W	841	12-841	Borden Rockford New Albany Muscatatuck Silurian	226	24
137 NP	Indiana Geological Survey SDH-260 Muncie Stone Co.	Blackford 3-24N-11E	250	20-250	Silurian	543	25
34096	Mitchell Inc. 16D-27 Johnson, F. & S.	Blackford 27-24N-11E	2395	975-1513	Trenton Black River Knox	517	26

TABLE 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Indiana Geological Survey SDH-196 Salem Valley Farms	Boone 5-17N-2E	640	200-640	New Albany Muscatatuck Silurian Maquoketa	472	27
15064	Thompson, A. R. 1-F Uhler, Lyle G.	Boone 5-18N-1W	447	437-44T	Muscatatuck	111	28
15113	Thompson, A. R. 1-D Roy, Randall	Boone 26-19N-2W	573	462-573	New Albany Muscatatuck Silurian	100	29
-----	Indiana Geological Survey SDH-241 Moneto Church Camp	Brown 24-9N-3E	400	8-400	Borden Rockford New Albany Muscatatuck	515	30
151 NP	Indiana Geological Survey SDH-264 Hodges, Frank	Carroll 24-25N-1W	340	25-340	Silurian	546	31
144 NP	Indiana Geological Survey SDH-262 Crume, Robert	Carroll 25-25N-1W	340	25-340	Silurian	545	32
85 NP	Indiana Geological Survey SDH-244 Delphi Limestone, Inc.	Carroll 19-25N-2W	550	8-549	Silurian Maquoketa	527	33
183 NP	Indiana Geological Survey SDH-269 Delphi Limestone Co.	Carroll 19-25N-2W	420	21-420	Muscatatuck Silurian	555	34
183 NP	Indiana Geological Survey SDH-271 Delphi Limestone Quarry	Carroll 19-25N-2W	380	11-380	Silurian	556	35

CATALOG OF CORE SAMPLES OF THE INDIANA GEOLOGICAL SURVEY

318 NP	Indiana Geological Survey SDH-295 Delphi Limestone, Inc.	Carroll 20-25N-2W	120	20-120	Silurian	575	36
318 NP	Indiana Geological Survey SDH-298 Delphi Limestone, Inc.	Carroll 20-25N-2W	450	40-450	Silurian	576	37
183 NP	Indiana Geological Survey SDH-268 Delphi Limestone, Inc.	Carroll 25-25N-3W	390	25-390	Silurian	553	38
-----	Indiana Geological Survey SDH-98 Lowe, Harold & Dorothy	Cass 31-27N-1E	150	2-150	Silurian	242	39
-----	Indiana Geological Survey SDH-97 Neff, Floyd R.	Cass 32-27N-1E	189	5-189	Silurian	241	40
-----	Indiana Geological Survey SDH-105 Cass County	Cass 36-27N-1W	215	0-215	Silurian	248	41
32067	NIPSCO 1 Burton, F. E.	Cass 6-28N-1E	3138	2350-2975	Eau Claire Mount Simon	456	42
32282	NIPSCO 3 House, M.	Cass 1-28N-1W	2850	2060-2180	Eau Claire	465	43
22297	NIPSCO 1 Skinner, Gale M. & Glada	Cass 10-28N-1W	2251	85-2251	Silurian Maquoketa Trenton Black River Ancell Knox Eau Claire	227	44
32252	NIPSCO 2 Schmaltz, Elmer & Jessie	Cass 21-28N-1W	3300	2905-3110	Eau Claire Mount Simon	460	45
-----	Indiana Geological Survey SDH-185-A Staples, Allan	Clark Gr.234-1N-6E	280	10-280	Borden Rockford New Albany Muscatatuck	441	46

TABLE 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Southern Ind. Oil Shale Dev. Co. 1 Roach, Lois	Clark Gr. 241-1N-7E	153	27-153	Rockford New Albany Muscatatuck	606	47
-----	Southern Ind. Oil Shale Dev. Co. 1 Bowell, Leon	Clark Gr. 260-2N-7E	187	55-187	Borden Rockford New Albany Muscatatuck	607	48
296 NP	Indiana Geological Survey SDH-290 Clark Co. State Forest	Clark Gr. 283-2N-7E	276	124-242	Rockford New Albany Muscatatuck	577	49
-----	Southern Ind. Oil Shale Dev. Co. 1 McRae, Don	Clark Gr. 286-2N-7E	138	9-138	Rockford New Albany Muscatatuck	608	50
-----	Indiana Geological Survey SDH-147 Dieterlen, Ralph	Clark Gr. 246-2N-8E	350	33-350	New Albany Muscatatuck Silurian Maquoketa	330	51
-----	Indiana Geological Survey SDH-70 Louisville Cement Co.	Clark Gr. 146-1S-6E	191	7-191	Borden New Albany Muscatatuck	196	52
27634	Indiana Gas & Water Co. Inc. 1 Ross, Carl P.	Clark Gr. 93-1S-7E	1608	10-1608	Silurian Maquoketa Lexington Black River Ansell Knox	332	53

-----	Indiana Geological Survey SDH-145 Louisville Cement Co.	Clark Gr. 132-1S-7E	220	20-220	Silurian Maquoketa	328	54
-----	Indiana Geological Survey SDH-146 Lane	Clark Gr. 79-1S-8E	190	20-190	Muscatatuck Silurian Maquoketa	329	55
43202	Ernst, Keith M. 2 Sticklers, Robert L.	Clay 10-9N-6W	1547	1502-1538	New Albany Muscatatuck	664	56
18661	Kuhn, Kenneth W. 1 Liston et al	Clay 16-9N-7W	304	232-249	Pennsylvanian	156	57
26366	Sun Oil Co. 1 Liston, Mary E.	Clay 16-9N-7W	338	237-338	Pennsylvanian	453	58
31 NP	Indiana Geological Survey SDH-217 Coopriders, Wendell	Clay 36-9N-7W	230	20-230	Pennsylvanian	498	59
-----	Indiana Geological Survey SDH-19-A Gillespie Coal Mine	Clay 31-10N-6W	88	11-88	Pennsylvanian	122	60
-----	Indiana Geological Survey SDH-19-B Gillespie Coal Mine	Clay 31-10N-6W	359	51-359	Pennsylvanian Beech Creek	124	61
42099	Buttercup Energy 1 Pensinger, Rachel	Clay 32-10N-6W	6751	1705-4088	Geneva Silurian Trenton Ansell Knox	640	62
7399	Burrage, W. G. 1 Harris, Maggie	Clay 20-10N-7W	1878	1684-1721	New Albany Muscatatuck	36	63
-----	Indiana Geological Survey SDH-186 Fischer, John	Clay 23-11N-6W	558	30-559	Pennsylvanian Bethel Renault Aux Vases Ste. Genevieve St. Louis Salem	444	64

Table 1. INDIANA WELL CORES---Continued

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
548 NP	Indiana Geological Survey SDH-317 Meadowlark Farms	Clay 29-12N-7W	336	37-336	Pennsylvanian	641	65
7616	Cook, Walter C. Jr. 1 Acree, Everett 8 Strachan, Ed	Clay 30-12N-7W	1620	1571-1591	New Albany Muscatatuck	7	66
27089	Panhandle Eastern Pipe Line Co. 1-3 Pell, F.	Clay 3-13N-6W	1450	1408-1419	Geneva	613	67
30245	Panhandle Eastern Pipe Line Co. 1-4 Marks, J. et al	Clay 4-13N-6W	1555	1215-1342	New Albany Muscatatuck Geneva	616	68
30244	Panhandle Eastern Pipe Line Co. 1-7 Stewart Estate, B.	Clay 7-13N-6W	1731	1235-1394	New Albany Muscatatuck Geneva Silurian	614	69
29655 CST	Panhandle Eastern Pipe Line Co. 2-8 Wardenburg, D.	Clay 8-13N-6W	1136	843-1021	Borden	615	70
-----	Indiana Geological Survey SDH-18 Girton, Leo	Clay 21-13N-6W	100	16-100	Pennsylvanian	121	71
7993	Carter Oil Co. 1 Archer, James D- & Flora	Clay 3-13N-7W	1912	1376-1709	Silurian	112	72
-----	Palm, Dr. John 1 Fuller, Ray	Clay 10-13N-7W	45	29-45	Pennsylvanian	144	73

505 NP	Indiana Geological Survey SDH-313 Hy-Rock Products Co.	Crawford 7-2S-2E	300	9-300	Big Clifty Beech Creek Cypress Reelsville Sample Beaver Bend Bethel Renault Aux Vases Ste. Genevieve	626	74
-----	Indiana Geological Survey SDH-114 Harrison, Robert	Crawford 20-2S-2W	850	696-850	St. Louis	265	75
-----	Ind. Flood Ctrl. & Water Res. Comm. B-1 U.S.A.	Crawford 21-4S-1E	79	64-72	Ste. Genevieve	292	77
-----	Ind. Flood Ctrl. & Water Res. Comm. B-4 Stephenson, I. & McDaniel, A.&E.	Crawford 22-4S-1E	115	15-115	Cypress Beaver Bend Bethel Renault Aux Vases Ste. Genevieve	293	77
-----	Ind. Flood Ctrl. & Water Res. Comm. B-7 Stephenson, I. & McDaniel, A.&E.	Crawford 22-4S-1E	66	6-66	Cypress Beaver Bend Bethel Renault	294	78
-----	Ind. Flood Ctrl. & Water Res. Comm. B-9 Stephenson, I. & McDaniel, A.&E.	Crawford 22-4S-1E	23	13-23	Bethel	295	79
-----	Ind. Flood Ctrl. & Water Res. Comm. B-11 Stephenson, I. & McDaniel, A.&E.	Crawford 22-4S-1E	66	6-21	Cypress	296	80
-----	Ind. Flood Ctrl. & Water Res. Comm. B-12 Stephenson, I. & McDaniel, A.&E.	Crawford 22-4S-1E	73	4-73	Cypress Beaver Bend Bethel	297	81

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Indiana Geological Survey SDH-189 Mulzer Bros.	Crawford 25-4S-1E	220	10-212	Reelsville Sample Beaver Bend Bethel Renault Aux Vases Ste. Genevieve	454	82
-----	Indiana Geological Survey SDH-190 Mulzer Bros. Quarry	Crawford 25-4S-1E	500	15-500	Ste. Genevieve St. Louis Salem	457	83
7734	Lindsay, Forrest H. 1 Harder, Edgar & Clara	Daviess 11-1N-5W	2017	1075-1872	Salem Muscatatuck	13	84
7735	Lindsay, Forrest H. 1 Hammersly, Minta B. et al	Daviess 3-1N-6W	2337	2141-2145	Muscatatuck	11	85
-----	Indiana Geological Survey SDH-73 Jackman	Daviess 14-1N-6W	505	25-505	Pennsylvanian Glen Dean	211	86
-----	Indiana Geological Survey SDH-187 Burton, Don	Daviess 23-2N-7W	300	31-300	Pennsylvanian	451	87
8967	B. L. S. Drlg. Co. 1 Allison, Joseph	Daviess 35-2N-7W	1117	651-656	Pennsylvanian	75	88
8319	National Assoc. Petroleum Co. 1-Comm.Lambert,Mattingly&Loughmiller	Daviess 28-3N-6W	2330	2212-2257	Muscatatuck	68	89
8279	B. L. S. Drlg. Co. 1 Hicks, Preston H.	Daviess 24-3N-7W	1769	1598-1616	St. Louis	24	90

39770	Irex Corp. 1-18 Miller, Martin	Daviess 18-4N-5W	1086	607-627	Aux Vases	595	91
39741	Irex Corp. 1-28 Stuffle, Claire	Daviess 28-4N-5W	1055	569-589	Aux Vases	596	92
9232	Tetman, Jack 1 Simms, Ada	Daviess 2-4N-6W	738	734-738	Ste. Genevieve	76	93
9182	Sohio Petroleum Co. 1 Bowman, Hazel P.	Daviess 9-4N-6W	2222	2022-2222	Muscatatuck Silurian	74	94
-----	Indiana Geological Survey SDH-198 Peabody Coal Co.	Daviess 9-4N-6W	85	21-85	Pennsylvanian	473	95
-----	Indiana Geological Survey SDH-102 Central Ind. Coal Co.	Daviess 16-4N-6W	340	35-340	Pennsylvanian	247	96
43574	Devon Energy Corp. 1 McBride, B. & Foust, D.	Daviess 2-4N-7W	773	711-729	Aux Vases	41	97
43573	Devon Energy Corp. 2 McBride, B. & Foust, D.	Daviess 2-4N-7W	780	717-733	Aux Vases	67	98
8097	National Assoc. Petroleum Co. 1-B Foust, W. C.	Daviess 2-4N-7W	1250	771-777	Aux Vases	42	99
8392	National Assoc. Petroleum Co. 1-Comm. Killion, Ernest & Shull	Daviess 2-4N-7W	758	710-745	Aux Vases Ste. Genevieve	39	100
8395	National Assoc. Petroleum Co. 2-Comm. Killion, Ernest & Schull	Daviess 2-4N-7W	771	704-726	Ste. Genevieve	40	101
8503	National Assoc. Petroleum Co. 2-Comm. Killion, Ralph	Daviess 2-4N-7W	766	712-737	Aux Vases	70	102
7990	National Assoc. Petroleum Co. 1-A Meurer, Lockie	Daviess 2-4N-7W	2224	1109-2131	Salem Borden Muscatatuck Silurian	43	103

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
8468	National Assoc. Petroleum Co. 1 Meurer, L. & Proctor, C. & J.	Daviess 2-4N-7W	764	711-730	Aux Vases	66	104
8450	National Assoc. Petroleum Co. 1 Nowling, Wm. M.	Daviess 2-4N-7W	761	700-723	Aux Vases	63	105
8469	National Assoc. Petroleum Co. 2 Nowling, Wm. M.	Daviess 2-4N-7W	775	713-738	Aux Vases	64	106
8318	National Assoc. Petroleum Co. 1-Comm. Proctor, Julia et al	Daviess 2-4N-7W	795	735-795	Aux Vases Ste. Genevieve	65	107
42389	General American Oil Co. 1-5 Malone, Herschel L.	Daviess 5-5N-5W	2540	2024-2079	Silurian	663	108
42387	General American Oil Co. 1-21 Graber, Reuben	Daviess 21-5N-5W	2462	1810-1865	Muscatatuck Silurian	662	109
-----	Indiana Geological Survey SDH-101 Ledgerwood, Wm- D.	Daviess 25-5N-5W	330	20-330	Pennsylvanian	224	110
8568	B. L. S. Drlg. Co. 1 Slinkard, Orpha	Daviess 11-5N-6W	1074	647-661	Ste. Genevieve	25	111
28 NP	Indiana Geological Survey SDH-213 Whisman, B. D.	Daviess 8-5N-6W	300	20-300	Pennsylvanian	491	112
-----	Indiana Geological Survey SDH-124 Newpoint Stone Quarry	Decatur 8-10N-11E	949	13-949	Maquoketa Trenton Black River	279	113

29547	Gulf Oil Corp. 1 Osborn, Frank	Decatur 33-12N-11E	1775	1525-1575	Ancell Knox	316	114
29511	Harris, Lloyd A. 1 Newman, Phillip T.	Delaware 7-20N-9E	1431	927-1386	Trenton Knox	314	115
-----	Indiana Geological Survey SDH-237 Stephenson, Richard	Delaware 14-20N-9E	159	38-159	Silurian	511	116
-----	Indiana Geological Survey SDH-96 Walker, Marietta	Delaware 14-20N-9E	199	19-199	Silurian	240	117
-----	Indiana Geological Survey SDH-238 Tomlinson, Earl	Delaware 15-20N-9E	120	22-120	Silurian	512	118
-----	Irving Bros. Gravel Co. Inc. 1 -----	Delaware 25-21N-10E	166	26-166	Silurian	209	119
-----	Irving Bros. Gravel Co. Inc. B-1 Irving Bros. Quarry	Delaware 25-21N-10E	205	0-205	Silurian Maquoketa	269	120
-----	Indiana Geological Survey SDH-236 Muncie Stone Co.	Delaware 23-22N-10E	200	5-200	Silurian Maquoketa	510	121
-----	Indiana Geological Survey SDH-47 Lagenour, G.	Dubois 16-1N-3W	150	60-127	Pennsylvanian	166	122
-----	Indiana Geological Survey SDH-82 Ziegler, Jacob	Dubois 31-1N-3W	285	15-285	Pennsylvanian Glen Dean Hardinsburg Haney	229	123
-----	Indiana Geological Survey SDH-63 Freyberger	Dubois 32-1N-4W	388	13-388	Pennsylvanian Tar Springs Glen Dean	182	124
34129	McHale, Frank M. 1 Sendelweck, Ed J. & Oleta	Dubois 32-1N-4W	1926	934-963	St. Louis Salem	522	125

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Indiana Geological Survey SDH-71 Dykes	Dubois 36-1N-6W	390	25-287	Pennsylvanian	197	126
-----	Indiana Flood Control BH-14 Purdue University	Dubois 1-1S-3W	219	125-219	Glen Dean Hardinsburg Haney Big Clifty	287	127
-----	Indiana Geological Survey SDH-83 Kalb, Ralph	Dubois 11-1S-3W	212	20-212	Tar Springs Glen Dean Hardinsburg Haney Big Clifty Beech Creek Cypress	230	128
-----	Indiana Flood Control BH-16 Peiper, John	Dubois 14-1S-3W	190	92-190	Glen Dean Hardinsburg Haney Big Clifty	289	130
-----	Indiana Flood Control BH-24 Welp	Dubois 15-1S-3W	227	133-227	Glen Dean Hardinsburg Haney Big Clifty	289	130
45658	North Central Oil Corp. 1 Zehr, Armin W.	Dubois 1-1S-4W	1959	1738-1756	Muscatatuck	698	131

632 NP	Buttercup Energy 1 Zehr, Armin	Dubois 2-1S-4W	3100	2984-3004	Trenton	699	132
572 NP	Indiana Geological Survey SDH-320 Schroeder, Walter & Marie	Dubois 14-2S-3W	577	7-577	Pennsylvanian Palestine Waltersburg Vienna Tar Springs Glen Dean Hardinsburg Haney Big Clifty Beech Creek Cypress Reelsville Sample Beaver Bend Bethel Renault Aux Vases Ste. Genevieve	643	133
8599	National Assoc. Petroleum Co. 1 Hochgesang, James F.	Dubois 7-2S-4W	1274	688-1215	Aux Vases Ste. Genevieve St. Louis Salem	618	135
40081	Anschutz Corp. 16-19 Voelkel	Dubois 19-2S-5W	3700	2080-2110	New Albany	618	135
1509	Ohio Oil Co. 4 Neu, Anna	Elkhart 1-37N-4E	525	509-516	Muscatatuck	56	136
1510	Ohio Oil Co. 5 Merchants National Bank	Elkhart 28-38N-5E	575	564-571	Muscatatuck	55	137
29731	Gulf Oil Corp. 1 Bunzendahl, John W.	Fayette 20-13N-12E	1500	1300-1342	Ancell Knox	322	138

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
29608	Geo. Res. & Consulting Assoc. Inc. 1 Gettinger, Lowell	Fayette 7-13N-13E	951	750-951	Maquoketa Trenton	327	139
29052	Gulf Oil Corp. 1 Scott, Perry W.	Fayette 32-13N-13E	3955	1372-1416	Ancell Knox	304	140
-----	Indiana Geological Survey SDH-184-A Kamer, R. K.	Floyd 26-1S-6E	190	10-190	Borden New Albany	439	141
426 NP	North American Exploration Inc. INFL-5 VonAllen, Theodore J.	Floyd 28-1S-6E	547	425-536	New Albany Muscatatuck	684	142
426 NP	North American Exploration Inc. INFL-3 Sperzel, Albert J.	Floyd 19-2S-6E	620	500-613	New Albany Muscatatuck	685	143
-----	Indiana Geological Survey SDH-309 Eve, Norman	Floyd 16-3S-6E	170	50-170	Borden New Albany Muscatatuck	612	144
426 NP	North American Exploration Inc. INFL-1 Summers, Kenneth	Floyd 1-4S-5E	259	144-229	New Albany	700	145
-----	Indiana Geological Survey SDH-65 Tunin, Cecil	Fountain 33-18N-7W	345	50-345	Pennsylvanian	190	146
-----	Indiana Geological Survey SDH-66 Tunin, Cecil	Fountain 33-18N-7W	389	6-185	Pennsylvanian	191	147
3678	Riggs, E. A. & Dice, Wm. A. 1 Perigo, Ivoe	Fountain 4-18N-8W	1937	938-1148	New Albany Muscatatuck	77	148

-----	Engineering Drilling Co. 3-B Samuels	Fountain 15-18N-9W	94	76-94	Pennsylvanian	183	149
-----	Engineering Drilling Co. 1 Randolph	Fountain 27-18N-9W	124	40-119	Pennsylvanian	184	150
630 NP	Indiana Geological Survey SDH-328 Nixon, Lynn	Fountain 16-19N-6W	800	79-800	Borden Rockford New Albany Muscatatuck	665	151
-----	Ball Bros. 3 Burlington	Fountain 19-21N-7W	96	20-96	Pennsylvanian	116	152
-----	Ball Bros. 4 Burlington	Fountain 19-21N-7W	101	30-101	Borden	117	153
-----	Ball Bros. 1 Burlington	Fountain 24-21N-8W	104	13-104	Pennsylvanian Borden	114	154
-----	Ball Bros. 2 Burlington	Fountain 24-21N-8W	101	11-101	Pennsylvanian	115	155
24912	Indiana Gas & Water Co. Inc. 56 Banes, Harold, G.	Fountain 16-22N-6W	265	53-263	Borden New Albany Muscatatuck Silurian	449	156
29101	Gulf Oil Corp. 1 Lamping, John W.	Franklin 29-11N-12E	3470	1238-1287	Ancell Knox	307	157
29100	Gulf Oil Corp. 1 Lohrey, Adam Jr.	Franklin 3-11N-13E	3336	1150-1200	Ancell Knox	305	158
29232	Gulf Oil Corp. 1 Denny, Robert C.	Franklin 8-12N-12E	1594	1465-1511	Ancell Knox	309	159
31865	Northern Ind. Public Service Co. 1 Burns, J. & R.	Fulton 16-29N-1E	3175	2800-3055	Eau Claire Mount Simon	442	160

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
29391	Northern Ind. Public Service Co. 1 Morphet, E. L.	Fulton 17-29N-1E	3023	160-3023	Silurian Maquoketa Trenton Black River Ancell Knox Eau Claire Mount Simon	437	161
32329	Northern Ind. Public Service Co. 1 Todd, A. & B.	Fulton 19-29N-1E	3150	2860-3025	Mount Simon	464	162
31717	Northern Ind. Public Service Co. 6 Hiatt, B.	Fulton 32-29N-1E	3175	2755-2950	Eau Claire Mount Simon	443	163
31162	Northern Ind. Public Service Co. 2 Pheil, W.	Fulton 32-29N-1E	4056	4049-4056	Precambrian	417	164
628 NP	Indiana Geological Survey SDH-327 U.S. Property (Midstates)	Gibson 18-1S-9W	600	31-600	Pennsylvanian	656	165
22991 CST	Texas E. Transmission Corp. 1 Texas E. Transmission Corp.	Gibson 27-2S-9W	500	81-499	Pennsylvanian	201	166
575 NP	Indiana Geological Survey SDH-322 Consolidated Coal Co.	Gibson 29-2S-9W	515	36-514	Pennsylvanian	644	167
23508	Lewis, Arnold 1 Jones, Edward & Blanch	Gibson 2-2S-11W	2077	919-949	Pennsylvanian	623	168
39552	Sandy Ridge Oil Co. 4 Dyball, Billy	Gibson 20-2S-11W	2835	1986-2011	Cypress	647	169

371 NP	North American Coal Corp. INA-4 Public Service of Ind.	Gibson 33-1S-12W	805	176-804	Pennsylvanian	671	170
25584	Superior Oil Co. 1-Comm. Braselton, Paul et al	Gibson 24-2S-12W	4260	4192-4193	Muscatatuck	630	171
38559	Robinson Engineering 2 Robb, Elsie	Gibson 25-2S-12W	3228	2411-2434	Ste. Genevieve	582	172
310 NP	Indiana Geological Survey SDH-292 Marvel, Grover	Gibson 33-3S-9W	244	43-244	Pennsylvanian	572	173
310 NP	Indiana Geological Survey SDH-293 Speicher, Norman	Gibson 34-3S-9W	265	40-265	Pennsylvanian	573	174
310 NP	Indiana Geological Survey SDH-294 Spicer, Norman	Gibson 34-3S-9W	262	32-260	Pennsylvanian	574	175
20113	Fritz, A. J. 1 Kruse, Charles G.	Gibson 2-3S-10W	2002	1992-1996	Ste. Genevieve	624	176
1225	Continental Oil Co. 15 Keck, John	Gibson 27-3S-14W	3220	2606-3218	Cypress St. Louis	69	177
-----	Irving Bros. Gravel Co. Inc. 10 Lee, John	Grant 6-22N-7E	156	16-156	Silurian	223	178
-----	Irving Bros. Gravel Co. Inc. 14 Seeley, Herman	Grant 12-23N-6E	198	14-198	Silurian	222	179
-----	Irving Bros. Gravel Co. Inc. 5 Turner, John	Grant 12-23N-6E	149	15-149	Silurian	207	180
-----	Irving Bros. Gravel Co. Inc. 3 Rankin, Lawson	Grant 5-23N-7E	89	8-89	Silurian	208	181
-----	Indiana Geological Survey SDH-25 Fox, Ed	Grant 2-24N-6E	324	11-324	Silurian Maquoketa	132	182

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Irving Bros. Gravel Co. Inc. 16 Green, Wayne	Grant 12-23N-6E	184	14-184	Silurian	221	183
81 NP	Indiana Geological Survey SDH-243 Pipe Creek Jr.	Grant 12-23N-6E	380	14-380	Silurian Maquoketa	524	184
694 NP	Indiana Geological Survey SDH-335 Cates, Ron	Grant 16-24N-7E	358	4-357	Silurian Maquoketa	673	185
-----	Indiana Geological Survey SDH-26 Irving, Jake	Grant 35-25N-6E	116	11-116	Silurian	134	186
-----	Indiana Geological Survey SDH-27 Irving, Jake	Grant 35-25N-6E	63	19-63	Silurian	135	187
-----	Indiana Geological Survey SDH-28 Irving, Jake	Grant 35-25N-6E	130	28-130	Silurian	136	188
-----	Indiana Geological Survey SDH-29 Irving, Jake	Grant 35-25N-6E	85	17-85	Silurian	137	189
32950	McHale, Frank 1 Royal, T. C.	Greene 18-6N-4W	1801	764-787	Salem	468	190
40671	Citizens Gas & Coke Utility 1 Benham, et al G.	Greene 5-6N-5W	1660	1450-1511	New Albany	633	191
38034	Citizens Gas & Coke Utility 1 Rollison, Fred & Lucille	Greene 8-6N-5W	1719	1549-1670	Muscatatuck Silurian	600	192
8957	National Assoc. Petroleum Co. 1 Goodman, John H.	Greene 34-6N-7W	971	785-904	Aux Vases Ste. Genevieve	73	193

-----	Indiana Geological Survey SDH-131 Hash, Cyrus	Greene 10-7N-4W	400	170-400	Ste. Genevieve St. Louis Salem	298	194
-----	Pennsylvania Railroad Co. 1 East, Louis	Greene 5-7N-5W	673	365-673	Ste. Genevieve St. Louis	272	195
-----	Indiana Geological Survey SDH-208 Roudebush, Renos	Greene 29-7N-5W	810	375-810	Bethel Renault Aux Vases Ste. Genevieve St. Louis Salem	487	196
633 NP	Buttercup Energy Ltd. 1 Floyd, Roy	Greene 35-7N-5W	2600	1448-2492	New Albany Muscatatuck Trenton	703	197
29623	Citizens Byproducts Coal Co. 4 Evans, Ross	Greene 12-7N-6W	1700	1597-1698			
-----	Indiana Geological Survey SDH-210 Kramer, Clifford	Greene 18-7N-6W	300	20-300	Pennsylvanian	489	199
-----	Indiana Geological Survey SDH-212 Seismore	Greene 33-7N-6W	380	20-380	Pennsylvanian	490	200
8051	Sohio Petroleum Co. 1 Sherwood-Templeton Coal Co. Inc.	Greene 6-7N-7W	2312	2134-2312	Muscatatuck Geneva Silurian	10	201
23956	Citizens Gas & Coke Utility 1 Frump, John	Greene 10-7N-7W	2161	2115-2159	Muscatatuck	601	202
25280	Citizens Gas & Coke Utility 1 Richardson, Floyd & Francis	Greene 10-7N-7W	2045	1857-1992	Muscatatuck Geneva Silurian	602	203

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Indiana Geological Survey	Greene	198	32-198	Pennsylvanian	693	204
576 NP	SDH-340 Barnard, Nolda Buttercup Energy Ltd. 12 Heffelmire, Otto	18-7N-7W Greene 30-8N-4W	340	260-269	Ste. Genevieve	702	205
-----	Pennsylvanian Railroad Co. ----- Calvert, Truman	Greene 14-8N-5W	83	27-83	Pennsylvanian	92	206
-----	Pennsylvanian Railroad Co. ----- Mitten, Floyd	Greene 19-8N-5W	161	37-161	Pennsylvanian	93	207
32 NP CST	Indiana Geological Survey SDH-219 Bowersock	Greene 11-8N-6W	220	24-220	Pennsylvanian	500	208
32 NP CST	Indiana Geological Survey SDH-218 Flynn, Delbert	Greene 27-8N-6W	525	20-525	Pennsylvanian Bethel Renault	499	209
22640	Citizens Gas & Coke Utility 1 Dyer, Siebert	Greene 12-8N-7W	1714	824-1714	Salem Muscatatuck	603	210
-----	Indiana Geological Survey SDH-339 Warrick, Paul	Greene 16-8N-7W	164	16-164	Pennsylvanian	488	211
-----	Indiana Geological Survey SDH-209 Peabody Coal Co.	Greene 24-8N-7W	260	20-260	Pennsylvanian	488	212
21768	Markle, Wayne 3 Swaby, Audy	Greene 25-8N-7W	1816	1760-1775	Muscatatuck	604	213

-----	Teegarden, Paul 1 Teegarden, Paul	Hamilton 7-17N-3E	384	181-384	New Albany Muscatatuck Geneva Silurian	310	214
-----	American Testing & Eng. Co. 1 Irving Materials Inc.	Hamilton 2-17N-5E	88	36-88	Silurian	425	215
-----	Stony Creek Stone Co. 1 Stony Creek Quarry	Hamilton 2-18N-5E	54	0-54	Silurian	245	216
-----	Irving, F. W. --- Kingery	Hamilton 3-18N-5E	80	3-80	Silurian	90	217
-----	Irving Bros. Gravel Co. Inc. B-2 Stony Creek Stone Co.	Hamilton 3-18N-5E	207	0-207	Silurian Maquoketa	270	218
-----	Irving, F. W. ---Clark	Hamilton 4-18N-5E	69	17-69	Silurian	88	219
-----	Irving, F. W. --- Gulike	Hamilton 8-18N-5E	75	12-75	Silurian	89	220
-----	Indiana Geological Survey SDH-239 PSI Riverwood Power Plant	Hamilton 16-19N-5E	250	20-250	Silurian	513	221
29943	Gray, Ralph B. 1 Gray, Ralph B.	Hamilton 7-19N-6E	1602	867-892	Trenton	326	222
-----	Indiana Geological Survey SDH-11 -----	Hancock 28-15N-8E	220	50-220	Geneva Silurian Maquoketa	109	223
28321	Williams, J. & Harbert, L. 1 Copeland, Dale & Dorothy	Hancock 29-16N-7E	1752	1628-1752	Knox	300	224
29082	Williams, John F. & Harbert, L. 2 Moore, Mary	Hancock 32-16N-7E	1150	1020-1069	Trenton	306	225

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, And well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Indiana Geological Survey SDH-181 Deaton, Aaron	Harrison 35-1S-2E	860	40-860	St. Louis Salem Harrodsburg Muldraugh Borden Rockford New Albany	432	226
-----	Indiana Geological Survey SDH-180 Rothrock, Lena	Harrison 30-3S-3E	800	32-800	St. Louis Salem Harrodsburg Muldraugh Borden Rockford New Albany	428	227
-----	Indiana Geological Survey SDH-152 Harrison State Forest	Harrison 14-4S-2E	200	20-200	Sample Beaver Bend Bethel Renault Aux Vases Ste. Genevieve St. Louis	339	228
-----	Indiana Geological Survey SDH-346A Mathis Quarry	Harrison 13-4S-3E	125	10-125	Ste. Genevieve St. Louis	696	229
-----	Indiana Geological Survey SDH-346 Mathis Quarry	Harrison 13-4S-3E	140	10-140	Ste. Genevieve	695	230

-----	Indiana Geological Survey SDH-194 Sherman, Charles	Harrison 1-6S-3E	300	0-300	St. Louis Salem	467	231
438 NP	Indiana Geological Survey SDH-308 Knear, Edward	Harrison 3-6S-5E	350	200-350	Borden New Albany Muscatatuck Silurian	611	232
25818	Hyslope, Howard & Simpson, Wayne 1 Bishop, Lafe & Mary Ann	Hendricks 12-14N-1E	1972	1221-1935	Trenton Ancell Knox	186	233
-----	Indiana Geological Survey SDH-76 Cook, Glen H.	Hendricks 19-14N-1E	179	8-179	Borden	225	234
408 NP	Nye Metals Inc. 1 Carter, Russell & Helen	Hendricks 21-14N-2W	763	666-763	New Albany	599	235
-----	Indiana Geological Survey SDH-123 King, Everett	Henry 12-16N-9E	116	20-116	Silurian Maquoketa	275	236
-----	Indiana Geological Survey SDH-214 Weber, David	Henry 26-16N-9E	160	30-160	Silurian Maquoketa	492	237
-----	Yoeman Stone & Sand 1 Yoeman Stone & Sand	Howard 32-24N-3E	96	5-96	Silurian	567	238
-----	Indiana Geological Survey SDH-72 Continental Steel	Howard Res.-24N-3E	407	7-407	Silurian Maquoketa	210	239
22829	Clemens, Charles 1 Weber, Inel	Huntington 9-27N-8E	1045	994-1024	Trenton	200	240
-----	Heller Stone Co. 2 Creviston	Huntington 11-27N-10E	204	5-204	Silurian	203	241
290 NP	Indiana Geological Survey SDH-286 Satchwill, Raymond	Huntington 10-28N-8E	348	63-348	Silurian	565	242

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Irving Bros. Sand & Gravel Co. Inc. 2 Erie Stone Co.	Huntington 12-28N-9E	205	0-205	Silurian	277	243
29713 CST	Fenix & Scisson Inc. 3 Buckeye Pipe Line Co.	Huntington 7-28N-10E	536	12-536	Silurian Maquoketa	424	244
431 NP	Indiana Geological Survey SDH-305 Nehrt, Thelma	Jackson 9-4N-6E	220	63-220	Borden Rockford New Albany Muscatatuck	594	245
-----	Indiana Geological Survey SDH-149 Boknecht, Herb	Jackson 7-6N-5E	520	450-520	Silurian Maquoketa	335	246
309 NP	Indiana Geological Survey SDH-291 Schepman, Hugo & Paul	Jackson 27-6N-5E	311	173-310	New Albany Muscatatuck	578	247
-----	Indiana Geological Survey SDH-55 Carpenter	Jackson 36-7N-5E	98	46-98	Borden Rockford New Albany	174	248
-----	Texas E. Transmission Corp. 1 Texas E. Transmission Corp.	Jackson 27-7N-6E	503	66-503	New Albany Muscatatuck Geneva Silurian Maquoketa	161	249

35192	Texas E. Transmission Corp. 7 Texas E. Transmission Corp.	Jackson 27-7N-6E	496	35-496	New Albany Muscatatuck Geneva Silurian Maquoketa	539	250
417 NP	United States Steel Corp. IN-43 Loveless	Jasper 18-27N-6W	286	0-286	New Albany Muscatatuck Silurian	687	251
23380	Indiana Gas & Water Co. Inc. 1 Bahler, Erwin	Jasper 33-27N-6W	1077	45-1077	New Albany Muscatatuck Silurian Maquoketa Trenton	440	252
417 NP	United States Steel Corp. IN-3 Annis, R.	Jasper 24-27N-7W	277	0-277	Pennsylvanian New Albany Muscatatuck Silurian	655	253
-----	Indiana Geological Survey SDH-100 Budde, William	Jasper 26-27N-7W	149	11-149	New Albany Muscatatuck	243	254
417 NP	United States Steel Corp. IN-48 Knochel, Arthur	Jasper 28-27N-7W	386	0-386	Borden Rockford New Albany Muscatatuck Silurian	679	255
-----	Indiana Geological Survey SDH-52 -----	Jasper 21-28N-6W	156	30-156	New Albany Muscatatuck Silurian	171	256
-----	Indiana Geological Survey SDH-51 -----	Jasper 22-28N-6W	107	27-107	New Albany Muscatatuck Silurian	170	257
1738	Thomas, A. C. 1 Horton, Ferdinand	Jasper 1-29N-5W	1002	621-955	Maquoketa Trenton	60	258

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
32760	Northern Ind. Public Service Co. 1 Overmyer Farms	Jasper 16-29N-5W	3195	2620-2885	Eau Claire Mount Simon	85	259
-----	Indiana Geological Survey SDH-206 Babcock Construction Co.	Jasper 30-29N-6W	300	5-300	Muscatatuck Silurian	482	260
27994	Socony-Mobil Oil Co. Inc. CH-2 Corbin, E. & L.	Jasper 3-30N-5W	130	108-130	Muscatatuck	256	261
28017	Socony Mobil Inc. CH-6 Hopkins, H.	Jasper 4-30N-5W	160	113-160	Muscatatuck	258	262
28016	Socony Mobil Inc. CH-5 Sanders, Eldon	Jasper 4-30N-5W	128	85-128	Muscatatuck	257	263
28023	Socony Mobil Inc. CH-17 Savich, R.	Jasper 7-30N-5W	119	81-119	Muscatatuck	263	264
-----	Indiana Geological Survey SDH-53 -----	Jasper 2-30N-7W	78	52-78	Muscatatuck	172	265
1737	Thomas, A. C. 1 Davisson, Amos	Jasper 25-30N-7W	1101	731-968	Maquoketa Trenton	62	266
28019	Socony Mobil Oil Inc. CH-13 Becker, R. & D.	Jasper 21-31N-5W	161	111-161	Muscatatuck	261	267
28012	Socony Mobil Inc. CH-9 Williams, N.	Jasper 27-31N-5W	140	94-140	Muscatatuck	259	268
28021	Socony Mobil Inc. CH-15 Hershman, E. & O.	Jasper 32-31N-5W	150	110-150	Muscatatuck	262	269

27995	Socony-Mobil Oil Co. Inc. CH-1 Risner, T. & C.	Jasper 34-31N-5W	149	100-149	Muscatatuck	255	270
30006	Northern Ind. Public Service Co. 1 Boezman, H. & L.	Jasper 6-31N-7W	3658	705-3661	Maquoketa Trenton Black River Ancell Knox Eau Claire Mount Simon	435	271
-----	Indiana Geological Survey SDH-54 -----	Jasper 22-31N-7W	70	44-70	Muscatatuck Silurian	173	272
31590	Gunderson, N. E. 1 Knote, Harold W.	Jay 10-22N-12E	1508	1405-1431	Knox	436	273
30242	Moses & Stewart 1 Curts, Charles W.	Jay 25-22N-12E	1456	1401-1432	Knox	419	274
31157	Moses & Stewart 2 Curts, C. W.	Jay 25-22N-12E	1452	1366-1412	Knox	420	275
29674	Moses & Stewart 1-Unit Friddle, H. B.	Jay 25-22N-12E	1475	1350-1410	Black River	323	276
39099	Hamilton Enterprises 1 Nuckols, William	Jay 26-22N-14E	1503	1159-1178	Trenton	597	277
-----	Indiana Geological Survey SDH-44 Rockledge Products Co.	Jay 30-23N-14E	233	11-233	Silurian Maquoketa	164	278
34102	Mitchell Inc. 9D-9 Miller, Orville L.	Jay 9-24N-12E	1723	1006-1066	Trenton	518	279
34103	Mitchell Inc. 7D-11 Snyder, Larry D.	Jay 11-24N-13E	1802	979-1039	Trenton	519	280

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Indiana Geological Survey SDH-202 Huttshell, Stanley	Jefferson 30-2N-10E	300	20-300	Silurian Maquoketa	480	281
-----	Indiana Geological Survey SDH-38 Hill, James	Jefferson 22-4N-11E	428	21-428	Maquoketa Lexington	153	282
-----	Indiana Geological Survey SDH-179 Wolf, Bernard	Jefferson 29-4N-11E	220	15-220	Maquoketa	431	283
-----	Thomas, C. R. 1 Mull, Ron	Jennings 1-5N-7E	64	23-64	New Albany Muscatatuck	580	284
-----	Indiana Geological Survey SDH-24 Vance, J. R.	Jennings 4-5N-8E	200	23-200	New Albany Muscatatuck Geneva Silurian Maquoketa	131	285
-----	Thomas, C. R. 1 Kent, Bob	Jennings 23-6N-7E	104	33-104	New Albany Muscatatuck	581	286
-----	Thomas, C. R. --- Thomas, C. R.	Jennings 32-6N-8E	74	19-74	New Albany Muscatatuck	586	287
-----	Indiana Geological Survey SDH-60 Moore, J. O.	Jennings 4-6N-9E	68	35-68	Muscatatuck Geneva	180	288
-----	Indiana Geological Survey SDH-148 Shields, Willis	Jennings 31-7N-7E	330	114-330	Silurian Maquoketa	331	289
-----	Indiana Geological Survey SDH-61 Moore, J. C.	Jennings 33-7N-9E	32	19-32	Muscatatuck Geneva	181	290

672 NP	Indiana Geological Survey SDH-329 Compton, James	Johnson 3-11N-4E	280	117-280	Rockford New Albany Muscatatuck	670	291
-----	Indiana Geological Survey SDH-20 Oliver, Bill	Johnson 17-11N-5E	409	61-409	New Albany Muscatatuck Geneva Silurian Maquoketa	125	292
-----	Indiana Geological Survey SDH-106 Saxton Coal Co.	Knox 2-1N-8W	202	20-202	Pennsylvanian	249	293
171 NP	Indiana Geological Survey SDH-266 Parker, Roy	Knox 6-1N-10W	880	300-880	Pennsylvanian	551	294
37708	RAM Oil Co. 2 Seibel-Lane-State Unit	Knox 23-1N-10W	2450	2400-2450	Harrodsburg	570	295
-----	Indiana Geological Survey SDH-7 Sisson, Olive	Knox Sur.7-1N-10W	360	18-360	Pennsylvanian	127	296
174 NP	Indiana Geological Survey SDH-267 Beard, James Jr.	Knox 19-1N-11W	790	365-790	Pennsylvanian	552	297
-----	Indiana Geological Survey SDH-58 Rehwald, Oscar	Knox 27-2N-10W	396	78-396	Pennsylvanian	177	298
-----	Indiana Geological Survey SDH-59 Rehwald, Oscar	Knox 28-2N-10W	290	365-390	Pennsylvanian	178	299
116 NP	Indiana Geological Survey SDH-252 Tarrant, R. V.	Knox Loc. 58-3N-10W	860	360-860	Pennsylvanian	540	300
12116	Poe, F. E. & Elliott, A. E. 1 Guerrettaz, Charles E.	Knox Loc.97-3N-10W	5470	3171-3408	Muscatatuck New Harmony	83	301
116 NP	Indiana Geological Survey SDH-259 Lenahan & Konen Inc.	Knox Vin.Com., Div. B; -3N-10W	372	20-372	Pennsylvanian	541	302

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
115 NP	Indiana Geological Survey SDH-259A Lenahan & Konen Inc.	Knox Vin.Com., Div.B;-3N-10W	730	430-730	Pennsylvanian	542	303
105 NP	Indiana Geological Survey SDH-248 Finch, Joseph	Knox 24-4N-10W	790	275-790	Pennsylvanian	533	304
89 NP	Indiana Geological Survey SDH-247 Winemiller Farm	Knox Don.219-5N-9W	801	243-801	Pennsylvanian	532	305
-----	Indiana Geological Survey SDH-167 Boggs, Fred	Kosciusko 12-32N-5E	930	200-930	Antrim Muscatatuck Silurian Maquoketa	409	306
44288	Shell Oil Co. 1-24 L & R Inc.	Lagrange 24-38N-10E	4737	2455-4737	Maquoketa Trenton Black River Ancell Knox Davis Eau Claire Mount Simon Precambrian	675	307
457 NP	United States Steel Corp. IN-53 Brown, J.	Lake 22-32N-8W	316	66-316	Antrim Muscatatuck Silurian	666	308
-----	Indiana Geological Survey SDH-191 Workingman, Marion	Lake 10-32N-9W	230	20-230	Muscatatuck Silurian	458	309

25043	Texas Eastern Transmission Corp. 1 Texas Eastern Transmission Corp.	Lake 32-33N-9W	704	120-704	Silurian Maquoketa	233	310
32013 CST	Fenix & Scisson 11-V Griffith LPG Cavern	Lake 3-35N-9W	808	160-808	Silurian Maquoketa Trenton	605	311
29336 CST	Fenix & Scisson Inc. 3 Petroleum Facilities Inc.	Lake 3-35N-9W	561	280-560	Silurian	334	312
25043	Texas E. Transmission Corp. 1 Buckeye Pipeline Co.	Lake 3-35N-9W	797	140-797	Muscatatuck Silurian Maquoketa	231	313
-----	U. S. Steel WD-1 U. S. Steel	Lake 29-37N-8W	4303	1895-3791	Eau Claire Mount Simon	302	314
-----	Inland Steel Co. WD-1 Inland Steel Co.	Lake 14-37N-9W	4363	2260-3953	Eau Claire Mount Simon	415	315
-----	Indiana Geological Survey SDH-168 Zahn, Don	LaPorte 14-33N-4W	770	40-770	Ellsworth Antrim Muscatatuck Silurian Maquoketa	410	316
-----	Indiana Geological Survey SDH-135 Kingsbury Ordinance Plant	LaPorte 6-35N-1W	360	286-360	Muscatatuck	313	317
-----	Indiana Geological Survey SDH-137 Kingsbury Development Co.	LaPorte 12-35N-2W	390	284-390	Muscatatuck	319	318
21731	Northern Ind. Public Ser. Co. 1 Taelman, E. & J. P. & Heesbeke, V.	LaPorte 4-36N-1W	1406	215-1407	Ellsworth Antrim Muscatatuck Silurian Maquoketa Trenton	187	319

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
27798	Northern Ind. Public Ser. Co. 1 Taelman, August	LaPorte 16-36N-1W	665	265-665	Antrim Muscatatuck Silurian	483	320
21424	Northern Ind. Public Ser. Co. 1 Dombrowski, V. & J.	LaPorte 17-36N-1W	1389	208-1389	Ellsworth Antrim Muscatatuck Silurian Maquoketa Trenton	185	321
-----	Indiana Geological Survey SDH-118 McDonald, D. B.	LaPorte 29-36N-1W	420	306-420	Muscatatuck	268	-----
-----	Indiana Geological Survey SDH-119 Parker, Helen E.	LaPorte 5-36N-2W	521	428-521	Muscatatuck	264	323
-----	Indiana Geological Survey SDH-121 Smith, Robert J.	LaPorte 5-36N-2W	530	395-530	Muscatatuck	273	324
-----	Indiana Geological Survey SDH-125 Smith, Robert J.	LaPorte 5-36N-2W	518	396-518	Muscatatuck	281	325
-----	Indiana Geological Survey SDH-136 Ault, John	LaPorte 13-36N-3W	537	414-537	Muscatatuck	318	326
-----	Indiana Geological Survey SDH-120 Morrison, Frank	LaPorte 32-37N-2W	531	397-531	Muscatatuck	271	327
-----	Walker, R. E. 1 Jureczko, Anton	LaPorte 19-38N-3W	347	289-298	Muscatatuck	118	328

-----	Indiana Geological Survey SDH-122 Johnson, Walter	LaPorte 35-38N-3W	460	438-455	Muscatatuck	274	329
-----	Mitchell Crushed Stone Co. --- Mitchell Quarry	Lawrence 7-3N-1W	155	11-155	Bethel Renault Aux Vases Ste. Genevieve	484	330
-----	Rogers, Ralph Co. --- Smith, Walter	Lawrence 11-3N-2W	---	0-124	Renault Aux Vases Ste. Genevieve	82	331
-----	Evans, Roy 2 Standish, Ruth	Lawrence 1-4N-1W	66	3-66	St. Louis Salem	311	332
-----	Indiana Geological Survey SDH-153 Tow, Walter	Lawrence 27-4N-1W	155	20-155	Bethel Renault Aux Vases Ste. Genevieve St. Louis	340	333
20735	Indiana Gas Utility Corp. 1-1673 Clouse, William T.	Lawrence 6-5N-2E	1235	850-1187	Muscatatuck Geneva Silurian	151	334
20737	Indiana Gas Utility Corp. 1-1727 Kindred, Mary Alice	Lawrence 7-5N-2E	1222	840-1186	Muscatatuck Geneva Silurian	149	335
20734	Indiana Gas Utility Corp. 1-1728 Brown, Amos	Lawrence 20-5N-2E	1150	817-1111	Muscatatuck Geneva Silurian	152	336
29066	Texas Gas Transmission Corp. 2614 Brown, Luther	Lawrence 20-5N-2E	6806	6800-6806	Precambrian	179	337
1672	Texas Gas Transmission Corp. 1672 Brown, Fred	Lawrence 21-5N-2E	1150	649-1006	Muscatatuck Geneva Silurian	147	338

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
34372	Columbia Gas Development Corp. 1 Hill, S.	Lawrence 27-5N-2E	2502	1666-1726	Trenton Black River	526	339
40342	Texaco Inc. 1 Chipman, H. D.	Lawrence 4-5N-2W	2200	2087-2110	Trenton	617	340
34336	Columbia Gas Development Corp. 1 Martin, E.	Lawrence 12-6N-1E	2500	1795-1800	Trenton	525	341
23884	Pan American Petroleum Corp. 1-Unit Heltonville Limestone Co.	Lawrence 24-6N-1E	2464	1950-2035	Maquoketa Trenton Black River	219	342
23985	Pan American Petroleum Corp. 2 Heltonville Limestone Co.	Lawrence 24-6N-1E	2381	1815-1876	Trenton	220	343
23986	Pan American Petroleum Corp. 2-Unit Heltonville Limestone Co.	Lawrence 24-6N-1E	2330	1790-1800	Trenton	224	344
-----	Evans Quarries, Inc. 1 Root, Merlin	Lawrence 28-6N-1W	99	4-94	Salem Harrodsburg	677	345
-----	Indiana Geological Survey SDH-338 Indiana Limestone Co.	Lawrence 33-6N-1W	134	13-123	St. Louis Salem Harrodsburg	676	346
-----	Indiana Geological Survey SDH-193 Armstrong, George	Lawrence 28-6N-2W	1050	80-1050	St. Louis Salem Harrodsburg Muldraugh Borden Rockford New Albany Muscatatuck	463	347

-----	Indiana Geological Survey SDH-201 Armstrong, George	Lawrence 28-6N-2W	80	20-80	St. Louis	477	348
-----	Indiana Geological Survey SDH-192 Springville Quarry	Lawrence 28-6N-2W	100	20-90	St. Louis	461	349
-----	Indiana Geological Survey SDH-154 Blgtn. Crushed Stone Co.	Lawrence 29-6N-2W	149	27-149	Beaver Bend Bethel Renault Aux Vases Ste. Genevieve St. Louis	341	350
-----	Indiana Geological Survey SDH-182 Symonds, Leland R.	Madison 13-18N-6E	70	40-70	Silurian	433	351
-----	Walker, John 4 Pummill, E. W.	Madison 34-18N-6E	50	22-50	Silurian	146	352
-----	Indiana Geological Survey SDH-183 Anderson Rock Products	Madison 10-18N-7E	40	4-40	Silurian	434	353
-----	Concrete Materials 7 Concrete Materials	Madison 28-19N-6E	240	6-240	Silurian Maquoketa	470	354
29537	Harris, Lloyd A. 1 Simmerman, Wm. & Fisher, Barbara	Madison 36-20N-6E	1350	817-1295	Trenton Knox	315	355
-----	Indiana Geological Survey SDH-246 Mills, Morris H.	Marion 2-14N-2E	48	32-48	Borden	529	356
212 NP	Indiana Geological Survey SDH-274 Indpls. Intl. Airport	Marion 25-15N-2E	170	152-170	New Albany	558	357
212 NP	Indiana Geological Survey SDH-275 Indpls. Intl. Airport	Marion 25-15N-2E	270	140-270	Borden Rockford New Albany	559	358

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
212 NP	Indiana Geological Survey SDH-273 Indpls. Intl. Airport	Marion 27-15N-2E	410	190-410	Borden Rockford New Albany Muscatatuck	557	359
-----	Indiana Geological Survey SDH-245 Weir Cook Airport	Marion 34-15N-2E	40	20-40	Borden	528	360
-----	Indiana Geological Survey SDH-49 State Parking Lot	Marion 2-15N-3E	117	109-117	Muscatatuck	168	361
30 NP	Mobile Drilling Co. Inc. 1 Mobile Drilling Co. Inc.	Marion 25-15N-3E	1545	139-1545	New Albany Muscatatuck Geneva Silurian Maquoketa Trenton Black River Ansell Knox	494	362
-----	Indiana Geological Survey SDH-35 Ind. State Fair Grounds	Marion 18-16N-4E	374	76-374	Muscatatuck Geneva Silurian Maquoketa	145	363
32338	Fenix & Scisson Inc. 2 Shell Oil Co.	Marion 13-17N-2E	700	179-589	New Albany Muscatatuck Geneva Silurian Maquoketa	462	364

-----	Indiana Geological Survey SDH-14 Standard Materials Corp.	Marion 20-17N-4E	307	50-307	Muscatatuck Silurian Maquoketa	113	365
3 NP	American Smelting & Refining Co. I-2 Gibbons, F. D.	Marshall 31-32N-2E	1588	262-1202	Muscatatuck Silurian Maquoketa	497	366
1564	Ohio Oil Co. 12 Schroeder, Jesse E.	Marshall 6-34N-1E	270	256-262	Muscatatuck	53	367
24272	Northern Ind. Public Service Co. 3 Berger, Paul	Marshall 18-34N-3E	1894	300-1894	Antrim Muscatatuck Silurian Maquoketa Trenton Black River Knox	232	368
32110	Northern Ind. Public Service Co. 1 Ames, Helen	Marshall 21-34N-3E	4082	1360-4077	Trenton Black River Knox Eau Claire Mount Simon Precambrian	455	369
29306	Northern Ind. Public Service Co. 1 Bollenbacher, C.	Marshall 29-35N-3E	1775	425-1544	Muscatatuck Silurian Maquoketa Trenton	445	370
29134	Northern Ind. Public Service Co. 1 Stichter, Esther S.	Marshall 31-35N-3E	1643	499-556	Muscatatuck Silurian	446	371
634 NP	Buttercup Energy 1 Hewitt	Martin 2-1N-4W	2856	2730-2795	Maquoketa Trenton	701	372
32729	Oilfield Research Inc. 1 Tharp, Wayne & Ilean	Martin 24-2N-4W	853	707-748	Salem	476	373

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Indiana Geological Survey SDH-16 National Gypsum	Martin 22-3N-3W	516	293-516	St. Louis Salem	119	374
-----	U. S. Gypsum Co. 10-60 U. S. Gypsum Co.	Martin 23-3N-3W	374	20-298	Beaver Bend Bethel Renault Ste. Genevieve St. Louis	214	375
-----	Certain-teed Products Corp. S-3 Martin Co. State Forrest	Martin 24-3N-3W	618	120-578	Pennsylvanian Haney Big Clifty Beech Creek Cypress Reelsville Sample Beaver Bend Bethel Renault Aux Vases Ste. Genevieve St. Louis	97	376
-----	Ruberoid Co. 32 Martin Co. State Forest	Martin 35-3N-3W	785	632-785	St. Louis	123	377
41534	Orion Resources Inc. 3 Marburger, Willis & Joyce	Miami 20-27N-4E	938	867-939	Maquoketa Trenton	636	378
-----	Indiana Geological Survey SHD-251 Wolf, John V.	Miami 20-27N-4E	300	11-300	Silurian	537	379

41041	Orlon Resources 2 Soames, Elizabeth	Miami 21-27N-4E	891	864-891	Trenton	631	380
-----	Indiana Geological Survey SDH-23 Prince, Armel	Monroe 27-7N-1W	93	61-93	Borden	130	381
-----	Indiana Geological Survey SDH-50 Barnes, Thomas	Monroe 3-7N-2W	181	21-181	Pennsylvanian Sample Beaver Bend Bethel Renault Ste. Genevieve	169	382
680 NP	Indiana Geological Survey SDH-330 Munson, P. J.	Monroe 22-7N-2W	350	6-350	Sample Beaver Bend Bethel Renault Aux Vases Ste. Genevieve St. Louis Salem Harrodsburg	672	383
-----	Indiana Geological Survey SDH-155 Leininger, Richard	Monroe 7-8N-2W	260	40-260	Sample Beaver Bend Bethel Renault Ste. Genevieve St. Louis	342	384
37399	Texaco, Inc. 1 Condor, Glen	Monroe 35-8N-2W	2305	2098-2157	Trenton	566	385

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
14860	Indiana Gas & Water Co. Inc. 1 Young, Otis & Isabelle	Monroe 4-9N-1E	803	684-792	Muscatatuck Geneva	103	386
15831	Indiana Gas & Water Co. 1 Headley, Jesse & Emma Fern	Monroe 8-9N-1E	942	817-940	Muscatatuck Geneva Silurian	104	387
14921	Indiana Gas & Water Co. Inc. 1 Robertson, Carl & Ethel	Monroe 9-9N-1E	963	816-963	New Albany Muscatatuck Geneva Silurian	102	388
-----	Indiana Geological Survey SDH-39 Indiana University	Monroe 33-9N-1W	919	901-918	Muscatatuck	157	389
-----	Indiana Geological Survey SDH-64 Indiana University	Monroe 33-9N-1W	960	8-960	Salem Harrodsburg Muldraugh Borden Rockford New Albany Muscatatuck	188	390
-----	Indiana Geological Survey SDH-207 Indiana Limestone Co.	Monroe 20-10N-2W	140	9-140	St. Louis Salem Harrodsburg	486	391
15047	Thompson, A. R. 1-A Stoner, Paul D.	Montgomery 15-17N-3W	852	715-848	New Albany Muscatatuck Geneva Silurian	99	392

510 NP	Indiana Geological Survey SDH-314 Maxwell, Marvin	Morgan 25-11N-1W	520	500-520	Rockford New Albany	628	393
510 NP	Indiana Geological Survey SDH-315 McDaniel, John	Morgan 26-11N-1W	630	450-630	Borden Rockford New Albany Muscatatuck	634	394
-----	Indiana Geological Survey SDH-156 Hydraulic Press Brick Co.	Morgan 36-13N-1E	340	20-340	Borden Rockford New Albany	336	395
-----	Tudor Resources S-23 Kentland	Newton 19-27N-8W	45	44-45	New Albany	390	396
-----	Tudor Resources S-24 Kentland	Newton 19-27N-8W	41	33-41	New Albany	391	397
-----	Tudor Resources S-46 Kentland	Newton 20-27N-8W	60	59-60	Borden	392	398
-----	Indiana Geological Survey SDH-172 Montgomery, John	Newton 29-27N-8W	380	80-220	Pennsylvanian Borden	422	399
-----	Indiana Geological Survey SDH-108 McKee, Ross	Newton 30-27N-8W	262	10-170	Silurian	72	400
-----	Indiana Geological Survey SDH-109 McKee, Ross	Newton 30-27N-8W	240	120-130	Pennsylvanian	12	401
-----	Indiana Geological Survey SDH-110 McKee, Ross	Newton 30-27N-8W	240	125-240	New Albany Muscatatuck	251	402
-----	Indiana Geological Survey SDH-111 Dietrich	Newton 31-27N-8W	40	32-40	Borden Rockford New Albany Muscatatuck Silurian	252	403

Table 1. INDIANA WELL CORES

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Indiana Geological Survey SDH-111-B Dietrich	Newton 31-27N-8W	392	26-392	Borden Rockford New Albany Muscatatuck Silurian	253	404
-----	Indiana Geological Survey SDH-113 Royer, Don	Newton 31-27N-8W	50	30-50	Borden	254	405
-----	Indiana Geological Survey SDH-173 Kentland Grain & Feed	Newton 22-27N-9W	520	150-520	Pennsylvanian Borden Muscatatuck Silurian	423	406
-----	Tudor Research C-17 Kentland	Newton 23-27N-9W	65	62-65	Borden	357	407
-----	Tudor Research C-18 Kentland	Newton 23-27N-9W	85	82-85	New Albany	358	408
-----	Tudor Research S-16 Kentland	Newton 23-27N-9W	87	75-87	New Albany	384	409
-----	Tudor Research S-17 Kentland	Newton 23-27N-9W	87	75-87	New Albany	385	410
-----	Tudor Research S-19 Kentland	Newton 23-27N-9W	44	41-44	Silurian	386	411
-----	Tudor Research C-11 Kentland	Newton 24-27N-9W	26	19-26	Silurian	355	412

-----	Tudor Research C-14 Kentland	Newton 24-27N-9W	29	25-29	Silurian	356	413
-----	Tudor Research C-49 Kentland	Newton 24-27N-9W	63	60-63	Rockford	374	414
-----	Tudor Research C-50 Kentland	Newton 24-27N-9W	135	132-135	New Albany	375	415
-----	Tudor Research C-51 Kentland	Newton 24-27N-9W	100	75-78	Borden	376	416
-----	Tudor Research C-60 Kentland	Newton 24-27N-9W	55	52-55	Muscatatuck	380	417
-----	Tudor Research C-61 Kentland	Newton 24-27N-9W	48	45-48	Muscatatuck	381	418
-----	Tudor Research C-62 Kentland	Newton 24-27N-9W	48	45-48	Muscatatuck	382	419
-----	Tudor Research C-63 Kentland	Newton 24-27N-9W	36	33-36	Silurian	383	420
-----	Tudor Research S-20 Kentland	Newton 24-27N-9W	33	30-33	Silurian	387	421
-----	Tudor Research S-21 Kentland	Newton 24-27N-9W	21	18-21	Silurian	388	422
-----	Tudor Research S-22 Kentland	Newton 24-27N-9W	19	16-19	Silurian	389	423
-----	Tudor Research C-1 Kentland	Newton 25-27N-9W	27	15-27	Silurian	345	424
-----	Tudor Research C-2 Kentland	Newton 25-27N-9W	22	18-22	Silurian	346	425

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Tudor Research C-3 Kentland	Newton 25-27N-9W	45	42-45	Silurian	347	426
-----	Tudor Research C-4 Kentland	Newton 25-27N-9W	45	33-45	Silurian	348	427
-----	Tudor Research C-5 Kentland	Newton 25-27N-9W	43	30-43	Silurian	349	428
-----	Tudor Research C-6 Kentland	Newton 25-27N-9W	41	30-41	Silurian	350	429
-----	Tudor Research C-7 Kentland	Newton 25-27N-9W	36	33-36	Silurian	351	430
-----	Tudor Research C-8 Kentland	Newton 25-27N-9W	53	45-53	Silurian	352	431
-----	Tudor Research C-9 Kentland	Newton 25-27N-9W	34	30-34	Silurian	353	432
-----	Tudor Research C-10 Kentland	Newton 25-27N-9W	27	25-27	Silurian	354	433
-----	Tudor Research C-20 Kentland	Newton 25-27N-9W	33	30-33	Silurian	359	434
-----	Tudor Research C-21 Kentland	Newton 25-27N-9W	75	71-75	Maquoketa	360	435
-----	Tudor Research C-26 Kentland	Newton 25-27N-9W	30	27-30	Silurian	361	436

-----	Tudor Research C-27 Kentland	Newton 25-27N-9W	25	22-25	Black River	362	437
-----	Tudor Research C-28 Kentland	Newton 25-27N-9W	28	25-28	Maquoketa	363	438
-----	Tudor Research C-29 Kentland	Newton 25-27N-9W	50	47-50	Maquoketa	364	439
-----	Tudor Research C-30 Kentland	Newton 25-27N-9W	38	35-38	Silurian	365	440
-----	Tudor Research C-32 Kentland	Newton 25-27N-9W	30	27-30	Silurian	366	441
-----	Tudor Research C-33 Kentland	Newton 25-27N-9W	34	30-34	Silurian	367	442
-----	Tudor Research C-34 Kentland	Newton 25-27N-9W	45	42-45	New Albany	368	443
-----	Tudor Research C-36 Kentland	Newton 25-27N-9W	45	42-45	Borden	369	444
-----	Tudor Research C-37 Kentland	Newton 25-27N-9W	63	60-63	Borden	370	445
-----	Tudor Research C-39 Kentland	Newton 25-27N-9W	24	20-24	Maquoketa	371	446
-----	Tudor Research C-44 Kentland	Newton 25-27N-9W	35	32-35	Silurian	373	447
-----	Tudor Research C-52 Kentland	Newton 25-27N-9W	20	17-20	Silurian	377	448
-----	Tudor Research C-55 Kentland	Newton 25-27N-9W	23	20-23	Silurian	378	449

Table 1. INDIANA WELL CORES—Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Tudor Research C-56 Kentland	Newton 25-27N-9W	23	20-23	Silurian	378	450
-----	Tudor Research C-65 Kentland	Newton 25-27N-9W	34	20-34	Maquoketa	411	451
-----	Tudor Research C-66 Kentland	Newton 25-27N-9W	34	20-34	Maquoketa	412	452
-----	Tudor Research C-67 Kentland	Newton 25-27N-9W	40	32-40	Ancell	413	453
-----	Tudor Research C-68 Kentland	Newton 25-27N-9W	38	30-38	Ancell	414	454
-----	Indiana Geological Survey SDH-87 Newton County Stone Co.	Newton 25-27N-9W	650	9-650	Black River Ancell Knox	237	455
-----	Indiana Geological Survey SDH-171 Potts, Chester R.	Newton 25-27N-9W	360	36-360	Pennsylvanian Borden Silurian	421	456
-----	Tudor Research S-47 Kentland	Newton 26-27N-9W	30	20-30	Muscatatuck	393	457
-----	Tudor Research S-48 Kentland	Newton 26-27N-9W	23	20-23	Rockford	394	458
-----	Tudor Research S-49 Kentland	Newton 26-27N-9W	33	30-33	Rockford	395	459

-----	Tudor Research S-50 Kentland	Newton 26-27N-9W	45	42-45	Borden	396	460
-----	Tudor Research S-52 Kentland	Newton 26-27N-9W	55	45-48	Borden	397	461
-----	Tudor Research S-53 Kentland	Newton 26-27N-9W	75	72-75	Rockford	398	462
-----	Tudor Research S-54 Kentland	Newton 26-27N-9W	45	42-45	Rockford	399	463
-----	Tudor Research S-73 Kentland	Newton 26-27N-9W	29	24-29	Silurian	403	464
-----	Tudor Research S-75 Kentland	Newton 26-27N-9W	55	52-55	Borden	404	465
-----	Tudor Research S-76 Kentland	Newton 26-27N-9W	85	82-85	Rockford	405	466
-----	Tudor Research S-79 Kentland	Newton 26-27N-9W	90	86-90	New Albany	406	467
-----	Indiana Geological Survey SDH-10 Ind. Highway Dept.	Newton 31-27N-9W	61	55-61	Rockford New Albany	108	468
-----	Tudor Research S-57 Kentland	Newton 35-27N-9W	58	40-58	Pennsylvanian Borden	400	469
-----	Tudor Research S-58 Kentland	Newton 35-27N-9W	65	60-65	Borden	401	470
-----	Tudor Research S-62 Kentland	Newton 36-27N-9W	40	37-40	Borden	402	471
-----	Indiana Geological Survey SDH-90 Bice, Hershel	Newton 34-29N-8W	140	105-110	Muscatatuck	239	472

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
22610	Northern Ind. Public Service Co. 1 Knapp, Alois	Newton 15-31N-8W	1382	108-1382	Muscatatuck Silurian Maquoketa Trenton Black River Ancell Knox	234	473
-----	Indiana Geological Survey SDH-150 Calcar Quarry	Orange 6-1N-1E	174	20-174	Bethel Renault Aux Vases Ste. Genevieve St. Louis	337	474
-----	Indiana Geological Survey SDH-284 Tucker, J. C.	Orange 31-2N-1E	200	20-200	Cypress Reelsville Sample Beaver Bend Bethel Renault Aux Vases Ste. Genevieve	562	475
619 NP	Indiana Geological Survey SDH-325 Belcher, James	Orange 34-1N-2W	290	7-240	Pennsylvanian Tar Springs Glen Dean Hardinsburg Haney Big Clifty	650	476

624 NP	Indiana Geological Survey SDH-326 Belcher, James	Orange 34-1N-2W	570	200-570	Hardinsburg Haney Big Clifty Beech Creek Cypress Reelsville Sample Beaver Bend Bethel Renault Aux Vases Ste. Genevieve St. Louis	651	477
-----	Indiana Geological Survey SDH-178 Roberson, Martha	Orange 1-2N-1W	65	5-65	Ste. Genevieve	430	478
-----	U. S. Dept. of Agriculture A-4 U. S. Dept. of Agriculture	Orange 18-2N-1W	151	21-151	Bethel Renault Aux Vases Ste. Genevieve	485	479
-----	Indiana Geological Survey SDH-48 Hendricks, Harry	Orange 32-2N-2W	361	20-361	Pennsylvanian Glen Dean Hardinsburg Haney Big Clifty Beech Creek Cypress Reelsville Sample Beaver Bend	167	480
-----	Indiana Geological Survey SDH-103 Radcliff & Berry Quarry	Orange 24-3N-1W	74	0-74	Ste. Genevieve St. Louis	84	481
-----	Indiana Geological Survey SDH-104 Radcliff & Berry Quarry	Orange 24-3N-1W	75	5-75	Ste. Genevieve St. Louis	87	482

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
22610	Indiana Geological Survey SDH-177 Goodpasture, L.	Orange 21-3N-1W	70	7-70	Ste. Genevieve	429	483
-----	Indiana Geological Survey SDH-175 Hancock, Taylor	Orange 24-3N-1W	48	10-48	Ste. Genevieve	427	484
-----	Indiana Geological Survey SDH-176 Tarr, Herman	Orange 26-3N-1W	31	15-31	Ste. Genevieve	333	485
-----	Indiana Geological Survey SDH-151 Free, Robert	Orange 15-1S-1E	240	20-240	Sample Beaver Bend Bethel Renault Aux Vases Ste. Genevieve St. Louis	338	486
458 NP	Indiana Geological Survey SDH-311 U.S. Army Corps. Of Engineers	Orange 30-1S-2W	459	20-450	Waltersburg Vienna Tar Springs Glen Dean Hardinsburg Haney Big Clifty Beech Creek Cypress Reelsville Sample Beaver Bend Bethel Renault Aux Vases Ste. Genevieve	625	487

-----	Indiana Geological Survey SDH-249 Knapp, Robert R.	Owen 6-9N-3W	202	45-202	Ste. Genevieve St. Louis	534	488
-----	Pennsylvanian Railroad Co. --- Dillon	Owen 20-9N-4W	27	11-27	Pennsylvanian	95	489
37858	Citizens Gas & Coke Utility 2 Temple Eastex, Inc.	Owen 2-9N-5W	2529	2424-2524	Trenton Black River	619	490
733	Schwartz, Harry et al 1 Everhart, E.	Owen 21-9N-5W	2578	217-2579	Beaver Bend Bethel Renault Aux Vases Ste. Genevieve St. Louis Salem Harrodsburg Muldraugh Borden Rockford New Albany Muscatatuck Geneva Silurian Maquoketa Trenton	14	491
-----	Pennsylvanian Railroad Co. --- \-----	Owen 36-9N-5W	37	5-37	Pennsylvanian	94	492
532 NP	Indiana Geological Survey SDH-316 Shepherd, Charles R.	Owen 14-9N-6W	280	30-280	Pennsylvanian Beech Creek Cypress	635	493
-----	American Aggregates Corp. ----- Beem	Owen 16-10N-3W	53	7-53	St. Louis Salem	158	494

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Indiana Geological Survey SDH-36 Stanley, Otis	Owen 27-10N-4W	133	4-133	Pennsylvanian Bethel Renault Ste. Genevieve	148	495
-----	Indiana Geological Survey SDH-37 Fiscus, Albert	Owen 35-10N-4W	149	14-149	Pennsylvanian Bethel Renault	150	496
-----	Monon Railroad 1 Miller	Owen 4-10N-5W	457	321-434	St. Louis	290	497
-----	Monon Railroad 1 Graham	Owen 9-10N-5W	480	290-426	St. Louis	291	498
-----	Indiana Geological Survey SDH-158 Owen-Putnam Co. State Forest	Owen 28-12N-4W	100	24-100	Ste. Genevieve St. Louis	344	499
12969 CST	Baysinger, David D. 1 Bedwell, R. & J.	Parke 16-14N-6W	181	37-181	Ste. Genevieve St. Louis Salem	91	500
-----	Indiana Geological Survey SDH-31 Crooks, Claude	Parke 3-14N-7W	436	61-427	Pennsylvanian	139	501
-----	Indiana Geological Survey SDH-68 Egan	Parke 8-14N-7W	69	14-69	Pennsylvanian	194	502
-----	Indiana Geological Survey SDH-67 Nevins, Robert E.	Parke 7-14N-7W	169	10-169	Pennsylvanian	192	503
-----	Indiana Geological Survey SDH-69 Harris	Parke 17-14N-7W	114	12-114	Pennsylvanian	195	504

-----	Indiana Geological Survey SDH-32 Albright, Roy	Parke 18-14N-7W	165	43-165	Pennsylvanian	140	505
-----	Indiana Geological Survey SDH-33 Tolan, Roy	Parke 5-14N-8W	266	12-266	Pennsylvanian	141	506
-----	Indiana Geological Survey SDH-45 Virostko, Tom	Parke 15-14N-8W	230	83-230	Pennsylvanian	165	507
-----	Indiana Geological Survey SDH-157 Hartman, Claude	Parke 2-15N-6W	170	70-170	Pennsylvanian St. Louis	343	508
37322	Texaco, Inc. 1 Lycan, Arnold	Parke 5-15N-6W	2101	1952-2012	Trenton	563	509
-----	Indiana Geological Survey SDH-30 Michaels, Clarence	Parke 31-15N-6W	246	52-159	Pennsylvanian	138	510
-----	Indiana Geological Survey SDH-174 Michaels, Clarence	Parke 31-15N-6W	285	160-285	Pennsylvanian St. Louis	426	511
-----	Indiana Geological Survey SDH-129 Cooper	Parke 18-15N-7W	208	100-208	Pennsylvanian	286	512
-----	Indiana Geological Survey SDH-34 Armstrong, Frank	Parke 16-15N-8W	500	40-500	Pennsylvanian	143	513
-----	Indiana Geological Survey SDH-126 Clay City Pipe Co.	Parke 20-15N-8W	190	36-190	Pennsylvanian	284	514
-----	Indiana Geological Survey SDH-127 Schuler, William	Parke 27-15N-8W	210	105-210	Pennsylvanian	285	515
14809	Reed & Able 1 Poletto, Andrew	Parke 4-16N-8W	1100	1043-1061	Muscatatuck	96	516

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Indiana Geological Survey SDH-132 Knieriem, Lafe	Perry 10-4S-1W	900	20-900	Pennsylvanian Degonia Clore Palestine Menard Waltersburg Vienna Tar Springs Glen Dean Hardinsburg Haney Big Clifty Beech Creek Cypress Reelsville Sample Beaver Bend Bethel Renault Aux Vases Ste. Genevieve St. Louis	303	517
-----	Indiana Geological Survey SDH-142 U. S. Forest Service	Perry 27-6S-2W	485	45-460	Pennsylvanian Menard Waltersburg Vienna Tar Springs Glen Dean	324	518
-----	Indiana Geological Survey SDH-134 Metz, E. T.	Perry 33-6S-3W	354	24-354	Pennsylvanian Degonia	312	519

-----	Indiana Geological Survey SDH-81 Pitcher, Thomas	Pike 7-1N-7W	234	8-234	Pennsylvanian	228	520
742 NP	Indiana Geological Survey SDH-341 Old Ben Coal Co.	Pike 17-2S-7W	323	11-323	Pennsylvanian	694	521
38644	Price Energy Producing Ltd. 1 Lee, Geo. & Eunice	Pike 31-2S-7W	2257	1215-1465	Beech Creek Cypress Ste. Genevieve	587	522
-----	Indiana Geological Survey SDH-306 Pike Co. State Forest	Pike 2-2S-7W	170	20-170	Pennsylvanian	609	523
-----	Indiana Geological Survey SDH-307 Pike Co. State Forest	Pike 2-2S-7W	86	75-86	Pennsylvanian	610	524
42903	Franks Petroleum 1 Rudman, George	Porter 15-35N-5W	326	310-318	Muscatatuck	642	525
4 NP	American Smelting & Refining Co. I-3 Flude, R. J. Jr.	Porter 16-35N-5W	1499	192-1141	New Albany Muscatatuck Silurian Maquoketa	496	526
-----	Stoltenberg Construction Co. WD-1 Indiana General	Porter 16-35N-5W	4548	4450-4473	Mount Simon	466	527
214 NP	Indiana Geological Survey SDH-280 Sass, Fred	Porter 36-35N-7W	251	250-251	Antrim	561	528
-----	Bethlehem Steel WD-1 Bethlehem Steel	Porter 28-37N-6W	4304	4300-4304	Precambrian	80	529
-----	Midwest Steel WD-1 Midwest Steel	Porter 25-37N-7W	4308	3446-4308	Mount Simon Precambrian	280	530
774	Continental Oil Co. 1 Ford, H. C.	Posey 35-3S-14W	2942	2133-2909	Waltersburg Beech Creek Cypress Aux Vases Ste. Genevieve	133	531

Table 1. INDIANA WELL CORES

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Indiana Geological Survey SDH-74 Mumford, Thomas	Posey 35-3S-14W	440	87-440	Pennsylvanian	212	532
15160	Sun Oil Co. 1 Reynolds, C. R.	Posey 3-4S-13W	3939	3054-3939	St. Louis Salem Harrodsburg	98	533
360 NP	Indiana Geological Survey SDH-302 Kincheloe, Gladys	Posey 26-4S-13W	960	445-960	Pennsylvanian	591	534
360 NP	Indiana Geological Survey SDH-303 Kincheloe, Gladys	Posey 26-4S-13W	680	630-680	Pennsylvanian	592	535
743 NP	Indiana Geological Survey SDH-342 Zeller, Clarence	Posey 13-5S-12W	316	37-315	Pennsylvanian	689	536
746 NP	Indiana Geological Survey SDH-343 Zeller, Clarence	Posey 13-5S-12W	684	274-684	Pennsylvanian	690	537
773 NP	Indiana Geological Survey SDH-344 Schmidt, Edwin	Posey 14-5S-12W	792	440-791	Pennsylvanian	686	538
45985	Beeson, Richard W. 2 Stone, Robert	Posey 2-5S-13W	2893	2830-2843	Renault	629	539
41791	Beeson, Richard W. 20 Stone Robert	Posey 2-5S-13W	3002	2805-2822	Renault	661	540
41899	Beeson, Richard W. 3 Cox, James	Posey 4-5S-13W	2920	2840-2857	Renault	660	541

42217	Beeson, Richard W. 5 Cox, James	Posey 4-5S-13W	2930	2852-2871	Renault	659	542
46543	Beeson, Richard W. 4 Williams, Billy	Posey 9-5S-13W	2931	2851-2870	Renault	637	543
42073	Beeson, Richard W. 7 Stallings, William	Posey 20-5S-13W	3010	2868-2887	Renault	658	544
-----	Indiana Geological Survey SDH-75 Fisher, Cavette	Posey 11-5S-14W	380	60-380	Pennsylvanian	213	545
12351	Gallagher, V. R. 1 New Harmony Realty Corp.	Posey 17-5S-14W	4009	3858-3955	Harrodsburg	84	546
239 NP	Indiana Geological Survey SDH-285 State of Indiana	Posey 35-5S-14W	960	450-960	Pennsylvanian	564	547
-----	Peabody Coal Co. 3 Butler, S. A.	Posey 19-6S-13W	856	38-842	Pennsylvanian	282	548
360 NP	Indiana Geological Survey SDH-301 Renschlaer, George	Posey 33-6S-13W	904	425-904	Pennsylvanian	590	549
-----	Bell & Zoller 2 Powers	Posey 3-7S-12W	526	30-517	Pennsylvanian	154	550
29 NP	General Electric Co. WD-2 General Electric Co.	Posey 19-7S-13W	7980	7865-7904	Ancell Knox	495	551
26968	Socony Mobil Oil Co. 6 Armbruster, Frederick B.	Posey 13-7S-14W	2834	1387-1400	Pennsylvanian	78	552
26969	Socony Mobil Oil Co. 3 Armbruster, Frederick B.	Posey 14-7S-14W	2825	1958-2754	Waltersburg Ste. Genevieve	79	553
33515	Rush Creek Oil Co. Inc. 1-C Klein, Stella E. & State of Ind.	Posey 14-8S-14W	3960	3888-3913	Harrodsburg	509	554

Table 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
563 NP	Indiana Geological Survey SDH-318 Western Material Co.	Pulaski 16-29N-4W	560	20-560	Silurian Maquoketa	638	555
-----	Indiana Geological Survey SDH-166 White	Pulaski 3-30N-4W	720	60-720	Antrim Muscatatuck Silurian Maquoketa	408	556
-----	Indiana Geological Survey SDH-199 Ohio & Ind. Stone Co.	Putnam 1-12N-4W	1060	20-1060	Bethel Renault Ste. Genevieve St. Louis Salem Harrodsburg Borden Rockford New Albany	474	557
-----	Indiana Geological Survey SDH-8-B Burger, Herbert	Putnam 16-13N-5W	46	17-46	Cypress Beaver Bend Bethel Renault	106	558
-----	Indiana Geological Survey SDH-8-A Pennsylvanian R.R. Co.	Putnam 16-13N-5W	301	10-301	Aux Vases Ste. Genevieve St. Louis Salem Harrodsburg	105	559
-----	Dames & Moore 18 IBM Corp.	Putnam 24-14N-4W	95	55-95	Salem	621	560

-----	Dames & Moore 12 IBM Corp.	Putnam 13-14N-4W	106	8-106	St. Louis Salem	620	561
-----	France Stone Co.  --- Marsh, J. B.	Putnam  35-14N-5W	93	17-93	Renault Aux Vases Ste. Genevieve St. Louis	155	562
-----	Indiana Geological Survey SDH-265 Harris Stone Ser. Quarry	Putnam 15-15N-4W	250	16-250	St. Louis Salem Harrodsburg Borden	547	563
215 NP	Indiana Geological Survey SDH-276 Jackson, Paul E.	Putnam 9-15N-5W	240	60-240	St. Louis Salem Harrodsburg Borden	560	564
56 NP CST	Indiana Geological Survey SDH-224 Russellville Stone Co.	Putnam 8-16N-5W	815	4-815	Harrodsburg Borden Rockford New Albany	507	565
-----	Indiana Geological Survey SDH-225 Russellville Stone Co.	Putnam 8-16N-5W	129	22-129	St. Louis Salem Harrodsburg Borden	508	566
-----	Indiana Geological Survey SDH-195 DeBolt Concrete Co.	Randolph 8-21N-14E	210	30-210	Silurian Maquoketa	471	567
-----	Southeastern Materials Corp. --- Southeastern Materials Corp.	Ripley 22-8N-11E	30	0-30	Silurian Maquoketa	299	568
29686	Gulf Oil Corp. 1 Coon, George L.	Rush 20-13N-11E	1565	1515-1565	Ancell Knox	325	569
-----	Indiana Geological Survey SDH-205 Inland Container Corp.	Rush 24-15N-8E	180	20-180	Silurian Maquoketa	481	570

Table 1. INDIANA WELL CORES

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
1548	Ohio Oil Co. 8 Pearse, D. A.	St. Joseph 28-36N-1E	285	280-285	Muscatatuck	54	571
1848	Ohio Oil Co. 1 Pearse, Delbert A. et al	St. Joseph 28-36N-1E	1514	1418-1478	Trenton	58	572
1502	Ohio Oil Co. 2 Andert, Joe	St. Joseph 20-36N-2E	438	424-432	Antrim Muscatatuck	57	573
1535	Ohio Oil Co. 6 Zeiger, Edward R.	St. Joseph 11-36N-3E	525	519-525	Muscatatuck	51	574
1480	Ohio Oil Co. 1 Droege, John M.	St. Joseph 32-37N-3E	581	500-578	Antrim Muscatatuck	59	575
1503	Ohio Oil Co. 3 Ward, Sarah C.	St. Joseph 19-37N-4E	444	430-437	Muscatatuck	52	576
430 NP	Indiana Geological Survey SDH-304 Woodruff, Bill	Scott 22-3N-6E	300	125-300	Borden Rockford New Albany Muscatatuck	593	577
-----	Indiana Geological Survey SDH-144 Scott County Stone Co.	Scott 20-3N-8E	80	20-80	Silurian Maquoketa	34	578
-----	Indiana Geological Survey SDH-12 Cave Stone Co.	Shelby 32-11N-7E	40	5-40	Geneva Silurian	110	579
-----	Indiana Geological Survey SDH-165 Meshberger Stone Co.	Shelby 32-11N-7E	164	10-164	Muscatatuck Geneva Silurian	407	580

-----	Indiana Geological Survey SDH-216 Purcell, Ray	Shelby 26-14N-7E	220	30-220	Geneva Silurian Maquoketa	493	581
-----	Indiana Geological Survey SDH-42 Trinkle	Spencer 16-6S-6W	511	52-456	Pennsylvanian	162	582
39198	Indiana Farm Bureau Coop. Assn. 2 Schnacke, Beatrice	Spencer 35-6S-7W	1096	978-998	Tar Springs	598	583
26042	Nothern Ind. Public Service Co. 1 Tubbs, Arden	Steuben 27-36N-12E	1541	614-1500	Antrim Muscatatuck Silurian	506	584
26481	Northern Ind. Public Service Co. 1 Perkins, Elmer	Steuben 34-36N-12E	1098	657-1098	Muscatatuck Silurian	622	585
80 NP	Indiana Geological Survey SDH-242 Flynn, Horace	Sullivan 20-6N-9W	641	175-558	Pennsylvanian	523	586
6417	Cline, Frederick B. 1 Carmichael, Eugene	Sullivan 14-6N-10W	1344	1309-1344	Ste. Genevieve	16	587
6472	Cline, Frederick B. 1 Green, Robert	Sullivan 14-6N-10W	1382	1295-1312	Ste. Genevieve	21	588
36216	Energy Resources of Ind. Inc. 1 Phegley Farms, Inc.	Sullivan 14-6N-10W	2847	2490-2755	Borden New Albany Muscatatuck	554	589
28536	T & H Corp. 1 Carmichael, J. M. & L.	Sullivan 15-6N-10W	2895	2776-2883	Muscatatuck New Harmony	278	590
359 NP	Indiana Geological Survey SDH-300 Page Farms, Inc.	Sullivan 28-7N-9W	950	140-950	Pennsylvanian	589	591
-----	Indiana Geological Survey SDH-4 Leach, B. E.	Sullivan 18-7N-10W	440	34-429	Pennsylvanian	126	592

TABLE 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
	Indiana Geological Survey SDH-84 Clark, Harold	Sullivan 5-8N-9W	183	7-183	Pennsylvanian	235	593
7730	Sohio Petroleum Co. 1 Metcalf, Roy W.	Sullivan 10-8N-9W	2460	2343-2365	Muscatatuck	29	594
5158	Kuykendall, W. R. & Dena 1 Jamison, Wm. C.	Sullivan 31-8N-9W	2649	1501-1549	St. Louis	38	595
23277	Texas Gas Transmission Corp.  1-2792 Harris, Opal & Nelson, Nellie	Sullivan 1-8N-10W	2362	2316-2333	Geneva Silurian	531	596
31309	Marathon Oil Co. 1 Bland, Herbert E.	Sullivan 3-8N-10W	2380	2366-2379	Muscatatuck Geneva	49	597
31310	Marathon Oil Co. 2 Hayden, Ural	Sullivan 3-8N-10W	2416	2399-2414	Muscatatuck	47	598
41926	Marathon Oil Co. WI-5 Poe, A.	Sullivan 3-8N-10W	2465	2350-2406	Muscatatuck Geneva Silurian	654	599
2201	Ohio Oil Co. 1 Riggs, Charles	Sullivan 3-8N-10W	2542	2445-2478	Geneva	50	600
31308	Marathon Oil Co. 1 Walters, Clarence M.	Sullivan 3-8N-10W	2407	2390-2407	Muscatatuck	48	601
573 NP	Indiana Geological Survey SDH-321 Harris, William	Sullivan 4-9N-8W	368	35-368	Pennsylvanian	645	602
6225	Cline, Frederick B. 1 Drake, Katheryn	Sullivan 30-9N-8W	2065	1954-2065	Muscatatuck Geneva	23	603

6363	Cline, Frederick B. 1 Harding Heirs, Elmer E.	Sullivan 30-9N-8W	2035	1955-2031	Muscatatuck Geneva	20	604
6591	Cline, F. B. 2 Harding Heirs, Elmer	Sullivan 30-9N-8W	2025	1959-2003	Muscatatuck	31	605
6324	Cline, Frederick B. 1 Peterson, Roscoe	Sullivan 30-9N-8W	2058	1926-2058	Muscatatuck Geneva	22	606
19749	Texas Gas Transmission Corp. 4 Peterson, Cora et al	Sullivan 30-9N-8W	2009	1873-1986	New Albany Muscatatuck Geneva	548	607
6078	Cline, Frederick B. 1 Pittman, Margaret Nelson	Sullivan 30-9N-8W	2059	1932-2059	Muscatatuck Geneva	1	608
6289	Cline, Frederick B. 2 Pittman, Margaret Nelson	Sullivan 30-9N-8W	2011	1955-2008	Muscatatuck Geneva	28	609
19501	Texas Gas Transmission Corp. 5 Pittman, Margaret O. Nelson	Sullivan 30-9N-8W	2051	1912-2050	New Albany Muscatatuck Geneva	549	610
6325	Cline, Frederick B. 1 Scudamore, W. D.	Sullivan 30-9N-8W	2060	1949-2054	Muscatatuck	15	611
21246	Texas Gas Transmission Corp. 2-1774 Scudamore, W. D.	Sullivan 30-9N-8W	2115	1991-2113	Muscatatuck Geneva	19	612
6224	Cline, Frederick B. 2 Siepman, Harry et al	Sullivan 30-9N-8W	2081	1960-2081	Muscatatuck Geneva	2	613
5967	Cline, Frederick B. 1 Siepman, Harry A.	Sullivan 30-9N-8W	2039	1150-2039	Salem Muscatatuck	4	614
6492	Cline, Frederick B. 2 Wallace, Leon	Sullivan 30-9N-8W	2466	2000-2056	Muscatatuck Geneva	9	615

TABLE 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
19502	Texas Gas Transmission Corp. 6 Wallace, Leon	Sullivan 30-9N-8W	2026	1885-2025	New Albany Muscatatuck Geneva	550	616
6364	Cline, Frederick B. 1-Comm. Treadway, Holmes, & Moorehead	Sullivan 30-9N-8W	2066	2005-2064	Muscatatuck Geneva	18	617
6186	Cline, Frederick B. 1 Wallace, Leon	Sullivan 30-9N-8W	2038	1940-2038	Muscatatuck Geneva	17	618
5099	Graham, Joseph B. 1 Hux, E. J. et al	Sullivan 28-9N-9W	2438	1376-2336	St. Louis Salem Muscatatuck	3	619
-----	Indiana Geological Survey SDH-133 Robins, Robert	Switzerland 1-2N-1W	570	68-570	Lexington Black River	308	620
17938	Indiana Gas & Water Co. Inc. 6 Buck, D.A. & Buck, M.J.	Tippecanoe 24-22N-6W	501	359-501	New Albany Muscatatuck Silurian	450	621
23033 CST	Texas E. Transmission Corp. 1 Texas E. Transmission Corp.	Tippecanoe 16-24N-4W	500	283-500	Muscatatuck Silurian	198	622
-----	Indiana Geological Survey SDH-222 Moulder, Ernest	Tipton 8-22N-3E	170	132-170	Silurian	505	623
-----	Indiana Geological Survey SDH-41 Smith, G. G.	Tipton 17-22N-3E	555	140-555	Silurian Maquoketa	160	624
27418	Sun Oil Co. 1 Union State Bank of Windfall	Tipton 36-23N-3E	1604	1453-1483	Knox	459	625

-----	Indiana Geological Survey SDH-221 Wooldridge, George	Tipton 32-23N-4E	90	47-90	Silurian	502	626
44154	Schlensker Drilling Corp. 1 H & H Farms Inc.	Vanderburgh 21-4S-11W	2648	2422-2446	Renault Aux Vases	652	627
-----	Indiana Geological Survey SDH-116 Stratton, Albert	Vermillion 16-15N-10W	315	60-315	Pennsylvanian	266	628
-----	Indiana Geological Survey SDH-117 Stratton Albert	Vermillion 16-15N-10W	160	121-160	Pennsylvanian	267	629
Chem.Di	Food Machinery & Chemical Co. WD-1 Newport Chemical Plant	Vermillion 9-16N-9W	6160	4496-5830	Eau Claire Mount Simon	189	630
-----	Indiana Geological Survey SDH-79 Redman, E.	Vermillion 27-16N-10W	517	97-517	Pennsylvanian	218	631
-----	Indiana Geological Survey SDH-77 Gerard, Frank	Vermillion 29-17N-10W	347	22-347	Pennsylvanian Ste. Genevieve	216	632
-----	Indiana Geological Survey SDH-78 Gerard, Frank	Vermillion 29-17N-10W	171	17-171	Pennsylvanian	217	633
-----	Indiana Geological Survey SDH-332 Miller Farm, Paul	Vigo 9-10N-8W	113	38-112	Pennsylvanian	681	634
-----	Indiana Geological Survey SDH-333 Miller Farm, Paul	Vigo 9-10N-8W	118	38-110	Pennsylvanian	680	635
-----	Indiana Geological Survey SDH-334 Miller Farm, Paul	Vigo 9-10N-8W	93	28-93	Pennsylvanian	678	636
7705	Burrage, W. C. 1-Comm. Davis & Huntwork	Vigo 20-10N-8W	1904	1860-1889	Muscatatuck	8	637
7494	Gilliam Drlg. Co. 1 Singhurse, Clara	Vigo 20-10N-8W	2110	1875-1905	New Albany Muscatatuck	32	638

TABLE 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
7626	Gilliam Drlg.Co. 1 Lamme, Alured M.	Vigo 20-10N-8W	1927	1859-1871	Muscatatuck	33	639
7658	Gilliam Drlg. Co. 2 Huntwork, Laurence	Vigo 20-10W-8W	1885	1838-1864	Muscatatuck	35	640
7556	Gilliam Drlg. Co. 1 Swadener, Iva B.	Vigo 35-10N-8W	2111	1057-1917	St. Louis New Albany Muscatatuck	6	641
5821	Kime, H. M. 1 Turner, Elzo	Vigo 9-10N-10W	1268	1236-1263	St. Louis Salem	44	642
6200	Bayou Oil Co. 1 Farmer, William C.	Vigo 10-10N-10W	2225	1300-1311	St. Louis Salem	61	643
6213	Bayou Oil Co. 1 Jones, Willard	Vigo 15-10N-10W	2219	2185-2197	Muscatatuck	45	644
6290	Cline, Frederick B. 1 Hartman, August	Vigo 13-11N-9W	2013	1898-1930	Muscatatuck	27	645
-----	Indiana Geological Survey SDH-56 Fitzpatrick	Vigo 4-11N-10W	340	160-340	Pennsylvanian	175	646
7487	Elm Oil & Gas Co. 2 Gard, Raymond C. & Janet L.	Vigo 24-12N-8W	1691	1595-1691	New Albany Muscatatuck	5	647
7148	Krumholz, Max 1 Gard, Raymond C. & Janet L.	Vigo 24-12N-8W	1643	1612-1618	Muscatatuck	26	648
11949	Lowry, Robert C. & Able, C.S. Jr. 1 Baum, Carl	Vigo 36-12N-8W	755	573-753	Ste. Genevieve St. Louis Salem	81	649

27671	Midwestern Gas Transmissssion Co. 1 Bemis, Ruth	Vigo 28-12N-10W	2096	2020-2096	Silurian	260	650
-----	Indiana Geological Survey SDH-17 Eppart	Vigo 8-13N-7W	181	11-181	Pennsylvanian	120	651
-----	Indiana Geological Survey SDH-86 Leek, John	Vigo 23-13N-10W	197	63-197	Pennsylvanian	236	652
291 NP	Indiana Geological Survey SDH-287 State of Indiana	Wabash 13-27N-5E	105	23-105	Silurian	568	653
-----	Indiana Geological Survey SDH-250 Corn, Lester	Wabash 1-27N-6E	58	40-58	Silurian	535	654
-----	Indiana Geological Survey SDH-250A Corn, Lester	Wabash 1-27N-6E	118	61-118	Silurian	536	655
-----	Indiana Geological Survey SDH-169 Yarnelle, Joe W.	Wabash Res. 55-27N-6E	480	23-480	Silurian Maquoketa	416	656
22830	Clemens, Charles 1 Brane, Dewitt	Wabash 11-27N-7E	1226	1035-1055	Trenton	199	657
22831	Clemens, Charles 1 Stouffer, E. & A.	Wabash 17-27N-7E	1103	1007-1020	Trenton	193	658
23177	Clemens, Charles 1 Buzzard, Eldridge	Wabash 17-27N-8E	1425	961-971	Trenton	206	659
293 NP	Indiana Geological Survey SDH-288 Gray, Richard	Wabash 34-28N-7E	295	20-295	Silurian	569	660
143 NP	Indiana Geological Survey SDH-261 Bitzer, George	Wabash Lagro Res.; 28N-7E	250	20-250	Silurian	544	661

TABLE 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
5 NP CST	Cominco American Inc. CA-53 Hudson, Ivan	Wabash 25-29N-6E	2300	150-2300	Silurian Maquoketa Trenton Black River Ancell Knox Eau Claire	504	662
29024	Ashland Oil & Refining Co. 1 Hudson, Ivan M.	Wabash 25-29N-6E	3685	3680-3685	Precambrian	301	663
23822	Indiana Gas & Water Co. Inc. 1 Felix, Fred R.	Warren 9-22N-6W	473	351-473	Muscatatuck Silurian	448	664
683 NP	Indiana Geological Survey SDH-331 Dillman, John & Jo	Warren 29-23N-8W	562	34-562	Pennsylvanian Borden Rockford New Albany	674	665
44560	Atkins, Gido 1 Rhoades, Scales, & Lauderdale	Warrick 19-4S-6W	2228	1341-1355	Ste. Genevieve	667	666
44856	Spring Meadow Oil Corp. Comm. 1 Scales, Garland, Thrasher	Warrick 19-4S-6W	1404	1345-1366	Aux Vases Ste. Genevieve	669	667
44201	Atkins, Gido 4 Spring Meadow Farm Inc.	Warrick 30-4S-6W	1377	1351-1363	Ste. Genevieve	668	668
-----	Indiana Geological Survey SDH-43 Underhill	Warrick 5-4S-6W	337	26-337	Pennsylvanian	163	669

334 NP	Peabody Coal Co. 9759 SC Peabody Coal Co.	Warrick 32-4S-SW	239	168-239	Pennsylvanian	584	671
-----	Indiana Geological Survey SDH-299 Peabody Coal Co.	Warrick 36-4S-8W	105	20-105	Pennsylvanian	588	672
334 NP	Peabody Coal Co. 9760 SC Peabody Coal Co.	Warrick 5-5S-8W	237	203-237	Pennsylvanian	585	673
115	McWilliams, Fred & Schwartz, H.H. 1 Brammer, James M.	Warrick 14-5S-9W	1960	1039-1960	Pennsylvanian Menard Waltersburg Vienna Tar Springs Glen Dean Hardinsburg Haney Big Clifty Beech Creek Cypress Beaver Bend Bethel Renault Aux Vases Ste. Genevieve	71	674
34458	Columbia Gas Developments Corp. 1 Wilcox, C.	Washington 12-3N-2E	1784	1724-1784	Trenton	530	675
-----	Zupan Oil & Drlg. Co. 1 Everitt, Tom	Washington 26-4N-5E	264	130-264	Borden Rockford New Albany	683	676
-----	Indiana Geological Survey SDH-57 Cook, Leslie	Wayne 12-14N-1W	1083	2-1083	Silurian Maquoketa Trenton Black River	176	677

TABLE 1. INDIANA WELL CORES--Continued

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
697NP	Indiana Geological Survey SDH-336 Kahlert, George	Wells 2-25N-10E	1169	48-1170	Silurian Maquoketa Trenton Black River	691	678
38483	Brett, Harold B. 2 Lievrence, Robert	Wells 26-25N-10E	1499	955-977	Trenton	579	679
23267	Armer, L. H. 1 Liddy, Roger F.	Wells 13-25N-12E	1073	1016-1075	Trenton	215	680
578 NP	Indiana Geological Surlvey SDH-323 Williams, Ted	Wells 20-25N-12E	1240	37-1240	Silurian Maquoketa Trenton Black River	648	681
34119	Mitchell Inc. 16A-24 Reynolds, Sanford & Lillian	Wells 24-25N-12E	1772	1008-1547	Trenton Ansell Knox	520	682
34125	Mitchell Inc. 12C-28 Studebaker, S.C. & Geneive I.	Wells 28-25N-12E	1600	1019-1050	Trenton	521	683
-----	Heller Stone Co. 2 Ellett	Wells 4-27N-11E	205	5-205	Silurian	205	684
-----	Heller Stone Co. 1 Ellett	Wells 4-27N-11E	46	3-46	Silurian	204	685
-----	Heller Stone Co. --- Heller Stone Co.	Wells 29-27N-11E	93	0-93	Silurian	202	686

TABLE 1. INDIANA WELL CORES--Continued

-----	Irving Bros. Sand & Gravel Co. Inc. 1 Erie Stone Co.	Wells 28-27N-12E	204	0-204	Silurian	276	687
418 NP	United States Steel Corp. IN-51 Keeseling Agreement	White 27-26N-5W	366	0-366	Borden Rockford New Albany Muscatatuck Silurian	657	688
23180	Indiana Gas & Water Co. Inc. 1 Forbes, John G.	White 3-27N-6W	1470	32-1470	New Albany Muscatatuck Silurian Maquoketa Trenton Black River Ansell Knox	447	689
79 NP	Indiana Geological Survey SDH-240 Monon Crushed Stone Co.Inc.	White 27-28N-4W	440	20-440	Silurian	514	690
-----	Ohio Oil Co. 1 Mosley, William N. et al	White 1-28N-5W	1638	615-1285	Maquoketa Trenton Ansell	46	691

TABLE 2. OUT-OF-STATE WELL CORES

Permit No.	Operator, farm, and well No.	County and location	Total depth	Cored interval	Cored stratigraphic unit	Core file No.	Index No.
-----	Sohio Petroleum Co. 1 Schable	Moultrie, Ill. 15-15N-6E	3000	2797-2932	New Albany Muscatatuck	30	692
-----	Shell Oil Co. 1 Kimsey	Crittenden, Ky. 19-K-15	588	100-588	St. Louis Salem Harrodsburg	101	693
-----	Cominco American Inc. CA-58 Ellis	Henry, Ky. 11-X-55	1538	50-1538	Lexington Black River Ancell Knox	500	694
70321	Har-Ken Oil Co. 4 Rhoads Heirs	Muhlenberg, Ky. 12-I-30	1849	1766-1785	Renault	682	695
-----	Dow Chemical Co. 110 DOW/DOE	Sanilac, Mich. 8-9N-15E	1402	1178-1342	Antrim	646	696
-----	Texas E. Transmission Corp. 1 Apple, Valentine	Butler, Ohio 19-2-4	693	58-648	Maquoketa Lexington Black River	159	697

TABLE 3. CORES BY STRATIGRAPHIC UNIT

## Pennsylvanian

57, 58, 59, 60, 61, 64, 65, 71, 73, 86, 87, 88, 95,  
 96, 110, 112, 122, 123, 124, 126, 133, 146, 147,  
 149, 150, 152, 154, 155, 165, 166, 167, 168, 170,  
 173, 174, 175, 199, 200, 204, 206, 207, 208, 209,  
 211, 212, 253, 293, 294, 296, 297, 298, 299, 300,  
 302, 303, 304, 305, 376, 382, 399, 401, 406, 456,  
 469, 476, 480, 489, 491, 492, 493, 495, 496, 501,  
 502, 503, 504, 505, 506, 507, 508, 510, 511, 512,  
 513, 514, 515, 517, 518, 519, 520, 521, 523, 524,  
 532, 534, 535, 536, 537, 538, 545, 546, 547, 548,  
 549, 550, 552, 582, 586, 591, 592, 593, 602, 628,  
 629, 631, 632, 633, 634, 635, 636, 646, 651, 652,  
 665, 669, 671, 672, 673, 674.

## Degonia

517, 519.

## Clare

517.

## Palestine

133, 517.

## Menard

133, 517, 518, 674.

## Waltersburg

133, 487, 517, 518, 531, 553, 674.

## Vienna

133, 487, 517, 518, 674.

## Tar Springs

476, 487, 517, 518, 583, 674.

## Glen Dean

86, 123, 124, 127, 128, 129, 130, 133, 476, 480,  
 487, 517, 518, 674.

## Hardinsburg

123, 127, 128, 129, 130, 133, 476, 477, 480, 487,  
 517, 674.

## Haney

123, 127, 128, 129, 130, 133, 376, 476, 477, 480,  
 487, 517, 674.

## Big Clifty

74, 127, 128, 129, 130, 133, 376, 476, 477, 480,  
 487, 517, 674.

## Beech Creek

61, 74, 128, 133, 376, 477, 480, 487, 493, 517,  
 522, 531, 674.

## Cypress

74, 77, 78, 80, 81, 128, 133, 169, 177, 376,  
 475, 477, 480, 487, 493, 517, 522, 531, 558, 674.

## Reelsville

74, 82, 133, 376, 475, 477, 480, 487, 517.

TABLE 3. CORES BY STRATIGRAPHIC UNIT--Continued

Sample	74, 82, 133, 228, 376, 382, 383, 384, 475, 477, 480, 486, 487, 517.
Beaver Bend	74, 77, 78, 81, 82, 133, 228, 350, 375, 376, 382, 383, 384, 475, 477, 480, 486, 487, 491, 517, 558, 673.
Bethel	64, 74, 77, 78, 79, 81, 82, 133, 196, 209, 228, 330, 333, 350, 375, 376, 382, 383, 384, 474, 475, 477, 479, 486, 487, 491, 495, 496, 517, 557, 558, 674.
Renault	64, 74, 77, 78, 81, 82, 133, 196, 209, 228, 330, 331, 333, 350, 375, 376, 382, 383, 384, 474, 475, 477, 479, 486, 487, 491, 495, 496, 517, 539, 540, 541, 542, 543, 544, 557, 562, 627, 674, 695.
Aux Vases	64, 74, 77, 82, 91, 92, 97, 98, 99, 100, 102, 104, 105, 106, 107, 133, 134, 193, 196, 228, 330, 331, 333, 350, 376, 383, 474, 475, 477, 479, 486, 487, 491, 517, 531, 559, 562, 627, 667, 674.
Ste. Genevieve	64, 74, 76, 77, 82, 83, 93, 100, 101, 107, 111, 133, 134, 172, 176, 193, 194, 195, 196, 205, 228, 229, 230, 330, 331, 333, 350, 375, 376, 382, 383, 384, 474, 475, 477, 478, 479, 481, 482, 483, 484, 485, 486, 487, 488, 491, 495, 499, 500, 517, 522, 531, 553, 557, 559, 562, 587, 588, 631, 649, 666, 667, 668, 674.
St. Louis	75, 83, 90, 125, 134, 177, 194, 195, 196, 226, 227, 228, 229, 231, 332, 333, 346, 347, 348, 349, 350, 374, 375, 376, 377, 383, 384, 391, 474, 477, 481, 482, 486, 488, 491, 494, 497, 498, 499, 500, 508, 511, 517, 533, 557, 559, 561, 562, 563, 564, 566, 595, 619, 641, 642, 643, 648, 692.
Salem	64, 83, 84, 103, 125, 134, 190, 194, 196, 210, 226, 227, 231, 332, 345, 346, 347, 373, 374, 383, 390, 391, 491, 494, 500, 533, 557, 558, 559, 560, 561, 563, 565, 614, 619, 642, 649, 693.
Harrodsburg	226, 227, 295, 345, 346, 347, 383, 390, 391, 491, 533, 546, 553, 554, 559, 563, 564, 565, 693, 670.
Muldraugh	226, 227, 347, 390, 491.

TABLE 3. CORES BY STRATIGRAPHIC UNIT--Continued

Borden	19, 22, 23, 24, 30, 46, 48, 52, 70, 103, 141, 144, 151, 153, 154, 156, 226, 227, 232, 234, 245, 248, 255, 347, 356, 358, 359, 360, 381, 390, 394, 395, 398, 399, 403, 404, 405, 406, 407, 416, 444, 445, 456, 460, 461, 465, 469, 470, 471, 491, 557, 563, 564, 565, 566, 576, 589, 664, 676, 688.
Rockford	19, 22, 24, 30, 46, 47, 48, 49, 50, 151, 226, 227, 245, 248, 255, 291, 347, 358, 359, 390, 393, 394, 395, 403, 404, 414, 458, 459, 462, 463, 466, 468, 491, 557, 565, 577, 665, 676, 688.
Ellsworth	316, 319, 321.
Antrim	306, 308, 316, 319, 320, 321, 368, 528, 556, 573, 575, 584, 696.
New Albany	18, 19, 20, 22, 24, 27, 29, 30, 46, 47, 48, 49, 50, 51, 52, 56, 63, 66, 68, 69, 135, 141, 142, 143, 144, 145, 148, 151, 156, 191, 197, 214, 226, 227, 232, 235, 245, 247, 248, 249, 250, 251, 252, 253, 244, 255, 256, 257, 284, 285, 286, 287, 291, 292, 347, 357, 358, 359, 362, 364, 388, 390, 392, 393, 394, 395, 396, 397, 402, 403, 404, 408, 409, 410, 415, 443, 467, 468, 491, 526, 557, 564, 577, 589, 607, 610, 616, 626, 638, 641, 647, 665, 676, 688, 689.
Muscatatuck	8, 9, 14, 15, 16, 17, 18, 19, 20, 21, 24, 27, 28, 29, 30, 34, 46, 47, 48, 49, 50, 51, 52, 55, 56, 63, 66, 68, 69, 84, 85, 89, 94, 103, 109, 131, 136, 137, 142, 143, 144, 148, 151, 156, 171, 192, 197, 198, 201, 202, 203, 210, 213, 214, 232, 245, 247, 249, 250, 251, 252, 253, 254, 255, 256, 257, 260, 261, 262, 263, 264, 265, 267, 268, 269, 270, 272, 284, 285, 286, 287, 288, 290, 291, 292, 301, 306, 308, 309, 313, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 334, 335, 336, 338, 347, 359, 361, 362, 363, 364, 365, 366, 367, 368, 370, 371, 386, 387, 388, 389, 390, 392, 394, 402, 403, 404, 406, 417, 418, 419, 457, 472, 473, 491, 516, 525, 526, 556, 571, 573, 574, 575, 576, 580, 584, 585, 589, 590, 594, 597, 598, 599, 601, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 621, 622, 637, 638, 639, 640, 644, 645, 647, 648, 664, 688, 689, 692.

TABLE 3. CORES BY STRATIGRAPHIC UNIT--Continued

Geneva	20, 21, 62, 67, 68, 69, 198, 201, 203, 214, 223, 249, 250, 285, 288, 290, 292, 334, 335, 336, 338, 362, 363, 364, 386, 387, 388, 392, 491, 579, 580, 581, 596, 597, 599, 600, 603, 604, 606, 607, 608, 609, 612, 613, 615, 616, 617, 618.
New Harmony	301, 590.
Silurian	2, 3, 5, 6, 8, 9, 14, 15, 16, 17, 20, 24, 25, 27, 29, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 51, 53, 54, 55, 62, 69, 72, 94, 103, 108, 109,
Silurian cont.	116, 117, 118, 119, 120, 121, 148, 156, 161, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 192, 198, 201, 203, 214, 215, 216, 217, 218, 219, 220, 221, 223, 232, 236, 237, 238, 239, 241, 242, 243, 244, 246, 249, 250, 251, 252, 253, 255, 256, 257, 260, 272, 278, 281, 285, 289, 292, 306, 308, 309, 310, 311, 312, 313, 316, 319, 320, 321, 334, 335, 336, 338, 351, 352, 353, 354, 362, 363 364, 365, 366, 368, 370, 371, 379, 387, 388, 392, 400, 403, 404, 406, 411, 412, 413, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 436, 440, 441, 442, 447, 448, 449, 450, 456, 464, 473, 491, 526, 554, 555, 567, 568, 570, 578, 579, 580, 581, 584, 585, 596, 599, 621, 622, 623, 624, 626, 650, 653, 654, 655, 656, 660, 661, 662, 664, 677, 678, 681, 684, 685, 686, 687, 688, 689, 690.
Maquoketa	2, 3, 6, 15, 16, 17, 20, 27, 33, 44, 51, 53, 54, 55, 113, 120, 121, 139, 161, 182, 184, 185, 218, 223, 236, 237, 239, 244, 246, 249, 250, 252, 258, 266, 271, 278, 281, 282, 283, 285, 289, 292, 306, 307, 310, 311, 313, 316, 319, 321, 342, 354, 362, 363, 364, 365, 366, 368, 370, 372, 378, 435, 438, 439, 446, 451, 452, 473, 491, 526, 554, 555, 566, 567, 568, 570, 580, 581, 623, 656, 662, 677, 678, 681, 689, 691, 697.
Lexington	53, 282, 620, 694, 697.
Trenton	1, 4, 10, 11, 12, 13, 15, 16, 17, 26, 44, 62, 113, 115, 132, 139, 161, 197, 222, 225, 233, 240, 252, 258, 266, 271, 277, 279, 280, 307, 311, 319, 321, 339, 340, 341, 342, 343, 344, 355, 362, 368, 369, 370, 372, 378, 380, 385, 473, 490, 491, 509, 572, 657, 658, 659, 662, 675, 677, 678, 679, 680, 681, 682, 683, 689, 691.

TABLE 3. CORES BY STRATIGRAPHIC UNIT--Continued

Black River	7, 15, 16, 26, 44, 53, 113, 161, 271, 276, 307, 339, 342, 362, 368, 369, 437, 455, 473, 490, 620, 662, 677, 678, 681, 689, 694, 697.
Ancell	7, 15, 16, 44, 53, 62, 114, 138, 140, 157, 158, 159, 161, 233, 271, 307, 362, 453, 454, 455, 473, 551, 569, 662, 682, 689, 691, 694.
Knox	7, 15, 16, 26, 44, 53, 62, 114, 115, 138, 140, 157, 158, 159, 161, 224, 233, 271, 273, 274, 275, 307, 355, 362, 368, 369, 455, 473, 551, 569, 625, 662, 682, 689, 694.
Davis	307.
Eau Claire	7, 16, 42, 43, 44, 45, 160, 161, 163, 259, 271, 307, 314, 315, 369, 630, 662.
Mount Simon	7, 16, 42, 45, 160, 161, 162, 163, 259, 271, 307, 314, 315, 369, 527, 530, 630.
Precambrian	7, 164, 307, 337, 369, 529, 530, 663.