

U.S. DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

**Catalog of Pre-Cretaceous Geologic Drill-Hole Data
from the Upper Mississippi Embayment:
A revision and update of Open-File Report 90-260**

Compiled by

Richard L. Dart

Open-File Report 92-685

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade, product, or firm names is for descriptive purposes and does not imply endorsement by the U.S. Government.

Denver, Colorado

1992

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**CATALOG OF PRE-CRETACEOUS GEOLOGIC DRILL-HOLE DATA
FROM THE UPPER MISSISSIPPI EMBAYMENT:
A REVISION OF OPEN-FILE REPORT 90-260**

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INTRODUCTION

This catalog is an updated and expanded version of an earlier drill-hole data catalog, Open-File Report 90-260 (Dart, 1990). This new version includes geologic data for more than 150 additional drill holes. The total number of drill holes in the catalog now exceeds 575. These drill holes are from seven States in a study region extending from lat 33.5° N. to 38.75° N. and long 87° W. to 92.5° W. (fig. 1).

As a companion publication to this catalog, I have prepared a series of computer-generated, subsurface geologic maps of major Paleozoic stratigraphic units within the Mississippi Embayment (R.L. Dart, unpub. data, 1992). Some of the data in this catalog were used to produce these maps.

DRILL-HOLE DATA

The data contained in this catalog also exists as a Geographical Information Systems ARC/Info computer database. As a service to interested users, copies of this database may be obtained from the author (USGS, Denver Federal Center, MS 966, Denver, CO 80225-0046). It is my intent that this database exist as a research tool and that it be routinely updated. With this goal in mind, potential users and data contributors are encouraged to make comments and submit supplemental data.

Geologic data in this catalog are from drill-holes that are known to have, or are inferred to have, reached a total depth at the Paleozoic-Cretaceous contact, within the Paleozoic section, or in Precambrian basement. However, the catalog is not a complete listing of all pre-Cretaceous drill-holes within the study region. Some important omissions in the data may exist despite an effort to consult a wide variety of potential data sources.

The data are presented in two parts. Part A is a complete listing of the data, and Part B is an abridged listing of selected data. Part-B data tabulation is intended to aid the user in locating specific data that may be of particular interest.

The drill-hole data (Part A) are in seven data tables containing information from drill holes located in one of the seven States (Arkansas, Illinois, Kentucky, Mississippi, Missouri, Tennessee) within the study region. Each data entry is given a unique reference or index identifier consisting of a two-letter State abbreviation (postal code) and a sequence number.

The selected pre-Cretaceous drill-hole data (Part B) are in four data tables. Table 1 is a listing of drill-hole names with information on total depths drilled and the lithologies at those depths. Tables 2 through 4 are listings of subsea depths to specific stratigraphic surfaces. Included also are the Geologic names of the subcrop units at these surfaces and the thicknesses of these specific stratigraphic intervals.

Acknowledgments

I would like to thank the many individuals and institutions who have generously contributed drill-hole data. In addition to those listed in Personal Communications, I would also like to thank F.A. McKeown, M.N. Machette, and H.S. Swolfs (U.S. Geological Survey).

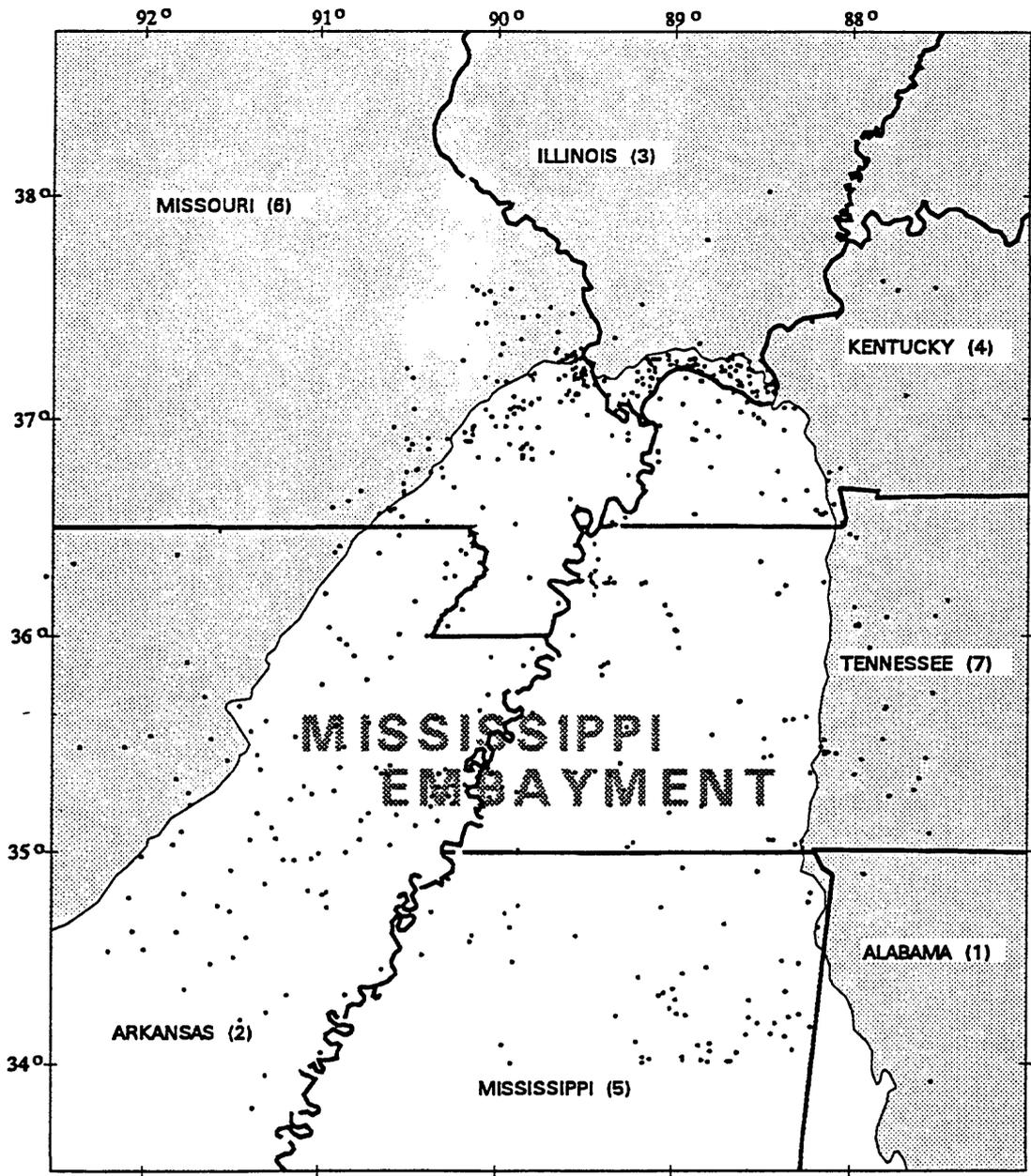


FIGURE 1. Upper Mississippi Embayment study region showing drill-hole locations (small solid dots), the embayment boundary (thin solid line), State boundaries (heavy solid line), and numbers in parenthesis refer to table numbers in Part A.

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PART A

Tabular Information for Mississippi Embayment Drill Holes to the Paleozoic Surface

The tabular data format and the abbreviations used in these tables are as follow:

Well Index Identification: Arkansas (AR), Illinois (IL), Kentucky (KY), Mississippi (MS), Missouri (MO), Tennessee (TN)

Name: Operator/Owner

County:

Location: In degrees latitude and longitude; section (sec), township (T), and range (R) north (N), south (S), east (E), west (W)

Ground Level: rotary table (rt), derrick floor (df), and kelly bushing (kb), Knox tabulation (tab.), Grohskopf

Total Depth: In feet relative to sea level

Completion Date: N.D. indicates not determined; month/day/year

Data Source(s): Arkansas Geological Commission (AGC), Missouri Geological Survey (MGS), Kentucky Geological Survey (KGS).

Remarks:

Drill-Hole Type: Oil and gas (O&G), exploration test (ET), municipal or industrial water (MW), and industrial waste-water storage (WW)

Paleozoic Surface Data: Blanks indicate no data available.

Depth	Formation	Age	Lithology
	member (mbr)	Mississippian	sandstone (ss)
	formation (fm)	(Miss.)	limestone (ls)
			dolomite (dolo)
			dolomitic limestone (ls(dolo))
			shale (sh)
			quartz (qtz.)
			quartzite (qzite)
			arkosic (ak)
			sandy (sdy)
			siltstone (siltst)
			igneous (igx)
			crystalline (cryst.)

And the following abbreviations are self explanatory and may be applied to all entries:

questionable data (?), approximate (~), equivalent (equiv.)

TABLE 1A.--Mississippi Embayment drill holes to the Paleozoic surface located in Alabama

[All references to personal communications (p.c.) are for 1991 unless otherwise indicated]

Well index Identification No.: AL1
Name: O'Neal Estate/Morton #1 (MGS log # 5826)
County: Lauderdale
Location: 34.8966, -87.9230 (sec 8 T2S R13W)
Ground level: 463
Total depth: -2063 (Cambrian, Eminence-Potosi)
Completion date: N.D.
Data Source(s): Missouri State Survey records (Bohm, p.c.); Alabama State Survey records (Sexton, p.c.)
Remarks: Hole logged by Grohskopf and McCracken for the MGS.
Drill-Hole Type: O&G
Paleozoic Surface Data (Sexton):

Depth	Formation	Age	Lithology
+299	Chattanooga?	Devonian	Shale
-125		Ordovician	
-999	Knox Group	Ordovician?	

Well Index Identification: AL2
Name: Chamolin Refining Co./Galioway Coal Co. #1 (MGS log # 6594)
County: Walker
Location: 33.9194, -87.5276 (C SW sec 12 T13S R10W)
Ground Level: 636
Total Depth:
Completion Date: 6/15/40
Data Source(s): Missouri State Survey records (Bohm, p.c.)
Remarks:
Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+636		Pennsylvanian	
-734		Mississippian	
-1299	Hartselle	Mississippian	
-1534	Tuscumbia	Mississippian	
-1774	Chatanooga	Mississippian	
-1864		Silurian	
-2139		Ordovician	
-2394	Plattin	Ordovician	
-2669	Joachim	Ordovician	
-3164	Everton?	Ordovician	

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas

[All personal communication references (p.c.) are dated 1988 unless otherwise stated]

Map Index Identification: AR1

Name: Cockrell Corp./#1 J. Carter and others

County: St. Francis

Location: 34.9916, -90.9969 (SW SW NE sec 4 T4N R1E)

Ground level: 205 (229kb)

Total Depth: -14539 (Precambrian red granite)

Completion Date: 2-26-71

Data Source(s): AGC, p.c.; Schwalb, 1982; Caplan p.c., 1991; Hendricks, 1988

Remarks: Denison (1984) gives the depth to Precambrian basement at -14,145 ft; however, Hendricks (1988) gives the depth to Precambrian basement at -14,169 ft. This difference may be because the Denison value may have been calculated from the height of the Kelly bushing not ground surface. Electric logs were run and a drill-stem test (DST) was attempted (Hickman, p.c., 1991).

Drill-Hole Type: O&G

Paleozoic Surface Data (AGC and Hendricks):

Depth	Formation	Age	Lithology
-2801			
-14169		Precambrian	

Paleozoic Surface Data (Caplan, p.c., 1991):

Depth	Formation	Age	Lithology
-2801	Fayetteville	Mississippian	shale
-3876		Mississippian	lime & chert
-4086	Chattanooga (Boone)	Mississippian	chert & sh
-4411	Prentess	Devonian	chert
-4521		Silurian- Devonian	limestone
-4881	Cason	Ordovician	shale
-5751	Fernvale-Viola?	Ordovician	limestone
-7551			dolomite
-14141			igx intrusive

Well Index Identification: AR2

Name: Cockrell Corp./#1 H.E. Bunch and others

County: Lee

Location: 34.7390, -90.9512 (NW NW SE sec 36 T2N R1E)

Ground Level: 190 (214kb)

Total Depth: -14641

Completion Date: 1-15-72

Data Source(s): AGC, p.c.

Remarks: DST was run (Hickman, p.c., 1991).

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-3473			

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Well Index Identification: AR5
 Name: Houston Oil & Minerals/#1 Singer
 County: Cross
 Location: 35.3573, -90.6194 (C NE SE sec 36 T9N R4E)
 Ground Level: 210 (218kb?)
 Total Depth: -10948 (Cambrian, Elvins Group (Arbuckle))
 Completion Date: 4-4-79
 Data Source(s): AGC, p.c.; Schwalb, 1982; Haley, p.c.; Caplan, p.c., 1991
 Remarks: Logs run: DIL, CNL-FDC-GR, and BHC-GR.
 Drill-Hole Type: O&G
 Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-2755	Plattin	Ordovician	limestone
-7982	Davis?	Cambrian	

Well Index Identification: AR6
 Name: Quintin Little/#1 H. Griffith
 County: Green
 Location: 36.1570, -90.4688 (C SW SW SE sec 30 T18N R6E)
 Ground Level: 340
 Total Depth: -5528 (Cambrian, Lower Knox Group)
 Completion Date: 11-19-65
 Data Source(s): AGC, p.c.
 Remarks:
 Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-900			

Well Index Identification: AR7
 Name: Quintin Little/#1 Little
 County: Craighead
 Location: 35.9008, -90.6037 (C SE SW NW sec 30 T15N R5E)
 Ground Level: 275
 Total Depth: -8411 (Cambrian, Elvins Group)
 Completion Date: 9-6-65
 Data Source(s): AGC, p.c.; Schwalb, 1982
 Remarks:
 Drill-Hole Type: O&G
 Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-1378	Everton	Ordovician	dolomite
-1465	Powell	Ordovician	
-4625	Roubidoux	Ordovician	
-6418	Eminence	Cambrian	
-8080	Derby-Doerun	Cambrian	clastics

Well Index Identification: AR8
 Name: City of Maynard
 County: Randolph

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Location: 36.4098, -90.8897 (SE NE NE sec 6 T20N R2E)
 Ground Level: 485 (Paleozoic surface)
 Total Depth: -415 (Ordovician, Gasconade)
 Completion Date: N.D.
 Data Source(s): AGC, p.c.
 Remarks:

Drill-Hole Type: MW

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
485	Cotter	Ordovician	dolomite
355	Jefferson City	Ordovician	dolomite
-40	Roubidoux	Ordovician	dolo-ss
-215	Gasconade	Ordovician	dolomite

Well Index Identification: AR10

Name: Smith & Cockburn Oil Co./Robinson #1
 County: Lee

Location: 34.7993, -90.9762 (NW NW sec 14 T2N R1E)

Ground Level: 203 (220df)

Total Depth: -3440

Completion Date: 1948

Data Source(s): AGC, p.c.; Renfroe, 1949; Caplan, 1954

Remarks: Renfroe describes geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-3347	Atoka?	Pennsylvanian	shale

Well Index Identification: AR11

Name: Walmar Oil Co./#1 F. M. White

County: St. Francis

Location: 34.9970, -90.8482 (NW SW NW sec 1 T4N R2E)

Ground Level: 215

Total Depth: -3196

Completion Date: 7-5-23

Data Source(s): AGC, p.c.; Renfroe, 1949; Caplan, 1954

Remarks: Renfroe describes geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-3015			shale

Well Index Identification: AR12

Name: Pan Am/#1 Bosnick

County: Lee

Location: 34.8128, -90.9516 (W1/2 SE sec 1 T2N R1E)

Ground Level: 201 (217kb)

Total Depth: -8499 (Ordovician, Upper Knox Group)

Completion Date: 7-11-63

Data Source(s): AGC, p.c.; Caplan, 1964

Remarks:

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-3283		Mississippian	shale
-4039	Chattanooga	Miss. & Devonian	shale
-4227	Penters	Devonian	chert
-4585		Ordovician	carbonate

Well Index Identification: AR14

Name: Bodcau Oil & Gas/#1 Bowen-Tucker

County: St. Francis

Location: 35.0575, -90.7702 (NW NE SE sec 10 T5N R3E)

Ground Level: 333 (339kb)

Total Depth: -3191

Completion Date: 3-24-61

Data Source(s): AGC, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-3041	Penters?	Miss. & Devonian	chert

Well Index Identification: AR15

Name: Manning & Martin Inc./#1 R. C. Gregg

County: St. Francis

Location: 35.0315, -90.6013 (NE SW NW sec 20 T5N R5E)

Ground Level: 205

Total Depth: -3783 (limestone-dolomite)

Completion Date: 8-9-37

Data Source(s): AGC, p.c.; Renfroe, 1949

Remarks: Renfroe gives geologic data.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-3188	Stones River Group	Ordovician	ls-dolo-chert

Well Index Identification: AR16

Name: J.L. Patton Oil Properties/#1 Armstrong

County: Cross

Location: 35.1793, -90.7249 (SE SE SE sec 36 T7N R3E)

Ground Level: 400 (409.4kb)

Total Depth: -2891

Completion Date: 5-29-67

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-2874			

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Well Index Identification: AR17
 Name: Stanley Oil Corp./#1 Danner
 County: Crittenden
 Location: 35.3116, -90.1812 (NW SE C sec 18 T8N R9E)
 Ground Level: 225
 Total Depth: -3326
 Completion Date: 1-15-38
 Data Source(s): Glick, p.c.; Caplan, 1954

Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data (Caplan):

Depth	Formation	Age	Lithology
-3115?			

Well Index Identification: AR18
 Name: M. E. Davis/#1 DeMange
 County: Crittenden
 Location: 35.2992, -90.3373 (SW SW NE sec 22 T8N R7E)
 Ground Level: 215
 Total Depth: -4807 (Ordovician, limestone-dolomite)
 Completion Date: 5-16-52
 Data Source(s): Glick, p.c.; Caplan, 1954, 1958 and 1964

Remarks: Glick gives some description of geology. Caplan suggests that normal faulting may have occurred within the Paleozoic section.

Drill-Hole Type:

Paleozoic Surface Data (Caplan):

Depth	Formation	Age	Lithology
-2965		Devonian	chert
-3105		Silurian	dolomite
-3175	Plattin	Ordovician	ls-dolo

Well Index Identification: AR19
 Name: J.K. Dobbs/#1 Rowena D. Bond
 County: Crittenden
 Location: 35.3081, -90.2485 (NE SE SE sec 16 T8N R8E)
 Ground Level: 230
 Total Depth: -3150
 Completion Date: 8-22-52
 Data Source(s): Glick, p.c.:

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-3045		Ordovician	limestone

Well Index Identification: AR20
 Name: H.L. Hawkins/R.G. O'Neal
 County: Crittenden
 Location: 35.2986, -90.3341 (C SW SW NE sec 22 T8N R7E)
 Ground Level: 220
 Total Depth: -3254

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Completion Date: 2-22-58
 Data Source(s): Glick, p.c.; Crone, p.c.
 Remarks:.

Drill-Hole Type: O&G
 Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-2946			

Well Index Identification: AR21
 Name: J.E. Stark Jr./R.G. O'Neal #1-X
 County: Crittenden
 Location: 35.3012, -90.3313 (SW SE NE sec 22 T8N R7E)
 Ground Level: 218
 Total Depth: -3452
 Completion Date: 6-24-72
 Data Source(s): Glick, p.c.; Crone, p.c.
 Remarks: .

Drill-Hole Type: O&G
 Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-3202			

Well Index Identification: AR22
 Name: R.A. Johnson/#1 L. Alpe
 County: Crittenden
 Location: 35.3003 -90.3250 (C NW NW NW sec 23 T8N R7E)
 Ground Level: 222df
 Total Depth: -3236
 Completion Date: 7-11-57
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-3198			

Well Index Identification: AR23
 Name: Cross Oil Co./#1 C.A. Rhodes
 County: Cross
 Location: 35.2840 -90.9115 (C SW SW NE sec 20 T8N R2E)
 Ground Level: 225?
 Total Depth: -2275
 Completion Date:
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-2275?			

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Well Index Identification: AR24

Name: J. Painter, Jr./#1 P. M. Patterson

County: Crittenden

Location: 35.3623, -90.3283 (NW NW NW sec 35 T9N R7E)

Ground Level: 225

Total Depth: -3291

Completion Date: 4-7-25

Data Source(s): AGC, p.c.; Renfroe, 1949

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-3051		Ordovician	limestone

Well Index Identification: AR25

Name: J. Painter, Jr./Hunter #1

County: Crittenden

Location: 35.3822, -90.2937 (SW NW NE SE sec 24 T9N R7E)

Ground Level: 225

Total Depth: -3389

Completion Date: 6-28-26

Data Source(s): Glick, p.c.; Renfroe, 1949

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-3360		Ordovician	limestone

Well Index Identification: AR26

Name: Cross Oil Co./W.M. Smith

County: Cross

Location: 35.3902, -90.6809 (C SW SW SW sec 21 T9N R4E)

Ground Level: 235

Total Depth: -2638 (Middle or Upper Ordovician)

Completion Date: 12-21-52

Data Source(s): Glick, p.c.; Caplan, p.c., 1991

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-2550?		Ordovician	

Well Index Identification: AR27

Name: Seaboard Oil Co./Hole "C"

County: Cross

Location: 35.3917, -90.8808 (SE SE NE sec 8 T9N R2E)

Ground Level: 232

Total Depth: -1893

Completion Date: 8-3-53

Data Source(s): AGC, p.c.

Remarks:

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1888			

Well Index Identification: AR28

Name: Ramsey Petroleum Co./#1 Poinsett Lumber Co.

County: Cross

Location: 35.3634, -90.6495 (SW NE NW sec 35 T9N R4E)

Ground Level: 212

Total Depth: -3296 (Middle or Lower Ordovician)

Completion Date: 11-21-48

Data Source(s): Glick, p.c.; Renfroe, 1949; Caplan, p.c., 1991

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-2668	Plattin	Ordovician	limestone

Well Index Identification: AR29

Name: Seaboard/Core Hole "B"

County: Poinsett

Location: 35.4880, -90.8565 (S1/2 SW SW sec 14 T10N R2E)

Ground Level: 235

Total Depth: -1879

Completion Date: 8-3-53

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1855			

Well Index Identification: AR30

Name: J.F. Scott Trustees/#2-A Nelson

County: Poinsett

Location: 35.5995, -90.7248 (SE SE sec 12 T11N R3E)

Ground Level: 275

Total Depth: -3448

Completion Date: 1921

Data Source(s): Renfroe, 1949; AGC, p.c.; Caplan, 1954

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-1949		Ordovician	cryst. ls

Well Index Identification: AR31

Name: Dow Chemical Co./L. Wilson & Co. #1

County: Mississippi

Location: 35.6584, -90.0983 (N1/2 NW SE sec 14 T12N R9E)

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Ground Level: 228 (252kb)

Total Depth: -14640 (Precambrian, gneiss)

Completion Date: 7-8-81

Data Source(s): Glick, p.c.; Haley, p.c.; Allison p.c., 1989; Howe, p.c.; Caplan, p.c., 1991; Hendricks, 1988; Denison, 1984; Repetski, p.c., 1991; Taylor, 1991; Hickman, p.c., 1991

Remarks: Caplan has Depth to Paleozoic surface (Everton) -2662. Denison (1984) has depth to gray arkosic sandstone (Bonneterre) at -12038 ft, -12368 ft to red arkosic sandstone (Lamotte), and granite gneiss (Precambrian basement) at -14053 ft. Repetski (1991) and Taylor (1991) locate the Ordovician-Cambrian boundary at approx. -8748 ft based on a study of conodonts from drill cuttings. Caliper log and DST were run (Hickman, p.c., 1991).

Drill-Hole Type: O&G

Paleozoic Surface Data (Allison):

Depth	Formation	Age	Lithology
-2643	Everton	Middle Ordovician	dolo
-4528	Powell	Middle Ordovician	dolo
-5538	Cotter	Middle Ordovician	dolo
-7268	Roubidoux	Lower Ordovician	
-7878	Gasconade	Lower Ordovician	dolo
-9048	Eminence	Upper Cambrian	dolo
-9305	Derby-Doerun	Upper Cambrian	dolo
-9828	Bonneterre	Upper Cambrian	
-12018	Lamotte	Upper Cambrian	ss
-14053		Precambrian	gneiss

Paleozoic Surface Data (Howe):

Depth	Formation	Age	Lithology
-2640	Everton	Middle Ordovician	
-4698	Cotter	Middle Ordovician	
-5098	Roubidoux	Lower Ordovician	
-5638	Upper Gasconade	Lower Ordovician	
-5998	Lower Gasconade	Lower Ordovician	
-6648	Eminence	Upper Cambrian	
-7478	Potosi	Upper Cambrian	dolo
-10298	Derby-Doerun	Upper Cambrian	
-11528	Bonneterre	Upper Cambrian	
-11968	Lamotte	Upper Cambrian	
-14053		Precambrian	

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-2788	Powell	Middle Ordovician	ls
-4548	-fault-		
-4848	Cotter-Jefferson City	Ordovician	ls
-8448		Cambrian	ls(dolo)
-10448	Elvins	Cambrian	ls-claystone
-11520	Bonneterre	Cambrian	ls-dolo
-14053		Precambrian	granite gneiss

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Well Index Identification: AR32

Name: The Henley-Lanagren Co./#1 E.E. Hogue

County: Poinsett

Location: 35.5865, -90.9084 (C SE NE sec 4 T11N R2E)

Ground Level: 247 (252kb)

Total Depth: -1439

Completion Date: 11-2-72

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1422			

Well Index Identification: AR33

Name: C. E. Walters and others/#1 H. Johnson

County: Craighead

Location: 35.7770, -90.9841 (NW NW NW sec 10 T13N R1E)

Ground Level: 245

Total Depth: -1363

Completion Date: 6-17-48

Data Source(s): Glick, p.c.; Renfroe, 1949

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-725	Everton	Ordovician	cryst. dolo

Well Index Identification: AR34

Name: Tenn-Ark Inc./#1 R.M. Martin and others (MGS log # 5329A)

County: Craighead

Location: 35.7998, -90.7354 (SE SE NE NE sec 35 T14N R3E)

Ground Level: 350

Total Depth: -4742 (Ordovician, Middle Knox Group)

Completion Date: 2-10-40

Data Source(s): Lantz, p.c.; Schwalb, 1982; Caplan, 1954 and 1958; Renfroe, 1949; Glick, p.c.; MGS records (Bohm p.c., 1991)

Remarks: Renfroe gives detailed geologic descriptions.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-1325	Joachim	Ordovician	ls(dolo)

Paleozoic Surface Data (Caplan):

Depth	Formation	Age	Lithology
-2318	Smithville	Ordovician	
-2925	Powell	Ordovician	
-4049	Jefferson City	Ordovician	
-4469	Roubidoux	Ordovician	

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Paleozoic Surface Data (MGS, McCracken):

Depth	Formation	Age	Lithology
-1322	St Peter	Ordovician	
-1410	Everton	Ordovician	
-1875	post-Black Rock	Ordovician	
-2920	Powell-Cotter?	Ordovician	
-4050	Jefferson City?	Ordovician	
-4175	Roubidoux?	Ordovician	
-4742			

Well Index Identification: AR35

Name: Benedum Trees Oil Co./#1 C.W. Mack (Missouri Geological Survey log #5406)

County: Mississippi

Location: 35.9418, -89.7996 (NW SW SW sec 3 T15N R12E)

Ground Level: 267

Total Depth: -4268 (Cambrian, Eminence-Potosi)

Completion Date: 3-18-39

Data Source(s): Glick, p.c.; Renfroe, 1949; Schwalb, 1982; Grohskopf, 1955; McCracken, p.c.; Schwalb, 1882; Caplan p.c., 1991

Remarks: Caplan gives the top of the Paleozoic as Ordovician, Jefferson City at -2538.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-2542	Jefferson City?	Ordovician	
-2887	Roubidoux?	Ordovician	
-3117		Ordovician	
-3132	Upper Gasconade?	Ordovician	
-3342	Lower Gasconade-VanBuran	Ordovician	
-4037		Ordovician	
-4057	Potosi-Eminence?	Upper Cambrian	

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-2539	Jefferson City	Ordovician	limestone
-2883	Roubidoux	Ordovician	limestone
-3338	Gasconade-VanBuran	Ordovician	limestone
-4051	Eminence	Upper Cambrian	dolomite

Well Index Identification: AR36

Name: Dow Chemical Co./B.L. Garrigan #1

County: Mississippi

Location: 35.9038, -90.0342 (NW NW sec 28 T15N R10E)

Ground Level: 239 (265kb)

Total Depth: -11799 (Cambrian, Arbuckle)

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Completion Date: 4-11-82

Data Source(s): Glick, p.c.; Caplan, p.c., 1991; Haley, p.c.; Repetski, p.c., 1991

Remarks: Repetski (1991) locates the Ordovician-Cambrian boundary between -3375 and -3395 ft based on a study of conodonts from drill cuttings. DST was run (Hickman, p.c., 1991). Logs run: DLC-GR, GR/CAL/AL, PROX-ML, Diplog, BHC, and CDL-CNL.

Drill-Hole Type: O&G

Paleozoic Surface Data (Caplan & Repetski):

Depth	Formation	Age	Lithology
-2369	Powell Dolo	Ordovician	
-3375?		Cambrian	siltstone

Well Index Identification: AR37

Name: Stone & Crenshaw/#1 L. Goldman

County: Lawrence

Location: 35.9603, -90.8464 (SE NW sec 15 T16N R2E)

Ground Level: 240?

Total Depth: -583

Completion Date: 2-23-39

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-581?	Everton?	Ordovician	

Well Index Identification: AR38

Name: Volcanic Oil & Gas Co./#1 A. McDaniel

County: Greene

Location: 36.0074, -90.5537 (SE SW SE sec 16 T16N R5E)

Ground Level: 350

Total Depth: -1344

Completion Date: 1922

Data Source(s): Renfroe, 1949; Glick, p.c.; Caplan, 1954

Remarks: Renfroe describes geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-1265		Ordovician	limestone

Well Index Identification: AR39

Name: W. Adams/#1 Fee

County: Greene

Location: 35.9993, -90.4031 (C NE SE NE sec 23 T16N R6E)

Ground Level: 240?

Total Depth: -1768

Completion Date: N.D.

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1610		Ordovician	limestone

Well Index Identification: AR40

Name: Home Oil Co./#1 C.H. Long
 County: Lawrence
 Location: 36.0401, -90.9420 (SE NW NE sec 11 T16N R1E)
 Ground Level: 280
 Total Depth: -131
 Completion Date: 1925
 Data Source(s): Renfroe, 1949; Glick, p.c.; Caplan, 1954

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-128			pyrite

Well Index Identification: AR41

Name: Stone & Crenshaw/#1 Hopkins
 County: Lawrence
 Location: 35.9848, -90.8851 (sec 28 T16N R2E)
 Ground Level: 258
 Total Depth: -486
 Completion Date: 2-13-39
 Data Source(s): AGC, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-465		Ordovician	

Well Index Identification: AR42

Name: Old River Oil & Gas/Holland
 County: Randolph
 Location: 36.1940, -90.9663 (SW SE SW sec 15 T18N R1E)
 Ground Level: 300
 Total Depth: -236
 Completion Date: 1931
 Data Source(s): Renfroe, 1949, Glick, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-55			sandstone

Well Index Identification: AR43

Name: A.L. Ginter/#1 Gordon
 County: Clay
 Location: 36.2639, -90.3023 (SE SE NE sec 22 T19N R7E)
 Ground Level: 315

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Total Depth: -994 (Ordovician, Jefferson City)

Completion Date: 1939

Data Source(s): Renfroe, 1949; Caplan, 1954; Glick, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe and Caplan):

Depth	Formation	Age	Lithology
-952	Cotter?	Ordovician	limestone

Well Index Identification: AR44

Name: G. Gallatin/#1 J. Galloway

County: Clay

Location: 36.2752, -90.2459 (S1/2 SW SW sec 17 T19N R8E)

Ground Level: 260 (289kb)

Total Depth: -1061

Completion Date: 3-19-57

Data Source(s): AGC, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1025		Ordovician	limestone

Well Index Identification: AR45

Name: S.C. Jeffus (Texas Piggot)/#1 Underwood

County: Clay

Location: 36.3900, -90.2109 (SE NW SE sec 4 T20N R8E)

Ground Level: 488

Total Depth: -765

Completion Date: 7-31

Data Source(s): Farrar and McQueen, p.c.; Glick, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Farrar & McQueen):

Depth	Formation	Age	Lithology
-720		Ordovician	

Well Index Identification: AR46

Name: St. Francis Oil Co./Marshall

County: Clay

Location: 36.3355, -90.1015 (sec 28 T20N R9E)

Ground Level: 270?

Total Depth: -1173

Completion Date: 1921

Data Source(s): Renfroe, 1949; Grohskopf, 1955; Glick, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-1104			sandstone

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Well Index Identification: AR47

Name: Clay County Oil Co./#1 R. Norred

County: Clay

Location: 36.3740, -90.1834 (SW SW SW sec 11 T20N R8E)

Ground Level: 284

Total Depth: -1001 (Ordovician, Roubidoux)

Completion Date: 6-44

Data Source(s): MGS, p.c.; Renfroe, 1949, Glick, p.c.; Caplan, 1954

Remarks: Renfroe describes geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-926	Roubidoux?	Ordovician	cherty dolo

Well Index Identification: AR50

Name: U-Tex Oil Co./W.C. Burns-Travis #1

County: Clay

Location: 36.3303, -90.2944 (SW SW SW sec 26 T20N R7E)

Ground Level: 490

Total Depth: -848

Completion Date: 4-26-43

Data Source(s): Renfroe, 1949; Glick, p.c.

Remarks: Renfroe describes geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-848	Everton?	Ordovician	cryst. dolo

Well Index Identification: AR51

Name: Clay County Oil and Gas Co./Marshall

County: Clay

Location: 36.4588, -90.5575 (C NW SW SE sec 17 T21N R5E)

Ground Level: 300

Total Depth: -1555

Completion Date: 1923

Data Source(s): Renfroe, 1949; Glick, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-75		Ordovician	limestone

Well Index Identification: AR52

Name: G. Warren and others/#1 Malkin Realty Co.

County: St. Francis

Location: 35.1206, -90.4608 (SE SE NE sec 21 T6N R6E)

Ground Level: 214kb

Total Depth: -3318 (Ordovician)

Completion Date: 1-13-61

Data Source(s): Glick, p.c.

Remarks:

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-3266?		Ordovician	

Well Index Identification: AR53

Name: Ramsey Petroleum Co./#1 M. Sanderson

County: Crittenden

Location: 35.1429, -90.3351 (NE NE NE sec 15 T6N R7E)

Ground Level: 212

Total Depth: -3297

Completion Date: 12-26-48

Data Source(s): Renfroe, 1949; Glick, p.c.; Caplan, 1954

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-3288	Plattin?	Ordovician	limestone

Well Index Identification: AR54

Name: Forest City Oil Co./#1 Shirley

County: St. Francis

Location: 35.1443, -90.7661 (NW NE NE sec 15 T6N R3E)

Ground Level: 309

Total Depth: -3201 (hard sandstone)

Completion Date: 7-7-20

Data Source(s): Renfroe, 1948; Glick, p.c.; Caplan, 1954

Remarks: Renfroe describes geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-2863			hard shale

Well Index Identification: AR55

Name: Manning & Martin Inc./#1 Park-Gieseck

County: Cross

Location: 35.1713, -90.5674 (NW NE NE sec 4 T6N R5E)

Ground Level: 205

Total Depth: -4246

Completion Date: 11-37

Data Source(s): Lantz, p.c.; Caplan, 1954; Renfroe, 1949; Glick, p.c.

Remarks: Basaltic dikes at -3515 and -3525.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-3070	Plattin	Ordovician?	shale?

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Paleozoic Surface Data (Caplan):

Depth	Formation	Age	Lithology
-3080?	Plattin	Ordovician	
-3560?	Rock Levee	Ordovician	
-3780?	Joachim	Ordovician	
-4120?	Dutchton	Ordovician	

Well Index Identification: AR56

Name: Manning & Martin Inc./#1 Cartwright
 County: Crittenden
 Location: 35.2240, -90.2521 (SW NE SW sec 16 T7N R8E)
 Ground Level: 225
 Total Depth: -3286
 Completion Date: 11-12-37
 Data Source(s): Lantz, p.c.; Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Lantz):

Depth	Formation	Age	Lithology
-3104		Ordovician	limestone

Well Index Identification: AR57

Name: General Crude Oil Co./#1 L. Carruth Est.
 County: Crittenden
 Location: 35.2571, -90.2717 (C N1/2 NW sec 5 T7N R8E)
 Ground Level: 210 (220kb)
 Total Depth: -3434
 Completion Date: 2-24-63
 Data Source(s): Glick, p.c.; Caplan, 1954 and 1964
 Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Caplan):

Depth	Formation	Age	Lithology
-3123		Ordovician	limestone

Well Index Identification: AR58

Name: S.J. Tucker/#1 McKnight
 County: Crittenden
 Location: 35.2092, -90.3741 (NW NW SW sec 20 T7N R7E)
 Ground Level: 212 (217kb)
 Total Depth: -3233
 Completion Date: 12-26-55
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-3230?		Ordovician	limestone

Well Index Identification: AR59

Name: Wilson & Rankin/#1 J.M. Leach

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

County: Crittenden
 Location: 35.2571, -90.3667 (C NE SE NW sec 5 T7N R7E)
 Ground Level: 215
 Total Depth: -3239
 Completion Date: 1960
 Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-3230	Plattin?	Ordovician	limestone

Well Index Identification: AR60

Name: T. Poyner #1/Adams
 County: Randolph
 Location: 36.3820, -90.9154 (sec 13 T20N R1E)
 Ground Level: 400?
 Total Depth: -525 (Ordovician, Gasconade)
 Completion Date: 1957
 Data Source(s): Caplan, 1960

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
115	Jefferson City	Ordovician	

Well Index Identification: AR61

Name: Deep Rock Oil Co./#1 Sample
 County: White
 Location: 35.5249, -91.6225 (C N1/2 SW SW sec 4 T10N R6W)
 Ground Level: 460 (Pennsylvanian?)
 Total Depth: -4598 (Ordovician, Powell)
 Completion Date: 11-26-52
 Data Source(s): Sheldon, 1954; Caplan, 1954, 1957, 1960 and 1964; Glick, p.c.;

Remarks: Sheldon's data are from S.E. Frezon. Sheldon gives Frezon's description of geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Caplan, 1954):

Depth	Formation	Age	Lithology
+460		Pennsylvanian?	
-2580?	Kimmswick	Ordovician	
-2620?	Plattin	Ordovician	
-2930?	Joachim	Ordovician	
-3040	St. Peter	Ordovician	
-4375	Powell	Ordovician	

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Paleozoic Surface Data (Frezon):

Depth	Formation	Age	Lithology
75	Jackfork sandstone	Pennsylvanian	ss-sh
-507	Stanley shale	Pennsylvanian	silty sh
-2202	Boone Formation equiv.	Mississippian	cryst. dolo
-2400?	Chattanooga shale equiv.	Miss. and Devonian	
-2445	Penters chert	Devonian	cherty cryst. ls
-2498	Silurian undifferentiated	Silurian	cryst. ls
-2505	Cason shale	Ordovician	shale
-2515	Kimmiswick(?) & Plattin	Ordovician	cryst. ls
-2920	Joachim(?)	Ordovician	cryst. dolo
-3037	St. Peter	Ordovician	ss(dolo)
-3195	Everton	Ordovician	cryst. dolo
-4375	Powell	Ordovician	silty ls

Well Index Identification: AR62

Name: /City of Salem #1
 County: Fulton
 Location: 36.3718, -91.8189 (sec 27 T20N R8W)
 Ground Level: 660
 Total Depth: -622 (Cambrian, Eminence)
 Completion Date: 1956
 Data Source(s): Caplan, 1960

Remarks:

Drill-Hole Type: MW

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
660	Cotter	Ordovician	
465	Jefferson City	Ordovician	
365	Roubidoux	Ordovician	
30	Gasconade-VanBuren	Ordovician	
-570	Gunter Member	Ordovician	
-585	Potosi-Eminence	Upper Cambrian	

Well Index Identification: AR63

Name: Arkansas Oil Ventures (Deardorff Oil Co.)/#1 Dogget
 County: Jackson
 Location: 35.4514, -91.3515 (NW NW sec 31 T10N R3N)
 Ground Level: 207
 Total Depth: -4789 (Ordovician, Jefferson City(Roubidoux?))
 Completion Date: 8-13-53
 Data Source(s): Sheldon, 1954; Caplan, 1954, 1957 and 1960
 Remarks: Sheldon's data are from S.E. Frezon. Frezon describes geology.
 Drill-Hole Type: O&G

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Paleozoic Surface Data (Caplan, 1954):

Depth	Formation	Age	Lithology
-305?	Atoka	Pennsylvanian	
-1940?	Kimmswick	Ordovician	
-2120?	Plattin	Ordovician	
-2310?	Joachim	Ordovician	
-2420?	St. Peter	Ordovician	
-2460?	Everton?	Ordovician	
-3537	Powell	Ordovician	
-4000	Cotter	Ordovician	
-4527	Jefferson City	Ordovician	

Paleozoic Surface Data (Frezon):

Depth	Formation	Age	Lithology
-1941	Kimmswick(?) & Plattin	Ordovician	Limy siltstone
-2325	Joachim(?)	Ordovician	cryst. dolo
-2423?	St. Peter	Ordovician	cryst. dolo
-2475	Everton	Ordovician	qtz ss(dolo)

Well Index Identification: AR64

Name: Magnolia Petroleum Co./#1 Roy Sturgis

County: Woodruff

Location: 35.3840, -91.3347 (sec 30 T9N R3W)

Ground Level: 217

Total Depth: -5785 (Ordovician, Jefferson City)

Completion Date: 9/17/54

Data Source(s): Caplan, 1957, 1960 and 1964, p.c. 1992

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Caplan, 1960):

Depth	Formation	Age	Lithology
-267	Atoka	Pennsylvanian	
-1753		Mississippian	
-3333	Chattanooga	Devonian	
-3463	Everton	Ordovician	
-3893	Powell	Ordovician	
-4676	Cotter	Ordovician	
-5351	Jefferson City	Ordovician	

Well Index Identification: AR65

Name: C.R. Craft Associates/# 1 J.A. Hinkle

County: Independence

Location: 35.5615, -91.3913 (C NW NW NE sec 23 T11N R4W)

Ground Level: 229

Total Depth: -978 (Middle Ordovician ?)

Completion Date: 10/1/54

Data Source(s): Caplan, 1954 and p.c., 1990

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-56?		Mississippian	

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Well Index Identification: AR66
 Name: R.L. Jones (Tabular Services)/#1 Norris
 County: Independence
 Location: 35.6774, -91.4555 (NW SE sec 17 T12N R4W)
 Ground Level: 235
 Total Depth: -408 (Ordovician, Kimmswick ?)
 Completion Date: 1/1/53
 Data Source(s): Caplan, 1954, 1957 and p.c., 1990
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-105?		Mississippian	

Well Index Identification: AR67
 Name: Hunt Oil Co./#1 J.B. Thornton
 County: Desha
 Location: 34.0553, -90.9822 (N1/2 NW NE sec 23 T7S R1E)
 Ground Level: 165
 Total Depth: -4479
 Completion Date: 1943
 Data Source(s): Caplan, 1954
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-4470?			

Well Index Identification: AR68
 Name: Blackwell Oil & Gas Co./#1 E.P. Fox
 County: Arkansas
 Location: 34.2463, -91.2975 (C SE sec 23 T5S R3W)
 Ground Level: 190
 Total Depth: -4182
 Completion Date: 1941
 Data Source(s): Caplan, 1954
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-4140?			

Well Index Identification: AR69
 Name: Ryan Consolidated Petroleum Co./#1 R. McCollum
 County: Arkansas
 Location: 34.5072, -91.4906 (C NW NW sec 24 T2S R5W)
 Ground Level: 215
 Total Depth: -3516
 Completion Date: 3-27-47
 Data Source(s): Caplan, 1954; Renfroe, 1949

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Ground Level: 209
 Total Depth: -2516
 Completion Date: 8-24-47
 Data Source(s): Caplan, 1954; Renfroe, 1949
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-2516	Atoka?	Pennsylvanian	hard shale

Well Index Identification: AR74
 Name: H.P. Taubman/#1 T. Peel
 County: Woodruff
 Location: 35.1131, -91.2691 (NE NW NE sec 26 T6N R3W)
 Ground Level: 200
 Total Depth: -1400
 Completion Date: 10-8-48
 Data Source(s): Caplan, 1954; Renfroe, 1949
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data (Caplan):

Depth	Formation	Age	Lithology
-1370?			

Well Index Identification: AR75
 Name: W.N. Gregory/#1 W.N. Gregory
 County: Woodruff
 Location: 35.1795, -91.3495 (SW SE SW sec 6 T6N R3W)
 Ground Level: 200
 Total Depth: -1475
 Completion Date: 2-20-26
 Data Source(s): Caplan, 1954; Renfroe, 1949
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data (Caplan):

Depth	Formation	Age	Lithology
-1100?			

Well Index Identification: AR76
 Name: J.L. Youngblood & Crow/#1 J.B. West
 County: Arkansas
 Location: 34.3290, -91.1791 (C NW NE sec 24 T4S R2W)
 Ground Level: 163
 Total Depth: -4020
 Completion Date: 1949
 Data Source(s): Caplan, 1954
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-3977			

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Well Index Identification: AR77

Name: Harrison Interests LTD/#1 A. Berry

County: Mississippi

Location: 35.7300, -90.0500 (SW SW NE sec 30 T13N R10E)

Ground Level: 234

Total Depth: -2916 (Ordovician, Everton)

Completion Date: 9-7-85

Data Source(s): Haley, p.c.; Caplan, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Caplan):

Depth	Formation	Age	Lithology
-2666?	Everton	Ordovician	

Well Index Identification: AR78

Name: Hughes Petroleum Co./#1 K.E. Thompson

County: Cross

Location: 35.3998, -90.6022 (SW NE sec 19 T9N R5E)

Ground Level: 211

Total Depth: -3339 (Ordovician)

Completion Date: 10-26-77

Data Source(s): Haley, p.c.; Caplan, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Caplan):

Depth	Formation	Age	Lithology
-2719?		Upper or Middle Ordovician	

Well Index Identification: AR79

Name: Fohs-Loffland Brothers/#1 L. Miller

County: Arkansas

Location: 34.2113, -91.4471 (SE NE sec 33 T5S R4W)

Ground Level: 190 (df)

Total Depth: -4370 (schist)

Completion Date: 3-18-40

Data Source(s): Renfroe, 1949; Caplan, 1954

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-4328			shale

Well Index Identification: AR81

Name: Jackson Development Co./#1 Johnson & Berger

County: Jackson

Location: 35.5375, -91.1320 (SE SW NE sec 31 T11N R1W)

Ground Level: 215

Total Depth: -1054

Completion Date: 1922

Data Source(s): Renfroe, 1949; Caplan, 1954

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-1047			hard pyritic ls

Well Index Identification: AR82

Name: Newport Prospecting/Well #1

County: Jackson

Location: 35.6095, -91.3015 (S1/2 sec 10 T11N R3W)

Ground Level: 210

Total Depth: -790

Completion Date: 1900

Data Source(s): Renfroe, 1949; Caplan, 1954

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-445?		Ordovician	

Well Index Identification: AR83

Name: Sohio Production Co./#1 G. Dewell

County: Monroe

Location: 34.8588, -91.3067 (C SW SW SW sec 22 T3N R3W)

Ground Level: 170

Total Depth: -2994

Completion Date: 8-15-43

Data Source(s): Renfroe, 1949; Caplan, 1954

Remarks: Renfroe gives some information on the geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-2470			pyritic shale

Well Index Identification: AR84

Name: J.H. Coker/#1 McClain

County: Monroe

Location: 34.9635, -91.1982 (C NE NW sec 15 T4N R2W)

Ground Level: 200

Total Depth: -2327

Completion Date: 8-2-37

Data Source(s): Renfroe, 1949; Caplan, 1954

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-2327?			quartzite

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Well Index Identification: AR85
 Name: McAlester Fuel Co. & H.M. Cox/#1 Welch
 County: Phillips
 Location: 34.3258, -90.8457 (SW SW SW sec 24 T4S R2E)
 Ground Level: 174 (df)
 Total Depth: -4765
 Completion Date: 1-15-47
 Data Source(s): Renfroe, 1949; Caplan, 1954
 Remarks: Renfroe describes geology.
 Drill-Hole Type: O&G
 Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-4348		Pennsylvanian	ss-shale

Well Index Identification: AR86
 Name: Martin & Coker/#1 W.H. Stewart
 County: Prairie
 Location: 34.9145, -91.5041 (NE SE NW sec 3 T3N R5W)
 Ground Level: 210?
 Total Depth: -2926
 Completion Date: 6-15-46
 Data Source(s): Renfroe, 1949; Caplan, 1954
 Remarks: Renfroe describes geology.
 Drill-Hole Type: O&G
 Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-1668?			shale

Well Index Identification: AR87
 Name: H.J. Wier & Sons/#1 E.P. Lynn and others
 County: St. Francis
 Location: 34.9706, -91.0399 (C SE SE SE sec 7 T4N R1E)
 Ground Level: 205
 Total Depth: -2591
 Completion Date: 3-27-48
 Data Source(s): Renfroe, 1949; Caplan, 1954
 Remarks:
 Drill-Hole Type: O&G
 Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-2587			

Well Index Identification: AR88
 Name: Woodruff County Arkansas Syndicate/#1 H. Rosser
 County: Woodruff
 Location: 35.0630, -91.2432 (SE SE SE sec 7 T5N R2W)
 Ground Level: 217
 Total Depth: -1894
 Completion Date: 5-21-25
 Data Source(s): Renfroe, 1949; Caplan, 1954
 Remarks: Renfroe describes geology.

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-1677			sandy shale

Well Index Identification: AR89

Name: R.B. Curtis/#1 R. Sheridan

County: White

Location: 35.0948, -91.7889 (NE SW sec 31 T6N R7W)

Ground Level: 231

Total Depth: -1519

Completion Date: 1-48

Data Source(s): Renfroe, 1949; Caplan, 1954; Glick, p.c.

Remarks: Renfroe describes geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-104			

Well Index Identification: AR90

Name: Killam & McMilliam/#1 J.C. Curl

County: White

Location: 35.4237, -91.5286 (C NE SW sec 10 T9N R5W)

Ground Level: 448 (Paleozoic surface)

Total Depth: -4324

Completion Date: 2-3-45

Data Source(s): Renfroe, 1949; Sheldon, 1954; Caplan, 1957

Remarks: Sheldon's data are from R.J. Lantz. Lantz describes geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
388		Pennsylvanian	qtz. ss-sh
-882	Marrow Gp	Pennsylvanian	black shale
-3012		Silurian	limestone
-3127	Kimmswick	Ordovician	cherty ls
-3467	Plattin	Ordovician	limestone
-3552	Joachim-St. Peter	Ordovician	dolo-ls
-3672	Everton	Ordovician	dolo-sandy ls

Paleozoic Surface Data (Lantz):

Depth	Formation	Age	Lithology
-152	Jackfork		shale
-872	Stanley		pyritic sh
-3010	Fernvale	Ordovician	cryst. ls
-3117	Kimmswick & Plattin	Ordovician	cryst. ls- chert
-3517	St. Peter	Ordovician	sandstone
-3652	Everton	Ordovician	dolomite

Well Index Identification: AR92

Name: Fletcher-Gates Development Co./#1 Fletcher

County: Lonoke

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Location: 34.6260, -91.8148 (SE NE NE sec 13 T1S R8W)
 Ground Level: 217
 Total Depth: -2048
 Completion Date: 3-16-25
 Data Source(s): Renfroe, 1949
 Remarks: Renfroe gives geology.
 Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1889			hard shale

Well Index Identification: AR93
 Name: Arkansas Oil Corp./#1 Scroggin
 County: Lonoke
 Location: 34.5449, -91.9950 (NW SW NW sec 17 T2S R9W)
 Ground Level: 228
 Total Depth: -1938
 Completion Date: 8-10-21
 Data Source(s): Renfroe, 1949
 Remarks: Renfroe gives geology.
 Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1746			sh-sandy ls

Well Index Identification: AR94
 Name: J. Fitzpatrick/W.W. Pryor
 County: Independence
 Location: 35.7220, -91.6603 (C SE SE sec 32 T13N R6W)
 Ground Level: 385(df) (ground surface is Paleozoic)
 Total Depth: -1541
 Completion Date: 11-9-41
 Data Source(s): Renfroe, 1949; Sheldon, 1954; Caplan, 1957
 Remarks: Sheldon's data are from R.J. Lantz. Renfroe and Lantz describe geology. Lantz has total Depth at -1489 or -1539 in Everton.
 Drill-Hole Type (Renfroe):

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
385?	Batesville	Mississippian	sandstone
325?	Moorefield	Mississippian	sandstone
-60?	Boone	Mississippian	limestone
-205?	Chattanooga	Devonian	
-245?		Devonian	
-295?		Silurian	
-310?	Cason	Ordovician	
-315?	Fernvale	Ordovician	
-375?	Kimmswick	Ordovician	
-425?	Plattin-Stones River	Ordovician	
-667?	Joachim	Ordovician	
-758?	St. Peter	Ordovician	
-883?	Everton	Ordovician	

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Paleozoic Surface Data (Lantz):

Depth	Formation	Age	Lithology
327	Ruddell	Mississippian	siltstone
89	Moorefield	Mississippian	cryst. dolo
-70	Boone	Mississippian	cherty ls
-201	Chattanooga	Miss.-Devonian	
-222	Penters	Devonian	cryst. ls
+01	Silurian undifferentiated	Silurian	
-363	Fernvale	Ordovician	cryst. ls(?)
-424	Kimmiswick(?) & Plattin	Ordovician	cryst. ls
-665	Joachim	Ordovician	
-756	St. Peter	Ordovician	ss-dolo
-876	Everton	Ordovician	sandstone

Well Index Identification: AR95

Name: Southern Mine Co./#2 Well

County: Independence

Location: 35.8791, -91.7592 (SW SE sec 8 T14N R7W)

Ground Level: 645

Total Depth: -1395

Completion Date:

Data Source(s): Renfroe, 1949

Remarks: Renfroe describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
595	Joachim-Plattin	Ordovician	limestone
355	Joachim	Ordovician	limestone
345	St. Peter	Ordovician	sandstone

Well Index Identification: AR96

Name: D.J. Flesh/#1 Rosencrantz and others

County: Arkansas

Location: 34.4746, -91.6218 (C NE SE SE sec 2 T3S R6W)

Ground Level: 219 (df)

Total Depth: -3416

Completion Date: 8-13-47

Data Source(s): Renfroe, 1949

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Renfroe):

Depth	Formation	Age	Lithology
-3345	Atoka?	Pennsylvanian	hard sh-ls

Well Index Identification: AR97

Name: Woodard Energy/#1 G.J. Lines

County: Cross

Location: 35.2704, -91.0346 (NE sec 31 T8N R1E)

Ground Level: 220

Total Depth: -4018 (Ordovician ?, Arbuckle)

Completion Date: 6-12-86

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Data Source(s): Haley, p.c.; Caplan, p.c.,

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Caplan):

Depth	Formation	Age	Lithology
-1930		Mississippian	
-4775?	Arbuckle	Ordovician?	

Well Index Identification: AR98

Name: Harrison Interests LTD/#1 Portis-Potter

County: Poinsett

Location: 35.6188, -90.3513 (SW SW sec 33 T12N R7E)

Ground Level: 220

Total Depth: -7795 (Cambrian, Lower Knox Group)

Completion Date: 12-1-85

Data Source(s): Haley, p.c.; Caplan, p.c.; Hickman, p.c., 1991

Remarks: Logs run; DI/SFL-GR, Temp/GR, Sonic, Electromagnetic Propagation, COG/GR, Directional Survey, and CN-L/GR

Drill-Hole Type: O&G

Paleozoic Surface Data (Caplan):

Depth	Formation	Age	Lithology
-2620?	Everton	Ordovician	
-7778		Cambrian	

Well Index Identification: AR99

Name: Amoco Petroleum Co./#1 B.P. Haynes

County: Mississippi

Location: 35.8638, -89.8485 (SW sec 6 T14N R12E)

Ground Level: 249

Total Depth: -12251 (Cambrian, Bonneterre? dolomite)

Completion Date: 6-2-87

Data Source(s): Haley, p.c.; Caplan, p.c.; Hickman, p.c., 1991

Remarks: DST run. Logs run: Phasor Induction, SFL/GR, LDT/CNL, LSS, MGT Micro Log, VSP, HDT, Sonic, and Diplog.

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-2591	Powell or Cotter	Ordovician	dolomite
-4800?	Eminence	Cambrian	
-10750?	Bonneterre	Cambrian	dolomite

Well Index Identification: AR102

Name: Lion Oil Co./Nalley #1

County: White

Location: 35.2737, -91.7498 (C SE NE sec 33 T8N R7W)

Ground Level: 425

Total Depth: -5972 (Ordovician, Everton)

Completion Date: 11-4-45

Data Source(s): Sheldon, 1954; Caplan, 1957

Remarks: Lantz describes geology.

Drill-Hole Type: O&G

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Paleozoic Surface Data (Sheldon):

Depth	Formation	Age	Lithology
-465	Morrow	Pennsylvanian	silty sh
-1400	Jackfork	Pennsylvanian	shale
-2145	Stanley	Pennsylvanian	shale
-5120	Penters	Devonian	cryst. ls
-5155	Cason	Ordovician	
-5162	Fernvale	Ordovician	cryst. pyritic limestone
-5270	Kimmswick & Plattin	Ordovician	cryst. ls
-5505	Everton	Ordovician	cryst. ls

Well Index Identification: AR103
 Name: States Oil Co./#1 LaFerney
 County: White
 Location: 35.0344, -91.8350 (sec 25 T6N R8W)
 Ground Level: 220?
 Total Depth: -4820 (Pennsylvanian, Morrow)
 Completion Date: N.D.
 Data Source(s): Caplan, 1957
 Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-820?	Atoka	Pennsylvanian	
-11000	Bonneterre	Cambrian	

Well Index Identification: AR104
 Name: PanAmerican Petroleum Co./#1 Hart
 County: Monroe
 Location: 34.8190, -91.0563 (sec 4 T2N R1W)
 Ground Level: 200?
 Total Depth: -6115? (Devonian)
 Completion Date: 1963
 Data Source(s): Caplan, 1964
 Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-2965			

Well Index Identification: AR105
 Name: Delta States Oil Co./#1 Word
 County: Jefferson
 Location: 34.3557, -91.7695 (sec 16 T4S R7W)
 Ground Level: 198?
 Total Depth: -3572 (Pennsylvanian Atoka or Ouachita facies)
 Completion Date: 1963
 Data Source(s): Caplan, 1964 and p.c., 1991
 Remarks:

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-3565	Atoka?	Pennsylvanian	

Well Index Identification: AR106

Name: Sunray DX Oil Co./#1 Morris

County: Woodruff

Location: 35.2453, -91.1567 (sec 12 T7N R2W)

Ground Level: 200? (208kb)

Total Depth: -5812 (Lower Ordovician?)

Completion Date: 1963

Data Source(s): Caplan, 1964 and p.c., 1991

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1350?	Bloyd or Prairie Grove	Pennsylvanian	

Well Index Identification: AR107

Name: Ambassador Oil Co./#1 Thompson Unit

County: Phillips

Location: 34.4492, -90.6469 (sec 11 T3S R4E)

Ground Level: 175?

Total Depth: -9120 (Pennsylvanian, Atoka)

Completion Date: 1063

Data Source(s): Caplan, 1964

Remarks: Caplan states that almost 5000 ft Paleozoic-age shale, siltstone, and sandstone were drilled and that these rocks are thought to be Pennsylvanian Atoka or possibly Mississippian Stanley Shale. Minor amounts of basic igneous rocks (Mesozoic?) were found.

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-4120?	Atoka	Pennsylvanian	silts, ss

Well Index Identification: AR108

Name: Ambassador Oil Co./#1 Montgomery Unit

County: Pulaski

Location: 34.7879, -92.0776 (sec 21 T2N R10W)

Ground Level: 250?

Total Depth: -7758? (Pennsylvanian, Atoka or Stanley)

Completion Date: 1963

Data Source(s): Caplan, 1964

Remarks: Caplan states that almost 7400 ft Paleozoic Age shale, siltstone, and sandstone were drilled and that these rocks are thought to be Pennsylvanian Atoka or possibly Mississippian Stanley Shale. Numerous thin basic igneous rocks (Mesozoic?) were also encountered.

Drill-Hole Type: O&G

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-358?	Atoka or Stanley	Pennsylvanian	sh,silts,ss

Well Index Identification: AR109

Name: Pursley and others/#1 Cox

County: Randolph

Location: 36.3783, -90.6718 (C SW SW SW sec 17 T20N R30E)

Ground Level: 300?

Total Depth: -3705? (Precambrian basement)

Completion Date: 11/6/63

Data Source(s): Caplan, 1964 and p.c. 1991, 1992

Remarks: According to Caplan this is the deepest test well, stratigraphically in eastern Arkansas .

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-100?	Cotter Dolomite	Ordovician	

Well Index Identification: AR110

Name: Columbian Gas Co./Victoria Cross Lumber Co. #1

County: Desha

Location: 33.9500, -91.3000 (sec 34 T8S R3W)

Ground Level: 110?

Total Depth: -4805 (igneous rock, syenite?)

Completion Date: 1934

Data Source(s): Caplan, 1954, 1961 and 1964

Remarks: Normal syenite (granite) at 4875 ft, TD at 4915 ft.

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: AR111

Name: Panhandle Eastern Pipeline Co./Ives #1-22

County: Prairie

Location: 34.6000, -91.4135 (sec 22 T1S R4W)

Ground Level: 214?

Total Depth: -11786 (Pennsylvanian, Atoka?)?

Completion Date: 1958

Data Source(s): Caplan, 1964 and p.c. 1991; Hickman, p.c., 1991

Remarks: Caplan (p.c., 1991) stated that the upper half of the stratigraphic column drilled contained "a number of orthoquartzitic sandstones" and the lower half "was almost all shale and siltstone". DST run.

Drill-Hole Type: O&G

Paleozoic Surface Data (Caplan and Hickman):

Depth	Formation	Age	Lithology
-3083?	Atoka	Pennsylvanian	

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Well Index Identification: AR112
 Name: Geochemical Surveys and others/Cobb #1
 County: Lonoke
 Location: 34.6278, -92.0581 (sec 18 T1S R9W)
 Ground Level: 200?
 Total Depth: -7816 (Pennsylvanian, Stanley Shale)
 Completion Date: 1961
 Data Source(s): Caplan, 1964
 Remarks: Caplan states that, "number of thin, basic, igneous rocks (Mesozoic?)" were encountered in the almost 6,400 ft of Paleozoic Ouachita facies drilled.

Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1416?	Stanley Shale	Pennsylvanian	

Well Index Identification: AR114
 Name: Stuck and others/#1 Broadway
 County: Craighead
 Location: 35.9082, -90.8056 (sec 30 T15N R3E)
 Ground Level: 250?
 Total Depth: -1450? (Ordovician, Knox-Arbuckle)
 Completion Date: 2/27/24
 Data Source(s): Caplan, 1954 and p.c., 1991
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-800?	Everton or Powell	Ordovician	

Well Index Identification: AR115
 Name: Lion Oil Co./#1 Bickham
 County: Desha
 Location: 33.7952, -91.3753 (NW SW sec 35 T10S R3W)
 Ground Level: 151
 Total Depth: -4730
 Completion Date: 1946
 Data Source(s): Caplan, 1954
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-4580?			

Well Index Identification: AR116
 Name: Lion Oil Co./#1 Griggs
 County: VanBuran
 Location: 35.4883, -92.3539 (sec 23 T10N R13W)
 Ground Level: 780
 Total Depth: -3852

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Completion Date:

Data Source(s): Caplan, 1954

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+780			

Well Index Identification: AR117

Name: Donnelly and others/#1 Donaphan Lumber Co.

County: Cleburne

Location: 35.5409, -91.9611 (SE SE NW sec 33 T11N R9W)

Ground Level: 870

Total Depth: -2920 (Ordovician)

Completion Date: 11/16/31

Data Source(s): Caplan, 1954; Sheldon, 1954

Remarks: Sheldon lists E.E. Glick as the logger. Sheldon gives sample description.

Drill-Hole Type: O&G

Paleozoic Surface Data (Sheldon):

Depth	Formation	Age	Lithology
+403?	Marrow Gp.	Pennsylvanian	
-360?	Jackfork Sandstone	Pennsylvanian	
-746	Stanley Shale	Pennsylvanian	
-2130?	Boone Fm.	Mississippian	
-2360	Chattanooga Shale (equiv.)	Mississippian	
-2398	Penters Chert	Devonian	
-2489		Silurian	
-2508	Fernvale Limestone	Ordovician	
-2560	Kimmswick?-Plattin Ls	Ordovician	
-2790	Joachim?	Ordovician	
-2853	St. Peter Sandstone	Ordovician	

Well Index Identification: AR118

Name: Wonder State Development Co./Wilson #1

County: Palaski

Location: 34.5355, -92.1923 (NE SW sec 21 T2S R11W)

Ground Level: 250?

Total Depth: -1297?

Completion Date: 1929

Data Source(s): Caplan, 1954

Remarks: Igneous rock (granitic or pegmatitic) at -1294(?).

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1297?			

Well Index Identification: AR119

Name: Cosden Oil Co./#1 Donaphan Lumber Co.

County: Cleburne

Location: 35.4883, -92.1068 (SW SE sec 19 T9N R10W)

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Ground Level: 750
 Total Depth: -3610
 Completion Date: 10/17/30?
 Data Source(s): Sheldon, 1954
 Remarks: Sheldon lists E.R. Applin as the logger. Sheldon gives sample description.

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1400	Marrow Gp.	Pennsylvanian	
-2285?	Jackfork Sandstone	Pennsylvanian	
-2974	Stanley	Pennsylvanian	

Well Index Identification: AR120

Name: City of Cotter/#1 Water Well

County: Baxter

Location: 36.2738, -92.5332 (sec 31 T19N R14W)

Ground Level: 800?

Total Depth: -290? (Ordovician, Gasconade)

Completion Date:

Data Source(s): Caplan, 1954, 1960, and p.c., 1991

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+800	Cotter Dolomite	Ordovician	
+310	Jefferson City	Ordovician	
+80	Roubidoux	Ordovician	
-140	Gasconade Dolomite	Ordovician	

Well Index Identification: AR121

Name: City of Mountain Home/#3 Water Well

County: Baxter

Location: 36.3312, -92.3887 (sec 9 T19N R13W)

Ground Level: 809

Total Depth: -741 (Cambrian, Potosi-Eminence)

Completion Date: N.D.

Data Source(s): Caplan, 1954, 1960, p.c. 1991

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+809	Cotter Dolomite	Ordovician	
+329	Jefferson City Dolomite	Ordovician	
+39?	Roubidoux	Ordovician	
-136?	Gunter Member	Ordovician	
-741	Potosi-Eminence	Cambrian	

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Well Index Identification: AR122

Name: Baker/#1 Ramsdell

County: Fulton

Location: 36.4819, -91.5774 (sec 11 T21N R6W)

Ground Level: 575?

Total Depth: +225 (Ordovician, Roubidoux)

Completion Date: N.D.

Data Source(s): Caplan, 1954, 1960 and p.c. 1991

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+575?	Jefferson City Dolomite	Ordovician	
+100	Roubidoux	Ordovician	

Well Index Identification: AR123

Name: City of Mammoth Springs/Water Well

County: Fulton

Location: 36.5015, -91.5305 (sec 8 T21N R5W)

Ground Level: 573

Total Depth: +223 (Ordovician, Roubidoux)

Completion Date: N.D.

Data Source(s): Caplan, 1954, 1960 and p.c. 1991

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+573	Jefferson City Dolomite	Ordovician	
+458	Roubidoux	Ordovician	

Well Index Identification: AR124

Name: Sun Exploration/#1 Nichols Trust

County: Woodruff

Location: 35.0565, -91.3940 (sec 14 T5N R4W)

Ground Level: 179

Total Depth: -13621 (Cambrian?)

Completion Date: 1982

Data Source(s): Hickman, p.c., 1991; Caplan, p.c., 1991

Remarks: Logs run: BHC/AL, Diplog, CDL/C/CN/GR, and DIL

Drill-Hole Type: O&G

Paleozoic Surface Data:(Caplan)

Depth	Formation	Age	Lithology
-1510?	Atoka or Bloyd Shale	Pennsylvanian	

Well Index Identification: AR125

Name: Pennzoil Co./#1 Morris

County: Woodruff

Location: 35.3068, -91.0809 (sec 15 T8N R1W)

Ground Level: 210

Total Depth: -4590 (Lower Ordovician)

Completion Date: 1982

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Data Source(s): Hickman, p.c., 1991; Caplan, p.c., 1991
 Remarks: Logs run: BHC/AL/GR, Diplog, CDL/C/CN/GR, and DIL
 Drill-Hole Type: O&G

Paleozoic Surface Data:(Hickman)

Depth	Formation	Age	Lithology
-1866			

Paleozoic Surface Data:(Caplan)

Depth	Formation	Age	Lithology
-3030	Cane Hill Mbr.(?) Hale Fm	Pennsylvanian	

Well Index Identification: AR126
 Name: Neeley and Neeley/Water Well
 County: Lonoke
 Location: 34.9800, -92.0116 (sec 18 T4N R9W)
 Ground Level: 275
 Total Depth: +159
 Completion Date: N.D.
 Data Source(s): Caplan, 1954

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+220?			

Well Index Identification: AR127
 Name: Exxon/#1 City of Searcy
 County: White
 Location: 35.2186, -91.7393 (sec 22 T7N R7W)
 Ground Level: 260
 Total Depth: -12743 (Ordovician?, Arbuckle)
 Completion Date: 1982
 Data Source(s): Arkansas Geologic Commission (Caplan), 1991

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+260	Middle Atoka	Pennsylvanian	
-8740	Arbuckle (Knox Gp., Powell?)	Ordovician	

TABLE 2A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Arkansas--Continued

Well Index Identification: AR128
 Name: Moran Exploration, Inc./#1 Reaper
 County: White
 Location: 35.3398, -91.8184 (sec 12 T8N R8W)
 Ground Level: 250
 Total Depth: -7750 (Ordovician?, Arbuckle)
 Completion Date: 1981
 Data Source(s): Caplan, p.c., 1992
 Remarks: Produced gas from the Everton (?) for eight months. Fracture ID log was run.

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+250	Atoka	Pennsylvanian	
-6384	Everton	Ordovician	

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois

[All personal communication references (p.c.) are dated 1988 unless otherwise stated]

Well Index Identification: IL1
Name: Gwin/#1 J. Chaney
County: Alexander
Location: 37.1799, -89.3902 (SE SW NW sec 25 T15S R3W)
Ground Level: 380
Total Depth:
Completion Date: N.D.
Data Source(s): Kolata and others, 1981
Remarks:

Drill-Hole Type:
Paleozoic Surface Data:

Depth	Formation	Age	Lithology
340			

Well Index Identification: IL2
Name: Welch Brothers/B.R. Hall
County: Alexander
Location: 37.1735, -89.3974 (SE SE SE sec 26 T15S R3W)
Ground Level: 400
Total Depth:
Completion Date: N.D.
Data Source(s): Kolata and others, 1981
Remarks:

Drill-Hole Type:
Paleozoic Surface Data:

Depth	Formation	Age	Lithology
198			

Well Index Identification: IL4
Name: Prindle & Vick/#1 Petty
County: Alexander
Location: 37.111, -89.3704 (NE SW NE sec 19 T16S R2W)
Ground Level: 340
Total Depth:
Completion Date: N.D.
Data Source(s): Kolata and others, 1981
Remarks:

Drill-Hole Type:
Paleozoic Surface Data:

Depth	Formation	Age	Lithology
143			

Well Index Identification: IL5
Name: Gould/#1 Transient Camp
County: Alexander
Location: 37.1107, -89.2845 (NW NW NW sec 24 T16S R2W)
Ground Level: 310
Total Depth:
Completion Date: N.D.

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
213			

Well Index Identification: IL10

Name: Vick Oil Co./#1 Smith

County: Alexander

Location: 37.0392, -89.3267 (NW NW NW sec 15 T17S R2W)

Ground Level: 325

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-125			

Well Index Identification: IL11

Name: Sergent/#1 D. Ritter

County: Pulaski

Location: 37.2730, -89.1215 (SE SW SW sec 19 T14S R1E)

Ground Level: 335

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
336			

Well Index Identification: IL12

Name: Sergent/#1 C.J. Egner

County: Pulaski

Location: 37.2727, -89.1226 (SW SW SW sec 21 T14S R1E)

Ground Level: 345

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
250			

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Well Index Identification: IL13
 Name: Sergent/#1 H.K. Lite
 County: Pulaski
 Location: 37.2718, -89.1049 (SW SW SE sec 21 T14S R1E)
 Ground Level: 370
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
340			

Well Index Identification: IL14
 Name: Sergent/#1 R. Cross
 County: Pulaski
 Location: 37.2718, -89.0840 (SE SE SE sec 22 T14S R1E)
 Ground Level: 338
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
285			

Well Index Identification: IL15
 Name: Sergent/#1 H.E. Modlin
 County: Pulaski
 Location: 37.2581, -89.1435 (SW NE SW sec 30 T14S R1E)
 Ground Level: 390
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
290			

Well Index Identification: IL16
 Name: Sergent/#1 J. Hall
 County: Pulaski
 Location: 37.2462, -89.1290 (NE SW SW sec 32 T14S R1E)
 Ground Level: 360
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
264			

Well Index Identification: IL18

Name: Sergeant/#1 H. Barefield
 County: Pulaski
 Location: 37.2881, -89.0307 (SW SW SE sec 18 T14S R2E)
 Ground Level: 350
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
150			

Well Index Identification: IL19

Name: Sergeant/#1 E.H. Henderson
 County: Pulaski
 Location: 37.2908, -89.0382 (NW SW SW sec 18 T14S R2E)
 Ground Level: 368
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
270			

Well Index Identification: IL20

Name: Sergeant/#1 G. Inman
 County: Pulaski
 Location: 37.2616, -88.9866 (SE SE SE sec 28 T14S R2E)
 Ground Level: 360
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
300			

Well Index Identification: IL21

Name: Sergeant/#2 G. Inman
 County: Pulaski
 Location: 37.2674, -89.0312 (NW NW NE sec 30 T14S R2E)
 Ground Level: 490
 Total Depth:

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
185			

Well Index Identification: IL22

Name: Sergeant/#1 T. Roach

County: Pulaski

Location: 37.2462, -89.0226 (NE NE SE sec 21 T14S R2E)

Ground Level: 420

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
260			

Well Index Identification: IL23

Name: Weldon/Illinois Central

County: Pulaski

Location: 37.2152, -89.2059 (SE NE NW sec 15 T15S R1W)

Ground Level: 340

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
240			

Well Index Identification: IL24

Name: Sergeant/#1 H. Essex

County: Pulaski

Location: 37.1876, -89.1800 (SE SW SE sec 23 T15S R1W)

Ground Level: 390

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
145			

Well Index Identification: IL25

Name: Weldon/A.U. Pawlisch

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

County: Pulaski
 Location: 37.1727, -89.2081 (NW SE SW sec 27 T15S R1W)
 Ground Level: 350
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type: Paleozoic Surface Data:

Depth	Formation	Age	Lithology
180			

Well Index Identification: IL26
 Name: Weldon/J.H. Audrich
 County: Pulaski
 Location: 37.1589, -89.1731 (NW SE SE SE sec 35 T15S R1W)
 Ground Level: 450
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
205			

Well Index Identification: IL27
 Name: Sergeant/H. Richards
 County: Pulaski
 Location: 37.2326, -89.1112 (SW SE NW sec 4 T15S R1E)
 Ground Level: 455
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
303			

Well Index Identification: IL28
 Name: Sergeant/#1 L.L. Downs
 County: Pulaski
 Location: 37.2221, -89.1440 (NE NE NE SW sec 7 T15S R1E)
 Ground Level: 463
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
113			

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Well Index Identification: IL29

Name: W.L. Richey/#1 R.G. Williams

County: Pulaski

Location: 37.2130, -89.1068 (SE SW sec 9 T15S R1E)

Ground Level: 450

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
49			

Well Index Identification: IL30

Name: Sergent/#1 J. Carrol

County: Pulaski

Location: 37.1893, -89.1296 (SW NW SE sec 20 T15S R1E)

Ground Level: 440

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-130			

Well Index Identification: IL31

Name: White/#1 J. Goza

County: Pulaski

Location: 37.1835, -89.1233 (NE SW SE sec 20 T15S R1E)

Ground Level: 415

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-54			

Well Index Identification: IL32

Name: Case Engineering Co./Olmsted City Well

County: Pulaski

Location: 37.1816, -89.0901 (SE SE SW sec 22 T15S R1E)

Ground Level: 338

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-161			

Well Index Identification: IL33

Name: Illinois State Geological Survey/# D-7

County: Pulaski

Location: 37.2444, -88.9299 (SE NE NE sec 1 T15S R2E)

Ground Level: 415

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type: ET

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
320			

Well Index Identification: IL34

Name: Ill. State Geol. Survey/# 1 J. Miller

County: Pulaski

Location: 37.2350, -88.9491 (SW NW SE sec 2 T15S R2E)

Ground Level: 400

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type: ET

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
154			

Well Index Identification: IL36

Name: Ill. State Geol. Survey/#3 J. Miller

County: Pulaski

Location: 37.2334, -88.9480 (SE SW SE sec 2 T15S R2E)

Ground Level: 390

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type: ET

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
245			

Well Index Identification: IL37

Name: Sergeant/#1 A. Eddleman

County: Pulaski

Location: 37.2336, -88.9558 (SE SW NE sec 3 T15S R2E)

Ground Level: 400

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
370			

Well Index Identification: IL38

Name: U. S. War Dept./Lock and Dam 53

County: Pulaski

Location: 37.2041, -89.0438 (SE SW NW sec 18 T15S R2E)

Ground Level: 315

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
126			

Well Index Identification: IL41

Name: Sergeant/#1 J. Brennan

County: Pulaski

Location: 37.1231, -89.1345 (NW SE NW sec 17 T16S R1W)

Ground Level: 315

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
122			

Well Index Identification: IL42

Name: Cache Oil Co./#1 G. Moses

County: Pulaski

Location: 37.1196, -89.2353 (SW NE SE sec 17 T16S R1W)

Ground Level: 335

Total Depth: -2627 (Ordovician, Roubidoux)

Completion Date: N.D.

Data Source(s): Pryor and Ross, 1962

Remarks:

Drill-Hole Type:

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
192	Bailey	Devonian	chert
-293	St. Clear-Moccasin Springs	Silurian	limestone
-450	Sexton Creek	Silurian	limestone
-495	Maquoketa	Ordovician	siltst.-sh
-706	Kimmswick	Ordovician	limestone
-840	Decorah	Ordovician	
-1005	Plattin	Ordovician	ls-dolo
-1469	Joachim	Ordovician	ls-dolo
-1827	Dutchtown	Ordovician	ls-dolo
-2029	St. Peter	Ordovician	sandstone
-2140	Everton	Ordovician	dolo-ss
-2332	Jefferson City	Ordovician	dolomite
-2615	Roubidoux	Ordovician	sandstone

Well Index Identification: IL44

Name: Mound City Ice Plant Well

County: Pulaski

Location: 37.1056, -89.2051 (NW NW SE sec 22 T16S R1W)

Ground Level: 400

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
130			

Well Index Identification: IL49

Name: Halliday/Mound City Well

County: Pulaski

Location: 37.0832, -89.1591 (NW NE NE sec 36 T16S R1W)

Ground Level: 300

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-30			

Well Index Identification: IL50

Name: Vick Oil Co./#1 Boyd

County: Pulaski

Location: 37.1484, -89.1369 (NW NE SW sec 5 T16S R1E)

Ground Level: 355

Total Depth:

Completion Date: N.D.

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-2			

Well Index Identification: IL52

Name: Sergent/Mound City Warehouse Co.

County: Pulaski

Location: 37.0926, -89.1510 (sec 30 T16S R1E)

Ground Level: 300

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
8			

Well Index Identification: IL53

Name: Sergent/#1 A. Barnett

County: Massac

Location: 37.2743, -88.8901 (NW NW NW sec 28 T14S R3E)

Ground Level: 380

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
258			

Well Index Identification: IL54

Name: Beandland/P. Barnett

County: Massac

Location: 37.2719, -88.8870 (NW NW NW sec 28 T14S R3E)

Ground Level: 375

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
293			

Well Index Identification: IL57

Name: Sergent/#1 T. Lewis

County: Massac

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Location: 37.2703, -88.8985 (NW SW NE sec 29 T14S R3E)

Ground Level: 445

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
280			

Well Index Identification: IL58

Name: Sergeant/#1 P. Fisher

County: Massac

Location: 37.2697, -88.9152 (NW NW NW sec 30 T14S R3E)

Ground Level: 380

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
350			

Well Index Identification: IL61

Name: Sergeant/R. Stubblefield

County: Massac

Location: 37.2505, -88.8859 (SE SE SW sec 33 T14S R3E)

Ground Level: 400

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
372			

Well Index Identification: IL63

Name: Richey/#1 T. Korte

County: Massac

Location: 37.2690, -88.7104 (SE NW SE sec 25 T14S R4E)

Ground Level: 450

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
307			

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Well Index Identification: IL65

Name: Richey/#1 B. Brewer

County: Massac

Location: 37.2799, -88.6936 (NW SE SE sec 19 T14S R5E)

Ground Level: 435

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
374			

Well Index Identification: IL66

Name: Fitch Brothers/#1 Pullen and Farmer

County: Massac

Location: 37.2897, -88.6767 (NE NE NE sec 20 T14S R5E)

Ground Level: 420

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
352			

Well Index Identification: IL67

Name: Richey/#1 W. Kruger

County: Massac

Location: 37.2748, -88.6792 (NE NW NE sec 29 T14S R5E)

Ground Level: 440

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
411			

Well Index Identification: IL71

Name: Richey/#1 J. Weaver

County: Massac

Location: 37.2642, -88.7068 (SE SE SE NE sec 32 T14S T5E)

Ground Level: 500

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
78			

Well Index Identification: IL72

Name: Sergent/#1 J. Mathews

County: Massac

Location: 37.1974, -88.8225 (NE NE NE sec 1 T15S R3E)

Ground Level: 340

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
270			

Well Index Identification: IL73

Name: Richey/#1 T. Windhorst

County: Massac

Location: 37.2394, -88.8358 (SW NW SW sec 1 T15S R3E)

Ground Level: 375

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
210			

Well Index Identification: IL74

Name: Sergent/#1 C. Brewer

County: Massac

Location: 37.2463, -88.8752 (NW NW NW sec 3 T15S R3E)

Ground Level: 370

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
290			

Well Index Identification: IL77

Name: Sergent/#1 L. Neill

County: Massac

Location: 37.2454, -88.8980 (NE NE NE sec 5 T15S R3E)

Ground Level: 410

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
316			

Well Index Identification: IL78
 Name: Sergeant/D. Goines #1
 County: Massac
 Location: 37.2374, -88.9091 (NE NE SE sec 6 T15S R3E)
 Ground Level: 420
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
300			

Well Index Identification: IL80
 Name: Richey/#1 J. McCuan
 County: Massac
 Location: 37.2312, -88.9032 (NE SE NW sec 8 T15S R3E)
 Ground Level: 390
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
239			

Well Index Identification: IL81
 Name: L. Western/#1 Joppa, Illinois Compressor Station #7
 County: Massac
 Location: 37.2210, -88.8697 (SW SE sec 10 T15S R3E)
 Ground Level: 365
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
247			

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Well Index Identification: IL83
 Name: L. Western/#4 Electric Energy Inc.
 County: Massac
 Location: 37.2150, -88.8466 (NW SW SW sec 14 T15S R3E)
 Ground Level: 350
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:
 Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
175			

Well Index Identification: IL89
 Name: L. Western/#1 Electric Energy Inc.
 County: Massac
 Location: 37.2111, -88.8660 (SE NE SE sec 15 T15S R3E)
 Ground Level: 350
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:
 Drill-Hole Type:Paleozoic Surface Data:

Depth	Formation	Age	Lithology
216			

Well Index Identification: IL90
 Name: L. Western/#1A Missouri Portland Cement Co.
 County: Massac
 Location: 37.2140, -88.8778 (NW SW sec 15 T15S R3E)
 Ground Level: 320
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:
 Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
219			

Well Index Identification: IL93
 Name: Smith Cunningham/#1 Joppa Colored School
 County: Massac
 Location: 37.2067, -88.8488 (NE NE NW sec 23 T15S R3E)
 Ground Level: 355
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:
 Drill-Hole Type:

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Paleozoic Surface Data:
 Depth Formation Age Lithology
 210

Well Index Identification: IL94
 Name: Linker/#2 Ft. Massac Water District
 County: Massac
 Location: 37.1966, -88.8229 (NE NE SE sec 24 T15S R3E)
 Ground Level: 370
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:
 Depth Formation Age Lithology
 185

Well Index Identification: IL95
 Name: Richey/#1 J. Baird
 County: Massac
 Location: 37.2376, -88.7416 (NW SE SE sec 2 T15S R4W)
 Ground Level: 400
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:
 Depth Formation Age Lithology
 257

Well Index Identification: IL97
 Name: Richey/#1 J. Sweney
 County: Massac
 Location: 37.2195, -88.7238 (SE SW SW sec 12 T15S R4E)
 Ground Level: 430
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:
 Depth Formation Age Lithology
 270

Well Index Identification: IL98
 Name: Richey/J.L. Brenningmeyer
 County: Massac
 Location: 37.2165, -88.7430 (NW SE SW sec 14 T15S R4E)
 Ground Level: 390
 Total Depth:

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
239			

Well Index Identification: IL100
 Name: Searles/R. Sullivan
 County: Massac
 Location: 37.1991, -88.7856 (NW SE NE sec 20 T15S R4E)
 Ground Level: 400

Total Depth:

Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
173			

Well Index Identification: IL101
 Name: Hepp/#1-A AEP Service Corp.
 County: Massac

Location: 37.1744, -88.7702 (SW NE SW sec 28 T15S R4E)
 Ground Level: 365
 Total Depth:

Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
90			

Well Index Identification: IL103
 Name: Hepp/#2 AEP Service Corp.
 County: Massac
 Location: 37.1112, -89.3701 (NW SE sec 28 T15S R4E)
 Ground Level: 350

Total Depth:

Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
62			

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Well Index Identification: IL108

Name: Richey/#1 W. Hook

County: Massac

Location: 37.2425, -88.6353 (NE NE SW NW sec 2 T15S R5E)

Ground Level: 540

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
354			

Well Index Identification: IL109

Name: Geer/M. Brockman

County: Massac

Location: 37.2459, -88.6525 (NW NW NW sec 3 T15S R5E)

Ground Level: 525

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
315			

Well Index Identification: IL110

Name: Richey/#1 T. Logeman

County: Massac

Location: 37.2384, -88.6631 (NW SW SW sec 5 T15S R5E)

Ground Level: 390

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
318			

Well Index Identification: IL113

Name: Richey/#1 W. Bermer

County: Massac

Location: 37.2208, -88.6589 (SE SE SE sec 9 T15S R5E)

Ground Level: 420

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
272			

Well Index Identification: IL114

Name: Richey/#1 W. Meddagh

County: Massac

Location: 37.2030, -88.6984 (SE SW SE sec 18 T15S R5E)

Ground Level: 410

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
150			

Well Index Identification: IL115

Name: Sergeant/#1 I.L. Covgill

County: Massac

Location: 37.1946, -88.6922 (NE NW SW sec 20 T15S R5E)

Ground Level: 425

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
195			

Well Index Identification: IL116

Name: Metropolis National/#5 St. Johns E&R Church

County: Massac

Location: 37.1768, -88.6482 (SW SE sec 27 T15S R5E)

Ground Level: 385

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
212			

Well Index Identification: IL118

Name: Henners/#1 F. Moller

County: Massac

Location: 37.1655, -88.6353 (NW NW SW sec 35 T15S R5E)

Ground Level: 360

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
167			

Well Index Identification: IL119
 Name: Richey/#1 R. Brewer
 County: Massac
 Location: 37.2280, -88.5926 (NE NE SE sec 7 T15S R6E)
 Ground Level: 550

Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
300			

Well Index Identification: IL120
 Name: Sergeant/#1 C. Geitman
 County: Massac
 Location: 37.2210, -88.5671 (SE SE SE sec 8 T15S R6E)

Ground Level: 410
 Total Depth:
 Completion Date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:Paleozoic Surface Data:

Depth	Formation	Age	Lithology
370			

Well Index Identification: IL121
 Name: Jennings/L. Faugh
 County: Massac
 Location: 37.1959, -88.5865 (NE NE NE sec 19 T15S R6E)
 Ground Level: 450

Total Depth:
 Completion date: N.D.
 Data Source(s): Kolata and others, 1981
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
305			

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Well Index Identification: IL122

Name: Wittig/L. Webb

County: Massac

Location: 37.1622, -88.5813 (SW SW NW sec 32 T15S R6E)

Ground Level: 390

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type: Lith.:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
320			

Well Index Identification: IL124

Name: Thorne/Metropolis City Well

County: Massac

Location: 37.1435, -88.7304 (sec 11 T16S R4E)

Ground Level: 320

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
33			

Well Index Identification: IL126

Name: Sergent/#1 S. Taylor

County: Massac

Location: 37.1499, -88.6237 (SE SE N sec 1 T16S R5E)

Ground Level: 360

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
205			

Well Index Identification: IL127

Name: Marshall/#1 H. McGhee

County: Massac

Location: 37.1540, -88.6446 (NE NE NE sec 3 T16S R5E)

Ground Level: 350

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
166			

Well Index Identification: IL128

Name: Fondaw/C. Hoyer

County: Massac

Location: 37.1461, -88.4917 (NE SE SE sec 1 T16S R6E)

Ground Level: 450

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
386			

Well Index Identification: IL129

Name: T V A/#L-A Paducah Dam Site

County: Massac

Location: 37.1264, -88.5417 (NW SW NW sec 15 T16S R6E)

Ground Level: 380

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
251			

Well Index Identification: IL131

Name: Fondaw/R. Summons

County: Massac

Location: 37.1227, -88.5677 (SE SE NE sec 17 T16S R6E)

Ground Level: 345

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
183			

Well Index Identification: IL132

Name: T V A/#L-4 Paducah Dam Site

County: Massac

Location: 37.1039, -88.5399 (NW SE NW sec 22 T16S R6E)

Ground Level: 325

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
134			

Well Index Identification: IL136

Name: T V A/#L-12 Paducah Dam Site

County: Massac

Location: 37.0781, -88.5306 (NW SW NE sec 34 T16S R6E)

Ground Level: 320

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
153			

Well Index Identification: IL137

Name: Haverstick/C.C.C. Camp Hamberg

County: Pope

Location: 37.2932, -88.6271 (NW NW SE sec 14 T14S R5E)

Ground Level: 525

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
496			

Well Index Identification: IL138

Name: Edleman/#6 Compton Mine

County: Pope

Location: 37.2670, -88.5199 (SE NW SW sec 26 T14S R6E)

Ground Level: 375

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
308			

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Well Index Identification: IL139

Name: Jennings/#1 R. Worten

County: Pope

Location: 37.2610, -88.5847 (SW SW SW sec 29 T14S R6E)

Ground Level: 525

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
557			

Well Index Identification: IL140

Name: Sergeant/#1 A Owens

County: Pope

Location: 37.2441, -88.4915 (SW NE NE sec 1 T15S R6E)

Ground Level: 470

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
435			

Well Index Identification: IL141

Name: Gwin/#1 V. Pederson

County: Pope

Location: 37.2241, -88.4816 (NE SE NW sec 7 T15S R7E)

Ground Level: 370

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
406			

Well Index Identification: IL142

Name: Jennings/#1 T.W. Harris

County: Pope

Location: 37.1582, -88.4638 (SE SE SW sec 32 T15S R7E)

Ground Level: 400

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
400			

Well Index Identification: IL143

Name: Fitch Brothers/#1 J.H. Lewis

County: Pope

Location: 37.1703, -88.4520 (NE NE NE sec 32 T15S R7E)

Ground Level: 400

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
319			

Well Index Identification: IL144

Name: Jennings/#1 Bryant Estate

County: Pope

Location: 37.1602, -88.4418 (NE SE SW sec 33 T15S R7E)

Ground Level: 340

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
330			

Well Index Identification: IL147

Name: T V A/#L-2 U. Smithland Dam Site

County: Pope

Location: 37.1408, -88.4263 (SE SW sec 3 T16S R7E)

Ground Level: 320

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:Paleozoic Surface Data:

Depth	Formation	Age	Lithology
253			

Well Index Identification: IL148

Name: Rigney & Dodson Oil Co./#1 J. Lewis Test

County: Pope

Location: 37.1239, -88.4811 (SW SW NE sec 18 T16S R7E)

Ground Level: 345

Total Depth: -3755 (Ordovician, Platteville)

Completion Date: 1963?

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Data Source(s): Ross, 1964

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
193	St. Louis	Mississippian	limestone
128	Salem	Mississippian	limestone
-395	Narrodsburg	Mississippian	limestone
-487	Ft. Payne	Mississippian	chert
-1153	Springville	Mississippian	shale
-1191	Chouteau	Mississippian	limestone
-1195	New Albany	Devonian	shale
-1481	Lingle	Devonian	limestone
-1495	Grand Tower	Devonian	limestone
-1545	Clear Creek	Devonian	dolomite
-2205	Blackbone	Devonian	limestone
-2225	Bailey	Devonian	limestone
-2775	Moccasin Springs	Silurian	limestone
-2963	St. Clear	Ordovician	limestone
-3023	Sexton Creek	Ordovician	limestone
-3105	Maquoketa	Ordovician	shale
-3421	Galena Limestone Group	Ordovician	limestone
-3487	Platteville Limestone Group	Ordovician	limestone

Well Index Identification: IL149

Name: T V A/#L-A L. Smithland Dam Site

County: Pope

Location: 37.1263, -88.4450 (NW NE NW sec 16 T16S R7E)

Ground Level: 360

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
317			

Well Index Identification: IL152

Name: T V A/#L-3A L. Smithland Dam Site

County: Pope

Location: 37.1143, -88.4394 (NW NE SE sec 16 T16S R7E)

Ground Level: 330

Total Depth:

Completion Date: N.D.

Data Source(s): Kolata and others, 1981

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
221			

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Well Index Identification: IL153
 Name: Texas Pacific Oil Co./#1-B Farley
 County: Johnson
 Location: 37.3434, -88.8644 (SE NE SE sec 34 T13S R3E)
 Ground Level: 580
 Total Depth: -13704 (Cambrian, pre-Mt. Simon)
 Completion Date: N.D.
 Data Source(s): Kolata, p.c.
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
580		Mississippian	
-1560	New Albany	Mississippian	
-1771	Clear Creek	Mississippian	chert
-2520	Blackbone	Mississippian	limestone
-2540	Grassey Knob	Mississippian	chert
-2740	Bailey	Mississippian	limestone
-3091	Moccasin Springs	Silurian	
-3272	St. Clear	Silurian	limestone
-3375	Sexton Creek	Silurian	limestone
-3427	Mequoketa	Ordovician	shale
-3664	Trenton Group	Ordovician	
-3756	Platteville Group	Ordovician	
-4338	Joachim	Ordovician	
-4640	Dutchtown	Ordovician	
-4933	St. Peter	Ordovician	
-5008	Everton	Ordovician	
-7880	Roubidoux	Ordovician	
-8570	Oneota	Ordovician	
-8850	Eminence	Upper Cambrian	
-9850	Potosi	Upper Cambrian	
-10400	Elvins Group	Upper Cambrian	
-11850	Bonnerterre	Upper Cambrian	limestone
-13000	pre-Mt. Simon	Upper Cambrian	olivine ss
-13650	Mermet	Upper Cambrian	sandstone

Well Index Identification: IL154
 Name: Humble Oil Co./#1 Pickell
 County: Union
 Location: 37.3681, -89.3365 (sec 21 T13S R2W)
 Ground Level: 450
 Total Depth: -8042 (Cambrian, Mermet)
 Completion Date: N.D.
 Data Source(s): Schwalb, 1982
 Remarks:
 Drill-Hole Type: O&G

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
450	Mequoketa	Ordovician	shale
200	Trenton Group	Ordovician	
-1150	Platteville Group	Ordovician	
-1250	St. Peter	Ordovician	
-1500	Everton	Ordovician	
-4450	Shakopee	Ordovician	
-4950	Oneota	Ordovician	
	Eminence	Upper Cambrian	
-5750	Potosi	Upper Cambrian	
-6700	Elvins Group	Upper Cambrian	
-7400	Bonnerterre	Upper Cambrian	
-7750	Mt. Simon	Upper Cambrian	
-7950	Mermet	Upper Cambrian	sandstone

Well Index Identification: IL155

Name: Cairo Electric Light and Power Co./#1 Well

County: Alexander

Location: 36.9856, -89.1598 (sec 13? T27N R17E)

Ground Level: 313

Total Depth: -727

Completion Date: 1897

Data Source(s): Grohskopf, 1955

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-392			

Well Index Identification: IL156

Name: Texaco/#1 Cuppy

County: Hamilton Co.

Location: 38.0219, -88.4701 (NE SE SW sec 6 T6S R7E)

Ground Level: 450?

Total Depth: -12620 (Precambrian)

Completion Date: N.D.

Data Source(s): Sargent, p.c., 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+375			
-12620		Precambrian	

Well Index Identification: IL157

Name: C.E. Brehm/#1 Harris

County: Willimson

Location: 37.8037, -88.8203 (NE SE sec 25 T8S R3E)

Ground Level: 532

Total Depth: -7968 (Ordovician, Knox Group)

Completion Date: 4/17/72

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

Data Source(s): Sargent, p.c., 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+502?	Modesto?	Pennsylvanian	
+262	Haron Cole	Pennsylvanian	
+5	Carbondale	Pennsylvanian	
-930	Kinkaid	Mississippian	
-1042	Degonia	Mississippian	
-1086	Clore	Mississippian	
-1184	Palestine	Mississippian	
-1262	Menard	Mississippian	
-1375	Waltersburg	Mississippian	
-1427	Vienna	Mississippian	
-1431	Tar Springs	Mississippian	
-1503	Glen Dean	Mississippian	
-1570	Hardingsburg	Mississippian	
-1648	Haney	Mississippian	
-1701	Fraileys-Big City	Mississippian	
-1772	Beech Creek	Mississippian	
-1779	Cypress	Mississippian	
-1864	Ridenhower	Mississippian	
-1920	Bethel	Mississippian	
-1965	Downeys Bluff	Mississippian	
-1981	Yankeetown	Mississippian	
-2027	Renault	Mississippian	
-2037	Aux Vases	Mississippian	
-2103	Ste. Genevieve	Mississippian	
-2346	St. Louis	Mississippian	
-2690	Salem	Mississippian	
-3088	Ullin	Mississippian	
-3578	Ft. Payne	Mississippian	
-3773	Springville	Mississippian	
-3821	Chouteau	Mississippian	
-3824	New Albany	Upper Devonian	
-3979	Lingle	Middle Devonian	
-4070	Grand Tower	Middle Devonian	
-4196	Clear Creek	Lower Devonian	
-4498	Blackbone	Lower Devonian	
-4600	Grassy Knob	Lower Devonian	
-4788	Flat Gap	Lower Devonian	
-4828	Bailey	Lower Devonian	
-5346	Moccasin Springs	Silurian	
-5568	St. Clair-Joliet	Silurian	
-5646	Sexton Creek	Silurian	
-5724	Maquoketa	Ordovician	
-5915	Galena	Ordovician	
-6078	Platteville	Ordovician	
-6606	Joachim	Ordovician	
-6794	Dutchtown	Ordovician	
-6988	St. Peter	Ordovician	

TABLE 3A.--Mississippi Embayment drill holes to the Paleozoic surface located in Illinois--Continued

-7298	Everton	Ordovician
-7562	Unit "A"	Ordovician
-7856	Knox Group-Shakopee	Ordovician
	Estimated but not drilled	
-10206?	Oneota	Ordovician
-13771?	Mt. Simon	Cambrian
-14571?		Precambrian

Well Index Identification: IL158

Name: Little Egypt/#1 Basler

County: Union

Location: 37.5164, -89.1817 (SE SE SE sec 35 T11S R1W)

Ground Level: 482

Total Depth: -4053 (Ordovician, Plattville)

Completion Date: 1943

Data Source(s): Sargent, p.c., 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+447	Tar Springs	Mississippian	
+382	Glen Dean	Mississippian	
+358	Hardinsburg	Mississippian	
+273	Haney	Mississippian	
+212	Fraileys-Big City	Mississippian	
+187	Beech Creek	Mississippian	
+177	Cypress	Mississippian	
-14	Ridenhower	Mississippian	
-53	Bethel	Mississippian	
-63	Downeys Bluff	Mississippian	
-106	Yankeetown	Mississippian	
-119	Renault	Mississippian	
-159	Aux Vases	Mississippian	
-264	Ste. Genevieve	Mississippian	
-548	St. Louis	Mississippian	
-877	Salem	Mississippian	
-1094	Ullin	Mississippian	
-1517	Ft. Payne	Mississippian	
-1734	Springville	Mississippian	
-1787	New Albany	Upper Devonian	
-1841	Lingle	Middle Devonian	
-1895	Grand Tower	Middle Devonian	
-1953	Clear Creek	Lower Devonian	
-2362	Blackbone	Lower Devonian	
-2398	Grassy Knob	Lower Devonian	
-2648	Bailey	Lower Devonian	
-3044	Moccasin Springs	Silurian	
-3224	St. Clair-Joliet	Silurian	
-3263	Sexton Creek	Silurian	
-3326	Maquoketa	Ordovician	
-3518	Galena	Ordovician	
-3571	Platteville	Ordovician	

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky

[All personal communications references (p.c.) are dated 1988 unless otherwise stated]

Well Index Identification: KY1

Name: Roney, Mitchell & Bruer/#1 Bundurat Station (MGS log # 2666)

County: Fulton

Location: 36.5208, -89.3238 (sec 16 A 3)

Ground Level: 285

Total Depth: -2895 (Ordovician, Gasconade)

Completion Date: 12/21

Data Source(s): Glick, p.c.; Schwalb, 1969a and b; Grohskopf, 1955; State records. KGS (Nutall, 1991)

Remarks: Schwalb (1969a) describes geology, top of Knox is eroded (Schwalb, 1969b).

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-1700	Knox Group (Eminence-Potosi?)	Cambrian	

Well Index Identification: KY2

Name: Mt. Carmel Drilling Co./#1 F. Smith

County: Fulton

Location: 36.5316, -89.3374 (sec 20 A 2)

Ground Level: 289

Total Depth: -2873 (Ordovician, Gasconade)

Completion Date: 12/61

Data Source(s): Schwalb, 1969a and b; KGS (Nutall, 1989 and 1991)

Remarks: Top of Knox is eroded (Schwalb, 1969b).

Drill-Hole Type: O&G

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-1666	Jefferson City	Ordovician	
-2228	Roubidoux	Ordovician	
-2830	Gasconade	Ordovician	

Well Index Identification: KY4

Name: Ken-Ten Oil Exploration/#1 R. & C. Sanger (MGS log # 24000)

County: Fulton

Location: 36.5478, -89.2818 (sec 12 A 3)

Ground Level: 295

Total Depth: -3715 (Ordovician, Gasconade)

Completion Date: 5/20/65

Data Source(s): Schwalb, 1969a and b; KGS (Nutall, 1991)

Remarks: Schwalb (1969a) describes geology, top of Knox is eroded (Schwalb, 1969b).

Drill-Hole Type: O&G

Paleozoic Surface Data (Schwalb, 1969a):

Depth	Formation	Age	Lithology
-1612	Cotter-Powell	Ordovician	dolomite
-2600	Jefferson City	Ordovician	limestone
-3100	Roubidoux	Ordovician	ss-ls-dolo
-3615	Gasconade	Ordovician	ls-dolo

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Well Index Identification: KY5
 Name: G.H. Froderman Petroleum Co./#1 E. Cook
 County: Fulton
 Location: 36.5455, -88.8886 (sec 14 A 8)
 Ground Level: 431
 Total Depth: -1299 (Lower Ordovician, Everton?)
 Completion Date: 7/23/47
 Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)
 Remarks:
 Drill-Hole Type: O&G
 Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-1250	Trenton Group	Ordovician	limestone

Well Index Identification: KY8
 Name: City of Wickliffe well
 County: Ballard
 Location: 36.9792, -89.0888 (sec 11 F 5)
 Ground Level: 323
 Total Depth: -647 (Ordovician)
 Completion Date: N.D.
 Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)
 Remarks:
 Drill-Hole Type: MW
 Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-677			Flinty lm

Well Index Identification: KY10
 Name: Illinois Central Railroad/#1 Illinois Central Railroad
 County: Ballard
 Location: 37.0704, -88.9747 (sec 4 G 7)
 Ground Level: 380
 Total Depth: -178 (Devonian)
 Completion Date: N.D.
 Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)
 Remarks: Schwalb describes geology.
 Drill-Hole Type:
 Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-7	Grand Tower?	Devonian	

Well Index Identification: KY11
 Name: Robinson & Puckett/#1 Clark Heirs
 County: Ballard
 Location: 37.0844, -89.1160 (sec 22 H 5)
 Ground Level: 317
 Total Depth: -3098
 Completion Date: 3-24-43
 Data Source(s): Schwalb, 1969a and b; KGS (Nutall, 1991)
 Remarks: Schwalb has top of Knox at -2769 (1969b).

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Drill-Hole Type:

Paleozoic Surface Data (Schwalb, 1969a):

Depth	Formation	Age	Lithology
-23	Clear Creek	Devonian	
-513?	Bailey	Devonian	
-813	Decatur?	Silurian	
-893	Brownsport	Silurian	
-991	Dixon	Silurian	
-1019	Lego	Silurian	
-1095	Waldron	Silurian	
-1099	Laurel	Silurian	
-1169	Osgood	Silurian	
	Brassfield	Silurian	
-1245	Maquoketa	Ordovician	
-1363	Kimmswick	Ordovician	
-1473	Decorah	Ordovician	
-1478	Plattin	Ordovician	
-1918	Pecatonica	Ordovician	
-2053	Joachim	Ordovician	
-2503	Dutchtown	Ordovician	
-2683	St Peter	Ordovician	
-2769	Everton	Ordovician	

Well Index Identification: KY12

Name: Jouett Ross Todd and others/#1 Rudd

County: Ballard

Location: 37.2030, -88.9476 (sec 12 I 7)

Ground Level: 367

Total Depth: -1073 (Devonian, Bailey)

Completion Date: 7-27-40

Data Source(s): Freeman, 1950; Schwalb, 1969a; KGS (Nutall, 1991)

Remarks: Freeman and Schwalb describe geology. KGS has top of New Albany Shale at -255 ft with a thickness of 256 ft.

Drill-Hole Type:

Paleozoic Surface Data (Freeman):

Depth	Formation	Age	Lithology
-152	Ft. Payne	Mississippian	cherty ls
-255	Springville	Mississippian	shale
-306	Chattanooga	Mississippian	shale
-508	Jeffersonville	Middle Devonian	ls-ss
-571	Clear Creek-Grassy Knob- Bailey	Lower Devonian	ls-dolo

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-153		Mississippian	limestone
-255	New Albany	Upper Devonian	limestone
-511		Upper Devonian	shale
-545	Dutch Creek	Upper Devonian	limestone
-565	Clear Creek	Upper Devonian	limestone
-853	Bailey	Upper Devonian	hard ls

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Well Index Identification: KY13
 Name: Calloway Oil & Development Co./#1 Kays & Culpepper
 County: Calloway
 Location: 36.5737, -88.2155 (sec 3 A 16)
 Ground Level: 495
 Total Depth: -72 (Devonian)
 Completion Date: 12/22
 Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)
 Remarks: Schwalb describes geology.
 Drill-Hole Type: O&G
 Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
135	Grand Tower?	Devonian	chert

Well Index Identification: KY14
 Name: Calloway Oil & Development Co./#1 W. McCuiston
 County: Calloway
 Location: 36.5616, -88.1680 (sec 10 A 16)
 Ground Level: 390
 Total Depth: -477 (Devonian)
 Completion Date: 12/23
 Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)
 Remarks: Schwalb describes geology.
 Drill-Hole Type: O&G
 Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
240	New Albany	Devonian	shale
13	Grand Tower	Devonian	limestone
-84?	Dutch Creek	Devonian	sandstone
-127	Clear Creek	Devonian	sandstone

Well Index Identification: KY15
 Name: Loma Corp./#1 H.B. Ellis
 County: Calloway
 Location: 36.5646, -88.1632 (sec 6 A 17)
 Ground Level: 380
 Total Depth: -688 (Devonian, Bailey?)
 Completion Date: 12/60
 Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)
 Remarks: Schwalb notes faulting. KGS gives the top of the New Albany Shale at +60 ft with a thickness of 101 ft.
 Drill-Hole Type:

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
203	Ft. Payne	Mississippian	
108	Springville	Mississippian	
52	Chattanooga	Mississippian	
-35	Jeffersonville	Middle Devonian	
-62	Clear Creek	Middle Devonian	
-432	-fault-		
-452	Brassfield	Silurian	
-480	-fault-		
-490	Black River Group	Ordovician	

Well Index Identification: KY16

Name: South Central Petroleum Corp./#1 P.J. Cherry

County: Calloway

Location: 36.6490, -88.3729 (sec 8 B 14)

Ground Level: 583

Total Depth: -5027 (Ordovician, Gasconade)

Completion Date: 12-23-57

Data Source(s): Schwalb, 1969a and b: KGS (Nutall, 1991)

Remarks: Schwalb (1969a) describes geology, top of Knox at -2107 (Schwalb, 1969b). KGS gives the Formation at TD as Cambrian, Copper Ridge Dolomite.

Drill-Hole Type: O&G

Paleozoic Surface Data (Schwalba):

Depth	Formation	Age	Lithology
-117	Bailey	Devonian	chert
-316	Brownsport	Silurian	dolomite
-367	Dixon	Silurian	dolomite
-445	Lego	Silurian	limestone
-515	Waldron	Silurian	limestone
-518	Laurel	Silurian	limestone
-582	Osgood	Silurian	limestone
-607	Brassfield	Silurian	limestone
-637	Maquoketa	Ordovician	shale
-721	Kimmswick	Ordovician	shale-ls
-917	Plattin	Ordovician	limestone
-1357	Pecatonica	Ordovician	limestone
-1465	Joachim	Ordovician	limestone
-1792?	Dutchtown	Ordovician	dolomite
-2107	Everton	Ordovician	dolomite
-2407	Upper Canadian Series	Ordovician	dolomite
-4377	Roubidoux	Ordovician	dolomite
-4817	Gasconade	Ordovician	

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Paleozoic Surface Data (KGS):

Depth	Formation	Age	Lithology
-107	Clear Creek	Lower Devonian	chert
-237	Bailey	Lower Devonian	dolomite
-387	Moccasin Springs	Silurian	ls & sh
-447	St. Clair	Silurian	limestone
-607	Sexton Creek	Silurian	ls & chert
-633	Mequoketa	Upper Ordovician	sh & ls
-917	Plattin	Middle Ordovician	limestone
-1460	Joachim	Lower Ordovician	limestone
-1886	Dutchtown	Lower Ordovician	dolomite
-2103	Everton	Lower Ordovician	dolomite
-2337	Knox Group	Lower Ordovician	dolomite

Well Index Identification: KY17

Name: Davenport Oil Co./#1 J. Garrison

County: Calloway

Location: 36.6036, -88.1090 (sec 19 B 17)

Ground Level: 440

Total Depth: -240 (Devonian?, Clear Creek?)

Completion Date: 7/23

Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)

Remarks: Schwalb describes geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
440		Mississippian	chert-shale
150	New Albany	Devonian	shale
10	Grand Tower	Devonian	gravel
-180	Clear Creek	Devonian	chert

Well Index Identification: KY18

Name: Indian Camp Oil & Development/#1 T.J. Wilson (MGS log # 2421)

County: Carlisle

Location: 36.8525, -89.0916 (sec 20 E 5)

Ground Level: 480

Total Depth: -2269 (Lower Ordovician, Everton)

Completion Date: 12/75

Data Source(s): Schwalb, 1969a and b; KGS (Nutall, 1991)

Remarks: Schwalb (1969a) describes geology, notes faulting. Schwalb (1969b) has top of Knox at -2066 (1969b).

Drill-Hole Type: O&G

Paleozoic Surface Data (Schwalb, 1969a):

Depth	Formation	Age	Lithology
-830	Joachim-Dutchtown	Ordovician	chert
-1285	St. Peter	Ordovician	sandstone
-1305	Everton , -fault-	Ordovician	sandstone
	Joachim-Dutchtown	Ordovician	chert
-2022	St. Peter	Ordovician	sandstone
-2066	Everton	Ordovician	sandstone

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Well Index Identification: KY19
 Name: Dr. B.F. McCleaver/#1 A. Summers
 County: Carlisle
 Location: 36.9052, -88.8843 (sec 4 E 8)
 Ground Level: 410
 Total Depth: -2638
 Completion Date: 1966?
 Data Source(s): Schwalb, 1969a
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-408	Grassy Knob-Bailey	Devonian	
-680	Decatur?	Silurian	
-775	Brownsport	Silurian	
-854	Louisville	Silurian	
-978	Waldron	Silurian	
-980	Laurel	Silurian	
-1030	Osgood	Silurian	
-1055	Brassfield	Silurian	
-1085	Maquoketa	Ordovician	
-1285	Kimmswick	Ordovician	
-2600?	St. Peter	Ordovician	

Well Index Identification: KY20
 Name: H. Riddle and others/#1 E. Adair
 County: Graves
 Location: 36.6866, -88.5007 (sec 20 C 12)
 Ground Level: 543
 Total Depth: -2267 (Ordovician, Everton)
 Completion Date: 5/20/41

Data Source(s): Freeman, 1950; Schwalb, 1969a and b; KGS (Nutall, 1991)

Remarks: Freeman and Schwalb (1969a) describe geology. Schwalb (1969b) has top of Knox at -2167. KGS gives the top of Highbridge Group at -1087 ft and the top of the Wells Creek dolomite at -1957 ft.

Drill-Hole Type:

Paleozoic Surface Data (Freeman):

Depth	Formation	Age	Lithology
-417	Bailey	Lower Devonian	ss-ls
-467	Bainbridge	Silurian	limestone
-767	Maquoketa-Thebes	Ordovician	sh-ls
-892	Trenton	Ordovician	limestone
-1082	Black River-Stones River Gp.	Ordovician	limestone
-1957	Everton	Ordovician	dolomite

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Paleozoic Surface Data (Schwalb, 1969a):

Depth	Formation	Age	Lithology
-412	Bailey	Devonian	sandstone
-527	Brownsport	Silurian	limestone
-617	Louisville (Bainbridge)	Silurian	red rock
-757	Brassfield	Silurian	limestone
-767	Maquoketa	Ordovician	shale
-882	Kimmswick	Ordovician	limestone
-1087	Plattin	Ordovician	limestone
-1567?	Joachim	Ordovician	hard ls
-1957	Dutchtown	Ordovician	limestone
-2167	Everton	Ordovician	

Well Index Identification: KY21

Name: Perry Faulk/#1 C.B. Hayden

County: Graves

Location: 36.7826, -88.8072 (sec 17 D 9)

Ground Level: 482

Total Depth: -2553 (Ordovician, Knox Group)

Completion Date: 9/68

Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-823	Plattin	Ordovician	
-1274	Pecatonica	Ordovician	
-1370	Joachim	Ordovician	
-1693	Dutchtown	Ordovician	
-2118	Everton-Knox Group	Ordovician	

Well Index Identification: KY23

Name: P.M. Barton/#1 J.E. Wilson

County: Graves

Location: 36.9174, -88.6815 (sec 21 F 10)

Ground Level: 412

Total Depth: -2068 (Lower Ordovician, Decorah-Plattin)

Completion Date: 2/50

Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-238	Clear Creek-Grassy Knob	Devonian	
-770	Bailey	Devonian	
-1030	Bainbridge	Silurian	
-1143	Sexton Creek	Silurian	
-1170	Edgewood	Silurian	
-1188	Maquoketa	Ordovician	
-1573	Decorah-Plattin	Ordovician	

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Well Index Identification: KY24
 Name: Burger Oil Interests/#1 G.H. Gentry
 County: McCracken
 Location: 36.9800, -88.5000 (sec 2 F 12)
 Ground Level: 412
 Total Depth: -1498 (Silurian, Brownsport)
 Completion Date: 8/2/50
 Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
7		Mississippian	
-638	Clear Creek	Devonian	
-738	Little Saline	Devonian	
-938	Grassy Knob-Bailey	Devonian	
-1368	Brownsport	Silurian	

Well Index Identification: KY25
 Name: John Seip and others/#1 Sheppard
 County: McCracken
 Location: 36.9843, -88.5197 (sec 2 F 12)
 Ground Level: 412
 Total Depth: -1601 (Upper Ordovician)
 Completion Date: 4/15/40
 Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)
 Remarks: Schwalb describes geology.

Drill-Hole Type:
 Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-283		Mississippian?	black shale
-503		Devonian	limestone

Well Index Identification: KY28
 Name: C.C. White/#1 W.B. Jackson
 County: McCracken
 Location: 37.0338, -88.6270 (sec 13 G 11)
 Ground Level: 362
 Total Depth: -838 (Lower Devonian, Clear Creek)
 Completion Date: 1963
 Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)
 Remarks: KGS gives the top of the New Albany shale at -439 ft.

Drill-Hole Type:
 Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-48		Mississippian	
-493	New Albany	Upper Devonian	
-731	Grand Tower	Middle Devonian	

Well Index Identification: KY29
 Name: Taylor Drilling Co./#1 G. Allen
 County: McCracken

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Location: 37.0219, -88.5587 (sec 17 G 12)
 Ground Level: 345
 Total Depth: -1699 (Middle Ordovician)
 Completion Date: 8/50
 Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)
 Remarks: Schwalb describes geology. KGS gives the top of the New Albany shale at -455 ft with a thickness of 170 ft.

Drill-Hole Type: O&G

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-20		Mississippian	flint
-490	New Albany	Devonian	ls/shale

Well Index Identification: KY30

Name: M.K. Dale and others/#1 Mrs. T. Reid

County: McCracken

Location: 37.0062, -88.5315 (sec 22 G 12)

Ground Level: 409

Total Depth: -951 (Devonian, Clear Creek)

Completion Date: 12/30

Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)

Remarks: Schwalb describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-91		Mississippian	limestone
-331	New Albany	Upper Devonian	shale
-573	Grand Tower	Middle Devonian	limestone

Well Index Identification: KY31

Name: Adams Oil & Gas Co./#1 W. Adlich (MGS log # 8271)

County: Marshall

Location: 36.7598, -88.4151 (sec 25 D 14)

Ground Level: 511

Total Depth: -2671 (Ordovician, Everton)

Completion Date: 6/24/43

Data Source(s): Freeman, 1950; Schwalb, 1969a and b; KGS (Nutall, 1991)

Remarks: Freeman describes geology. Schwalb (1969b) has top of Knox at -2337. KGS gives the top of the Highbridge Group at -1241 ft and the top of the Wells Creek Dolomite at -1939 ft.

Drill-Hole Type: O&G

Paleozoic Surface Data (Freeman):

Depth	Formation	Age	Lithology
-119	Clear Creek	Lower Devonian	chert
-479	Grassy Knob-Bailey	Lower Devonian	limestone
-667	Bainbridge	Silurian	limestone
-947	Brassfield	Silurian	limestone
-957	Maquoketa-Thebes	Ordovician	sandstone
-1067	Trenton	Ordovician	sh-ls
-1241	Black River-Stones River Gp.	Ordovician	ls-dolo
-2020	Everton	Ordovician	dolo-ls-ss

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Paleozoic Surface Data (Schwalb, 1969a):

Depth	Formation	Age	Lithology
-109	Clear Creek-Bailey	Devonian	
-724	Brownsport	Silurian	
-796	Dixon	Silurian	
-929	Osgood	Silurian	
-944	Brassfield	Silurian	
-957	Maquoketa	Ordovician	
-1067	Kimmswick	Ordovician	
-1241	Plattin	Ordovician	
-1676?	Pecatonica	Ordovician	
-1754	Joachim	Ordovician	
-2091?	Everton	Ordovician	

Well Index Identification: KY32

Name: J. Kaufman and others (B. Rodgers Drilling Co.)/#1 R. Coursey

County: Marshall

Location: 36.9503, -88.3846 (sec 14 F 14)

Ground Level: 465

Total Depth: -1193 (Middle Ordovician)

Completion Date: 3/5/61

Data Source(s): Schwalb, 1969a; State records; KGS (Nutall, 1991)

Remarks: Logs from state describe geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
110		Devonian	ls-ss
-968	Bainbridge	Silurian	limestone

Well Index Identification: KY34

Name: /Paducah City well

County: McCracken

Location: 37.0768, -88.5985 (sec 1 G 11)

Ground Level: 340

Total Depth: -910 (Upper Mississippian)

Completion Date: 1888

Data Source(s): Schwalb, 1969a; KGS (Nutall, 1991)

Remarks: Schwalb describes geology.

Drill-Hole Type: MW

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
5		Mississippian	limestone

Well Index Identification: KY35

Name: Shell Oil Co./#1 M.D. Davis (MGS log # 23690, KGS record # 5369)

County: Crittenden

Location: 37.4417, -88.2273 (sec 17 L 16)

Ground Level: 373

Total Depth: -8438 (Cambrian, Potosi)

Completion Date: 1/19/56

Data Source(s): Sargent, 1991; MGS log records; KGS (Nutall, p.c., 1991)

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Remarks: KGS puts TD in the Knox Group. The Paleozoic top pick is inferred to be the approximate depth to bedrock.

Drill-Hole Type: O&G

Paleozoic Surface Data (Sargent):

Depth	Formation	Age	Lithology
*			
-4360	Knox Group	Ordovician?	
-8390	Potosi	Cambrian	

Paleozoic Surface Data: (MGS)

Depth	Formation	Age	Lithology
*			
-2610		Silurian	
-2950	Mequoketa	Ordovician	
-3115	Kimmswick	Ordovician	
-4235	Dutchtown-St. Peter	Ordovician	
-4425?	Everton Dolomite	Ordovician	
-7115	Roubidoux?	Ordovician	
-7225	Gasconade	Ordovician	
-8035	Eminence	Cambrian	
-8385	Potosi?	Cambrian	

Paleozoic Surface Data: (KGS)

Depth	Formation	Age	Lithology
-300?			
-607	Ft Payne	Mississippian	siltstone
-622	New Albany Shale	Upper Devonian	
-1067	Sellersburg	Middle Devonian	limestone
-1177	Jeffersonville	Middle Devonian	limestone
-1347	Clear Creek Fm (Dutch Creek)	Middle Devonian	
-1783	Grassy Knob	Lower Devonian	limestone
-2169	Bailey Fm	Lower Devonian	ls-dolo
-2614	Moccasin Springs Fm	Silurian	limestone
-2733	St. Clear	Silurian	limestone
-2802	Sexton Creek	Silurian	limestone
-2877	Mequoketa	Ordovician	shale
-3102	Kimmswick	Ordovician	limestone
-3198	Plattin	Ordovician	limestone
-3799	Joachim	Ordovician	limestone
-4064	Dutchtown	Ordovician	dolo-ls
-4248	St. Peter	Ordovician	sandstone
-4256	Everton	Ordovician	ss-dolo
-4587	Knox Group	Ordovician	dolo

Well Index Identification: KY36

Name: Exxon Minerals/#1 Duncan

County: Webster

Location: 37.5800, -87.7424 (sec 5 M 22)

Ground Level: 524

Total Depth: -14676 (Cambrian, Mt. Simon)

Completion Date: N.D.

Data Source(s): Sargent, 1991; KGS (Nuttall, 1991)

Remarks: KGS has the Formation at TD as Eau Clair.

Drill-Hole Type:

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Paleozoic Surface Data (Sargent):

Depth	Formation	Age	Lithology
-250	Bond Fm.(Millersville)	Pennsylvanian	
-450	Carbondale Fm	Pennsylvanian	
-725	Tradwater Fm	Pennsylvanian	
-1350	Caseyville Sandstone Fm.	Pennsylvanian	
-1600	Beach Creek Limestone	Mississippian	
-2600	Ste. Genevieve	Mississippian	
-2800	St. Louis Limestone	Mississippian	
-3020	Salem Limestone	Mississippian	
-3250	Ullin	Mississippian	
-3480	Ft. Payne	Mississippian	
-3850	New Albany	Upper Devonian	
-4200		Middle Devonian	
-4600		Lower Devonian	
-5300	Bailey	Lower Devonian	
-5660		Silurian	
-5810	Maquoketa	Ordovician	
-6200	Kimmswick	Ordovician	
-6250	Plattville	Ordovician	
-6730	Joachim-Dutchtown	Ordovician	
-7000	St. Peter	Ordovician	
-7100	Everton	Ordovician	
-7250	Smithville-Powell-Cotter-Jefferson City	Ordovician	
-8150	Roubidoux	Ordovician	
-8380	Oneota-Gunter	Ordovician	
-9130	Eminence	Cambrian	
-9940	Potosi	Cambrian	
-10830	Franconia	Cambrian	
-11950	Eau Clair	Cambrian	
-13820	Mt. Simon	Cambrian	

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Paleozoic Surface Data (KGS):

Depth	Formation	Age	Lithology
-3846	Ft. Payne	Mississippian	siltstone
-3886	New Albany	Upper Devonian	shale
-4200	Sellersburg	Middle Devonian	limestone
-4286	Jeffersonville	Middle Devonian	limestone
-4576	Clear Creek	Lower Devonian	limestone
-4861	Backbone	Lower Devonian	limestone
-5166	Grassy Knob	Lower Devonian	limestone
-5261	Bailey	Lower Devonian	limestone
-5662	Moccasin Spring	Silurian	limestone
-5721	Sexton Creek	Silurian	limestone
-5816	Mequoketa	Upper Ordovician	shale
-6189	Plattin	Middle Ordovicia	limestone
-6226	Joachim	Lower Ordovician	ls & dolo
-6840	Dutchtown	Lower Ordovician	ls & dolo
-6946	St. Peter	Lower Ordovician	ss & dolo
-7116	Everton	Lower Ordovician	dolo & ss
-7243	Knox Group	Lower Ordovician	dolomite
-9064	Gunter member	Lower Ordovician	ss & dolo
-9116	Lower Knox Group	Upper Cambrian	dolomite
-11956	Eau Clair	Upper Cambrian	dolo & sh

Well Index Identification: KY37

Name: Ashland Oil and Refining Co./F-1-F Camp Breckenridge Tract-3

County: Union

Location: 37.6206, -87.8265 (sec 15 N 21)

Ground Level: 481

Total Depth: -8594 (Ordovician, Roubidoux)

Completion Date: 11/28/66

Data Source(s): Schwalb, 1969b; KGS (Nutall, p.c., 1991)

Remarks: KGS has TD at -8130 ft in Copper Ridge Dolomite).

Drill-Hole Type: O&G

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
+470?			
-7638	Knox Group	Ordovician	

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Paleozoic Surface Data (KGS):

Depth	Formation	Age	Lithology
-504	Caseyville Fm	Lower Pennsylvanian	sandstone
-1199		Upper Mississippian	ss-ls
-1245	Menard	Upper Mississippian	limestone
-1339	Waltersburg Ss.	Upper Mississippian	ss-sh
-1458	Vienna	Upper Mississippian	limestone
-1468	Tar Springs	Upper Mississippian	ss-sh
-1578	Glen Dean	Upper Mississippian	limestone
-1607	Hardingsburg Ss.	Upper Mississippian	ss-slts
-1720	Golconda Gp.-Haney Ls.	Upper Mississippian	ls-ss
-1768	Big Clifty	Upper Mississippian	sandstone
-1882	Beech Creek	Upper Mississippian	limestone
-1909	Cypress	Upper Mississippian	sandstone
-2057	Renault	Upper Mississippian	limestone
-2174	Ste. Genevieve	Upper Mississippian	limestone
-2407	St. Louis Ls.	Upper Mississippian	ls-chert
-2824	Salem-Warsaw	Upper Mississippian	limestone
-3298	Ft. Payne	Lower Mississippian	ls-dolo
-3834	New Providence	Lower Mississippian	shale
-3864	New Albany	Upper Devonian	shale
-4200	Sellersburg Ls.	Middle Devonian	ls-sh
-4289	Jeffersonville	Middle Devonian	
-4574	Clear Creek Fm.	Middle Devonian	ls-chert
-4904	Grassy Knob	Lower Devonian	limestone
-5169	Bailey	Lower Devonian	ls-dolo
-5584	Moccasin Springs	Silurian	ls-sh
-5677	St. Clear	Silurian	limestone
-5752	Sexton Creek Ls.	Silurian	ls-chert
-5802	Mequoketa	Upper Ordovician	shale
-6144	Kimmswick	Middle Ordovician	limestone
-6272	Plattin	Middle Ordovician	limestone
-6730	Pecatonica	Lower Ordovician	limestone
-6799	Joachim	Lower Ordovician	dolomite
-6718	Dutchtown	Lower Ordovician	dolomite
-7092	St. Peter	Lower Ordovician	sandstone
-7178	Everton	Lower Ordovician	dolomite
-7290	Knox Group	Lower Ordovician	dolomite

Well Index Identification: KY38

Name: Pure-Ashland-Browing/#1 M.L. Walker

County: Webster

Location: 37.5917, -87.5233 (sec 22 N 24)

Ground Level: 490

Total Depth: -6686 (Ordovician, Roubidoux)

Completion Date: 3/21/49

Data Source(s): Schwalb, 1969b; KGS (Nutall, p.c., 1991)

Remarks: KGS has TD at -6196 in the Knox Group.

Drill-Hole Type: O&G

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
+500?			
-5586	Knox Group	Ordovician	

Paleozoic Surface Data (KGS):

Depth	Formation	Age	Lithology
+450		Lower Pennsylvanian	ss-sh
+108	Kinkaid	Upper Mississippian	limestone
+50	Degonia	Upper Mississippian	shale
+30	Clore Ls.	Upper Mississippian	
+20	Palestine Ss.	Upper Mississippian	shale
-75	Menard	Upper Mississippian	ls-sh
-160	Waltersburg	Upper Mississippian	shale
-220	Vienna	Upper Mississippian	limestone
-235	Tar Springs	Upper Mississippian	sandstone
-360	Glen Dean	Upper Mississippian	limestone
-405	Hardingsburg Ss.	Upper Mississippian	sandstone
-520	Golconda Gp.-Haney Ls.	Upper Mississippian	limestone
-588	Big Clifty	Upper Mississippian	limestone
-612	Beech Creek	Upper Mississippian	limestone
-630	Cypress	Upper Mississippian	sandstone
-678	Paint Creek	Upper Mississippian	limestone
-860	Renault	Upper Mississippian	limestone
-950	Ste. Genevieve	Upper Mississippian	limestone
-1210	St. Louis Ls.	Upper Mississippian	limestone
-1483	Salem-Warsaw	Upper Mississippian	limestone
-1780	Ft. Payne	Lower Mississippian	limestone
-2430	New Albany	Upper Devonian	shale
-2667	Sellersburg Ls.	Middle Devonian	ls-sh
-2727	Grand Tower	Middle Devonian	limestone
-2790	Dutch Creek Fm.	Middle Devonian	sandstone
-3360	Grassy Knob	Lower Devonian	limestone
-3450	Bailey	Lower Devonian	limestone
-3710	Moccasin Springs	Silurian	limestone
-3780	St. Clear	Silurian	limestone
-3810	Brassfield	Silurian	limestone
-3825	Mequoketa	Upper Ordovician	shale
-4250	Kimmswick	Middle Ordovician	limestone
-4270	Plattin	Middle Ordovician	limestone
-4730	Joachim	Middle Ordovician	dolomite
-4960	Dutchtown	Middle Ordovician	dolomite
-5020	St. Peter	Middle Ordovician	sandstone
-5105	Everton	Middle Ordovician	dolomite
-5270	Knox Group	Middle Ordovician	dolomite

Well Index Identification: KY39

Name: Ryan Oil Co./#5 Fee (KGS record # 2657)

County: Caldwell

Location: 37.1075, -87.6922 (sec 19 H 22)

Ground Level: 699

Total Depth: -6740 (Ordovician, Jefferson City?)

Completion Date: 7/31/64

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Data Source(s): Schwalb, 1969b; KGS (Nutall, p.c., 1991)

Remarks: KGS has TD at -6032 ft in Ordovician, Roubidoux.

Drill-Hole Type: O&G

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
+500?			
-5878	Knox Group	Ordovician	

Paleozoic Surface Data (KGS):

Depth	Formation	Age	Lithology
-2398	New Albany Shale(top)	Upper Devonian	
-2564	New Albany Shale(base)		

Well Index Identification: KY40

Name: Ada Belle Oil Co./#2A Hillman Land

County: Trigg

Location: 36.7706, -88.0669 (sec 16 D 18)

Ground Level: 597

Total Depth: -3656 (Ordovician, Powell?)

Completion Date: 12/31/36

Data Source(s): Schwalb, 1969b; KGS (Nutall, p.c., 1991)

Remarks: KGS has TD at -3353 ft in the Knox Group.

Drill-Hole Type:

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
+550			
-3295	Knox Group	Ordovician	

Paleozoic Surface Data (KGS):

Depth	Formation	Age	Lithology
-1637	Highbridge Group	Ordovician	

Well Index Identification: KY41

Name: J. Page and others/#1 Clarch Hairs

County: Ballard

Location: 37.0844, -89.1160 (sec 22 H 5)

Ground Level: 317

Total Depth: -3098 (Lower Ordovician, Canadian)

Completion Date: 10/14/49

Data Source(s): KGS (Nutall, p.c.), 1991

Remarks:

Drill-Hole Type:

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-23	Grassy Knob	Lower Devonian	chert
-533	Bailey	Lower Devonian	ls & dolo
-809	Moccasin Springs	Silurian	ls & sh
-993	St. Clear	Silurian	limestone
-1097	Sexton Creek	Silurian	limestone
-1173	Mequoketa	Upper Ordovician	sh & ss
-1263	Kimmswick	Middle Ordovician	limestone
-1468	Plattin	Middle Ordovician	limestone
-2353	Joachim	Lower Ordovician	dolomite
-2503	Dutchtown	Lower Ordovician	ls & sh
-2703	St. Peter	Lower Ordovician	ss & dolo
-2768	Everton	Lower Ordovician	sandstone

Well Index Identification: KY42

Name: N. Shiarella/#1 K. Letterman

County: Calloway

Location: 36.5580, -88.1774 (sec 10 A 16)

Ground Level: 460

Total Depth: -493 (Devonian)

Completion Date: 8/23/79

Data Source(s): KGS (Nutall, p.c., 1991)

Remarks: KGS has the top of the New Albany Shale at +104 ft with a thickness of 63 ft

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY43

Name: Tennessee Valley Authority/P45 Shannon Steam Plant

County: Calloway

Location: 36.5178, -88.0553 (sec 17 A 18)

Ground Level: 389

Total Depth: -89 (Middle Devonian)

Completion Date: 3/31/56

Data Source(s): KGS (Nutall, p.c., 1991)

Remarks: KGS has the top of the New Albany Shale at -13 ft with a thickness of 74 ft.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY44

Name: Purchase Embayment/#1 R. Terry

County: Carlisle

Location: 36.8090, -89.0875 (sec 10 D 5)

Ground Level: 350

Total Depth: -1998 (Ordovician?, Knox Group)

Completion Data: 2/4/74

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Data Source(s): KGS (Nutall, p.c.)

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY45

Name: Purchase Embayment/#2 R. Terry

County: Carlisle

Location: 36.8060, -89.0837 (sec 10 D 5)

Ground Level: 350

Total Depth: -850 (Ordovician, Trenton Limestone)

Completion Date: N.D.

Data Source(s): KGS (Nutall, p.c.)

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY46

Name: Sterrett Drilling/#1 T.J. Wilson

County: Carlisle

Location: 36.8522, -89.0893 (sec 20 E 5)

Ground Level: 480

Total Depth: -1067 (Ordovician, Dutchtown)

Completion Date: 12/31/60

Data Source(s): KGS (Nutall, p.c.), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY47

Name: H and D Production/#1 T.J. Wilson

County: Carlisle

Location: 36.8491, -89.0863 (sec 20 E 5)

Ground Level: 480

Total Depth: -1400 Ordovician?, Knox Group)

Completion Date: 4/22/64

Data Source(s): KGS (Nutall, p.c.), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY48

Name: M. Brown Sr./#1 A. Summers

County: Carlisle

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Location: 36.9092, -88.8995 (sec 4 E 8)
 Ground Level: 410
 Total Depth: -3342 (Ordovician, St. Peter)
 Completion Date: 5/25/71
 Data Source(s): KGS (Nutall, p.c., 1991)

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY50

Name: Tennessee Valley Authority/L7 Aurora Dam Site

County: Marshall

Location: 36.7532, -88.1304 (sec 2 C 17)

Ground Level: 342

Total Depth: +12 (Upper Devonian, New Albany)

Completion Date: 11/35

Data Source(s): KGS (Nutall, p.c.), 1991

Remarks: KGS gives the top of the New Albany Shale at +47 ft.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY51

Name: B.F. Goodrich/#1 B.F. Goodrich

County: Marshall

Location: 37.0511 -88.3846 (sec 6 G 15)

Ground Level: 350

Total Depth: -123 (Mississippian, Ft. Payne)

Completion Date: N.D.

Data Source(s): KGS (Nutall, p.c.), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY52

Name: Dixie Development/#1-A McFadden

County: McCracken

Location: 37.0813, -88.7600 (sec 1 G 9)

Ground Level: 374

Total Depth: -261 (Mississippian)

Completion Date: 3/41

Data Source(s): KGS (Nutall, p.c.), 1991

Remarks:

Drill-Hole Type:

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY53

Name: Tennessee Valley Authority/C24-50 Shawnee Steam Plant

County: McCracken

Location: 37.1205, -88.6751 (sec 10 H 10)

Ground Level: 356

Total Depth: +5 (Mississippian)

Completion Date: 12/30

Data Source(s): KGS (Nutall, p.c.), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY54

Name: R. Jones/#1 J. Kilgore

County: Calloway

Location: 36.6691, -88.2567 (sec 21 C 15)

Ground Level: 527

Total Depth: -508 (Lower Devonian)

Completion Date: 6/76

Data Source(s): KGS (Nutall, p.c.), 1991

Remarks: KGS gives the top of the New Albany Shale as +92 ft and a thickness of 30 ft.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY55

Name: Ky-Tenn Exploration/#1 J.P. Carraway

County: Calloway

Location: 36.7139, -88.1383 (sec 14 C 17)

Ground Level: 386

Total Depth: -1044 (Middle Ordovician, Plattin)

Completion Date: 8/88

Data Source(s): KGS (Nutall, p.c.), 1991

Remarks: KGS gives the top of the New Albany Shale as +68 ft and a thickness of 115 ft.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY56

Name: Wafakaree, Inc./#1 J. Grider

County: Ballard

Location: 36.9824, -88.8816 (sec 8 F 8)

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Ground Level: 471
 Total Depth: -1570 (Middle Ordovician, Highbridge Group)
 Completion Date: 6/89
 Data Source(s): KGS (Nutall, p.c.), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY57

Name: Dr. B.R. McCleave/#1 A. Summers

County: Caslisle

Location: 36.9092, -88.8995 (sec 4 E 8)

Ground Level: 410

Total Depth: -3342 (Lower Ordovician, St. Peter)

Completion Date: 10/67

Data Source(s): KGS (Nutall, p.c.), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY58

Name: Wafakaree, Inc./#1 M. Davis

County: Carlisle

Location: 36.9472, -88.8178 (sec 16 F 9)

Ground Level: 345

Total Depth: -1732 (Middle Ordovician, Trenton)

Completion Date: 12/90

Data Source(s): KGS (Nutall, p.c.), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY59

Name: B.F. Goodrich/#3 B.F. Goodrich

County: Marshall

Location: 37.0512, -88.3246 (sec 6 G 15)

Ground Level: 327

Total Depth: -133 (Mississippian, Ft. Payne)

Completion Date: N.D.

Data Source(s): KGS (Nutall, p.c.), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Well Index Identification: KY60
 Name: B.F. Goodrich/#2 B.F. Goodrich
 County: Marshall
 Location: 37.0496, -88.3265 (sec 15 G 15)
 Ground Level: 349
 Total Depth: -20 (Mississippian, Ft. Payne)
 Completion Date: N.D.
 Data Source(s): KGS (Nutall, p.c.), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY61
 Name: Dixie Development/#1 McFadden
 County: McCracken
 Location: 37.0813, -88.7595 (sec 1 G 9)
 Ground Level: 374
 Total Depth: 74 (Mississippian)
 Completion Date: 9/41
 Data Source(s): KGS (Nutall, p.c.), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY62
 Name: McCracken Exploration/#2 D. Gibbs
 County: McCracken
 Location: 37.1739, -88.8466 (sec 21 I 8)
 Ground Level: 348
 Total Depth: -3252 (Ordovician)
 Completion Date: 4/86
 Data Source(s): KGS (Nutall, p.c.), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: KY63
 Name: A. Buchanan/#1 T. Rudolph
 County: McCracken
 Location: 37.1731, -88.8596 (sec 22 I 8)
 Ground Level: 351
 Total Depth: -2305 (Ordovician?, Knox Group)
 Completion Date: 2/86
 Data Source(s): KGS (Nutall, p.c.), 1991
 Remarks:

Drill-Hole Type:

TABLE 4A.--Mississippi Embayment drill holes to the Paleozoic surface located in Kentucky--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
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*

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri

[All personal communication references (p.c.) are dated 1988 unless otherwise stated]

Well Index Identification: MO2
Name: McNew-Gypsy (MGS log # 23365)
County: Scott
Location: 37.0198, -89.4934 (NE SE sec 1 T27N R12E)
Ground Level: 338
Total Depth: -2364 (Ordovician, Roubidoux)
Completion Date: N.D.
Data Source(s): Glick, p.c.; Martin, p.c.
Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-62	Smithville	Ordovician	
-1012	Powell	Ordovician	
-1302	Cotter	Ordovician	
-1922	Jefferson City	Ordovician	
-2267	Roubidoux	Ordovician	

Well Index Identification: MO4
Name: Himmelberger/H. Faults and others (MGS log # 2204)
County: Stoddard
Location: 36.9617, -89.7726 (NE NE NW sec 28 T27N R12E)
Ground Level: 304
Total Depth: -2606 (Cambrian, Eminence-Potosi)
Completion Date: 1928?
Data Source(s): Glick, p.c.; Netzler, p.c.; Martin, p.c., 1989; Grohskopf, 1955

Remarks: Grohskopf describes geology from samples taken below -1671'.

Drill-Hole Type:

Paleozoic Surface Data (Netzler):

Depth	Formation	Age	Lithology
-31?			ls-ss
-221	St. Peter?	Ordovician	limestone
-1176	Roubidoux?	Ordovician	sandy ls
-1671		Ordovician	dolo-chert
-2031	Gunter Member?	Ordovician	
-2101	Eminence-Potosi	Upper Cambrian	chert-dolo

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
*			
-1671	Gasconade-VanBuran	Ordovician	dolomite
-2006	Gunter Member	Ordovician	dolomite
-2286	Eminence	Upper Cambrian	dolomite
-2396	Potosi	Upper Cambrian	dolomite

Well Index Identification: MO5
Name: (MGS log # 26558)
County: Bollinger
Location: 37.0436, -90.0703 (NE SE sec 32 T28N R9E)

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Ground Level: 343
 Total Depth: -152
 Completion Date: 1970
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
194	Jefferson City	Ordovician	
33	Roubidoux	Ordovician	

Well Index Identification: MO6

Name: NRC Test Hole #2 (MGS log # 28482)
 County: Stoddard
 Location: 36.9608, -89.8708 (SE NE NW sec 28 T27N R11E)
 Ground Level: 340 (353.lkb)
 Total Depth: -202
 Completion Date: 7-2-81
 Data Source(s): McCracken, p.c.; Glick, p.c.
 Remarks:

Drill-Hole Type: ET

Paleozoic Surface Data (McCracken):

Depth	Formation	Age	Lithology
87	Smithville	Ordovician	

Well Index Identification: MO7

Name: Mayberry (MGS log # 22884)
 County: Stoddard
 Location: 37.0103, -89.9485 (NW SE SE sec 3 T27N R10E)
 Ground Level: 360
 Total Depth: +250
 Completion Date: 4-17-64
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
270	Cotter	Ordovician	

Well Index Identification: MO8

Name: Phillips (MGS log # 22275)
 County: Stoddard
 Location: 37.0257 -89.9083 (SE NE sec 1 T27N R10E)
 Ground Level: 415
 Total Depth: 210
 Completion Date: 1963
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
215		Ordovician	

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Well Index Identification: M09
 Name: Travers (MGS log # 14220)
 County: Stoddard
 Location: 37.0105, -90.0375 (W1/2 SW SW sec 2 T27N R9E)
 Ground Level: 360
 Total Depth: +295
 Completion Date: 1955
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
320?	Cotter?	Ordovician	

Well Index Identification: M010
 Name: J. Wellborn (MGS log # 20790)
 County: Stoddard
 Location: 36.9668, -89.9580 (SW SE SW sec 22 T27N R10E)
 Ground Level: 339
 Total Depth: +174
 Completion Date: 2-3-62
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: M011
 Name: Mingus National Wildlife Refuge (MGS log # 27664)
 County: Stoddard
 Location: 36.9654, -90.1446 (E1/2 NE SE sec 23 T27N R8E)
 Ground Level: 465?
 Total Depth: -10
 Completion Date: 1974
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
450	Jefferson City	Ordovician	
320	Roubidoux		
140	Upper Gasconade		
50	Lower Gasconade		

Well Index Identification: M012
 Name: Lisco (MGS log # 21552)
 County: Stoddard
 Location: 36.9680, -90.0134 (SE SE NE sec 24 T27N R9E)
 Ground Level: 390
 Total Depth: +230

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Completion Date: 2-24-62
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
265		Ordovician	

Well Index Identification: MO13

Name: Missouri Power and Development Co./Well #1 (MGS log # 225)

County: Stoddard

Location: 36.9517, -90.1481 (SW SW SE sec 26 T27N R8E)

Ground Level: 410

Total Depth: -98 (Ordovician, Gasconade)

Completion Date: 8-29

Data Source(s): Grohskopf, 1955; Glick, p.c.

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
400	Jefferson City	Ordovician	dolomite
240	Roubidoux	Ordovician	dolomite
-5	Gasconade	Ordovician	dolomite

Well Index Identification: MO14

Name: State log # 13795

County: Stoddard

Location: 36.9691, -90.1385 (NW NE SW sec 24 T27N R8E)

Ground Level: 396

Total Depth: +246

Completion Date: 7-17-55

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
371	Jefferson City	Ordovician	
291	Roubidoux	Ordovician	

Well Index Identification: MO15

Name: U.S. Dept. Interior/Mingo National Wildlife Refuge (MGS log # 23546)

County: Stoddard

Location: 36.9386, -90.1938 (SW NW SW sec 33 T27N R8E)

Ground Level: 415

Total Depth: +215

Completion Date: 4-28-65

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
385	Jefferson City	Ordovician	
325	Roubidoux	Ordovician	

Well Index Identification: MO16

Name: E.M. Gould/W.C. Pattongill #1 (MGS log # 3137)
 County: Scott
 Location: 37.1141, -89.5450 (NW SE SE sec 6 T28N R14E)
 Ground Level: 445
 Total Depth: +277
 Completion Date: 11-16-34
 Data Source(s): Grohskopf, 1955; Glick, p.c.
 Remarks: Grohskopf describes geology.
 Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
285	Everton	Ordovician	limestone

Well Index Identification: MO18

Name: E.M. Gould/R. Lucas & J. Norris #1 (MGS log # 3119)
 County: Scott
 Location: 37.1175, -89.5555 (C W1/2 W1/2 sec 6 T28N R13E)
 Ground Level: 390
 Total Depth: +227
 Completion Date: 1934
 Data Source(s): Grohskopf, 1955; Glick, p.c.
 Remarks: Grohskopf describes geology.
 Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
340	Everton	Ordovician	dolomite

Well Index Identification: MO19

Name: Schneider & Gwin/O. Deinberger #1 (MGS log # 7407)
 County: Scott
 Location: 37.1106, -89.6104 (NE NE NE sec 9 T28N R13E)
 Ground Level: 383
 Total Depth: +43
 Completion Date: 1941
 Data Source(s): Grohskopf, 1955; , p.c..
 Remarks: Grohskopf describes geology. Glick gives location as N1/2 NW NW sec 10 T28N R13E

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
323	Everton	Ordovician	dolomite

Well Index Identification: MO21

Name: Felker (MGS log # 7935)
 County: Scott
 Location: 37.1088, -89.5636 (SW NE NE sec 12 T28N R13E)

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Ground Level: 445
 Total Depth: +217
 Completion Date: 1942
 Data Source(s): Grohskopf, 1955; Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
300	Everton	Ordovician	

Well Index Identification: MO22

Name: (MGS log # 3455)

County: Scott

Location: 37.0857, -89.5771 (NE SE SE sec 14 T28N R13E)

Ground Level: 379

Total Depth: +171

Completion Date: N.D.

Data Source(s): Grohskopf, 1955; Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
219	Everton?	Ordovician	

Well Index Identification: MO24

Name: E.M. Gould/City of Oran well #1 (MGS log # 3561)

County: Scott

Location: 37.0808, -89.6478 (SE SE SE sec 18 T28N R13E)

Ground Level: 335?

Total Depth: +186

Completion Date: 3-18-36

Data Source(s): Grohskopf, 1955; Glick, p.c.

Remarks: Grohskopf describes geology.

Drill-Hole Type: MW

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
188	Everton	Ordovician	dolomite

Well Index Identification: MO26

Name: Cram (MGS log # 7961)

County: Stoddard

Location: 37.0823, -89.8532 (C SE SE sec 17 T28N R11E)

Ground Level: 364

Total Depth: +246

Completion Date: 7-13-42

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
324	Powell	Ordovician	

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Well Index Identification: MO27

Name: City of Perkins well (MGS log # 24325)

County: Scott

Location: 37.0947, -89.7686 (NW NW sec 18 T28N R12E)

Ground Level: 340

Total Depth: -360

Completion Date: 1935?

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type: MW

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
310	Powell? (Smithville)	Ordovician	

Well Index Identification: MO29

Name: (MGS log # 6386)

County: Stoddard

Location: 37.0737, -89.8100 (SW SW NW sec 23 T28N R11E)

Ground Level: 450

Total Depth: +280

Completion Date: 1935?

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
362	Smithville	Ordovician	

Well Index Identification: MO31

Name: (MGS log # 6387)

County: Stoddard

Location: 37.0688, -89.8132 (NW NW SW sec 23 T28N R11E)

Ground Level: 450

Total Depth: +160

Completion Date: 1935?

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
330	Smithville	Ordovician	

Well Index Identification: MO32

Name: G.E. Kinder and others/Rehms #1 (MGS log # 9205)

County: Stoddard

Location: 37.0455, -89.8556 (SE NE sec 32 T28N R11E)

Ground Level: 401?

Total Depth: -534

Completion Date: 3-44

Data Source(s): Grohskopf, 1955; Glick, p.c.

Remarks: Grohskopf describes geology.

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
316	Powell	Ordovician	dolomite
161	Cotter-Jefferson City	Ordovician	dolomite
-379	Roubidoux	Ordovician	dolomite

Well Index Identification: M033

Name: (MGS log # 11611)
County: Stoddard
Location: 37.0552, -89.8816 (SE SW sec 31 T28N R11E)
Ground Level: 403
Total Depth: -1362 (Ordovician, Gasconade)
Completion Date: 1951
Data Source(s): Glick, p.c.; Martin, p.c., 1989
Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
203	Powell	Ordovician	
53	Cotter	Ordovician	
-337	Jefferson City	Ordovician	
-567	Roubidoux	Ordovician	
-817	Upper Gasconade	Ordovician	
-1017	Lower Gasconade	Ordovician	

Well Index Identification: M034

Name: City of Advance well (MGS log # 131123)
County: Stoddard
Location: 37.1028, -89.9130 (SW NW SE sec 11 T28N R10E)
Ground Level: 358
Total Depth: -543 (Ordovician, Roubidoux)
Completion Date: 11-54
Data Source(s): Glick, p.c.; Martin, p.c., 1989
Remarks:

Drill-Hole Type: MW

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
203?	Powell-Smithville	Ordovician	
38	Cotter	Ordovician	
-337	Jefferson City	Ordovician	
-507	Roubidoux	Ordovician	

Well Index Identification: M035

Name: Johns (MGS log # 22978)
County: Stoddard
Location: 37.0453, -89.9317 (NE NE SW sec 34 T28N R10E)
Ground Level: 361
Total Depth: +296
Completion Date: 6-12-64
Data Source(s): Glick, p.c.
Remarks:

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
311			

Well Index Identification: M036

Name: Strahel (MGS log # 13523)

County: Stoddard

Location: 37.0570, -89.9084 (E1/2 NE SE sec 26 T28N R10E)

Ground Level: 389

Total Depth: +284

Completion Date: 12-26-54

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
324	Powell-Smithville	Ordovician	

Well Index Identification: M037

Name: (MGS log # 21434)

County: Scott

Location: 37.1577, -89.4512 (SW corner sec 19 T29N R15E)

Ground Level: 343

Total Depth: +288

Completion Date: 9-14-62

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
288			

Well Index Identification: M038

Name: E.M. Gould/City of Illmo well #1 (MGS log # 2722A)

County: Scott

Location: 37.2141, -89.5101 (SE SE NW sec 3 T29N R14E)

Ground Level: 400?

Total Depth: -522

Completion Date: 6-33

Data Source(s): Grohskopf, 1955; Glick, p.c.

Remarks: Grohskopf describes geology.

Drill-Hole Type: MW

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
375	Plattin	Ordovician	limestone
175	Rock Levee	Ordovician	limestone
-65	Joachim	Ordovician	dolomite
-300	Dutchtown	Ordovician	limestone
-450	St. Peter-Everton	Ordovician	sandstone
-515	Everton	Ordovician	dolomite

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Well Index Identification: MO39

Name: Bollinger/"Oade" Bollinger Illmo-Commerce well (MGS log # 9279)

County: Scott

Location: 37.2026, -89.5000 (SE SW SW sec 3 T29N R14E)

Ground Level: 410

Total Depth: +172

Completion Date: 1946

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type: MW

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
230	Plattin	Ordovician	

Well Index Identification: MO42

Name: City of Kelso (MGS log # 27742)

County: Scott

Location: 37.1837, -89.5470 (NW SW NE sec 7 T29N R14E)

Ground Level: 400

Total Depth: -260

Completion Date: 12-29-74

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type: MW

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
355	Joachim	Ordovician	
215	Dutchtown	Ordovician	
50	St. Peter	Ordovician	
40	Everton	Ordovician	
-180	Powell	Ordovician	

Well Index Identification: MO43

Name: E.M. Gould/City of Hornfelt well #1 (MGS log # 4196)

County: Scott

Location: 37.2091, -89.5313 (NE NW NE sec 5 T29N R14E)

Ground Level: 366

Total Depth: -67

Completion Date: 4-20-37

Data Source(s): Grohskopf, 1955; Glick, p.c.

Remarks: Grohskopf describes geology.

Drill-Hole Type: MW

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
316	Joachim	Ordovician	dolomite
126	Dutchtown	Ordovician	limestone
-4	St. Peter-Everton	Ordovician	sandstone
-64	Everton	Ordovician	limestone

Well Index Identification: MO44

Name: Schneider & Gwin/L.W. Heisserer #1 (MGS log # 8450)

County: Scott

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Location: 37.1938, -89.5259 (NW NE NE sec 8 T29N R14E)
 Ground Level: 375
 Total Depth: +43
 Completion Date: 10-8-43
 Data Source(s): Grohskopf, 1955; Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
295	Plattin	Ordovician	dolo-ls
220	Joachim	Ordovician	dolomite

Well Index Identification: MO48

Name: Ashley (MGS log # 8594)
 County: Scott
 Location: 37.1568, -89.5145 (NW SW SE sec 21 T29N R14E)
 Ground Level: 434
 Total Depth: +199
 Completion Date: 1-7-44
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
339	Everton	Ordovician	

Well Index Identification: MO49

Name: Schneider & Gwin/H. Blattel #1 (MGS log # 7202)
 County: Scott
 Location: 37.1752, -89.5138 (NW SW NW sec 16 T29N R14E)
 Ground Level: 430?
 Total Depth: +112
 Completion Date: 5-41
 Data Source(s): Grohskopf, 1955; Glick, p.c.
 Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
365	Joachim	Ordovician	dolomite
255	Dutchtown	Ordovician	limestone
115	St. Peter-Everton	Ordovician	sandstone

Well Index Identification: MO51

Name: B. Harrison (MGS log # 28151)
 County: Scott
 Location: 37.1500, -89.4943 (sec 27 T29N R14E)
 Ground Level: 500
 Total Depth: -420
 Completion Date: 10-11-78
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
260	Plattin	Ordovician	
-85	Joachim	Ordovician	
-210	Dutchtown	Ordovician	
-375	St. Peter	Ordovician	

Well Index Identification: MO55

Name: (MGS log # 22066)

County: Scott

Location: 37.2072, -89.5619 (NE SE sec 1 T29N R13E)

Ground Level: 390

Total Depth: +215

Completion Date: 3-16-63

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
295	Dutchtown	Ordovician	
225	St. Peter	Ordovician	

Well Index Identification: MO57

Name: Killiam-Gilick (MGS log # 3915)

County: Scott

Location: 37.1991, -89.6230 (NE SW SW sec 4 T29N R13E)

Ground Level: 400

Total Depth: +330

Completion Date: 7-6-36

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
355	Everton	Ordovician	

Well Index Identification: MO58

Name: (MGS log # 8326)

County: Scott

Location: 37.1801, -89.5714 (NW NW sec 13 T29N R13E)

Ground Level: 515

Total Depth: *

Completion Date: N.D.

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
495	St. Peter	Ordovician	

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Well Index Identification: M059

Name: (MGS log # 8444)

County: Scott

Location: 37.1963, -89.5679 (SW NE NE sec 12 T29N R13E)

Ground Level: 375

Total Depth: +273

Completion Date: N.D.

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
330	Dutchtown	Ordovician	
285	St. Peter	Ordovician	

Well Index Identification: M060

Name: City of Chafee well #2 (MGS log # 2147)

County: Scott

Location: 37.1808, -89.6570 (NW NE sec 18 T29N R13E)

Ground Level: 337

Total Depth: -1738 (Ordovician, Gunter Member)

Completion Date: 1956

Data Source(s): Glick, p.c.; Martin, p.c., 1989

Remarks:

Drill-Hole Type: MW

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
212?	Everton	Ordovician	
	Cotter	Ordovician	
-1108	Jefferson City	Ordovician	
	Roubidoux	Ordovician	
-1308	Gasconade	Ordovician	

Well Index Identification: M062

Name: A.J. Patterson/Catholic Church #1

County: Scott

Location: 37.1288, -89.5965 (SW SW SW sec 35 T29N R13E)

Ground Level: 459

Total Depth: +214

Completion Date: 1914

Data Source(s): Grohskopf, 1955

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
340	Everton	Ordovician	ls-?dolo

Well Index Identification: M063

Name: (MGS log # 22064)

County: Cape Girardeau

Location: 37.1979, -89.8139 (SE SE sec 3 T29N R11E)

Ground Level: 361

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Total Depth: +276
 Completion Date: 4-30-63
 Data Source(s): Glick , p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
291	Canadian Series?	Ordovician	

Well Index Identification: MO64

Name: (MGS log # 3394)
 County: Cape Girardeau
 Location: 37.2076, -89.7913 (SW corner NW sec 1 T29N R11E)
 Ground Level: 360
 Total Depth: -23
 Completion Date: 6-23-35
 Data Source(s): Glick , p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
240	Canadian Series	Ordovician	

Well Index Identification: MO65

Name: R.H. Ford/#1 C.L. Maloney (MGS log # 24641 or 21477?)
 County: Bollinger
 Location: 37.1704, -89.9545 (NW NE NW sec 21 T29N R10E)
 Ground Level: 376
 Total Depth: -1349 (Cambrian, Eminence)
 Completion Date: N.D.
 Data Source(s): Glick, p.c.; Martin, p.c., 1989
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
336	Powell	Ordovician	
-134	Jefferson City	Ordovician	
-314	Roubidoux	Ordovician	
-564	Gasconade	Ordovician	
-1154	Eminence	Upper Cambrian	

Well Index Identification: MO66

Name: (MGS log # 21253)
 County: Cape Girardeau
 Location: 37.1791, -89.7997 (SE NW NE sec 14 T29N R11E)
 Ground Level: 521
 Total Depth: +201
 Completion Date: 3-20-62
 Data Source(s): Glick , p.c.
 Remarks:

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
476	Smithville	Ordovician	

Well Index Identification: M067

Name: P. Deimund/P. Deimund Cooper #1 (MGS log # 7682)

County: Bollinger

Location: 37.1707, -90.0084 (SE SE sec 14 T29N R9E)

Ground Level: 370

Total Depth: -1475 (Cambrian, Potosi)

Completion Date: 12-38

Data Source(s): Grohskopf, 1955; Glick, p.c.; Martin, p.c., 1989

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
320	Cotter	Ordovician	dolomite
265	Swan Creek Member?	Ordovician	dolomite
240	Jefferson City	Ordovician	dolomite
-30	Roubidoux	Ordovician	dolomite
-230	Upper Gasconade	Ordovician	dolomite
-380	Lower Gasconade-VanBuran	Ordovician	dolomite
-905	Eminence	Upper Cambrian	dolomite
-1110	Potosi	Upper Cambrian	dolomite

Well Index Identification: M068

Name: Missouri Highway Dept./(MGS log # 13525)

County: Bollinger

Location: 37.1887, -90.0761 (SW SW sec 8 T29N R9E)

Ground Level: 362

Total Depth: +277

Completion Date: 4-15-55

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
342	Jefferson City	Ordovician	

Well Index Identification: M069

Name: Graysboro School #1 (MGS log # 7334)

County: Scott

Location: 37.2387, -89.4700 (SW SW NW sec 26 T30N R14S)

Ground Level: 354?

Total Depth: +239?

Completion Date: 1941

Data Source(s): Grohskopf, 1955; Glick, p.c.

Remarks: Grohskopf describes geology.

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
316?	Kimmswick	Ordovician	limestone
254?	Decorah	Ordovician	limestone

Well Index Identification: MO71

Name: City of Scott well #3 (MGS log # 27364)

County: Scott

Location: 37.2333, -89.5135 (SE NE sec 32 T30N R14E)

Ground Level: 410

Total Depth: -290

Completion Date: N.D.

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type: MW

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
363	Plattin-Rock Levee	Ordovician	
145	Rock Levee-Joachim	Ordovician	
-43	Dutchtown	Ordovician	
-205	St. Peter	Ordovician	
-280	Everton	Ordovician	

Well Index Identification: MO74

Name: City of Illmo well (State log # 9998)

County: Scott

Location: 37.2233, -89.5070 (C SW SW sec 33 T30N R14E)

Ground Level: 367

Total Depth: -668 (Ordovician, Everton)

Completion Date: 3-48

Data Source(s): Glick, p.c.; Martin, p.c., 1989

Remarks:

Drill-Hole Type: MW

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
334	Rock Levee	Ordovician	
132	Joachim	Ordovician	
-73	Dutchtown	Ordovician	
-258	St. Peter	Ordovician	
-338	Everton	Ordovician	

Well Index Identification: MO77

Name: (MGS log # 9093)

County: Cape Girardeau

Location: 37.2971, -89.5842 (NW SW SE sec 2 T30N R13E)

Ground Level: 405

Total Depth: -345

Completion Date: 4-1-45

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
390	Upper Plattin	Ordovician	
340	Lower Plattin	Ordovician	
105	Joachim	Ordovician	
-135	Dutchtown	Ordovician	
-300	St. Peter	Ordovician	

Well Index Identification: M078

Name: (MGS log # 7348)

County: Cape Girardeau

Location: 37.3050, -89.5666 (NW NW NW sec 1 T30N R13E)

Ground Level: 440

Total Depth: -461

Completion Date: 8-23-41

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
410	Plattin	Ordovician	
-85	Joachim	Ordovician	
-305	Dutchtown	Ordovician	

Well Index Identification: M079

Name: (MGS log # 8595)

County: Cape Girardeau

Location: 37.2851, -89.5873 (SW NE NW sec 11 T30N R13E)

Ground Level: 406

Total Depth: +45

Completion Date: 2-16-44

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
366	Lower Plattin	Ordovician	
186	Joachim	Ordovician	

Well Index Identification: M080

Name: (MGS log # 9095)

County: Cape Girardeau

Location: 37.2904, -89.6115 (SW NW SE sec 5 T30N R13E)

Ground Level: 430

Total Depth: -20

Completion Date: 2-22-46

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
420	Plattin	Ordovician	
405	Joachim	Ordovician	
180	Dutchtown	Ordovician	
40	St. Peter	Ordovician	

Well Index Identification: M081

Name: (MGS log # 3732)

County: Cape Girardeau

Location: 37.2884, -89.5622 (C NW sec 12 T30N R13E)

Ground Level: 436

Total Depth: -404 (Ordovician, Everton)

Completion Date: 8-7-36

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
421	Plattin-Joachim-Dutchtown	Ordovician	
-314	St. Peter	Ordovician	
-419	Everton	Ordovician	

Well Index Identification: M082

Name: (MGS log # 4129)

County: Cape Girardeau

Location: 37.2728, -89.5635 (NE NE SW sec 12 T30N R13E)

Ground Level: 385

Total Depth: -349 (Ordovician, St. Peter)

Completion Date: 3-4-37

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
330	Plattin-Joachim	Ordovician	
-325	St. Peter	Ordovician	

Well Index Identification: M085

Name: (MGS log # 18437)

County: Cape Girardeau

Location: 37.2546, -89.5885 (SW NW NE sec 22 T30N R13E)

Ground Level: 343

Total Depth: -52 (Ordovician, Everton)

Completion Date: 1959

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
258	Joachim	Ordovician	
148	Dutchtown	Ordovician	
8	St. Peter	Ordovician	
-47	Everton	Ordovician	

Well Index Identification: M086

Name: (MGS log # 7669)

County: Cape Girardeau

Location: 37.2690, -89.6373 (NE NE NE sec 17 T30N R13E)

Ground Level: 430

Total Depth: 90

Completion Date: 3-3-42

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
405	Joachim	Ordovician	
295	Dutchtown	Ordovician	
170	St. Peter	Ordovician	
-140	Everton	Ordovician	

Well Index Identification: M087

Name: Rhodes Truck Stop on I-55 (MGS log # 27750)

County: Scott

Location: 37.2363, -89.5625 (NW NW SW sec 25 T30N R13E)

Ground Level: 335

Total Depth: -500

Completion Date: N.D.

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
205	Dutchtown	Ordovician	
30	St. Peter	Ordovician	
-5	Everton	Ordovician	

Well Index Identification: M089

Name: Weldon Well Co./Harvey Parks Airport #1 (MGS log # 8329)

County: Scott

Location: 37.2170, -89.5269 (NW SW NW sec 36 T30N R13E)

Ground Level: 335

Total Depth: -5

Completion Date: 1943?

Data Source(s): Grohskopf, 1955; Glick, p.c.

Remarks: Grohskopf describes geology.

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
185	Dutchtown	Ordovician	limestone
110	St. Peter-Everton	Ordovician	sandstone

Well Index Identification: M090

Name: J. Davis (MGS log # 9091)

County: Scott

Location: 37.2258, -89.5802 (C SW NW sec 35 T30N R13E)

Ground Level: 493

Total Depth: +393

Completion Date: 8-13-45

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
478	Plattin	Ordovician	

Well Index Identification: M091

Name: (MGS log # 7778)

County: Cape Girardeau

Location: 37.3030, -89.6706 (SE NW sec 1 T30N R12E)

Ground Level: 400

Total Depth: +314

Completion Date: 4-16-42

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
370	Dutchtown	Ordovician	
345	St. Peter	Ordovician	

Well Index Identification: M094

Name: O.W. Killiam/K.M. Pattinson (MGS log # 7324)

County: Pemiscot

Location: 36.1500, -89.6541 (SE SW sec 33 T18N R13E)

Ground Level: 263

Total Depth: -3082 (Cambrian, Bonneterre)

Completion Date: 11-41

Data Source(s): Grohskopf, 1955; Glick, p.c.; Netzler, p.c.; Martin, p.c.

Remarks: Grohskopf notes igneous rocks from -2832 to -2848 and -3052 to -3082.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-2454	Bonneterre	Cambrian	shale(dolo)

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Well Index Identification: M095
 Name: City of Cardwell (MGS log # 10902)
 County: Dunklin
 Location: 36.0445, -90.2850 (NW SW SE sec 3 T16N R7E)
 Ground Level: 247
 Total Depth: -1523
 Completion Date: 7-49
 Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1558			

Well Index Identification: M096
 Name: Strake Petroleum Co./T.P. Russell #1 (MGS log # 7222)
 County: Pemiscot
 Location: 36.2666, -89.8172 (SW SE sec 24 T19N R11E)
 Ground Level: 266 (271rt)
 Total Depth: -4469 (Cambrian, Lamotte)
 Completion Date: 9-10-41

Data Source(s): Grohskopf, 1955; Schwalb, 1982; Glick, p.c.; Martin, p.c.
 Remarks: Basic dikes in Paleozoic section (-2379 to -2429, -2564 to -2589, -2829 to ?, -3979 to -4004). Core contains identifiable fossils.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-1789	Eminence-(Potosi?)	Upper Cambrian	dolomite
-2541	Elvins Group	Upper Cambrian	limestone
-2799	Bonneterre	Upper Cambrian	sh,dolo,ls
-4379	Lamotte	Upper Cambrian	qzite(dolo)

Well Index Identification: M098
 Name: Dept. of Interior/E. Russell NMTW 1-X (MGS log # 28206)
 County: New Madrid
 Location: 36.4135, -89.5593 (SW SW SE sec 32 T21N R14E)
 Ground Level: 280
 Total Depth: -2030 (Cambrian, Derby-Doerun)
 Completion Date: 1979

Data Source(s): Glick, p.c.; Netzler, p.c.; Martin, p.c.

Remarks: Netzler describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1740	Derby	Upper Cambrian	dolo-shale

Well Index Identification: M099
 Name: Coastal Development Co./J.P. Pearson #1 (MGS log # 6614)
 County: Butler
 Location: 36.5254, -90.4033 (NW NE NW sec 27 T22N R6E)
 Ground Level: 297
 Total Depth: -456 (Ordovician, Roubidoux)

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Completion Date: 12-39

Data Source(s): Grohskopf, 1955; Glick, p.c.; Martin, p.c., 1989

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-213	Roubidoux?	Ordovician	dolomite

Well Index Identification: M0100

Name: U.S. Bureau of Mines/R.B. Oliver Jr. #1 (MGS log # 8882)

County: New Madrid

Location: 36.5134, -89.8976 (C SW SW sec 29 T22N R11E)

Ground Level: 278

Total Depth: -3459 (Cambrian, Bonneterre)

Completion Date: 5-25-44

Data Source(s): Grohskopf, 1955; Schwalb, 1982; Glick, p.c.; Martin, p.c.

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-1018	Jefferson City	Ordovician	dolomite
-1372	Roubidoux	Ordovician	dolomite
-1767	Gasconade-VanBuran	Ordovician	dolomite
-1952	Gunter Member	Ordovician	dolomite
-2012	Eminence	Upper Cambrian	dolomite
-2192	Potosi	Upper Cambrian	dolomite
-2497	Elvins Group	Cambrian	dolomite
-3112	Bonneterre	Cambrian	dolomite

Well Index Identification: M0102

Name: C. Ramsey (MGS log # 11654)

County: Butler

Location: 36.5470, -90.5439 (SE SE SW sec 17 T25N R5E)

Ground Level: 323

Total Depth: -27

Completion Date: 1951

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
178?	Roubidoux	Ordovician	

Well Index Identification: M0103

Name: MGS Observation Well (MGS log # 14848)

County: Ripley

Location: 36.5764, -90.6106 (SE SE sec 3 T22N R4E)

Ground Level: 308

Total Depth: +243

Completion Date: 8-3-56

Data Source(s): Glick, p.c.

Remarks:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
247			dolomite

Well Index Identification: MO104

Name: (MGS log # 24168

County: Ripley

Location: 36.5832, -90.5860 (SW SW NW sec 1 T22N R4E)

Ground Level: 304

Total Depth: -786

Completion Date: N.D.

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
304?	Jefferson City	Ordovician	
184	Roubidoux	Ordovician	
166	Upper Gasconade	Ordovician	
-306	Lower Gasconade	Ordovician	
-696	Gunter Member	Ordovician	
-751	Eminence	Upper Cambrian	

Well Index Identification: MO105

Name: (MGS log # 21859

County: Ripley

Location: 36.5738, -90.6053 (NW NW NW sec 11 T22N R4E)

Ground Level: 303

Total Depth: *

Completion Date: 9-28-63

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
228			

Well Index Identification: MO106

Name: (MGS log # 21533

County: Ripley

Location: 36.5885, -90.6166 (NE NE NW sec 3 T22N R4E)

Ground Level: 305

Total Depth: 239

Completion Date: 12-14-62

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
280?	Jefferson City	Ordovician	

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Well Index Identification: M0107

Name: Lilbourn Oil Co./S.L. Hunter #1 (MGS log # 7309 or 7809?)

County: New Madrid

Location: 36.6299, -89.5884 (SW SW SW sec 18 T23N R14E)

Ground Level: 285

Total Depth: -1167 (Ordovician, Cotter)

Completion Date: 3-47

Data Source(s): Grohskopf, 1955; Glick, p.c.; Netzler, p.c.; Martin, p.c., 1989

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-1132	Cotter	Ordovician	dolo-chert

Well Index Identification: M0108

Name: (MGS log # 22401)

County: Ripley

Location: 36.5594, -90.6713 (N1/2 NW NE sec 18 T22N R4E)

Ground Level: 331

Total Depth: 266

Completion Date: 12-31-63

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
306			dolomite

Well Index Identification: M0109

Name: Cordova-Union Oil Corp./E. Phillips #1 (MGS log # 6809)

County: New Madrid

Location: 36.5923, -89.5486 (SW SW SW sec 33 T23N R14E)

Ground Level: 302

Total Depth: -2201 (Ordovician, Gasconade)

Completion Date: 4-12-41

Data Source(s): Grohskopf, 1955; Glick, p.c.; Martin, p.c., 1989

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-1258	Cotter	Ordovician	cryst dolo
-1473	Jefferson City	Ordovician	cryst dolo
-1838	Roubidoux	Ordovician	cryst dolo
-2078	Gasconade	Ordovician	cryst dolo

Well Index Identification: M0110

Name: Neelyville School District (MGS log # 22525)

County: Butler

Location: 36.6646, -90.5340 (SE SE sec 5 T23N R5E)

Ground Level: 381

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Total Depth: 71
 Completion Date: 4-24-64
 Data Source(s): Glick , p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
281	Roubidoux	Ordovician	
96	Upper Gasconade	Ordovician	

Well Index Identification: MO111

Name: Mammoth Production Co./Big Oak Tree #1 (MGS log # 24204)

County: Mississippi

Location: 36.7420, -89.2533 (SW SW NE sec 7 T24N R17E)

Ground Level: 293

Total Depth: -4616 (Ordovician, Roubidoux, (Middle Knox?))

Completion Date: N.D.

Data Source(s): Glick, p.c.; Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Martin):

Depth	Formation	Age	Lithology
-1132	Kimmswick?	Ordovician	
-1606	Everton	Ordovician	
-3297	Roubidoux	Ordovician	

Well Index Identification: MO112

Name: City of Doniphan well (MGS log # 27513)

County: Ripley

Location: 36.6207, -90.8422 (NW NW sec 27 T23N R2E)

Ground Level: 420

Total Depth: -750

Completion Date: 10-73

Data Source(s): Glick , p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
370	Roubidoux	Ordovician	
135	Upper Gasconade	Ordovician	
-45	Lower Gasconade	Ordovician	
-435	Gunter Member	Ordovician	
-485	Eminence	Upper Cambrian	
-710	Potosi	Upper Cambrian	

Well Index Identification: MO114

Name: Sewell Well Co./Missouri Arkansas Power Co. well (MGS log # 1825)

County: Butler

Location: 36.7542, -90.3845 (SE SE sec 3 T24N R6E)

Ground Level: 335

Total Depth: -592 (Cambrian, Eminence)

Completion Date: 1-15

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Data Source(s): Grohskopf, 1955; Martin, p.c., 1989

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
250	Upper Gasconade	Ordovician	cryst dolo
145	Lower Gasconade-VanBuran	Ordovician	dolo
-290	Gunter Member	Ordovician	cryst dolo
-390	Eminence	Upper Cambrian	cryst dolo

Well Index Identification: M0115

Name: (MGS log # 28124)

County: Butler

Location: 36.6842 -90.2525 (C NW sec 36 T24N R7E)

Ground Level: 320

Total Depth: *

Completion Date: 7-5-73

Data Source(s): Glick, p.c

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-198			

Well Index Identification: M0116

Name: Ozark Border Electric Co. (MGS log # 20608)

County: Butler

Location: 36.7316, -90.3151 (SW NW NE sec 17 T24N R6E)

Ground Level: 406

Total Depth: -94 (Ordovician, Gasconade)

Completion Date: N.D.

Data Source(s): Glick, p.c.; Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
211	Roubidoux	Ordovician	
166	Upper Gasconade	Ordovician	
36	Lower Gasconade	Ordovician	

Well Index Identification: M0117

Name: E.P. Maurey (MGS log # 22276)

County: Butler

Location: 36.7542, -90.5193 (SW SE sec 4 T24N R5E)

Ground Level: 504

Total Depth: 277

Completion Date: 10-9-63

Data Source(s): Glick, p.c

Remarks:

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
404	Roubidoux	Ordovician	
374	Upper Gasconade	Ordovician	
319	Lower Gasconade	Ordovician	

Well Index Identification: M0118

Name: Mississippi River Fuel Co. well (MGS log # 23630)

County: Butler

Location: 36.7628, -90.4641 (NE NW NE sec 1 T24N R5E)

Ground Level: 470

Total Depth: 170

Completion Date: 12-30-64

Data Source(s): Glick, p.c

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
380	Roubidoux	Ordovician	
290	Upper Gasconade	Ordovician	
200	Lower Gasconade	Ordovician	

Well Index Identification: M0119

Name: U.S. Bureau of Mines/B. Zarecore (MGS log # 8569)

County: Stoddard

Location: 36.8168, -89.8046 (NW NW NW sec 18 T25N R12E)

Ground Level: 297

Total Depth: -304 (Ordovician, Canadian Series)

Completion Date: 6-44

Data Source(s): Grohskopf, 1955; Glick, p.c.; Netzler, p.c.

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-303	Canadian Series	Ordovician	dolomite

Well Index Identification: M0120

Name: C. Courts (MGS log # 23628)

County: Butler

Location: 36.7008, -90.5351 (SE SE NE sec 29 T24N R5E)

Ground Level: 440

Total Depth: 240

Completion Date: 10-7-64

Data Source(s): Glick, p.c

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
395		Ordovician	

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Well Index Identification: M0121

Name: M.H. Marr/W.J. Crutcher #1 (MGS log # 8573)

County: Stoddard

Location: 36.8205, -89.8601 (SW SW SW sec 10 T25N R11E)

Ground Level: 300

Total Depth: -222 (Ordovician, Canadian Series)

Completion Date: 6-44

Data Source(s): Grohskopf, 1955; Glick, p.c.; Netzler, p.c.

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-214	Canadian Series	Ordovician	hard dolo

Well Index Identification: M0122

Name: M.H. Marr/C. Barnett #1 (MGS log # 8742)

County: Stoddard

Location: 36.8352, -89.8588 (C SW SW sec 3 T25N R11E)

Ground Level: 300 (311df)

Total Depth: -4269 (Precambrian, Lamotte (Cambrian?))

Completion Date: 3-45

Data Source(s): Grohskopf, 1955; Schwalb, 1982; Glick, p.c.; Martin, p.c. 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-156.6	Powell	Ordovician	cry. dolo
-349	Cotter-Jefferson City	Ordovician	Cryst dolo
-834	Roubidoux	Ordovician	cryst dolo
-1144	Gasconade-VanBuran	Ordovician	cryst dolo
-1649	Gunter Member	Ordovician	cryst dolo
-1714	Eminence	Upper Cambrian	cryst dolo
-2039	Potosi	Upper Cambrian	cryst dolo
-2439	Elvins Group	Upper Cambrian	cryst dolo
-2989	Bonneterre	Upper Cambrian	cryst dolo
-4261	Lamotte	Upper Cambrian	quartzite

Well Index Identification: M0123

Name: Dexter Oil & Gas Co./S. Garner #1 (MGS log # 1675)

County: Stoddard

Location: 36.8168, -90.0025 (SE SE SE sec 7 T25N R10E)

Ground Level: 432

Total Depth: -1898 (Cambrian, Potosi)

Completion Date: 1915

Data Source(s): Grohskopf, 1955; Martin, p.c., 1989

Remarks: Grohskopf describes geology.

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-113	Jefferson City	Ordovician	dolo-ss
-328	Roubidoux	Ordovician	ss-dolo
-568	Gasconade-VanBuran	Ordovician	cryst. dolo
-1178	Gunter Member	Ordovician	cryst. dolo
-1248	Eminence	Upper Cambrian	cryst. dolo
-1428	Potosi	Upper Cambrian	cryst. dolo

Well Index Identification: M0124

Name: Butler County C-1 School (MGS log # 20454)

County: Butler

Location: 36.7757, -90.3243 (NW NW NW sec 32 T25N R7E)

Ground Level: 331

Total Depth: 1

Completion Date: 11-61

Data Source(s): Glick, p.c

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
226	Roubidoux	Ordovician	
- 181	Upper Gasconade	Ordovician	
86	Lower Gasconade	Ordovician	

Well Index Identification: M0125

Name: Stoddard County Exploration Co./Higgins #1 (MGS log # 10868)

County: Stoddard

Location: 36.8242, -90.1130 (C SW SE sec 6 T25N R9E)

Ground Level: 348

Total Depth: -1515 (Cambrian, Potosi-Eminence)

Completion Date: 7-8-48

Data Source(s): Grohskopf, 1955; Glick, p.c.; Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
111	Jefferson City	Ordovician	
-242	Roubidoux	Ordovician	
-392	Gasconade-VanBuran	Ordovician	
-837	Gunter Member	Ordovician	
-872	Eminence	Upper Cambrian	
-1042	Potosi	Upper Cambrian	

Well Index Identification: M0126

Name: (MGS log # 19911)

County: Mississippi

Location: 36.9364, -89.2546 (NW NE NW sec 6 T26N R17E)

Ground Level: 314

Total Depth: -736

Completion Date: 1-61

Data Source(s): Glick, p.c

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-506	Plattin	Ordovician	

Well Index Identification: M0127

Name: M & A Power Coop (MGS log # 11135)

County: Butler

Location: 36.7694, -90.4551 (SW SW sec 31 T25N R6E)

Ground Level: 489

Total Depth: -286 (Cambrian, Eminence)

Completion Date: N.D.

Data Source(s): Glick, p.c.; Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
479	Roubidoux	Ordovician	
319	Upper Gasconade	Ordovician	
219	Lower Gasconade	Ordovician	
-166	Gunter Member	Ordovician	
-196	Eminence	Upper Cambrian	

Well Index Identification: M0128

Name: Cart Construction Co./City of Charleston well (MGS log # 2661)

County: Mississippi

Location: 36.9262, -89.3492 (SW NE SW sec 5 T26N R16E)

Ground Level: 325

Total Depth: -435

Completion Date: 1925

Data Source(s): Grohskopf, 1955

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-460?			

Well Index Identification: M0129

Name: Johnson/Himmelberger Harrison Manufacturing Co. (MGS log # 270)

County: New Madrid

Location: 36.8454, -89.6925 (SW SW SE sec 31 T26N R13E)

Ground Level: 301

Total Depth: -479

Completion Date: 1902

Data Source(s): Grohskopf, 1955; Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-389	Powell?	Ordovician	

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Well Index Identification: MO130
 Name: USBM Bauxite (MGS log # 8574)
 County: Stoddard
 Location: 36.8648, -89.8089 (SE corner sec 25 T26N R11E)
 Ground Level: 301
 Total Depth: -175
 Completion Date: 6-24-44
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-174			

Well Index Identification: MO131
 Name: Marr/Reed (MGS log # 8571)
 County: Stoddard
 Location: 36.8876, -89.8349 (SW SE NW sec 23 T26N R11E)
 Ground Level: 334
 Total Depth: -74
 Completion Date: 6-29-44
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-73			

Well Index Identification: MO132
 Name: Marr/Swan (MGS log # 8575)
 County: Stoddard
 Location: 36.8630, -89.8676 (NE NW NE sec 33 T26N R11E)
 Ground Level: 302
 Total Depth: *
 Completion Date: 6-30-44
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-69			

Well Index Identification: MO133
 Name: Marr/Needham (MGS log # 8572)
 County: Stoddard
 Location: 36.8743, -89.8552 (NW SW NW sec 27 T26N R11E)
 Ground Level: 301
 Total Depth: -174
 Completion Date: 6-28-44
 Data Source(s): Glick, p.c.; Netzler, p.c.
 Remarks:

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-174			dolomite

Well Index Identification: M0134

Name: Case (MGS log # 22051)
 County: Stoddard
 Location: 36.9228, -90.1452 (E1/2 SE NE sec 2 T26N R8E)
 Ground Level: 435
 Total Depth: 284
 Completion Date: 9-19-63
 Data Source(s): Glick, p.c
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
385	Jefferson City	Ordovician	

Well Index Identification: M0135

Name: J. Sewell/City of Bloomfield well (MGS log # 2123)
 County: Stoddard
 Location: 36.8858, -89.9356 (NE SE NE sec 23 T26N R10E)
 Ground Level: 458
 Total Depth: -460
 Completion Date: 8-25
 Data Source(s): Grohskopf, 1955; Glick, p.c.
 Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
28	Jefferson City	Ordovician	ls/ss

Well Index Identification: M0136

Name: Richards (MGS log # 22052)
 County: Stoddard
 Location: 36.8978, -90.1721 (N1/2 NE SW sec 15 T26N R8E)
 Ground Level: 436
 Total Depth: 288
 Completion Date: N.D.
 Data Source(s): Glick, p.c
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
356	Jefferson City?	Ordovician	

Well Index Identification: M0137

Name: (MGS log # 21227)
 County: Stoddard
 Location: 36.8983, -90.1585 (NW NW SW sec 14 T26N R8E)
 Ground Level: 426
 Total Depth: 249

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Completion Date: 5-62
 Data Source(s): Glick, p.c
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
296	Powell?	Ordovician	

Well Index Identification: MO138

Name: Kush (MGS log # 22873)

County: Stoddard

Location: 36.8994, -90.1867 (NE NW SE sec 16 T26N R8E)

Ground Level: 403

Total Depth: 253

Completion Date: 5-21-64

Data Source(s): Glick, p.c

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
338	Roubidoux	Ordovician	

Well Index Identification: MO140

Name: McWilliams Subdivision

County: Butler

Location: 36.8843, -90.4884 (sec 26 T26N R5E)

Ground Level: 620

Total Depth: -310

Completion Date: N.D.

Data Source(s): Glick, p.c

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
510	Roubidoux	Ordovician	
400	Upper Gasconade	Ordovician	
341	Lower Gasconade	Ordovician	
10	Gunter Member	Ordovician	
-13	Eminence	Upper Cambrian	
-248	Potosi	Upper Cambrian	

Well Index Identification: MO141

Name: Oak Brier Subdivision (MGS log # 28019)

County: Butler

Location: 36.8627, -90.3974 (sec 34 T26N R6E)

Ground Level: 520

Total Depth: -190

Completion Date: N.D.

Data Source(s): Glick, p.c

Remarks:

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
265	Roubidoux	Ordovician	
235	Upper Gasconade	Ordovician	
170	Lower Gasconade	Ordovician	
-80	Gunter Member	Ordovician	
-110	Eminence	Upper Cambrian	

Well Index Identification: M0143

Name: J.A. Tweedle/D. Green #1

County: Dunklin

Location: 36.5887, -90.0860 (SW NE SE sec 34 T23N R9E)

Ground Level: 410

Total Depth: -577

Completion Date: 8-21

Data Source(s): Grohskopf, 1955

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-575	Roubidoux?	Ordovician	

Well Index Identification: M0145

Name: E.M. Gould/W. Adams #1 (MGS log # 3379)

County: Cape Girardeau

Location: 37.2644, -89.5638 (SW sec 13 T30N R13E)

Ground Level: 355

Total Depth: 25

Completion Date: 5-35

Data Source(s): Grohskopf, 1955

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
355	Rock Levee	Ordovician	ls-dolo
200	Joachim	Ordovician	cryst. dolo

Well Index Identification: M0146

Name: Clark & Johnson/Beechwood Club #1 (MGS log # 2737)

County: Cape Girardeau

Location: 37.2572, -89.6586 (C NE NE sec 24 T30N R12E)

Ground Level: 360

Total Depth: -249

Completion Date: 4-40

Data Source(s): Grohskopf, 1955

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
255	Everton	Ordovician	dolo-ss
-65	Smithville?	Ordovician	dolomite
-165	Powell?	Ordovician	dolomite

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Well Index Identification: MO147
 Name: E.M. Gould/Marquette Cement Co. #1 (MGS log # 2950)
 County: Cape Girardeau
 Location: 37.2747, -89.5343 (NW SE NE sec 18 T30N R14E)
 Ground Level: 345
 Total Depth: -580
 Completion Date: 8-34
 Data Source(s): Grohskopf, 1955
 Remarks: Grohskopf describes geology.
 Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
222	Plattin	Ordovician	limestone
-150	Joachim	Ordovician	dolomite
-330	Dutchtown	Ordovician	limestone
-515	St. Peter-Everton?	Ordovician	sandstone
-565	Everton	Ordovician	ls-dolo

Well Index Identification: MO148
 Name: Schneider & Gwin/A. Wessell (MGS log # 7669)
 County: Cape Girardeau
 Location: 37.2740, -89.6146 (NE NE NE sec 17 T30N R13E)
 Ground Level: 430
 Total Depth: 90
 Completion Date: 3-42
 Data Source(s): Grohskopf, 1955
 Remarks: Grohskopf describes geology.
 Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
405	Joachim	Ordovician	cryst. dolo ss
295	Dutchtown	Ordovician	limestone
170	St. Peter	Ordovician	sandstone
155	Everton	Ordovician	ss/dolo

Well Index Identification: MO149
 Name: Haverstick/Midwest Dairy Co. well (MGS log # 6150)
 County: Cape Girardeau
 Location: 37.3146, -89.5172 (C sec 5 T30N R14E)
 Ground Level: 353
 Total Depth: -847
 Completion Date: 6-40
 Data Source(s): Grohskopf, 1955
 Remarks: Grohskopf describes geology.
 Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
330	Kimmswick	Ordovician	limestone
278	Decorah	Ordovician	limestone
268	Plattin	Ordovician	limestone
-152	Rock Levee	Ordovician	limestone
-372	Joachim	Ordovician	ls-cryst. dolo
-597	Dutchtown	Ordovician	limestone
-752	St. Peter-Everton?	Ordovician	sandstone
-817	Everton	Ordovician	cryst. dolo-

ls

Well Index Identification: M0150

Name: W. Parkin & Sons/Headquarters Wappapello Dam #1 (MGS log # 5013)

County: Butler

Location: 36.9097, -90.2937 (NE NE NE sec 10 T26N R7E)

Ground Level: 742

Total Depth: 347

Completion Date: 1938

Data Source(s): Grohskopf, 1955

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
742	Roubidoux	Ordovician	chert-ss
492	Upper Gasconade	Ordovician	cryst. dolo

Well Index Identification: M0151

Name: E.A. Cullum/U.S. C.C.C. well # F-18 (MGS log # 3369)

County: Butler

Location: 36.8599, -90.5044 (NE NE SW sec 34 T26N R5E)

Ground Level: 580

Total Depth: -51 (Ordovician, Lower Gasconade)

Completion Date: 6-35

Data Source(s): Grohskopf, 1955

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
580	Roubidoux	Ordovician	limestone
420	Upper Gasconade	Ordovician	limestone
270	Lower Gasconade	Ordovician	limestone

Well Index Identification: M0152

Name: Mississippi River Fuel Co./Boste Station #1 (MGS log # 7288)

County: Butler

Location: 36.6501, -90.5302 (SE SW SW sec 9 T23N R5E)

Ground Level: 380

Total Depth: 90

Completion Date: 10-10-41

Data Source(s): Grohskopf, 1955

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
380	Upper Gasconade	Ordovician	clay-cryst. dolo
220	Lower Gasconade	Ordovician	cryst. dolo

Well Index Identification: MO153

Name: L. Goggins/City of Lutesville well (MGS log # 6957)

County: Bollinger

Location: 37.2921, -89.9894 (C N1/2 SE sec 6 T30N R10E)

Ground Level: 415

Total Depth: -220

Completion Date: 7-5-41

Data Source(s): Grohskopf, 1955; Martin, p.c.

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
395	Jefferson City	Ordovician	cherty dolo
130	Roubidoux	Ordovician	dolo
-70	Upper Gasconade	Ordovician	cryst. dolo
-205	Lower Gasconade	Ordovician	cryst. dolo

Well Index Identification: MO154

Name: U.S. C.C.C./S.A. Baker Park well (MGS log # 3185)

County: Wayne

Location: 37.2287, -90.5197 (NW SW SE sec 19 T30N R5E)

Ground Level: 620

Total Depth: 256 (Precambrian, red porphyry)

Completion Date: 2-35

Data Source(s): Grohskopf, 1955

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
620	Bonneterre	Cambrian	cryst. dolo- arkosic ss
255		Precambrian	porphyry

Well Index Identification: MO155

Name: A.N. Hood and others/D. Evans #1 (MGS log # 5876)

County: Wayne

Location: 37.1859, -90.4834 (C NE sec 15 T29N R5E)

Ground Level: 434

Total Depth: -43 (Precambrian)

Completion Date: 12-4-39

Data Source(s): Grohskopf, 1955

Remarks: Grohskopf describes geology below +29 ft. Depth to Paleozoic surface is uncertain, no samples were taken above +29 ft.

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
29?	Bonnerterre	Cambrian	cryst. dolo
-13		Precambrian	porphory

Well Index Identification: MO156

Name: J.D. Judd & Son/U.S. C.C.C. well # F-5 (MGS log # 2996)

County: Wayne

Location: 37.0463, -90.4769 (SW SW sec 35 T28N R5E)

Ground Level: 640

Total Depth: -190

Completion Date: 10-34

Data Source(s): Grohskopf, 1955

Remarks: Grohskopf describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
640	Gasconade	Ordovician	chert-dolo
390	Gunter Member	Ordovician	dolomite
295	Eminence	Upper Cambrian	cryst. dolo

Well Index Identification: MO157

Name: Houston Oil & Gas/#319-11A

County: Ripley

Location: 36.6674, -90.7730 (sec 6 T23N R3E)

Ground Level: 530

Total Depth: -2423 (Cambrian, Lamotte)

Completion Date: 1985

Data Source(s): Netzler, p.c.

Remarks: Geology given on State records.

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-1073	Potosi	Upper Cambrian	dolomite
-1405	Elvins Group	Upper Cambrian	dolomite
-1948?	Sullivan Silt	Upper Cambrian	dolo-qtz. ss
-1965?	Bonnerterre	Upper Cambrian	shaly ls
-2397?	Lamotte	Upper Cambrian	

Well Index Identification: MO158

Name: Exxon Minerals/#KN-1

County: Butler

Location: 36.9095, -90.5178 (sec 15 T26N R5E)

Ground Level: 375

Total Depth: -1455 (Precambrian, pink granite)

Completion Date: 1985

Data Source(s): Netzler, p.c.

Remarks: Geology given on state records.

Drill-Hole Type: O&G

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-541	Potosi	Upper Cambrian	dolomite
-622	Elvins Group-Bonneterre	Upper Cambrian	dolomite
-1453		Precambrian	granite

Well Index Identification: M0159

Name: Kerr McGee/#W-4

County: Wayne

Location: 36.9620, -90.5900 (sec 26 T27N R4E)

Ground Level: 510

Total Depth: -1560 (Precambrian)

Completion Date:

Data Source(s): Netzler, p.c.

Remarks: Surface Depths and geology given on state records.

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
450	Lower Gasconade	Ordovician	dolo-chert
245	Gunter Member	Ordovician	dolo-ss
222	Eminence	Upper Cambrian	dolo-chert
-230	Potosi	Upper Cambrian	dolomite
-760	Derby-Doerun	Upper Cambrian	dolo-shale
-875	Davis	Upper Cambrian	shale-dolo
-1010?	Bonneterre	Upper Cambrian	dolomite
-1490	Lamotte	Upper Cambrian	dolo-ak. ss
-1542		Precambrian	granite

Well Index Identification: M0160

Name: Amoco/#1 Spence Trust

County: Dunklin

Location: 36.1208, -90.1998 (sec 10 T17N R8E)

Ground Level: 250?

Total Depth: -9839 (Cambrian, Lamotte)

Completion Date: 1988

Data Source(s): Netzler, p.c. 1988 & 1989

Remarks: DST run (Hickman, p.c., 1991). Logs run: DIL, Microlog, DST, NGT, and LDCN-GR.

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1678	Upper Knox Group (Powell?)	Lower Ordovician	
-2776	Middle Knox Group	Lower Ordovician	
-5156	Gunter Member	Lower Ordovician	sandstone
-5176	Lower Knox Group	Upper Cambrian	
-6561	Elvins Group (Derby-Doerun)	Upper Cambrian	
-7238	Davis	Cambrian	shale
-7406	Bonneterre	Cambrian	
-7657	Lamotte	Cambrian	sandstone

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Well Index Identification: MO161
 Name: Cominco American/#SF-32
 County: Ripley
 Location: 36.5901, -90.9280 (sec 2 T22N R1E)
 Ground Level: 510
 Total Depth: -2594 (Cambrian, Lamotte)
 Completion Date: N.D.
 Data Source(s): Netzler, p.c.
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
180		Ordovician	
10	St. Peter	Ordovician	
-1900	Eminence-Potosi	Upper Cambrian	

Well Index Identification: MO162
 Name: Monarch County/
 County: Mississippi
 Location: 36.9048, -89.2554 (sec 7 T26N R17E)
 Ground Level: 314?
 Total Depth: *
 Completion Date: 1976
 Data Source(s): Luckey and Fuller, 1980
 Remarks:

Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: MO163
 Name: (MGS log # 4)
 County: Bollinger
 Location: 37.2656, -90.2044 (NE NE sec 19 T30 R8E)
 Ground Level: 530
 Total Depth: -301 (Precambrian)
 Completion Date: N.D.
 Data Source(s): Martin, p.c., 1989
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: MO164
 Name: (MGS log # 5)
 County: Bollinger
 Location: 37.4297, -90.1226 (NE SE sec 26 T32N R8E)
 Ground Level: 788
 Total Depth: -931 (Precambrian)
 Completion Date: N.D.
 Data Source(s): Martin, p.c., 1989

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: MO166

Name: (MGS log # 11508)

County: Bollinger

Location: 37.5854, -89.9299 (SE SE sec 3 T33N R10E)

Ground Level: 803

Total Depth: 3 (Ordovician, Roubidoux)

Completion Date: N.D.

Data Source(s): Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
71	Powell	Ordovician	

Well Index Identification: MO167

Name: State log # 11700

County: Bollinger

Location: 37.4593, -89.8604 (NW NE sec 19 T32N R9E)

Ground Level: 770

Total Depth: -941 (Cambrian, Lamotte)

Completion Date: N.D.

Data Source(s): Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
565	Eminence	Upper Cambrian	

Well Index Identification: MO168

Name: (MGS log # 11825)

County: Bollinger

Location: 37.4362, -90.0722 (NE NE sec 29 T32N R9E)

Ground Level: 730

Total Depth: -1283 (Cambrian, Lamotte)

Completion Date: N.D.

Data Source(s): Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
654	Lower Gasconade	Ordovician	

Well Index Identification: MO169

Name: (MGS log # 11873)

County: Bollinger

Location: 37.3616, -89.8706 (NE SW sec 18 T31N R11E)

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Ground Level: 680
 Total Depth: -320 (Ordovician, Gasconade)
 Completion Date: N.D.
 Data Source(s): Martin, p.c., 1989
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
620	Powell	Ordovician	

Well Index Identification: M0170

Name: (MGS log # 12345)
 County: Bollinger
 Location: 37.5784, -90.1266 (SE SE sec 11 T33N R8E)
 Ground Level: 948
 Total Depth: -812 (Cambrian, Bonneterre)
 Completion Date: N.D.
 Data Source(s): Martin, p.c., 1989
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
873	Jefferson City	Ordovician	

Well Index Identification: M0171

Name: (MGS log # 15543)
 County: Bollinger
 Location: 37.5952, -90.1527 (NE NE sec 3 T33N R8E)
 Ground Level: 915
 Total Depth: -719 (Cambrian, Lamotte)
 Completion Date:
 Data Source(s): Martin, p.c., 1989
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
675	Eminence	Upper Cambrian	

Well Index Identification: M0172

Name: (MGS log # 19530)
 County: Bollinger
 Location: 37.5608, -90.0856 (NE SW sec 18 T33N R9E)
 Ground Level: 939
 Total Depth: 619 (Cambrian, Potosi)
 Completion Date: N.D.
 Data Source(s): Martin, p.c., 1989
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
746	Eminence	Upper Cambrian	

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Well Index Identification: MO173

Name: (MGS log # 21180)

County: Bollinger

Location: 37.5745, -90.0496 (SW SE sec 9 T33N R9E)

Ground Level: 868

Total Depth: -432 (Cambrian, Derby-Doerun)

Completion Date: N.D.

Data Source(s): Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
663	Roubidoux	Ordovician	

Well Index Identification: MO174

Name: (MGS log # 28446)

County: Bollinger

Location: 37.5232, -90.0228 (SE SE sec 26 T33N R9E)

Ground Level: 640

Total Depth: -1756 (Cambrian, Bonneterre)

Completion Date: N.D.

Data Source(s): Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
630	Jefferson City	Ordovician	

Well Index Identification: MO176

Name: (MGS log # 28434)

County: Butler

Location: 36.9122, -90.4006 (sec 16 T26N R6E)

Ground Level: 570

Total Depth: -325 (Cambrian, Potosi)

Completion Date: N.D.

Data Source(s): Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
150	Lower Gasconade	Ordovician	

Well Index Identification: MO177

Name: (MGS log # 1968)

County: Cape Girardeau

Location: 37.3178, -89.5332 (SE SE sec 31 T31N R14E)

Ground Level: 500

Total Depth: -1225 (Ordovician, Everton)

Completion Date: N.D.

Data Source(s): Martin, p.c., 1989

Remarks:

Drill-Hole Type:

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
445	Kimmswick	Ordovician	

Well Index Identification: M0178

Name: (MGS log # 2116)
 County: Cape Girardeau
 Location: 37.3933, -89.6642 (SW SE sec 1 T31N R12E)
 Ground Level: 466
 Total Depth: -1751 (Ordovician, Jefferson City)
 Completion Date: N.D.
 Data Source(s): Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
416	Plattin	Ordovician	

Well Index Identification: M0179

Name: (MGS log # 18059)
 County: Cape Girardeau
 Location: 37.4641, -89.4764 (SW NE sec 14 T32N R14E)
 Ground Level: 369
 Total Depth: -1101 (Ordovician, St. Peter)
 Completion Date: N.D.
 Data Source(s): Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
359	Bainbridge	Silurian	

Well Index Identification: M0180

Name: (MGS log # 19679)
 County: Cape Girardeau
 Location: 37.4766, -89.5827 (NW NE sec 11 T32N R13E)
 Ground Level: 485
 Total Depth: -1163 (Middle Ordovician, St. Peter)
 Completion Date: N.D.
 Data Source(s): Martin, p.c., 1989 and 91

Remarks: Formations Depths are taken from the driller's log and maybe only estimates of true Depth.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+160?	Maquoketa	Upper Ordovician	shale
+35?	Kimmswick	Middle Ordovician	
-100?	Plattin	Middle Ordovician	
-565?	Joachim	Middle Ordovician	limestone
-780?	Dutchtown	Middle Ordovician	
-975?	St. Peter	Middle Ordovician	

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Well Index Identification: MO181
 Name: (MGS log # 24421)
 County: Cape Girardeau
 Location: 37.4646, -89.7759 (SW NE sec 13 T32N R11E)
 Ground Level: 636
 Total Depth: -564 (Ordovician, Cotter)
 Completion Date: N.D.
 Data Source(s): Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
606	St. Peter	Ordovician	

Well Index Identification: MO182
 Name: (MGS log # 27874)
 County: Cape Girardeau
 Location: 37.3193, -89.6673 (SE SW sec 36 T31N R12E)
 Ground Level: 470
 Total Depth: -915 (Ordovician, Powell-Smithville)
 Completion Date: N.D.
 Data Source(s): Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
445	Joachim	Ordovician	

Well Index Identification: MO183
 Name: (MGS log # 27879)
 County: Cape Girardeau
 Location: 37.5030, -89.7052 (NE SW sec 34 T33N R12E)
 Ground Level: 610
 Total Depth: -440 (Ordovician, Powell)
 Completion Date: N.D.
 Data Source(s): Martin, p.c., 1989

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
575	Plattin	Ordovician	

Well Index Identification: MO184
 Name: Exxon Minerals/MH-1
 County: Bollinger
 Location: 37.3427, -89.9749 (sec 30 T31N R10E)
 Ground Level: 550
 Total Depth: *
 Completion Date: N.D.
 Data Source(s): Schwalb, 1969; Sargent, p.c., 1991

Remarks:

Drill-Hole Type: O&G

TABLE 5A.--Mississippi Embayment drill holes to the Paleozoic surface located in Missouri--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
550			

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi

[All personal communications references (p.c.) are dated 1988 unless otherwise stated]

Well Index Identification: MS1

Name: Memphis Equipment Co./#1 W.E. Melton

County: Tippah

Location: 34.9250, -88.9406 (SE NW SW sec 12 T2S R3E)

Ground Level: 450 (458kb)

Total Depth: -4894

Completion Date: 5-23-56

Data Source(s): Glick, p.c.; State records (Oakley), 1988

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Oakley):

Depth	Formation	Age	Lithology
-712			
-758	Iowa	Mississippian	
-886	Chattanooga	Mississippian	
-891		Devonian	
-1277		Silurian	

Well Index Identification: MS2

Name: Louisiana Land and Exploration Co./#1 R.A. Myers

County: Tunica

Location: 34.5175, -90.4225 (SE SE SW sec 36 T6S R12W)

Ground Level: 177

Total Depth: -12727 (Middle Ordovician, Sullivan Sandstone)

Completion Date:

Data Source(s): Glick, p.c.; Oakley, p.c., 1992

Remarks: Sample Log from Oakley lists a coal-bearing sequence from -4195 to -5395 and igneous rock at -7705 and -8700. Frederic Mellen, the consulting geologist who constructed the Sample Log, stated that TD was within 300 ft of Knox dolomite.

Drill-Hole Type:

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-4225		Pennsylvanian?	coal
-7735			igx. rock
-8730			igx. rock
-11505		Mississippian	
-11369		Devonian	
-12727		Silurian	

Paleozoic Surface Data (Oakley):

Depth	Formation	Age	Lithology
-3817		Pennsylvanian	
-11045?		Mississippian	
-11475	Tuscumbia (Iowa?, Boone?)	Mississippian	
-12295	Brownspert	Silurian	
-12595?	Knox Group	Ordovician	dolomite

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Well Index Identification: MS3

Name: Childers/#1 Finger

County: Tippah

Location: 34.7400, -89.0601 (sec 14 T4S R2E)

Ground Level: 400

Total Depth: -1961

Completion Date: 2-55

Data Source(s): Glick, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data

Depth	Formation	Age	Lithology
-700		Ordovician?	

Well Index Identification: MS4

Name: Union Production Co./#1 F.T. Withers Estate

County: DeSoto

Location: 34.8729, -90.2716 (SE NW sec 18 T2S R9W)

Ground Level: 220

Total Depth: -4664

Completion Date: 3-30-45

Data Source(s): Glick, p.c.; Caplan, 1954; Oakley, p.c.; State records, 1988

Remarks: The repeating of Mississippian and Devonian beds may be the result reverse faulting (Caplan).

Drill-Hole Type: O&G

Paleozoic Surface Data (Caplan):

Depth	Formation	Age	Lithology
-3326		Mississippian	chert
-3976		Devonian	limestone
-4041		Mississippian	chert
		Devonian	limestone
		Silurian	red shale
-4223		Ordovician	sdv ls

Well Index Identification: MS5

Name: Amerada Petroleum Corp./R.I. Abbay (MGS log # 2113)

County: Tunica

Location: 34.7193, -90.3699 (SW SW sec 21 T4S R11W)

Ground Level: 200

Total Depth: -5910

Completion Date: 7-16-62

Data Source(s): Glick, p.c.; MGS well files

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-3800		Mississippian	shale
-3993		Devonian	sandstone
-5210		Ordovician	dolomite

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Paleozoic Surface Data (MGS):

Depth	Formation	Age	Lithology
-3755		Mississippian	
-4010		Devonian	
-4840		Silurian-Devonian	
-4860		Devonian	
-5070		Ordovician	

Well Index Identification: MS6

Name: C.P. Johnson and Perry/#1 B.F. Pritchard Estate
County: Tate
Location: 34.7117, -89.9484 (C NE NE NW sec 28 T4S R7W)
Ground Level: 235df
Total Depth: -2930
Completion Date: 9/8/45
Data Source(s): Glick, p.c.; State records (Oakley), 1988
Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Oakley):

Depth	Formation	Age	Lithology
-2800			

Well Index Identification: MS7

Name: Hess Production Co. & V.P. Smith/#1 R. M. Waldrop
County: Tate
Location: 34.6463, -89.9206 (SW SE sec 15 T5S R7W)
Ground Level: 272df
Total Depth: -4568
Completion Date: 12/7/61
Data Source(s): Glick, p.c.; State records (Oakley), 1988
Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Oakley):

Depth	Formation	Age	Lithology
-2752			

Well Index Identification: MS8

Name: Shell Oil Co./#1 P.F. Johnson and others Unit
County: Marshall
Location: 34.6053, -89.5446 (NW sec 32 T5S R3W)
Ground Level: 380
Total Depth: -3624
Completion Date: 9-10-55
Data Source(s): Glick, p.c.; State records, 1988
Remarks:

Drill-Hole Type: O&G

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-2030		Mississippian	shale
-2275		Mississippian	limestone
-2365		Mississippian	shale
		Devonian	chert
		Silurian	red shale
-3075		Silurian	sandstone
-3083		Silurian	red shale
-3088		Ordovician	limestone
-3111		Ordovician	shale
-3119		Ordovician	chert
-3151		Ordovician	limestone
-3249		Ordovician	shale
-3256		Ordovician	limestone
-3295		Ordovician	shale
-3309		Ordovician	oolite
-3320		Ordovician	limestone
-3520		Ordovician	dolomite

Well Index Identification: MS9

Name: Sinclair Oil and Gas/#1 E.E. Moore
 County: Tate
 Location: 34.5795, -90.1492 (C NE sec 9 T6S R9W)
 Ground Level: 245df
 Total Depth: -3332
 Completion Date: 4/62
 Data Source(s): Glick, p.c.; State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Oakley):

Depth	Formation	Age	Lithology
-3279			

Well Index Identification: MS10

Name: #2 ?
 County: Tate
 Location: 34.6091, -90.1391 (NE NW sec 34 T5S R8W)
 Ground Level: 215
 Total Depth: *
 Completion Date:
 Data Source(s): Glick, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-2975			

Well Index Identification: MS11

Name: H.L. Cullet/#1 L.R. Nabors
 County: Union
 Location: 34.4290, -88.9362 (SW SW NE sec 36 T7S R3E)

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Ground Level: 417df
 Total Depth: -1197
 Completion Date: 1953
 Data Source(s): Glick, p.c.; State records (Oakley), 1991
 Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-685		Devonian	
-1203		Silurian	
-1432		Ordovician	
-1850	Knox Group?	Ordovician	

Paleozoic Surface Data (Oakley):

Depth	Formation	Age	Lithology
-673		Devonian	

Well Index Identification: MS12

Name: Gulf Refining Co./#1 B. Basden and others

County: Union

Location: 34.4589, -88.8067 (SE sec 20 T7S R5E)

Ground Level: 365

Total Depth: -4647

Completion Date: 9/24/54

Data Source(s): Glick, p.c.; State records (Oakley), 1988

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Oakley):

Depth	Formation	Age	Lithology
-365		Devonian	
-945		Silurian	
-1078		Ordovician	
-1502			dolomite
-3820?	Knox Group	Ordovician?	

Well Index Identification: MS13

Name: W.H. Pine/#1 E. Poynter

County: Panola

Location: 34.4843, -89.9053 (SW SW sec 17 T7S R7W)

Ground Level: 380df

Total Depth: -3959

Completion Date: 1/28/56

Data Source(s): Glick, p.c.; State records (Oakley), 1991

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-2710		Devonian	
-2960		Silurian	
-3125		Ordovician	

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Paleozoic Surface Data (Oakley):

Depth	Formation	Age	Lithology
-2630		Devonian	

Well Index Identification: MS14

Name: Adams Oil and Gas Co./Lewellen #1 (MGS log # 5761)

County: Lafayette

Location: 34.2284, -89.3125 (NE NW NW sec 9 T10S R1W)

Ground Level: 436

Total Depth: -3748 (sandy dolomite)

Completion Date: 12/4/39

Data Source(s): Missouri State Geological records (Bohm, p.c., 1991)

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (MSG):

Depth	Formation	Age	Lithology
-1345?		Pennsylvanian	
-1910?		Mississippi	
-2110?		Devonian-Silurian	
-3116?		Silurian	
-3270?		Ordovician	

Paleozoic Surface Data (Oakley):

Depth	Formation	Age	Lithology
-1419		Mississippian?	

Well Index Identification: MS15

Name: Alcorn Petroleum Co./#1 Matthews

County: Alcorn

Location: 34.9114, -88.5260 (SE SE sec 14 T2S R7E)

Ground Level: 424

Total Depth: -2246?

Completion Date: 1/9/30

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+119		Devonian	
-226		Silurian	
-351	Trenton Group	Ordovician	

Well Index Identification: MS16

Name: Pan American Petroleum Corp./#1 J. Gates Unit

County: Calhoun

Location: 34.0332, -89.1581 (SW NE sec 14 T12S R1E)

Ground Level: 300df

Total Depth: -3903

Completion Date: 12/2/63

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-2650	Millerella	Mississippian	
-3790		Devonian	

Well Index Identification: MS17

Name: Sinclair Oil Co./#1 Epperson

County: Chickasaw

Location: 34.0358, -88.9357 (SE SE NW sec 13 T12S R3E)

Ground Level: 429df

Total Depth: -2531

Completion Date: 5/11/53

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-903?		Mississippian	
-906	Chester	Mississippian	
-1283	Millerella	Mississippian	
-1443	Sanders	Mississippian	
-2029	Evans	Mississippian	
-2237	Lewis	Mississippian	
-2307	Tiscumbia	Mississippian	
-2458	St. Joe	Mississippian	
-2476		Devonian	

Well Index Identification: MS18

Name: D.J. Simmons/#1 USA

County: Chickasaw

Location: 34.0621, -88.7861 (C NW NW sec 9 T12S R5E)

Ground Level: 37ldf

Total Depth: -2340

Completion Date: 4/67

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-796		Pennsylvanian	
-1005		Mississippian	
-1316	Millerella	Mississippian	
-1458	Carter	Mississippian	
-1607	Sanders	Mississippian	
-2091	Evans	Mississippian	
-2302	Lewis	Mississippian	

Well Index Identification: MS19

Name: W. Seitz and W. Lolly (O.W. Killiam)/#1 B. Adams

County: Itawamba

Location: 34.3441, -88.3624 (NE NE NE sec 33 T8S R9E)

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Ground Level: 400df?
 Total Depth: -847?
 Completion Date: 5/11/64
 Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+50?			
-450?	Rea Sand		
-540?	Evans Sand		
-730?	Lewis Sand		
-770	Iowa		

Well Index Identification: MS20

Name: G.C. Grasty/#1 Kentucky Lumber Co.

County: Itawamba

Location: 34.2358, -88.2852 (C N1/2 SE sec 7 T10S R10E)

Ground Level: 349df

Total Depth: -1445

Completion Date: 1939

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+181		Mississippian	
-291	Bangor Limestone	Mississippian	
-501	Hartselle	Mississippian	
-796	Bethel	Mississippian	

Well Index Identification: MS21

Name: Williams and Holloway Enterprises/#1 L.F. Pierce and others

County: Itawamba

Location: 34.2229, -88.3454 (NE SE sec 15 T10S R9E)

Ground Level: 461df

Total Depth: -1102

Completion Date: 10/55

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-889	Evans	Mississippian	
-1051	Lewis	Mississippian	

Well Index Identification: MS22

Name: W. Sistrunk/#1 O.H. Evans

County: Itawamba

Location: 34.1317, -88.3641 (NE NE sec 16 T11S R9E)

Ground Level: 295

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Total Depth: -1699
 Completion Date: 4/9/50
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-1468	Tuscumbia		Mississippian

Well Index Identification: MS23
 Name: W.H. Pine/#1 E. Little
 County: Itawamba
 Location: 34.1943, -88.5230 (C NW NE sec 24 T10S R7E)
 Ground Level: 323
 Total Depth: -1347 (Mississippian)
 Completion Date: 3/26/56
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-162			
-263		Mississippian	
-337	Millerella	Mississippian	
-477	Carter	Mississippian	
-952	Evans	Mississippian	
-1151	Lewis	Mississippian	
-1227	Iowa	Mississippian	

Well Index Identification: MS24
 Name: E.T. Nichols and others/#1 E.C. Mattox
 County: Itawamba
 Location: 34.1951, -88.4216 (NW NE sec 24 T10S R8E)
 Ground Level: 275
 Total Depth: -1227
 Completion Date: 3/19/55
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-965	Evans	Mississippian	
-1115	Lewis	Mississippian	
-1215	Iowa	Mississippian	

Well Index Identification: MS25
 Name: D.M. Lee/#1 L.M. Gilliland
 County: Itawamba
 Location: 34.1763, -88.2208 (SE SE sec 35 T10S R10E)
 Ground Level: 428

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Total Depth: -1299
 Completion Date: 2/7/54
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+108			
-1262	Tuscumbia limestone	Mississippian	

Well Index Identification: MS26

Name: W.E. Sistrunk/#1 Gilmore-Puckett Lumber Co.

County: Itawamba

Location: 34.1445, -88.4463 (NW NW SW sec 10 T11S R8E)

Ground Level: 350df

Total Depth: -1502

Completion Date: 6/10/53

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
* .			
-682	Carter	Mississippian	
-1262	Evans	Mississippian	
-1440	Lewis	Mississippian	
-1530	Iowa	Mississippian	

Well Index Identification: MS27

Name: J.P. Evans and others/#1 Whiteside

County: Lee

Location: 34.3024, -88.5701 (NE NE SW sec 16 T9S R7E)

Ground Level: 411

Total Depth: -2796

Completion Date: 1928

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-107			

Well Index Identification: MS28

Name: W.M. Smith/#1 J.C. Westmoreland

County: Lee

Location: 34.2215, -88.5701 (SW SW SW sec 16 T10S R7E)

Ground Level: 370

Total Depth: -1439

Completion Date: 1948

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+15		Mississippian	
-878	Cypress	Mississippian	
-1056	Hartselle	Mississippian	
-1125	Tuscumbia	Mississippian	
-1198	Mississippian chert	Mississippian	
-1330	Ft. Payne Unit	Mississippian	

Well Index Identification: MS29

Name: J.F. Michael/#1 Temple Harmon Unit
County: Lee
Location: 34.1411, -88.5875 (NW NW sec 8 T11S R7E)
Ground Level: 341df
Total Depth: -1420
Completion Date: 8/12/50
Data Source(s): State records (Oakley), 1991
Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-158			

Well Index Identification: MS30

Name: R.A. Ellison/#1 W.H. Neely
County: Lee
Location: 34.0986, -88.7874 (C NE SW sec 28 T11S R5E)
Ground Level: 315kb
Total Depth: -3966 (Ordovician?, Knox Group, dolomite)
Completion Date: 9/21/53
Data Source(s): State records (Oakley), 1991
Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-635		Pennsylvanian	

Well Index Identification: MS31

Name: P.V. McAlpine/#1 Cowart
County: Monroe
Location: 34.0689, -88.3225 (NE NE SW sec 2 T12S R9E)
Ground Level: 342
Total Depth: -3453
Completion Date: 1932
Data Source(s): State records (Oakley), 1991
Remarks:

Drill-Hole Type:

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+149	Pennington	Mississippian	
-508	Bangor	Mississippian	
-833	Hartselle	Mississippian	
-940	Ft. Payne	Mississippian	
-1273	Mississippian chert	Mississippian	

Well Index Identification: MS32

Name: J. Daniel, C.C. Murray, Jr./#1 A.L. Lowery

County: Monroe

Location: 34.0556, -88.6388 (C SW SW SW sec 11 T12S R6E)

Ground Level: 299 (306df)

Total Depth: -1688

Completion Date: 12/2/64

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-433		Pennsylvanian	
-885		Mississippian	
-1279	Millerella	Mississippian	
-1425	Carter hone	Mississippian	
-1448	Carter sand	Mississippian	
-1583	Sanders	Mississippian	

Well Index Identification: MS33

Name: L.E. Salmon/#1 S.A. Graddy

County: Pontotoc

Location: 34.3389, -89.0427 (SE SE sec 36 T8S R2E)

Ground Level: 403df

Total Depth: -2317

Completion Date: 1/25/57

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-927			

Well Index Identification: MS34

Name: L.E. Salmon/#1 C.E. Andrews

County: Pontotoc

Location: 34.3253, -89.0692 (SE SE SW sec 3 T9S R2E)

Ground Level: 403 (412df)

Total Depth: -5326

Completion Date: 7/20/55

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-909		Mississippian?	
-1058	Iowa	Mississippian	
-1181	Chattanooga	Mississippian	
-1192		Devonian	ls and chert
-1648?		Silurian	
-2034	Wayne	Silurian	
-2042		Ordovician	
-2433	Knox Group	Ordovician?	dolomite

Well Index Identification: MS35

Name: L.E. Salmon/#1 J.B. Henderson
 County: Pontotoc
 Location: 34.3042, -88.9765 (SW SE sec 15 T9S R3E)
 Ground Level: 484df
 Total Depth: -2474 (Ordovician)
 Completion Date: 11/9/56
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-706	Lower Chester	Mississippian	
-736	Lewis	Mississippian	
-881	Iowa	Mississippian	
-1058	Chattanooga	Mississippian	
-1063		Devonian	ls and chert
-1166	Clear Creek chert	Devonian	
-1566	Brownsport?	Silurian?	
-1831	Wayne	Silurian?	
-2266	Patterson	Ordovician	

Well Index Identification: MS36

Name: L.E. Salmon/#1 Wilson Estate
 County: Pontotoc
 Location: 34.2639, -89.0085 (SW NW NW sec 29 T9S R3E)
 Ground Level: 459 (470df)
 Total Depth: -4046 (Mississippian)
 Completion Date: 11/6/54
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-827			

Well Index Identification: MS37

Name: O.W. Killiam/#1 Mrs. M.H. Clayton (#1 T.R. Hall)
 County: Pontotoc
 Location: 34.2307, -88.9205 (C SW NW sec 7 T10S R4W)
 Ground Level: 481df

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Total Depth: -1904
 Completion Date: 4/23/53
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-535		Pennsylvanian	
-687	Chester	Mississippian	
-783	Millerella	Mississippian	
-933	Carter-Sanders	Mississippian	
-1342	Rea Sand	Mississippian	
-1536	Evans	Mississippian	
-1753	Lewis	Mississippian	
-1869	Iowa	Mississippian	

Well Index Identification: MS38
 Name: S.A. Colbertson, Jr./#1 L.J. Lyon (#1 E. Hale)
 County: Pontotoc
 Location: 34.2388, -88.9684 (NW SE sec 3 T10S R3W)
 Ground Level: 530df
 Total Depth: -1704
 Completion Date: 9/11/43
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-725			

Well Index Identification: MS39
 Name: L.E. Salmon/#1 R. Patterson
 County: Pontotoc
 Location: 34.1070, -89.1989 (NW SE sec 21 T11S R1E)
 Ground Level: 350kb
 Total Depth: -5564
 Completion Date: 8/26/56
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1302		Pennsylvanian	
-3777	Lewis	Mississippian	

Well Index Identification: MS40
 Name: Southern States Oil Co./#1 Houston 35-8
 County: Pontotoc
 Location: 34.0887, -88.8509 (C NW SE NE sec 35 T11S R4E)
 Ground Level: 348df
 Total Depth: -2110
 Completion Date: 9/22/63

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-1017	Millerella	Mississippian	
-1180	Carter	Mississippian	
-1486	Abnernathy	Mississippian	
-1823	Evans	Mississippian	
-1992	Lewis	Mississippian	
-2070	Tuscumbia	Mississippian	

Well Index Identification: MS41

Name: Texaco, Inc./#1 E.G. Stokes

County: Pontotoc

Location: 34.3568, -88.9910 (SE NW sec 28 T8S R3E)

Ground Level: 454df

Total Depth: -1759

Completion Date: 10/5/63

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-851			
-1404		Silurian	
-1756	Trenton Limestone	Middle Ordovician	

Well Index Identification: MS42

Name: J.F. Michael and VanDresser Drilling Co./#1 B. Knight

County: Prentiss

Location: 34.6617, -88.7102 (C NE NW sec 7 T5S R6E)

Ground Level: 547df

Total Depth: -2067

Completion Date: 5/22/55

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-183			
-328			chert
-588		Devonian	chert
-633		Silurian	
-783		Ordovician	
-1293			dolo-lime

Well Index Identification: MS43

Name: Home Development Co. /#1 A. Allen

County: Prentiss

Location: 34.4879, -88.3829 (NE NW SE sec 8 T7S R9E)

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Ground Level: 270
 Total Depth: *
 Completion Date: 3/11/59 (data permitted)
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+8	Hartselle	Mississippian	
-140	Casper	Mississippian	
-182	Bethel	Mississippian	
-206	St. Joe	Mississippian	
-247	Warsaw	Mississippian	
-325	Ft. Payne	Mississippian	
-700	Knox Group?	Ordovician?	

Well Index Identification: MS44
 Name: OGG and Clark/#1 Buckhalter
 County: Tallahatchie
 Location: 34.0922, -89.9671 (S1/2 EE SW sec 27 T26S R3E)
 Ground Level: 355df
 Total Depth: -4432
 Completion Date: 6/13/45
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-2920		Pennsylvanian	

Well Index Identification: MS45
 Name: E.R. Owen and others/Davis-Veazy Unit #1
 County: Tate
 Location: 34.7484, -89.8731 (NW NW SW sec 11 T4S R7W)
 Ground Level: 269df
 Total Depth: -2751
 Completion Date: 10/20/44
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-2919			

Well Index Identification: MS46
 Name: Levanson Akers/#1 J.D. Whittaker
 County: Tishomingo
 Location: 34.8067, -88.2213 (NW NW sec 23 T3S R10E)
 Ground Level: 613df
 Total Depth: -1691
 Completion Date: 8/28/45
 Data Source(s): State records (Oakley), 1991

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+313		Devonian	
+83		Silurian-Devonian	
-397		Upper-Middle Devonian	
-1107		Upper-Middle Ordovician	

Well Index Identification: MS47

Name: Tishomingo Development Co./J.M. Russell #1

County: Tishomingo

Location: 34.7635, -88.2359 (SW NW SE sec 3 T4S R10E)

Ground Level: 560df

Total Depth: -954

Completion Date: 2/24/47 (data permitted)

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+220		Mississippian	
-149		Devonian	
-260		Silurian	
-590		Ordovician	

Well Index Identification: MS48

Name: Mississippi Oil and Refining Co./#1 Southward-M. Morgan

County: Tishomingo

Location: 34.6461, -88.1817 (C NE sec 18 T5S R11E)

Ground Level: 499df

Total Depth: -2376

Completion Date: 1923

Data Source(s): State records (Oakley), 1991

Remarks: Well logs can be found in MSGS Bulletins 23 and 201, and USGS Bulletin 781A.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+495~	Bethel sandstone	Mississippian	
+419	St Genevieve	Mississippian	
+399	Warsaw	Mississippian	
+49	Ft. Payne	Mississippian	
-131	Chattanooga	Mississippian-Devonian	
-191	Brownsport	Silurian	

Well Index Identification: MS49

Name: Mrs. M.T. Maury and others/#1 Joslin May-Star

County: Tishomingo

Location: 34.4758, -88.2885 (NW NW SE sec 18 T7S R10E)

Ground Level: 388

Total Depth: -1834

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Completion Date: 4/20/65

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+208	Hartselle Sand	Mississippian	

Well Index Identification: MS50

Name: Richardson Oils, Inc./#1 A. Robbins

County: Union

Location: 34.4106, -89.1826 (C SE SW sec 3 T8S R1E)

Ground Level: 409

Total Depth: -3068

Completion Date: 10/22/53

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1323			

Well Index Identification: MS51

Name: American Petroleum Corp./#1 W.V. Moore

County: Yalobusha

Location: 34.0049, -89.9150 (sec 30 T25S R4E)

Ground Level: 380df

Total Depth: -3510

Completion Date: 3/62

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
* -3000			igneous

Well Index Identification: MS52

Name: Southern States Oil Co./#1 Okolona Unit 29-10

County: Monroe

Location: 34.0153, -88.6890 (C S1/2 NW SE sec 29 T12S R6E)

Ground Level: 326df

Total Depth: -1925

Completion Date: 10/62

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-1549	Millerella	Mississippian	
-1682	Carter	Mississippian	
-1797	Sanders	Mississippian	

Well Index Identification: MS53

Name: Southern States Oil Co./#1 Okolona Unit 28-5

County: Monroe

Location: 34.0159, -88.6730 (C NE SW sec 28 T12S R6E)

Ground Level: 339

Total Depth: -1916

Completion Date: 7/62

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-1212		Mississippian	
-1613	Millerella	Mississippian	
-1725	Carter	Mississippian	
-1866	Sanders	Mississippian	

Well Index Identification: MS54

Name: Sustiss Means Oil Co./#A-1 J.W. Clarke

County: Chichasaw

Location: 34.0250, -89.1179 (SW SW sec 19 T12S R2E)

Ground Level: 351df

Total Depth: -3713

Completion Date: 1957

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1277	Pottsville	Pennsylvanian	
-2559	Chester	Mississippian	
-2887	Millerella	Mississippian	
-3007	Abernathy	Mississippian	
-3354	Evans Sand	Mississippian	
-3661	Iowa	Mississippian	

Well Index Identification: MS55

Name: Gulf Oil Corp./#1 Reid 26-15

County: Calhoun

Location: 34.0081, -89.1592 (SW SE sec 26 T12S R1E)

Ground Level: 473

Total Depth: -3867

Completion Date: 10/60

Data Source(s): State records (Oakley), 1991

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-1997		Mississippian	
-2434	Millerella	Mississippian	
-2621	Carter Sand	Mississippian	
-2920	Gas Sand	Mississippian	
-3187	Evans Sand	Mississippian	

Well Index Identification: MS56

Name: Carter oil Co./#1 T.G. Abernathy

County: Chickasaw

Location: 34.0117, -88.7972 (SW SW sec 29 T12S R5E)

Ground Level: 350

Total Depth: -3144

Completion Date: 3/42

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-736		Pennsylvanian	
-1293		Mississippian	
-1398	Bangor	Mississippian	
-1708	Hartselle	Mississippian	
-1924	Solconda	Mississippian	
-2058	Cypress	Mississippian	
-2326	Casper	Mississippian.	
-2548	Bethel	Mississippian	
-2596	Tuscumbia	Mississippian	
-2756	Ft. Payne	Mississippian	

Well Index Identification: MS57

Name: Davidor and Davidor/#1 Gladney

County: Chickasaw

Location: 34.0230, -88.8351 (SW NW SW sec 24 T12S R4E)

Ground Level: 356df

Total Depth: -2300

Completion Date: 7/52

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-679		Pennsylvanian?	
-984		Mississippian	
-1264	Chester	Mississippian	
-1339	Tar Springs	Mississippian	
-1414	Hartselle	Mississippian	
-1654	Solconda	Mississippian	
-2064	Cypress	Mississippian	
-2229	Casper	Mississippian	
-2269	Bethel	Mississippian	
-2279	Tuscumbia	Mississippian	

Well Index Identification: MS58

Name: Union Production Co./#1 Dinsmore

County: Chickasaw

Location: 34.0212, -88.9352 (C NW SW sec 28 T12S R3E)

Ground Level: 422df

Total Depth: -4025

Completion Date: 10/13/52

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1000	Pottsville	Pennsylvanian	
-2263		Mississippian	
-2560	Millerella	Mississippian	
-2698	Carter	Mississippian	
-2752	Bangor	Mississippian	
-3268	Evans	Mississippian	
-3467	Lewis	Mississippian	
-3522	St. Genevieve	Mississippian	
-3552	Tuscumbia	Mississippian	
-3722	St. Joe	Mississippian	
-3728		Devonian	

Well Index Identification: MS59

Name: F.P. Jordan/#1 Burdine

County: Itawamba

Location: 34.1320, -88.3640 (NW NE SE sec 16 T11S R9E)

Ground Level: 285df

Total Depth: -1226

Completion Date: 6/10/45

Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+45			

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Well Index Identification: MS60
 Name: Southern States Oil Co./#1 Okolona Unit 29-7
 County: Monroe
 Location: 34.0150, -88.6890 (C N1/2 SW NE sec 29 T12S R6E)
 Ground Level: 325df
 Total Depth: -2537
 Completion Date: 7/16/62
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-1535	Millerella	Mississippian	
-1669	Carter Sand	Mississippian	
-1783	Sanders	Mississippian	
-2308	Evans	Mississippian	
-2475	Lewis	Mississippian	

Well Index Identification: MS61
 Name: A.W. Hutchings/#1 W.C. Stone, Jr.
 County: Chickasaw
 Location: 34.0120, -88.7972 (SE SE SW sec 29 T12S R5E)
 Ground Level: 378df
 Total Depth: -2129
 Completion Date: 1/46
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-684			

Well Index Identification: MS62
 Name: Davidor and Davidor/#1 H.B. Carter
 County: Chickasaw
 Location: 34.0230, -88.8350 (SE SW sec 24 T12S R4E)
 Ground Level: 344 (347df)
 Total Depth: -2740
 Completion Date: 2/47
 Data Source(s): State records (Oakley), 1991
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-721		Pennsylvanian?	
-1996		Mississippian	

Well Index Identification: MS63
 Name: W.L. Stewart and others/#1 Dr. A.E. Russell
 County: Lafayette
 Location: 34.2284, -89.3125 (E1/4 SW sec 9 T10S R1W)

TABLE 6A.--Mississippi Embayment drill holes to the Paleozoic surface located in Mississippi--Continued

Ground Level: 462
Total Depth: -2003
Completion Date: 2/37
Data Source(s): State records (Oakley), 1991

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1403			

TABLE 7A.-- Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee

[All personal communication references (p.c.) are dated 1988 unless otherwise stated]

Well Index Identification: TN1

Name: Henderson Oil Co./#1 J. Fields (MGS log # 6041)

County: Dyer

Location: 36.0042, -89.5715 (SE NE sec 25 T6S R1W)

Ground Level: 260

Total Depth: -2972 (Cambrian, Bonneterre)

Completion Date: 9-30-39

Data Source(s): Grohskopf, 1955; Glick, p.c.; Milhous, 1959; State listing; MGS well files

Remarks: Milhous describes geology and gives total depth at -2989.

State listings have total depth at -2980 in Ordovician Age rock.

Drill-Hole Type: O&G

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-2507		Ordovician?	limestone

Well Index Identification: TN2

Name: Lazarov & Robilo Oil Co./#1 Beasley

County: Fayette

Location: 35.0210, -89.2480 (NW NW SW sec 16 T1S R4E)

Ground Level: 405?

Total Depth: -1362

Completion Date: 1950

Data Source(s): Milhous, 1959; Glick, p.c.

Remarks: Milhous describes geology, Pz surface may be hard limestone at -1562.

Drill-Hole Type: O&G

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-1358?			

Well Index Identification: TN3

Name: Henderson Oil Co./J.E Rice (Broadmoor) #1 (MGS log # 5830)

County: Dyer

Location: 36.1896, -89.4484 (SE NE SW sec 22 T4S R1E)

Ground Level: 260

Total Depth: -2665 (Cambrian, Bonneterre?)

Completion Date: 12-39

Data Source(s): Milhous, 1959; Glick, p.c.; State listing: Grohskopf, 1955

Remarks: Milhous describes geology, Milhous has ground surface at 277 and total depth at -2615.

Drill-Hole Type: O&G

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-2290			limestone

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Well Index Identification: TN4

Name: Hay-Fay Oil Co./#1 B. Morrison

County: Fayette

Location: 35.2883, -89.2687 (C W1/2 NW sec 11 T15S R3E)

Ground Level: 411

Total Depth: -2294

Completion Date: 1935

Data Source(s): Milhous, 1959; Glick, p.c.

Remarks: Milhous describes geology, Pz surface maybe hard limestone at -1548.

Drill-Hole Type: O&G

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-1582			limestone

Well Index Identification: TN5

Name: USGS & Tennessee Division of Geology/T-1-F

County: Fayette

Location: 35.3678, -89.5541 (NW NW SW sec 13 T14S R1W)

Ground Level: 318

Total Depth: -2264 (Ordovician)

Completion Date: 8-9-49

Data Source(s): Milhous, 1959; Glick, p.c.; State listing

Remarks: Milhous describes geology.

Drill-Hole Type: ET

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-2214			ls(dolo)

Well Index Identification: TN6

Name: Nance & Vivadelli/#1 J.B. Donaldson

County: Hardeman

Location: 36.2108, -88.8389 (SE SW NW sec 10 T16S R8E)

Ground Level: 357

Total Depth: -3423

Completion Date: 1951

Data Source(s): Milhous, 1959; Hoyal, p.c.; Glick, p.c.; State listing

Remarks: Milhous describes geology. This drill hole could be the Norris and Madison #1 Donaldson well, both wells have the same location, Completion date, ground elevation and total Depth.

Drill-Hole Type:

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-673	Knox Group (Eminence-Potosi?)	Cambrian?	dolomite

Well Index Identification: TN8

Name: C.L. McGuire/#1 J.B. Moore

County: Haywood

Location: 35.4105, -89.2931 (sec 23 T13S R3E)

Ground Level: 445

Total Depth: -1735 (Ordovician)

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Completion Date: 3-45
 Data Source(s): Hoyal, p.c.; Glick, p.c.; Crone, p.c.; State listing
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-1675			

Well Index Identification: TN10

Well Name: E.R. Henderson/#1-B J.H. Jarrett

County: Haywood

Location: 35.5822, -89.2539 (NW SW sec 5 T12S R4E)

Ground Level: 417

Total Depth: -3785 (pre-Stones River)

Completion Date: 1936

Data Source(s): Milhous, 1959; Hoyal, p.c.; Glick, p.c.; Crone, p.c., State listing

Remarks: Milhous describes geology. In 1934 the Jarret #1-A well (not plotted) was drilled at this location and had a total Depth of -1833.

Drill-Hole Type:

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-1739		Ordovician?	hard ls
-2058	Stones River Group	Ordovician?	chert-ls
-2533	Knox Group	Cambrian	chert-ls

Well Index Identification: TN11

Name: Corley, Geiselman & Benz/#1 J.E. Vaughan (MGS log # 12217?)

County: Lake

Location: 36.2572, -89.4642 (SW SW sec 23 T3S R1E)

Ground Level: 280

Total Depth: -2310 (Cambrian, Lamotte)

Completion Date: 2-25-53

Data Source(s): Milhous, 1959; Crone, p.c.; Hoyal, p.c.; Glick, p.c.; State listing; MGS well files

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-2157	Lamotte?	Cambrian?	

Well Index Identification: TN12

Name: Frazier & Benz/#1-B S. Hays

County: Lake

Location: 36.2749, -89.4697 (NE? SE sec 17 T3S R1E)

Ground Level: 293

Total Depth: -1970 (Ordovician, sandstone)

Completion Date: 11-53

Data Source(s): Hoyal, p.c.; Crone, p.c.; State listing, State Bulletin 76; Glick, p.c.

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Remarks: The Hays #1-A well (not plotted) was drilled at this location. It was completed in September of 1953 with a total Depth of -1972. Six feet of core was taken.

Drill-Hole Type:

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-1965?		Ordovician?	

Well Index Identification: TN13

Name: Henderson Oil Co./A.E. Markham #1 (MGS log # 6996)

County: Lake

Location: 36.3492, -89.4249 (NE NW NE sec 21 T2S R1E)

Ground Level: 305

Total Depth: -3685? (Cambrian, Lamotte?, sandstone)

Completion Date: 1939

Data Source(s): Milhous, 1959; Glick, p.c.; Crone, p.c.; Schwalb, 1982; Grohskopf, 1955; State listing

Remarks: Igneous dikes in Paleozoic section. Milhous and Grohskopf describe geology. Milhous has ground surface at 301. Dikes in the Cambrian section (Caplan, 1954); K/AR dated at 267±8 Ma (Precambrian) by Zartman (1977).

Drill-Hole Type:

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-1925			hard ls-sh

Well Index Identification: TN14

Name: Henderson Oil Co./#1-A L. Morris (MGS log # 5143)

County: Lake

Location: 36.2823, -89.4680 (C NE sec 17 T3S R1E)

Ground Level: 298

Total Depth: -2285 (Cambrian, Bonnetterre?)

Completion Date: 1937

Data Source(s): Milhous, 1959; Glick, p.c.; Grohskopf, 1955; Hoyal, p.c.; State listing.

Remarks: Milhous describes geology. Igneous rocks in Paleozoic section (-2574 to -2585, -2651 to -2660, and -2743 to -2783). Milhous has ground surface at 303. The L. Morris #1-B, #1-C and #1-D wells (not plotted) were drilled at this location in 1937 and 38. The #1-C well had a total depth of -2825 ft.

Drill-Hole Type: O&G

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-2255	Bonnetterre?	Cambrian	limestone

Well Index Identification: TN15

Name: USGS/Ft. Pillow Test

County: Lauderdale

Location: 35.6454, -89.7957 (SE NW sec 6 T11S R4W)

Ground Level: 437

Total Depth: -2748 (Ordovician, Knox Group?)

Completion Date: 11-5-65

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Data Source(s): Hoyal, p.c.; Moore & Brown, 1969; Glick, p.c.; State listing; State Bulletin 76; Alberstadt and Repetsky, 1989.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Bulletin 76):

Depth	Formation	Age	Lithology
-2706	Knox Group?	Lower Ordovician	limestone

Well Index Identification: TN16

Name: Reelfoot Dome Oil Co./#1 K. Wright

County: Lake

Location: 36.4213, -89.4476 (NW NW NW sec 22 T1S R1E)

Ground Level: 307

Total Depth: -1768 (Ordovician)

Completion Date: 1920

Data Source(s): Milhous, 1959; State listing; Grohskopf, 1955; Glick, p.c.

Remarks: Milhous describes geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-1667			limestone

Well Index Identification: TN17

Name: R. Gear/#1 T.A. Lee

County: Lauderdale

Location: 35.8214, -89.4025 (NE NW SE sec 5 T9S R2E)

Ground Level: 329

Total Depth: -2486 (Ordovician?)

Completion Date: 1940

Data Source(s): Milhous, 1959; Hoyal, p.c.; Glick, p.c.; State listing

Remarks: Milhous describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-2319		Lower Ordovician	dolomite

Well Index Identification: TN18

Name: Pure Oil Co./#1 C.W. Gray

County: Lauderdale

Location: 35.8602, -89.4058 (C NW NE sec 16 T8S R2E)

Ground Level: 303

Total Depth: -2995 (Cambrian, Knox Group)

Completion Date: 6-10-41

Data Source(s): Milhous, 1959; Hoyal, p.c.; Glick, p.c.; State listing

Remarks: Milhous describes geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-2277	Knox Group	Cambrian	dolo-ls

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Well Index Identification: TN19

Name: USGS and Tennessee Division of Geology/T-1-M

County: Madison

Location: 35.6997, -88.6298 (NW NE SW sec 13 T10S R11E)

Ground Level: 570

Total Depth: -536 (Ordovician)

Completion Date: 6-10-49

Data Source(s): Milhous, 1959; Hoyal, p.c.; State listing; Glick, p.c.

Remarks: Milhous describes geology.

Drill-Hole Type: ET

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-502			hard ls-dolo.

Well Index Identification: TN20

Name: R. Gear/#1 Dyer Bros. (MGS log # 5808)

County: Lauderdale

Location: 35.8777, -89.3661 (NW NW NW sec 12 T8S R2E)

Ground Level: 270

Total Depth: -2942 (Cambrian-Ordovician, Knox Group)

Completion Date: 1939

Data Source(s): Milhous, 1959; Crone, p.c.; Knox data tabulation; Glick, p.c.; State listing

Remarks: Igneous intrusives present (lamporphyre). Milhous describes geology, Pz surface maybe hard limestone at -2405.

Drill-Hole Type:

Paleozoic Surface Data (Glick):

Depth	Formation	Age	Lithology
-2231			

Well Index Identification: TN21

Name: Henderson Oil Co./#1 F.B. Carroll (MGS log # 5141)

County: Obion

Location: 36.2662, -89.3568 (SE SE SW sec 19 T3S R2E)

Ground Level: 465

Total Depth: -2953 (Cambrian, Bonneterre)

Completion Date: 1936

Data Source(s): Milhous, 1959; Glick, p.c.; Crone, p.c.; Hoyal, p.c.; Grohs., 1955; State listing.

Remarks: Milhous describes geology. Igneous rocks in Paleozoic section (-2825 to -2849 and -2945 to -2953).

Drill-Hole Type: O&G

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-2225			sandstone

Well Index Identification: TN22

Name: USGS and Tennessee Division of Geology/T-2-M

County: Madison

Location: 35.7037, -88.6289 (SW NW sec 11 T11S R8E)

Ground Level: 351

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Total Depth: -958 (Ordovician)
 Data Source(s): Glick, p.c.; Milhous, 1959; Hoyal, p.c.; State listing
 Completion Date: 9-30-49
 Remarks: Milhous describes geology.
 Drill-Hole Type: ET

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-919			ls(dolo)

Well Index Identification: TN23
 Name: E.R. Owen/#1 Crumpler
 County: Shelby
 Location: 35.0088, -89.8738 (NW NW SE sec 21 T18S T5W)
 Ground Level: 390
 Total Depth: -2685 (Ordovician, Stones River Group)
 Data Source(s): Milhous, 1959; Glick, p.c.; state listing
 Completion Date: 1945
 Remarks: Milhous describes geology.
 Drill-Hole Type:

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-2649?		Ordovician	cryst. dolo

Well Index Identification: TN25
 Name: USGS & State of Tennessee/Test Hole T-18 Memphis State Univ.
 County: Shelby
 Location: 35.3619, -90.0331 (NE SE sec 19 T14S R7W)
 Ground Level: 390
 Total Depth: -3000 (Ordovician, Stones River Group)
 Data Source(s): Glick, p.c.; Knox data tabulation; State listing
 Completion Date: 10-14-69
 Remarks:

Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-2984			

Well Index Identification: TN26
 Name: Lion Oil Co./#1 L. Bateman (MGS log # 6866)
 County: Shelby
 Location: 35.2795, -89.8855 (NE SE SW sec 14 T15S R5W)
 Ground Level: 250
 Total Depth: -2615 (granite)
 Completion Date: 1941
 Data Source(s): Milhous, 1959; Glick, p.c.; State listing; Caplan, 1954; Hendricks, 1988
 Remarks: Milhous describes geology. Igneous rock present from -2470 ft to the bottom of the hole (Milhous). Normal syenite below the Cretaceous contact (Caplan).
 Drill-Hole Type: O&G

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-2470			granite

Well Index Identification: TN28

Name: Pure Oil Co./#1 R.R. McGregor (MGS log # 6225)

County: Tipton

Location: 35.6029, -89.6398 (SE SE SW sec 14 T11S R2W)

Ground Level: 270

Total Depth: -2483 (Ordovician)

Completion Date: 1940

Data Source(s): Milhous, 1959; Glick, p.c.; State listing; Hendricks, 1988

Remarks: Milhous describes geology. Weathered igneous rock associated with coarse-grained limestone at -2320 ft maybe Pz surface (Milhous). Normal syenite below the Cretaceous contact (Caplan).

Drill-Hole Type: O&G

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-2320?			igx rock-ls

Well Index Identification: TN30

Name: Gulf Oil Corp./#1-A Spinks Clay (MGS log # 25341)

County: Henry

Location: 36.3413, -88.5155 (SE sec 25 T2S R13E)

Ground Level: 482

Total Depth: -10266 (Cambrian, sandstone)

Completion Date: 12-29-67

Data Source(s): Hoyal, p.c.; Schwalb, 1982; Statler and others, 1975; Glick, p.c.; MGS well files State listing

Remarks: The Spinks Clay #1 well (not plotted) was drilled at this location. It was completed on 12-29-67 at a total Depth of -525 in Ordovician Age rock. Depth to the top of the Paleozoic section maybe as shallow as -581 ft (Hickman, p.c., 1991). Logs run: DIL, FDL/GR, SNP, T, CST, Continuous Flowmeter, and GRN (Hickman, p.c., 1991).

Drill-Hole Type: O&G

Paleozoic Surface Data (Hoyal):

Depth	Formation	Age	Lithology
-618?	Everton	Ordovician	
-1668?	Knox Group	Ordovician	
-4718?	Elvins Group?	Cambrian	
-6868?	Bonneterre	Cambrian	shale
-9516?	Lamotte?	Cambrian	sandstone

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Paleozoic Surface Data (MGS):

Depth	Formation	Age	Lithology
-589			
-858	St. Peter	Ordovician	red bed
-1148	Everton	Ordovician	
-1508	Smithville	Ordovician	
-2218	Powell (Knox)	Ordovician	
-2768	Cotter	Ordovician	
-3058	Jefferson City	Ordovician	
-3408	Roubidoux	Ordovician	
-3628	Gasconade	Ordovician	
-4394	Gunter	Ordovician	
-4628	Eminence?	Cambrian	
-4818	Potosi?	Cambrian	
-6972	Elvins Group (Derby)	Cambrian	
-7738	Stroke Shale (Davis equiv.)	Cambrian	siltstone
-8008	Linda Morris (Bonneterre equiv.)	Cambrian	
-10018	Vaughn Quartzite (Lamotte-Rome equiv.)	Cambrian	sandstone

Well Index Identification: TN32

Name: Benz Oil Co./#1 Marritt Estate

County: Lake

Location: 36.2426, -89.4562 (NE SE sec 3 T4S R1E)

Ground Level: 275

Total Depth: -5725 (Cambrian, sandstone)

Completion Date: 1966?

Data Source(s): Hoyal, p.c.; Glick, p.c.; Crone, p.c.; State listing; Schwalb, 1982.

Remarks: Igneous rocks in Paleozoic section; basaltic porphyry -3945 to -3992, felsite -4390 to -4444 (Glick).

Drill-Hole Type: O&G

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-2175	pre-Mt. Simon (pre-Lamotte)	Cambrian?	sandstone

Well Index Identification: TN33

Name: I.T. Johnson Oil Co./#1 S.J. Bradshaw (MGS log # 2717)

County: Obion

Location: 36.2245, -89.4363 (SE SW NE sec 10 T4S R1E)

Ground Level: 301

Total Depth: -2391 (Cambrian, Bonneterre)

Completion Date: 1932

Data Source(s): Statler and others, 1975; Crone p.c.; Grohskopf, 1955; Milhous, 1959; Glick, p.c.; State listing

Remarks: Milhous describes geology. Milhous has ground level at 301, total Depth at -2391 and a Completion date of 1933. Grohskopf gives the of this well as approximately -2797. A second #1 Bradshaw well (not plotted) was drilled in 1940 at this location by the Henderson Oil Co. with a total Depth of -2346.

Drill-Hole Type: O&G

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Paleozoic Surface Data (Grohskopf):

Depth	Formation	Age	Lithology
-2307?			

Well Index Identification: TN34

Name: Woweko Development Co./#1 V. Taylor
 County: Gibson
 Location: 36.1412, -89.0436 (sec 7 T5S N6E)
 Ground Level: 352
 Total Depth: -2550
 Completion Date:
 Data Source(s): Hoyal, p.c.
 Remarks: Geology from Hoyal log.
 Drill-Hole Type: O&G
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1868?			

Well Index Identification: TN35

Name: Ratliff Farms Inc./#1 Miller-Cole-Pettit
 County: Shelby
 Location: 35.2540, -90.0379 (sec 24 T15S R7W)
 Ground Level: 292
 Total Depth: -3701
 Completion Date:
 Data Source(s): Hoyal, p.c.
 Remarks:
 Drill-Hole Type:
 Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-3044?			

Well Index Identification: TN36

Name: Appalachian Oil & Gas/#1 Dr. B.F. Mitchell
 County: Shelby
 Location: 35.3015, -89.9674 (sec 15 T15S R6W)
 Ground Level: 300
 Total Depth: -8950
 Completion Date:
 Data Source(s): Hoyal, p.c.; State listing
 Remarks: Geology from Hoyal log. Igneous rocks in Paleozoic section.
 Drill-Hole Type: O&G
 Paleozoic Surface Data (Hoyal):

Depth	Formation	Age	Lithology
-2930	Knox Group	Ordovician	
-7250	Conasauga	Upper Cambrian	

Well Index Identification: TN38

Name: Maralo Inc./#1 Keiser
 County: Lake
 Location: 36.2529, -89.5189 (sec 22 T3S R1W)
 Ground Level: 274

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Total Depth: -2446
 Completion Date:
 Data Source(s): Hoyal, p.c.
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-2446			

Well Index Identification: TN39

Name: Maralo Inc./#1 Fuqua Estate

County: Lake

Location: 36.2982, -89.4446 (sec 14 T3S R1E)

Ground Level: 286

Total Depth: -2905

Completion Date: 1986

Data Source(s): Hoyal, p.c.

Remarks: Geology from Hoyal log. Top of Paleozoic is inferred from driller's log to be dolomite at approximately -1994 ft.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1994?			dolomite

Well Index Identification: TN40

Name: M.J. Kissick/#1 J.B. Claxton

County: Fayette

Location: 35.3615, -89.3494 (SE NE sec 19 T14S R2E)

Ground Level: 345

Total Depth: -3167

Completion Date: 1935

Data Source(s): Milhous, 1959

Remarks: Milhous describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1825			limestone

Well Index Identification: TN42

Name: Anderson & Kerr Drilling/#1-A P.P. Beasley

County: Fayette

Location: 35.0419, -89.2161 (C NW sec 13 T18S R4E)

Ground Level: 620

Total Depth: -1388

Completion Date: 1935

Data Source(s): Milhous, 1959; State listing

Remarks: Milhous describes geology. The Beasley #1-B well (not plotted) was also drilled at this location in 1935 with a total Depth of -1399.

Drill-Hole Type: O&G

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-1312	pre-Trenton?	Ordovician	limestone

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Well Index Identification: TN44

Name: Dyer Oil & Gas Co./#1 V. Holt

County: Gibson

Location: 36.0292, -88.9873 (SE NW SE sec 15 T6S R7E)

Ground Level: 319

Total Depth: -1791 (Ordovician?)

Completion Date: 1924

Data Source(s): Milhous, 1959; State listing

Remarks: Milhous describes geology. A second V. Holt #1 (not plotted) well was drilled at this location in 1951 with a total Depth of -2556 ft.

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1488?			shale

Well Index Identification: TN45

Name: Spring Creek Development Co./#1 E.B. Sain

County: Hardeman

Location: 35.1812, -89.0151 (NE sec 21 T16S R6E)

Ground Level: 392

Total Depth: -2818 (Ordovician, Knox Group)

Completion Date: 1921

Data Source(s): Milhous, 1959; State listing

Remarks: Milhous describes geology.

Drill-Hole Type: O&G

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-948			hard ss

Well Index Identification: TN47

Name: Barnwell Drilling Co./#1 Shinault

County: Fayette

Location: 35.2161, -89.3494 (SW SW sec 10 T16S R2E)

Ground Level: 430

Total Depth: -1670

Completion Date:

Data Source(s): Hoyal, p.c.

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1663		Ordovician	

Well Index Identification: TN48

Name: Big Chief Drilling Co./#1 H.H. Taylor

County: Gibson

Location: 36.0979, -89.0220 (NW SW sec 19 T5S R6E)

Ground Level: 381

Total Depth: -6784 (Precambrian, igneous rock)

Completion Date: 9-17-68

Data Source(s): Hoyal, p.c.; Glick, p.c.; Schwalb, 1982; State listing

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Remarks: Igneous rocks in Paleozoic section. This well may have been drilled by Gulf Oil Co. (M. McCracken). Logs run GR-FDC, DIL, CFM, HRT, BHC, and GR-N (Hickman, p.c., 1991).

Drill-Hole Type:

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-1839	Gasconade	Ordovician	
-1842	Knox Group	Ordovician	
-2550		Ordovician.	
-2579	Eminence	Upper Cambrian	
-4950?	Bonneterre	Upper Cambrian	
-6500?		Precambrian	igneous

Paleozoic Surface Data (M. McCracken):

Depth	Formation	Age	Lithology
?	Cotter-Jefferson City	Ordovician	
-1818	Roubidoux		
-2558	Gasconade		
-3338	Gunter		
-3438	Eminence-Potosi		
-6008	Elvins Group		
-6518		Precambrian	igneous rock

Well Index Identification: TN49

Name: Lauderdale County Oil Co./#1 R.E. Craddock

County: Lauderdale

Location: 35.8694, -89.3900 (NW NE sec 16 T8S R2E)

Ground Level: 303

Total Depth: -3827 (Cambrian?)

Completion Date: 1957

Data Source(s): Hoyal, p.c.; Crone, p.c.; State listing

Remarks: The State listing gives the ground elevation as 295 and the total Depth as -4705.

Drill-Hole Type: O&G

Paleozoic Surface Data (Hoyal):

Depth	Formation	Age	Lithology
-2135	Knox Group	Cambrian	

Well Index Identification: TN50

Name: W.J. Baum and others/#1 W.J. Baum

County: Madison

Location: 35.5449, -88.7837 (SE SE NW sec 8 T12S R9E)

Ground Level: 450

Total Depth: -665

Completion Date: 1924

Data Source(s): Hoyal, p.c.; Milhous, 1959; State Bulletin 76

Remarks:

Drill-Hole Type:

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-660?			sandstone

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Well Index Identification: TN52
 Name: C.P. Knight/H. Graves #1
 County: Gibson
 Location: 35.9453, -88.9661 (SE NW NW sec 23 T7S N7E)
 Ground Level: 370
 Total Depth: -1630 (Ordovician)
 Completion Date: 1/57
 Data Source(s): Hoyal, p.c.; State listing; TGS records (Zurawski, p.c., 1991).

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: TN53
 Name: Benz Oil Corp./N. Cherry #1
 County: Obion
 Location: 36.2732, -89.4699 (SW NE SW sec 1 T4S R2E)
 Ground Level: 320
 Total Depth: -2729 (Ordovician)
 Completion Date: 12-12-67
 Data Source(s): Statler and others, 1975; State listing; TGS records (Zurawski, p.c., 1991)

Remarks: Dipmeter log was run (Hickman, p.c., 1991).

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: TN54
 Name: Benz Oil Corp./C.L. Stover #1
 County: Obion
 Location: 36.2449, -89.3326 (SE NE NE sec 3 T4S R2E)
 Ground Level: 355
 Total Depth: -2650 (Ordovician)
 Completion Date: 7-17-67
 Data Source(s): Statler and others, 1975; State listing; TGS records (Zurawski, p.c., 1991)

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: TN55
 Name: Benz Oil Corp./A. Yates #1
 County: Obion
 Location: 36.2463, -89.3652 (SW NW SW sec 3 T4S R2E)
 Ground Level: 420
 Total Depth: -3007 (Ordovician)
 Completion Date: 11-20-67

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Data Source(s): Statler and others, 1975; State listing; TGS records
(Zurawski, p.c., 1991)

Remarks: Dipmeter log was run (Hickman, p.c., 1991).

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: TN56

Name: Benz Oil Corp./B. Stover #1

County: Obion

Location: 36.2433, -89.3639 (sec 2 T4S R2E)

Ground Level: 400

Total Depth: -2281 (Ordovician)

Completion Date: 11-9-67

Data Source(s): Statler and others, 1975; State listing; TGS records
(Zurawski, p.c., 1991)

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: TN57

Name: Benz Oil Corp./J.F. Magrum #1

County: Obion

Location: 36.2428, -89.3850 (sec 8 T4S R2E)

Ground Level: 340

Total Depth: -2385 (Ordovician)

Completion Date: 7-10-67

Data Source(s): Statler and others, 1975; State listing; TGS records
(Zurawski, p.c., 1991)

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: TN58

Name: L.M. Watson and others/#1 V. Holt

County: Gibson

Location: 36.0244, -88.9820 (sec 15 T6S R7E)

Ground Level: 320

Total Depth: -2556 (Ordovician?)

Completion Date:

Data Source(s): Hoyal, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1681			

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Well Index Identification: TN59

Name: J.C. Ireland/#2 Dr. G.C. Lipps

County: Henry

Location: 36.1921, -88.4164 (sec 20 T4S R13E)

Ground Level: 557

Total Depth: -4043 (Cambrian)

Completion Date: 7-71?

Data Source(s): Hoyal, p.c.; Statler and others, 1975; State listing

Remarks: The thickness of the Knox is given as 3100 ft in the State listing. Logs run: IES, FMP, CAL, GR-N (Hickman, p.c., 1991). Paleozoic top is at -363 and total Depth is at -3685 (Hickman, p.c., 1991).

Drill-Hole Type:

Paleozoic Surface Data (Hoyal):

Depth	Formation	Age	Lithology
-381	Plattin	Ordovician	
-1210	Knox Group	Ordovician	
-2818	Roubidoux	Ordovician	

Well Index Identification: TN60

Name: J.C. Ireland/#1 Dr. G.C. Lipps

County: Henry

Location: 36.1932, -88.4082 (sec 16 T4S R14E)

Ground Level: 545

Total Depth: -425

Completion Date:

Data Source(s): Statler and others, 1975

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-375			

Well Index Identification: TN61

Name: Stephens Petroleum Co./ #1 Petrie

County: McNairy

Location: 35.0555, -88.4349 (NW NE SW sec 9 T18S R13E)

Ground Level: 585

Total Depth: -4695 (Cambrian, Knox Group-Eminence)

Completion Date: 8-24-48

Data Source(s): Milhous, 1959; Brahana, p.c.; State listing

Remarks: The thickness of the Knox is given as 3550 ft in the State listing.

Drill-Hole Type: O&G

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
120	Wayne	Silurian	cryst. ls
70	Waldron	Silurian	limestone
31	Richmond Group	Ordovician	shale
-25	HermitAge	Ordovician	chert-ls
-120	Black River-Stones River Gp	Ordovician	limestone
-620	Wells Creek Dolomite	Ordovician	pyritic cryst. dolo
-710?	Knox Group	Ordovician	cryst. dolo

Well Index Identification: TN63

Name: Hughes Petroleum Co./#1 Spinks-Clay

County: Henry

Location: 36.2321, -88.3705 (sec 4 T4S R14E)

Ground Level: 546

Total Depth: -5957 (sandstone)

Completion Date: 9-24-79

Data Source(s): Glick, p.c.; Schwalb, 1982.; State listing

Remarks:

Drill-Hole Type: O&G

Paleozoic Surface Data (Schwalb):

Depth	Formation	Age	Lithology
-456?	Everton	Ordovician	
-1556?	Knox Group	Cambrian-Ordovician	
-4431?	Elvins Group?	Cambrian	

Well Index Identification: TN65

Name: Frazier & Benz/#1-A S. Hays

County: Lake

Location: 36.5748, -89.5404 (SE SE sec 17 T3S R1E)

Ground Level: 226

Total Depth: -1947 (Lamotte)

Completion Date:

Data Source(s): Crone, p.c.

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: TN66

Name: Memphis Equipment Co./#1 J. Curtis

County: Hardin

Location: 35.0342, -88.3118 (SE NW SE sec 16 T18S R15E)

Ground Level: 400

Total Depth: -3027 (Ordovician, Knox Group)

Completion Date: 10-21-54

Data Source(s): Crone, p.c.; State listing; TGS records (Zurawski, p.c., 1991)

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Remarks: The thickness of the Knox is given as 2190 ft in the State listing. The Depth of the Knox may be as shallow as -770 ft.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+400		Devonian	
+145		Silurian	
+50	HermitAge	Ordovician	
-140	Stones River Gp (Carter Ls)	Ordovician	
-670	Wells Creek	Ordovician	
-830?	Knox Group	Ordovician	

Well Index Identification: TN67

Name: Memphis Equipment Co./#1 H. Cordle

County: Decatur

Location: 35.4561, -88.1482 (NE NW SW sec 15 T13S R17E)

Ground Level: 509(kb)

Total Depth: -4295 (Cambrian, Knox Group)

Completion Date: 8-55

Data Source(s): Crone, p.c.; State listing; Milhous, 1959; TGS records (Zurawski, p.c., 1991)

Remarks: Milhous describes geology and has top of Knox at -441.

The thickness of the Knox is given as 3880 ft in the State listing.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
*			
+349	HermitAge	Ordovician	
+319	Plattin	Ordovician	
-219	Wells Creek	Ordovician	
-413	Knox Group	Ordovician?	
-3605?	Copper Ridge (Elvins equiv.)	Cambrian	

Well Index Identification: TN68

Name: Benton County Oil and Gas Co./#1 Cleve Wilson

County: Benton

Location: 36.1313, -87.9820 (sec 5 T6S R19E)

Ground Level: 385

Total Depth: -1063 (Ordovician, Stones River Group)

Completion Date: 1921

Data Source(s): State listing

Remarks: This Drill hole is located beyond the map boundaries and is not plotted. The lat. and long. location given is only a rough approximation.

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-411	Knox Group	Ordovician?	

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Well Index Identification: TN69
 Name: Harris & Simmons/#1-A A.O. Rush
 County: Chester
 Location: 35.4467, -88.4500 (NW NW NE SW sec 14 T13S R13E)
 Ground Level: 517
 Total Depth: -594 (Ordovician, Knox Group)
 Completion Date: 10-63
 Data Source(s): State listing; TGS records (Zurawski, p.c., 1991)
 Remarks: The thickness of the Knox is given as 186? ft in the State listing. TGS records give sample descriptions.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
*			
+17	Murfreesboro?	Ordovician	
-158	Wells Creek	Ordovician	
-378?	Knox Group	Ordovician?	

Well Index Identification: TN70
 Name: Harris & Simmons/#1 F. Carrol
 County: Chester
 Location: 35.4385, -88.4890 (C S1/2 NE SW NW sec 19 T13S R13E)
 Ground Level: 460
 Total Depth: -567 (Ordovician, Knox Group)
 Completion Date: 2-64
 Data Source(s): State listing; TGS records (Zurawski, p.c., 1991)
 Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-10	Stones River Gp	Ordovician	
-480	Knox Gp	Ordovician	

Well Index Identification: TN71
 Name: Gilmore & Shreve/#1 J.A. Scott
 County: Chester
 Location: 35.3713, -88.7961 (sec 22 T14S R9E)
 Ground Level: 615
 Total Depth: -1869 (Ordovician, limestone, Knox Group)
 Completion Date: 1932
 Data Source(s): State listing; Milhous, 1959
 Remarks: Milhous describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-575	(Knox Group?)	Lower Ordovician	hard ls

Well Index Identification: TN72
 Name: Standard Oil of Louisiana/#1 W.C. Wyatt
 County: Decatur
 Location: 35.5224, -88.1507 (NE SW SW sec 19 T12S R17E)

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Ground Level: 514
 Total Depth: -775 (Ordovician, dolomite, Knox Group)
 Completion Date: 1929
 Data Source(s): State listing; Milhous, 1959; TGS records (Zurawski, p.c., 1991).
 Remarks: Milhous describes geology. The thickness of the Knox is given as 230 ft in the State listing. TGS records give sample descriptions.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
*			
+266	Carters Ls	Ordovician	
-496	Knox Group	Ordovician?	

Well Index Identification: TN73

Name: C.M. Pierce and others and Memphis Equipment Co./#1 J.A. Montgomery
 County: Decatur
 Location: 35.4885, -88.1667 (SW SE SE sec 6 T13S R17E)
 Ground Level: 517
 Total Depth: -3373 (Cambrian, Knox Group)
 Completion Date: 1955
 Data Source(s): State listing; TGS records (Zurawski, p.c., 1991)
 Remarks: The thickness of the Knox is given as 3000? ft in the State listing. TGS records give sample descriptions. DST was run (Hickman, p.c., 1991).

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
*			
+337	Stones River Gp	Ordovician	
-313	Wells Creek	Ordovician	
-403	Knox Group	Ordovician	

Well Index Identification: TN74

Name: Sardis Oil & Gas Co./#1 Lancaster
 County: Decatur
 Location: 35.4572, -88.0829 (sec 13 T13S R17E)
 Ground Level: 405
 Total Depth: -695 (Ordovician, Knox Group)
 Completion Date: 1921
 Data Source(s): State listing

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: TN76

Name: Chester County Oil Co./#1 J.A. Montgomery
 County: Decatur
 Location: 35.4669, -88.1474 (SW SW SE sec 6 T13S R17E)
 Ground Level: 520

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Total Depth: -1991 (Ordovician, limestone, Knox Group)

Completion Date: 1931

Data Source(s): State listing; Milhous; 1959

Remarks: Milhous describes geology. The thickness of the Knox is given as 1316 ft in the State listing.

Drill-Hole Type:

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
+430		Silurian	limestone
+370		Ordovician	limestone
-405	Knox Group	Ordovician	

Well Index Identification: TN77

Name: Sardis Oil & Gas Co./#1 J.J. Shannon

County: Decatur

Location: 35.3961, -88.0105 (SW SW NW sec 2 T14S R18E)

Ground Level: 430

Total Depth: -646 (Ordovician, Knox Group)

Completion Date: 1922

Data Source(s): State listing; Milhous, 1959

Remarks: Milhous describes geology.

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
425?			

Well Index Identification: TN78

Name: McKissick and others/#1 J.B. Clayton

County: Fayette

Location: 35.3746, -89.4370 (SE NE sec 19 T14S R2E)

Ground Level: 345

Total Depth: -3167 (Ordovician, Knox Group)

Completion Date: 1935

Data Source(s): State listing; Milhous, 1959

Remarks: Milhous describes geology.

Drill-Hole Type:

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
-1825			hard ls

Well Index Identification: TN79

Name: Wingfield & Dobie/#1 W. Strickland

County: Hardin

Location: 35.3653, -88.2266 (sec 19 T14S R16E)

Ground Level: 386

Total Depth: -1114 (Ordovician, Knox Group)

Completion Date: 1941

Data Source(s): State listing; Milhous; 1959

Remarks: Milhous describes geology. The thickness of the Knox is given as 710 ft in the State listing.

Drill-Hole Type:

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
+358	Trenton Group	Ordovician	limestone
-404	Knox Group	Ordovician?	

Well Index Identification: TN82

Name: Tennessee Land-U.S. Borax Co./HW1 W.R. Wood

County: Hardin

Location: 35.0184, -88.2693 (sec 25 T18S T15E)

Ground Level: 425

Total Depth: -1683 (Cambrian-Ordovician, Knox Group)

Completion Date:

Data Source(s): State listing

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: TN83

Name: Brains-Richardson/#2 L. Wright

County: Henderson

Location: 35.6142, -88.3715 (C SW SE SE sec 22 T11S R14E)

Ground Level: 510

Total Depth: -700 (Ordovician, Knox Group)

Completion Date: 3-61

Data Source(s): State listing; TGS records (Zurawski, p.c., 1991)

Remarks: The thickness of the Knox is given as 82 ft in the State listing.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+85			
+100 to 105			lignite
-250?	Wells Creek	Ordovician	
-325?	Knox Group	Ordovician?	

Well Index Identification: TN84

Name: J.S. Lewis and others/#1 O.H. Roberts

County: Henderson

Location: 35.6285, -88.2507 (SE NW sec 13 T11S R15E)

Ground Level: 400

Total Depth: -1015 (Ordovician, Knox Group)

Completion Date: 1-63

Data Source(s): State listing; TGS records (Zurawski, p.c., 1991)

Remarks: The thickness of the Knox is given as 385 ft in the State listing.

Drill-Hole Type:

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
+150?	Carters Ls	Ordovician	
-265?	Murfreesboro	Ordovician	
-650	Knox Group	Ordovician?	

Well Index Identification: TN85

Name: Dixie Drilling Co./#1 H P. Zimmerle

County: Henderson

Location: 35.6170, -88.3243 (SE NW SW sec 19 T11S R15E)

Ground Level: 436

Total Depth: -981 (Ordovician, Knox Group)

Completion Date: 4-63

Data Source(s): State listing; TGS records (Zurawski, p.c., 1991)

Remarks: The thickness of the Knox is given as 305? ft in the State listing.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+199			
-684?	Knox Group	Ordovician?	

Well Index Identification: TN86

Name: Harris & Simmons/#1 Foster

County: Henderson

Location: 35.5277, -88.4878 (SE SW sec 19 T12S R13E)

Ground Level: 510

Total Depth: -493 (Ordovician, Knox Group)

Completion Date: 6-28-64

Data Source(s): State listing; TGS records (Zurawski, p.c., 1991)

Remarks: The thickness of the Knox is given as 95? ft in the State listing.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
*			
-398?	Knox Group	Ordovician?	

Well Index Identification: TN87

Name: DuPont de Nemours/#2 Fee

County: Humphreys

Location: 36.0475, -87.9527 (sec 14 T6S R19E)

Ground Level: 384

Total Depth: -7071 (Precambrian, arkose (Nashville dome))

Completion Date: 2-70

Data Source(s): State listing

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Remarks: This drill hole is located beyond the map boundaries and is not plotted. The lat. and long. location given is only a rough approximation. Four other disposal wells were also drilled at this location. They are Dupont de Nemours #1, #3, #5 and #6. Number 1 was completed on 2-20-67 with a total depth of -6353 in Cambrian Age rock of the Knox Group, #3 was completed in April of 1972 with a total depth of -5956 also in Cambrian rock, #5 had a total Depth of -6568 and completed in Cambrian dolomite, and #6 had a total Depth of -5882 and also completed in Cambrian dolomite.

Drill-Hole Type: **WW**

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			
-287	Stones River Group	Ordovician	
-1268	Knox Group	Do.	
-5286	Conasauga Group	Cambrian	

Well Index Identification: **TN88**

Name: **F. Waters Oil Co./#1 E.M. Baker**

County: **McNairy**

Location: **35.0581, -88.4625 (sec 9 T18S R13E)**

Ground Level: **585**

Total Depth: **-825 (Ordovician, Knox Group)**

Completion Date: **4-9-73**

Data Source(s): **State listing; TGS records (Zurawski, p.c., 1991)**

Remarks: **TGS records give sample descriptions. Core was taken (Hickman, p.c., 1991).**

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
*			
+49	Lego	Silurian	
-15		Ordovician	
-185	Stones River Gp	Ordovician	
-701	Knox Group	Ordovician(?)	

Well Index Identification: **TN89**

Name: **J. Haley Production Co./#1 M.V. Williams**

County: **Obion**

Location: **36.2392, -89.1757 (sec 7 T4S R5E)**

Ground Level: **315**

Total Depth: **-2013 (Ordovician, Knox Group)**

Completion Date: **3-26-75**

Data Source(s): **State listing; TGS records (Zurawski, p.c., 1991)**

Remarks: **DST was run (Hickman, p.c., 1991).**

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
-1985	Knox Group	Ordovician?	

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Well Index Identification: TN90

Name: Berry and others/#1 A.J. Gray

County: Stewart

Location: 36.4634, -89.0092 (sec 13 T1S R18E)

Ground Level: 364

Total Depth: -1586 (Ordovician, dolomite, Knox Group)

Completion Date: 1943

Data Source(s): State listing; Milhous, 1959

Remarks: Milhous describes geology. The thickness of the Knox is given as 170 ft in the State listing. State listing gives Depth to top of Knox at -1416 ft.

Drill-Hole Type:

Paleozoic Surface Data (Milhous):

Depth	Formation	Age	Lithology
364	Chattanooga	Lower Mississippian	shale
287	Pegram?	Middle Devonian	limestone
274	Camden	Middle Devonian	chert
-106	Birdsong	Lower Devonian	shale
-191	Decatur	Middle Silurian	limestone
-213	Brownsport	Middle Silurian	ls(dolo)
-281	Dixon	Middle Silurian	limestone
-315	Lego	Middle Silurian	limestone
-361	Laurel	Middle Silurian	limestone
-376	Osgood	Lower Silurian	limestone
-396	Brassfield	Lower Silurian	limestone
-416	Fernvale	Ordovician	limestone
-446	HermitAge (Trenton Group)	Ordovician	shale
-631	Carters Ls (Black River Gp)	Ordovician	limestone
-706	Lebanon (Stones River Group)	Ordovician	limestone
-861	Ripley	Ordovician	limestone
-961	Pierce	Ordovician	limestone
-1001	Murfreesboro	Ordovician	limestone
-1346(-1416?)	Knox Group	Ordovician	dolomite

Well Index Identification: TN91

Name: Springville School

County: Henry

Location: 36.2458, -89.1545 (sec 21 T3S R16E)

Ground Level: 381?

Total Depth:

Completion Date: 1982

Data Source(s): Luckey & Fuller, 1980

Remarks:

Drill-Hole Type: MW

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: TN92

Name: DuPont de Nemours and Co./GHS well

County: Humphreys

Location: 36.0849, -87.7957 (sec 3 T6S R21E)

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Ground Level: 525?

Total Depth:

Completion Date: 1991?

Data Source(s): Dorman, pers. comm. 1990

Remarks: This drill hole is located east of the study area boundary and is not plotted. The Depths of the stratigraphic units given below are average ages from five deep injection wells located near New Johnsonville, TN. The lat. and long. location given is only a rough approximation.

Drill-Hole Type: MW

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
+310?		Devonian	
+240?		Silurian	
-100?		Lower Ordovician	
-290?	Stones River Gp.	Lower Ordovician	
-1250?	Knox Gp.	Lower Ordovician	
-2300?	Kingsport Dolomite Fm	Lower Ordovician	
-2490?	Longview Dolomite	Lower Ordovician	
-2790?	Chepultepec Dolomite	Lower Ordovician	
-3325?	Copper Ridge Gp. (Elvins?)	Upper Cambrian	
-4700?	Conasauga Gp.	Upper Cambrian	
-6170?	Rome Sandstone	Upper Cambrian	
-6660?	Basal Sand	Upper Cambrian	

Well Index Identification: TN93

Name: Midwest Tennessee Oil Co./#1 M. Marvin

County: Stewart

Location: 36.4496, -87.9718 (NE SE SE sec 13 T1S R19E)

Ground Level: 391

Total Depth: -1247 (Ordovician)

Completion Date: 1921

Data Source(s): State listing; TGS records (Zurawski, p.c., 1991)

Remarks: This drill hole is located beyond the map boundaries and is not plotted. The latitude and longitude locations given are only a rough approximation. TGS records give a log of the samples.

Drill-Hole Type: O&G

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+227	Chattanooga	Mississippian	

Well Index Identification: TN94

Name: Hassel and Associates/#1 M. Steele

County: Wayne

Location: 35.4289, -87.9381 (NW SW SW sec 3 T14S R19E)

Ground Level: 363

Total Depth: -762 (Ordovician, Knox Group)

Completion Date: 1941

Data Source(s): State listing; TGS records (Zurawski, p.c., 1991)

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Remarks: This drill hole is located beyond the map boundaries and is not plotted. The lat. and long. location given is only a rough approximation. The thickness of the Knox is given as 229 ft in the State listing. TGS records give descriptions of samples.

Drill-Hole Type: O&G

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+340?	Trenton Ls	Middle Ordovician	
+211	Carters Ls	Ordovician	
-451?	Knox Group		

Well Index Identification: TN95

Name: C.W. Alworth/#1 F. Brown

County: Wayne

Location: 35.3588, -87.9776 (NW NE NE sec 24 T14S R19E)

Ground Level: 495

Total Depth: -1008 (Ordovician, Knox Group)

Completion Date: 1941

Data Source(s): State listing; TGS records (Zurawski, p.c., 1991)

Remarks: This drill hole is located beyond the map boundaries and is not plotted. The lat. and long. location given is only a rough approximation. The thickness of the Knox is given as 451 ft in the State listing. TGS records give sample description.

Drill-Hole Type: O&G

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+475	Trenton Ls	Middle Ordovician	
+221	Carters Ls	Ordovician	
-438	Wells Creek	Ordovician	
-557	Knox Group	Ordovician	

Well Index Identification: TN96

Name: E.I. Dupont de Nemours/#4 Fee

County: Humphreys

Location: 36.0474, -87.9721 (sec 15 T6S R19E)

Ground Level: 370

Total Depth: -6129 (Cambrian, Knox Group)

Completion Date: 12-19-73

Data Source(s): State listing; TGS records (Zurawski, p.c., 1991)

Remarks: This drill hole is located beyond the map boundaries and is not plotted. The lat. and long. location given is only a rough approximation.

Drill-Hole Type: WW

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
*			
-248	Stones River Group	Ordovician	
-252	Pencil Cave	Ordovician	
-1228?	Knox Group	Ordovician(?)	
-5282?	Conasauga (Bonneterre equivalent)	Cambrian	

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Well Index Identification: TN97
 Name: National Gasoline Co./E. Dowdy #1
 County: Dickson
 Location: 36.1619, -87.4462 (NW NE NE sec 2 T5S R25E)
 Ground Level: 740
 Total Depth: -1238 (Ordovician, Knox Group)
 Completion Date: 12/2/62
 Data Source(s): State Bulletin 76; TGS records (Zurawski, p.c., 1991)
 Remarks: TGS gives description of samples.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+220	Chattanooga Shale	Mississippian	
+41	Laurel	Silurian	
-28	Brassfield	Silurian	
-1167	Knox Group	Ordovician	

Well Index Identification: TN98
 Name: P. Schulte and Kenyon/C. Hooper #1
 County: Dickson
 Location: 36.0913, -87.5118 (NW SE SE sec 17 T5S R25E)
 Ground Level: 860(rt)
 Total Depth: -6132 (Cambrian, Knox Group)
 Completion Date: 12-19-73
 Data Source(s): Milhous, 1959; State listing; TGS records (Zurawski, p.c., 1991)

Remarks: State listing of Knox data gives the thickness of the Knox as 60 ft. TGS records give sample descriptions.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
*			
+262	Chattanooga Sh	Mississippian	
-284	Carters Ls	Ordovician	
-987	Knox Group	Ordovician(?)	

Well Index Identification: TN99
 Name: Tennessee Oil and Gas Co./G.T. and J.W. Anderson #1
 County: Humphreys
 Location: 35.9439, -87.8932 (SE SE SW NW sec 17 T7S R20E)
 Ground Level: 474
 Total Depth: -1545 (Ordovician, Wells Creek Fm.)
 Completion Date: 1921
 Data Source(s): Milhous, 1959; State Bulletin 76; TGS records (Zurawski, p.c., 1991)

Remarks: Milhous gives a drillers log description of the geology. TGS gives samples log.

Drill-Hole Type:

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+469	Chattanooga Sh	Mississippian	
+424		Silurian	
+289	Carters Ls	Ordovician	
-26		Ordovician	
-1176	Knox Group		

Well Index Identification: TN100

Name: Dupont de Nemours/#1 Fee (MGS log # 25253)

County: Humphreys

Location: 36.0541, -87.9586 (NW NW sec 14 T6S R19E)

Ground Level: 382

Total Depth: -6348 (Cambrian)

Completion Date: 2/20/67

Data Source(s): MGS records; State Bulletin 76

Remarks: This well was logged by M. McCracken. State listing of Knox data gives the thickness of the Knox as 5110 ft.

Drill-Hole Type: O&G

Paleozoic Surface Data (MGS):

Depth	Formation	Age	Lithology
+272		Silurian/Ordovician	
-908	Everton-Joachim	Ordovician	
-1178	Canadian (Smithville)	Ordovician	
-1238	Knox group	Ordovician	
-2818	Jefferson City?	Ordovician	
-2993	Roubidoux?	Ordovician	
-3188	Gasconade	Ordovician	
-3918	Eminence-Potosi	Cambrian	
-6168	Elvins Group?	Cambrian	

Well Index Identification: TN101

Name: Overby and others/F. Overby #1

County: Hickman

Location: 35.7369, -87.5289 (NE NW NW SE sec 9 T10S R24E)

Ground Level: 645(rt)

Total Depth: -624 (Cambrian, Knox Group)

Completion Date: 9/19/55

Data Source(s): Milhous, 1959; State Bulletin 76; State Listing; TGS records (Zurawski, p.c., 1991)

Remarks: Milhous gives a drillers log description of the geology. State listing of Knox data gives the thickness of the Knox as 25 ft. TGS gives sample descriptions.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+556?	Chattanooga Sh	Mississippian	
+181?	Carters Ls	Ordovician	
-525?	Wells Creek	Ordovician	
-600?	Knox Group	Ordovician	

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Well Index Identification: TN102

Name: H.L. White and others/Shephard Heirs #1

County: Perry

Location: 35.6737, -87.7952 (SW NW NW sec 13 T10S R21E)

Ground Level: 504

Total Depth: -651 (Ordovician, Wells Creek Fm.-Knox Group)

Completion Date: 1938

Data Source(s): Milhous, 1959; State Bulletin 76; State Listing; TGS records (Zurawski, p.c., 1991)

Remarks: Milhous gives a drillers log description of the geology. Milhous gives TD in Wells Creek-Knox Group transition zone. TGS gives sample descriptions.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+399?	Dixon	Silurian	
+366	Lego	Silurain	
+329	Waldron	Silurain	
+325	Laurel	Silurain	
+291	Osgood	Silurain	
+280	Brassfield	Silurain	
+269		Ordovician	
+20	Stones River Gp	Ordovician	
-651	Wells Creek-Knox Group	Ordovician	

Well Index Identification: TN103

Name: National Gasoline Co./D.B. Peach #1

County: Perry

Location: 35.6641, -87.8002 (NE SE SW sec 14 T10S R21E)

Ground Level: 590?

Total Depth: -1035? (Ordovician, Knox Group)

Completion Date: 1/27/60

Data Source(s): State Listing; State Bulletin 76; TGS records (Zurawski, p.c., 1991)

Remarks: State listing of Knox data gives the thickness of the Knox as 330 ft.

Drill-Hole Type: O&G

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+590	Decatur	Silurian	
+530	Brownsport	Silurian	
+415	Wayne	Silurian	
+315	Brassfield	Silurian	
+295	HermitAge	Ordovician	
+60	Carters Ls	Ordovician	
0	Lebanon	Ordovician	
-140	Ridley	Ordovician	
-240	Pierce	Ordovician	
-270	Murfreesboro	Ordovician	
-600	Wells Creek	Ordovician	
-705	Knox Group	Ordovician	

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Well Index Identification: TN104

Name: Baptist Church/Camp Linden #1

County: Perry

Location: 35.5247, -87.8002 (SW NE SW sec 20 T12S R20E)

Ground Level: 560

Total Depth: -760? (Ordovician, Knox Group)

Completion Date: 1955

Data Source(s): State Listing; State Bulletin 76; TGS records (Zurawski, p.c., 1991)

Remarks: State listing of Knox data gives the thickness of the Knox as 125? ft.

Drill-Hole Type:

Paleozoic Surface Data (State listing):

Depth	Formation	Age	Lithology
* -635?	Knox Group	Ordovician	

Well Index Identification: TN105

Name: Riverside Oil and Gas/H.W. Mann #1

County: Lewis

Location: 35.4355, -87.5666 (NW SW SW sec 11 T13S R23E)

Ground Level: 680?

Total Depth: -530 (Ordovician, Knox Group)

Completion Date:

Data Source(s): Milhous, 1959; State Bulletin 76; State Listing; TGS records (Zurawski, p.c., 1991)

Remarks: Milhous gives a drillers log description of the geology. State listing of Knox data gives the thickness of the Knox as 30 ft.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+680?	Ft Payne	Mississippian	
+295	Stones River Gp	Ordovician	
-485	Knox Gp	Ordovician	

Well Index Identification: TN106

Name: C.R. Craft/L. Lay #1

County: Wayne

Location: 35.2599, -87.7745 (NE SE SW NE sec 7 T16S R21E)

Ground Level: 890(rt)

Total Depth: -710 (Ordovician, Knox Group)

Completion Date: 12-31-52

Data Source(s): Milhous, 1959; State Bulletin 76; State Listing; TGS records (Zurawski, p.c., 1991)

Remarks: Milhous gives a drillers log description of the geology. State listing of Knox data gives the thickness of the Knox as 163 ft. TGS gives sample descriptions.

Drill-Hole Type:

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
*			
+207	Stones River Gp	Ordovician	
-407	Wells Creek	Ordovician	
-520	Knox Group	Ordovician	

Well Index Identification: TN107

Name: Western Oil and Gas Co./Wayne Land Co. #1

County: Wayne

Location: 35.3410, -87.6062 (NW SE SE sec 24 T14S R23E)

Ground Level: 985

Total Depth: -823 (Ordovician, Knox Group)

Completion Date: 1930

Data Source(s): Milhous, 1959; State Bulletin 76; State Listing; TGS records (Zurawski, p.c., 1991)

Remarks: State listing of Knox data gives the top of the Knox at -395 ft with a thickness of 421 ft. TGS gives sample descriptions.

Drill-Hole Type: O&G

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
+985?	Ft. Wayne Fm.	Mississippian	
+862?	Decatur Fm.	Silurian	
+833?	Brownsport Fm.	Silurian	
+690?	Wayne Fm.	Silurian	
+568?	Brassfield Fm.	Silurian	
+519?		Ordovician	
+170?	Stones River Gp	Ordovician	
-423?	Knox Dolomite Fm.	Ordovician	

Well Index Identification: TN108

Name: C.R. Craft/Tennessee Products Co. #1

County: Wayne

Location: 35.2879, -87.6356 (NE NE SE sec 19 T15S R22E)

Ground Level: 1014

Total Depth: -1994 (Ordovician, Knox Group)

Completion Date: 2/51

Data Source(s): Milhous, 1959; State Bulletin 76; State Listing; TGS records (Zurawski, p.c., 1991)

Remarks: Milhous gives a drillers log description of the geology. State listing of Knox data gives the top of the Knox at -369 ft with a thickness of 1619 ft. TGS gives sample descriptions.

Drill-Hole Type:

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
*			
+720	Hardin Ss mbr Chattanooga Sh	Mississippian	
+711	Laurel	Silurian	
+664	Brassfield	Silurian	
+656	Sequatchie fm	Ordovician	
+360	Carters ls	Ordovician	
-276	Wells Creek	Ordovician	
-369	Knox Group	Ordovician?	

Well Index Identification: TN109

Name: Tennala Oil and Gas/R. Price #1

County: Lawrence

Location: 35.0849, -87.5451 (SE SE NE SW sec 23 T17S R24E)

Ground Level: 600(rt)

Total Depth: -1568

Completion Date: 6-61

Data Source(s): State listing of Knox data; State Bulletin 76; TGS records (Zurawski, p.c., 1991)

Remarks: The thickness of the Knox is given as 1174 ft.

Drill-Hole Type:

Paleozoic Surface Data (Zurawski):

Depth	Formation	Age	Lithology
*			
+325	Stones River Gp	Ordovician	
+254	Lebanon	Ordovician	
+183	Ridley	Ordovician	
+40	Pierce	Ordovician	
+13	Murfreesboro	Ordovician	
-310	Wells Creek	Ordovician	
-382	Knox Group	Ordovician	

Well Index Identification: TN110

Name: Sardis Oil and Gas Co./Lancaster #1

County: Decatur

Location: 35.4642, -88.1270 (NE NW SE sec 13 T13S R17E)

Ground Level: 405

Total Depth: -695

Completion Date: 1921

Data Source(s): TGS records (Zurawski, p.c., 1991)

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
*			

Well Index Identification: TN111

Name: Tenn-U.S. Borax/#HL-1 T. Lambert

County: Hardin

Location: 35.0513, -88.2722 (sec 16 T18S R15E)

Ground Level: 410?

TABLE 7A.--Mississippi Embayment drill holes to the Paleozoic surface located in Tennessee--Continued

Total Depth: -1697?
 Completion Date: 9-1-70
 Data Source(s): TGS records (Zurawski, p.c., 1991)

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
* -733	Knox Group	Ordovician?	

Well Index Identification: TN112

Name: O.L. Norman and Sons/Springville School #1

County: Henry

Location: 36.2476, -88.1551 (NE NW SE NE sec 16 T3S R17E)

Ground Level: 445

Total Depth: -155

Completion Date: 1954

Data Source(s): TGS records (Zurawski, p.c., 1991)

Remarks:

Drill-Hole Type:

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
* +280		Silurian	

Well Index Identification: TN113

Name: Gulf Oil Co./Taylor #1

County: Gibson

Location: 36.0961, -89.0166 (C NW SW sec 19 T5S R6E)

Ground Level: 381?

Total Depth:

Completion Date:

Data Source(s): MGS records (Bohm, p.c., 1991)

Remarks: This well has approx. the same location as the Big Chief Drilling Co./

#1 Taylor well (TN48).

Drill-Hole Type: O&G

Paleozoic Surface Data:

Depth	Formation	Age	Lithology
-1818	Cotter-Jeff. City-Roubidoux	Ordovician	
-2558	Gasconade	Ordovician	
-3338	Gunter	Ordovician	
-3438	Eminence-Potosi	Cambrian	
-6008	Elvins Gp	Cambrian	
-6518		Precambrian?	igneous rocks

PART B

A Tabulation of Selected Pre-Cretaceous Mississippi Embayment Drill-Hole Data

[Stratigraphic abbreviations (P) Pennsylvanian: (at) Atoka Formation, (md) Modesto Formation, (mw) Morrow Formation, (pt) Pottsville, (bh) Bloyd Shale-Hale Formation, (pg) Prairie Grove, (sy) Stanley Shale, (bd) Bond Formation, (cv) Caseyville Sandstone Formation; (M) Mississippian: (bt) Bethal, (ts) Tar Springs Sandstone, (fy) Fayetteville, Shale, (kk) Kinkaid Limestone, (bc) Beach Creek Limestone, (ma) Millerella, (hs) Hartselle, (cr) Carter, (rd) Ruddell Shale, (sl) St. Louis Limestone, (ml) Mississippi Lime, (bo) Boone Limestone, (fp) Ft Payne Chert; (D) Devonian: (cg) Chattanooga Shale, (na) New Albany Shale, (pn) Penters Chert, (gt) Grand Tower Limestone, (jv) Jeffersonville Limestone, (cc) Clear Creek Chert, (bk) Blackbone Limestone, (gk) Grassy Knob Chert, (bl) Bailey Limestone; (S) Silurian; (du) Decatur Limestone, (bp) Brownsport Formation (wa) Wayne Formation, (mc) Moccasin Springs Formation, (dx) Dixon Earthy Limestone Member, (lv) Louisville Limestone, (ba) Bainbridge Limestone, (lg) Lego Limestone, (sc) St. Clear Limestone; (O) Ordovician: (cs) Cason Shale, (tb) Thebes Sandstone, (fv) Fernvale Limestone, (vo) Viola Limestone, (mq) Mequoketa Shale, (tr) Trenton Limestone, (kw) Kimmswick Limestone Formation, (ct) Carters Limestone Member, (pl) Plattin Limestone Formation, (jo) Joachim Dolomite, (mf) Murfreesboro Dolomite-Limestone, (dt) Dutchtown Formation, (sp) St. Peter Sandstone, (wc) Wells Creek Dolomite Formation, (ev) Everton Limestone Formation, (rl) Rock Levee Formation, (srg) Stones River Group, (cn) Canadian Series, (kxg) Knox Group, (arg) Arbuckle Group, (sv) Smithville Limestone-Dolomite Formation, (pw) Powell Dolomite-Limestone, (co) Cotter Dolomite, (jc) Jefferson City Dolomite, (sk) Shakopee Dolomite, (rx) Roubidoux Sandstone Formation, (gs) Gasconade; (C) Cambrian: (em) Eminence Dolomite, (po) Potosi Dolomite, (elg) Elvins Group, (cpg) Copper Ridge Group, (fr) Franconia, (dy-do) Derby Dolomite-Doerun Dolomite, (da) Davis Formation, (bn) Bonneterre Dolomite Formation, (cgg) Conasauga Group, (lm) Linda Morris, (la) Lamotte Sandstone, (ms) Mt. Simon Sandstone, (rm) Rome Sandstone Formation, (ec) Eau Clair Formation, (vg) Vaughn Quartzite; and (PC) Precambrian. Lithologic abbreviations (ss) sandstone, (ls) limestone, (dolo) dolomite, (igs) igneous, (grn) granite, and (porhy) porphyry. Other abbreviations (id) identification, (elev.) elevation, (ft) feet, (T.D.) total depth, (strat.) stratigraphic, (lith.) lithologic, and (thick) thickness, (?) questionable data. Total depth is measured from sea level (subsea). Ground elevation plus total depth = total feet drilled]

TABLE 1B.

Drill-Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
ALABAMA				
AL1	O'Neal/Morton #1	463	-2063	Cem-po
AL2	Champlin Refining Co./Galioway Coal Co. #1	636		
ARKANSAS				
AR1	Cočkrell Corp./#1 J. Carter and others	205	-14539	Pc (red grn)
AR2	Cockrell Corp./#1 H.E. Bunch and others	190	-14641	
AR5	Houston Oil and Minerals/#1 Singer	210	-10948	Celvg
AR6	Quintin-Little/#1 H. Griffith	340	-5528	Ckxg
AR7	Quintin-Little/#1 Little	275	-8411	Celvg
AR8	City of Maynard	485	-415	Ogs
AR10	Smith and Cockburn Oil Co./Robinson #1	203	-3440	
AR11	Walmar Oil Co./#1 F. M. White	220	-3196	
AR12	Pan Am/#1 Bosnick	201	-8499	Okxg
AR14	Bodcau Oil and Gas/#1 Bowen-Tucker	333	-3191	
AR15	Manning and Martin Inc./#1 R.C. Gregg	205	-3783	(ls-dolo)
AR16	J.L. Patton Oil Properties/#1 Armstrong	400	-2891	
AR17	Stanley Oil Corp./#1 Danner	225	-3126	
AR18	M.E. Davis/#1 DeMange	220	-4798	(ls-dolo)
AR19	J.K. Dobbs/#1 Rowena D. Bond	230	-3150	
AR20	H.L. Hawkins/R.G. O'Neal	220	-3254	
AR21	J.E. Stark Jr./R.G. O'Neal #1-X	218	-3452	
AR22	R.A. Johnson/#1 L. Alpe	222	-3236	
AR23	Cross Oil Co./#1 C.A. Rhodes	225	-2275	
AR24	J. Painter Jr./#1 P.M. Patterson	225	-3291	
AR25	J. Painter, Jr./Hunter #1	225	-3389	
AR26	Cross Oil Co./W.M. Smith	235	-2638	O
AR27	Seaboard Oil Co./Hole "C"	232	-1893	
AR28	Ramsey Petroleum Co./#1 Poinsett Lumber Co.	212	-3296	O
AR29	Seaboard/Core Hole "B"	235	-1879	
AR30	J.F. Scott Trustees/#2-A Nelson	275	-3448	
AR31	Dow Chemical Co./L. Wilson and Co. #1	228	-14640	Pc (gneiss)
AR32	The Henley-Lanagren Co./#1 E.E. Hogue	247	-1439	

TABLE 1B.--Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
AR33	C. E. Walters and others/#1 H. Johnson	245	-1363	
AR34	Tenn-Ark, Inc./R.M. Martin and others #1	350	-4742	Okxg
AR35	Benedum Trees Oil Co./#1 C.W. Mack (MGS log #5406)	267	-4268	Cem-po
AR36	Dow Chemical Co./B.L. Garrigan #1	239	-11799	Carg
AR37	Stone and Crenshaw/#1 L. Goldman	240	-583	
AR38	Voïcanic Oil and Gas Co./#1 A. McDaniel	350	-1344	
AR39	W. Adams/#1 Fee	240	-1768	
AR40	Home Oil Co./#1 C.H. Long	280	-131	
AR41	Stone and Crenshaw/#1 Hopkins	258	-486	
AR42	Old River Oil and Gas/Holland	300	-236	
AR43	A.L. Ginter/#1 Gordon	315	-994	Ojc
AR44	G. Gallatin/#1 J. Galloway	260	-1061	
AR45	S.C. Jeffus (Texas Piggot)/#1 Underwood	488	-765	
AR46	St. Francis Oil Co./Marshall	270	-1173	
AR47	Clay County Oil Co./#1 R. Norred	284	-1001	Orx
AR50	U-Tex Oil Co./W.C. Burns-Travis #1	490	-848	
AR51	Clay County Oil and Gas Co./Marshall	300	-1555	
AR52	G. Warren and others/#1 Malkin Realty Co.	200	-3318	O
AR53	Ramsey Petroleum Co./#1 M. Sanderson	207	-3297	
AR54	Forest City Oil Co./#1 Shirley	309	-3201	(ss)
AR55	Manning and Martin Inc./#1 Park-Gieseck	212	-4246	(ss)
AR56	Manning and Martin Inc./#1 Cartwright	225	-3286	
AR57	General Crude Oil Co./#1 L. Carruth Estate	210	-3434	
AR58	S.J. Tucker/#1 McKnight	212	-3233	
AR59	Wilson and Rankin/#1 J.M. Leach	215	-3239	
AR60	T. Poyner/#1 Adams	400	-525	Ogs
AR61	Deep Rock Oil Co./#1 Sample	460	-4598	Opw
AR62	City of Salem #1	660	-622	Cem
AR63	Arkansas Oil Ventures (Deardorff Oil Co.)/#1 Dogget	207	-4789	Ojc(rx ?)
AR64	Magnolia Petroleum Co./#1 Sturgis	217	-5785	Ojc
AR65	C.R. Craft Associates/#1 J.A. Hinkle	229	-978	O ?
AR66	R.L. Jones (Tabular Services)/#1 Norris	232	-408	Okw ?
AR67	Hunt Oil Co./#1 J.B. Thornton	165	-4679	

TABLE 1B.--Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
AR68	Blackwell Oil and Gas Co./#1 E.P. Fox	190	-4182	
AR69	Ryan Consolidated Petroleum Co./#1 McCollum	215	-3516	
AR70	Victory Development Co./#1 A.E. Clayton	220	-3388	
AR71	Transcontinental Oil Co./#1 I. Novak	223	-2731	
AR72	F.F. Silver/#2 J. Chambers Estate	226	-1270	
AR73	Petroleum Production Co./#1 Engler Brothers	209	-2516	
AR74	H.P. Taubman/#1 T. Peel	200	-1400	
AR75	W.N. Gregory/#1 W.N. Gregory	200	-1475	
AR76	Youngblood & Crow/#1 J.B. West	163	-4020	
AR77	Harrison Interests LTD/#1 A. Berry	234	-2916	Oev
AR78	Hughes Petroleum Co./#1 K.E. Thompson	211	-3339	O
AR79	Fohs-Loffland Brothers/#1 L. Miller	190	-4370	(schist)
AR81	Jackson Development Co./#1 Johnson and Berger	215	-1054	
AR82	Newport Prospecting/Well #1	210	-790	
AR83	Sohio Production Co./#1 G. Dewell	170	-2994	
AR84	J.H. Coker/#1 McClain	200	-2327	
AR85	McAlester Fuel Co. and H.M. Cox/#1 Welch	174	-4765	
AR86	Martin and Coker/#1 W.H. Stewart	210	-2926	
AR87	H.J. Wier and Sons/#1 E.P. Lynn and others	205	-2591	
AR88	Woodruff County Arkansas Syndicate/#1 H. Rosser	217	-1894	
AR89	R.B. Curtis/#1 R. Sheridan	231	-1519	
AR90	Killam and McMilliam/#1 J.C. Curl	448	-4324	
AR92	Fletcher-Gates Development Co./#1 Fletcher	217	-2048	
AR93	Arkansas Oil Corp./#1 Scroggin	228	-1938	
AR94	J. Fitzpatrick/W.W. Pryor	385	-1541	
AR95	Southern Mine Co./#2 Well	645	-1395	
AR96	D.J. Flesh/#1 Rosencrantz and others	219	-3416	
AR97	Woodard Energy/#1 G.J. Lines	225	-4018	O ? arg
AR98	Harrison Interests LTD/#1 Portis-Potter	220	-7795	Ckxg
AR99	Amoco Petroleum Co./#1 B.P. Haynes	249	-12251	Cbn ?
AR102	Lion Oil Co./Nalley #1	425	-5972	Oev
AR103	States Oil Co./#1 LaFerney	220	-4820	Pmwg
AR104	PanAmerican Petroleum Co./#1 Hart	200	-6115 ?	D

TABLE 1B.--Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
AR105	Delta States Oil Co./#1 Word	198	-3572	Pat
AR106	Sunray DX Oil Co./#1 Morris	200	-5812	Okxg ?
AR107	Ambassador Oil Co./#1 Thompson Unit	175	-9120	Pat
AR108	Ambassador Oil Co./#1 Montgomery Unit	250	-7758 ?	Pat-sy
AR109	Pursley and others/#1 Cox	300	-3705 ?	PC
AR110	Columbian Gas Co./Victoria Cross Lumber Co. #1	110	-4805	(syenite)
AR111	Panhandle Eastern Pipeline Co./Ives #1-22	214	-11786	Pat ?
AR112	Geochemical Surveys and others/Cobb #1	200	-7816	Psy
AR114	Stuck and others/Broadway	250	-1450 ?	Okxg
AR115	Lion Oil Co./#1 Buckham	151	-4730	
AR116	Lion Oil Co./#1 Griggs	780	-3852	
AR117	Donnelly and others/#1 Donaphan Lumber Co.	870	-2920	O
AR118	Wonder State Development Co./Wilson #1	250	-1297 ?	
AR119	Cospen Oil Co./#1 Donaphan Lumber Co.	750	-3610	
AR120	City of Cotter/#1 Water Well	800	-290 ?	Ogs
AR121	City of Mountain Home/#3 Water Well	809	-741	Cem-po
AR122	Baker/#1 Ramsdell	575	225	Orx
AR123	City of Mammoth Springs/Water Well	573	223	Orx
AR124	Sun Exploration/#1 Nichols Trust	179	-13621	C ?
AR125	Pennzoil Co./#1 Morris	210	-4590	Okxg ?
AR126	Neely and Neely Water Well	275	159	
AR127	Exxon/#1 City of Searcy	260	-12743	O ? arg
AR128	Moran Exploration, Inc./#1 Reaper	250	-7750 ?	O ? arg

ILLINOIS

IL1	Gwin/#1 J. Chaney	380		
IL2	Welch Brothers/B.R. Hall	400		
IL4	Prindle and Vick/#1 Petty	340		
IL5	Gould/#1 Transient Camp	310		
IL10	Vick Oil Co./#1 Smith	325		
IL11	Sergent/#1 D. Ritter	335		
IL12	Sergent/#1 C.J. Egner	345		

TABLE 1B.--Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
IL13	Sergeant/#1 H.K. Lite	370		
IL14	Sergeant/#1 R. Cross	338		
IL15	Sergeant/#1 H.E. Modlin	390		
IL16	Sergeant/#1 J. Hall	360		
IL18	Sergeant/#1 H. Barefield	350		
IL19	Sergeant/#1 E.H. Henderson	368		
IL20	Sergeant/#1 G. Inman	360		
IL21	Sergeant/#2 G. Inman	490		
IL22	Sergeant/#1 T. Roach	420		
IL23	Weldon/Illinois Central	340		
IL24	Sergeant/#1 H. Essex	390		
IL25	Weldon/A.U. Pawlisch	350		
IL26	Weldon/J.H. Audrich	450		
IL27	Sergeant/H. Richards	455		
IL28	Sergeant/#1 L.L. Downs	463		
IL29	W.L. Richey/#1 R.G. Williams	450		
IL30	Sergeant/#1 J. Carroll	440		
IL31	White/#1 J. Goza	415		
IL32	Case Engineering Co./Olmsted City Well	338		
IL33	Illinois State Geol. Survey/# D-7	415		
IL34	Illinois State Geol. Survey/# 1 J. Miller	400		
IL36	Illinois State Geol. Survey/#3 J. Miller	390		
IL37	Sergeant/#1 A. Eddleman	400		
IL38	U.S. War Dept./Lock and Dam 53	315		
IL41	Sergeant/#1 J. Brennan	315		
IL42	Cache Oil Co./#1 G. Moses	335	2627	Orx
IL44	-/Mound City Ice Plant Well	400		
IL49	Halliday/Mound City Well	300		
IL50	Vick Oil Co./#1 Boyd	355		
IL52	Sergeant/Mound City Warehouse Co.	300		
IL53	Sergeant/#1 A. Barnett	380		
IL54	Beandland/P. Barnett	375		
IL57	Sergeant/#1 T. Lewis	445		

TABLE 1B.--Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
IL58	Sergeant/#1 P. Fisher	380		
IL61	Sergeant/R. Stubblefield	400		
IL63	Richey / #1 T. Korte	450		
IL65	Richey/#1 B. Brewer	435		
IL66	Fitch Brothers/#1 Pullen and Farmer	420		
IL67	Richey/#1 W. Kruger	440		
IL71	Richey/#1 J. Weaver	500		
IL72	Sergeant/#1 J. Mathews	340		
IL73	Richey/#1 T. Windhorst	375		
IL74	Sergeant/#1 C. Brewer	370		
IL77	Sergeant/#1 L. Neill	410		
IL78	Sergeant/D. Goines #1	420		
IL80	Richey/#1 J. McCuan	390		
IL81	L. Western/#1 Joppa, Illinois Compressor. Sta. #7	365		
IL83	L. Western/#4 Electric Energy Inc.	350		
IL89	L. Western/#1 Electric Energy Inc.	350		
IL90	L. Western/#1A Missouri Portland Cement Co.	320		
IL93	Smith Cunningham/#1 Joppa Colored School	355		
IL94	Linker/#2 Ft. Massac Water District	370		
IL95	Richey/#1 J. Baird	400		
IL97	Richey/#1 J. Sweney	430		
IL98	Richey/J.L. Brenningmeyer	390		
IL100	Searles/R. Sullivan	400		
IL101	Hepp/#1-A AEP Service Corp.	365		
IL103	Hepp/#2 AEP Service Corp.	350		
IL108	Richey/#1 W. Hook	540		
IL109	Geer/M. Brockman	525		
IL110	Richey/#1 T. Logeman	390		
IL113	Richey/#1 W. Bermer	420		
IL114	Richey/#1 W. Meddagh	410		
IL115	Sergeant/#1 I.L. Covgill	425		
IL116	Metropolis National/#5 St. Johns E and R Church	385		
IL118	Henners/#1 F. Moller	360		

TABLE 1B. --Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
IL119	Richey/#1 R. Brewer	550		
IL120	Sergent/#1 C. Geitman	410		
IL121	Jennings/L. Faugh	450		
IL122	Wittig/L. Webb	390		
IL124	Thorne/Metropolis City Well	320		
IL126	Sergent/#1 S. Taylor	360		
IL127	Marshall/#1 H. McGhee	350		
IL128	Fondaw/C. Hoyer	450		
IL129	Fondaw/R. Summons	380		
IL131	T V A/#L-A Paducah Dam Site	345		
IL132	T V A/#L-4 Paducah Dam Site	325		
IL136	T V A/#L-12 Paducah Dam Site	320		
IL137	Haverstick/C.C.C. Camp Hamberg	525		
IL138	Edleman/#6 Compton Mine	375		
IL139	Jennings/#1 R. Worten	525		
IL140	Sergent/#1 A Owens	470		
IL141	Gwin/#1 V. Pederson	370		
IL142	Jennings/#1 T.W. Harris	400		
IL143	Fitch Brothers/#1 J.H. Lewis	400		
IL144	Jennings/#1 Bryant Estate	340		
IL147	T V A/#L-2 U. Smithland Dam Site	320		
IL148	Rigney & Dodson Oil Co./#1 J. Lewis Test	345	-3755	Opvg
IL149	T V A/#L-A L. Smithland Dam Site	360		
IL152	T V A/#L-3A L. Smithland Dam Site	330		
IL153	Texas Pacific Oil Co./#1-B Farley	580	-13704	Cpre-ms
IL154	Humble Oil Co./#1 Pickell	450	-8042	Cmt
IL155	Cairo Electric Light and Power Co./#1 Well	313	-727	
IL156	Texaco/#1 Cuppy	450	-12620	Pc
IL157	Brehm/#1 Harris	532	-7968	Okxg
IL158	Little Egypt/#1 Basler	482	-4053	Opvg
KENTUCKY				
KY1	Roney, Mitchell & Bruer/#1 Bundurat Sta. (MGS log#2666)	285	-2895	Ogs

TABLE 1B.--Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
KY2	Mt. Carmel Drilling Co./#1 F. Smith	289	-2873	Ogs
KY4	Ken-Tex Oil Exploration/#1 R. & C. Sanger	295	-3715	Ogs
KY5	G.H. Froderman Petroleum Co./#1 E. Cook	430	-1670	Oev ?
KY8	City of Wickliffe well	323	-697	O
KY10	Illinois Central Railroad/#1 Illinois Central Railroad	380	-178	
KY11	Robinson and Puckett/#1 Clark Heirs	317	-3098	
KY12	Jouett Ross Todd and others/#1 Rudd	367	-1073	
KY13	Calloway Oil and Development Co./#1 Kays & Culpepper	495	-72	
KY14	Calloway Oil and Development Co./#1 W. McCuiston	390	-477	
KY15	Loma Corp./#1 H.B. Ellis	380	-688	Db1
KY16	South Central Petroleum Corp./#1 P.J. Cherry	583	-5027	Ogs
KY17	Davenport Oil Co./#1 J. Garrison	440	-240	D ? cc?
KY18	Indian Camp Oil and Development/#1 T.J. Wilson	480		
KY19	Dr. B.F. McCleave/#1 A. Summers	410	-2638	Osp
KY20	H. Riddle and others/#1 E. Adair	543	-2267	Oev ?
KY21	Perry Faulk/#1 C.B. Hayden	482	-2553	Oev-kxg
KY23	P.M. Barton/#1 J.E. Wilson	412	-2068	Odh-pl
KY24	Berger Oil Interests/#1 G.H. Gentry	412	-1498	
KY25	John Seip and others/#1 Sheppard	412	-1601	
KY28	C.C. White/#1 W.B. Jackson	362	-838	
KY29	Taylor Drilling Co./#1 G. Allen	345	-1699	
KY30	M.K. Dale and others/#1 Mrs. T. Reid	409	-951	Dcc
KY31	Adams Oil and Gas Co./#1 W. Adlich	511	-2671	Oev ?
KY32	J. Kaufman and others (B. Rodgers Drill. Co.)/#1 R. Coursey	465	-1193	O
KY34	Paducah City well	340	-910	M
KY35	Shell Oil Co./#1 M.D. Davis	373	-8438	Cpo
KY36	Exxon Minerals/#1 Duncan	524	-14676	Cms
KY37	Ashland Oil and Refining Co./ F-1-F Camp Breckenridge Tract-3	481	-8594	Orx
KY38	Pure-Ashland-Browing/#1 Walker	490	-6686	Orx
KY39	Ryan Oil Co./#5 Ryan Oil Co.	699	-6740	Ojc ?
KY40	Ada Belle Oil Co./#2 Hillman	597	-3656	Opw ?
KY41	J Page and others/#1 Clark Heirs	317	-3098	Ocn
KY42	N. Shiarella/#1 K. Letterman	460	-493	D

TABLE 1B.--Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
KY43	Tennessee Valley Authority/P45 Shannon Steam Plant	389	-89	D
KY44	Purchase Embayment/#1 R Terry	350	-1998	O ? kxg
KY45	Purchase Embayment/#2 R Terry	350	-850	Otr
KY46	Sterrett Drilling/#1 T.J. Wilson	480	-1067	Odt
KY47	H&D Production/#1 T.J. Wilson	480	-1400	O ? kxg
KY48	M. Brown, Sr./#1 A. Summers	410	-3342	Osp
KY50	Tennessee Valley Authority/L7 Aurora Dam Site	342	12	Dna
KY51	B.F. Goodrich/#1 B.F. Goodrich	350	-123	Mfp
KY52	Dixie Drilling/#1-A McFadden	374	-261	M
KY53	Tennessee Valley Authority/C24-50 Shawnee Steam Plant	356	5	M
KY54	J. Russell/#1 J. Kilgore	527	-508	D
KY55	Ky-Ten Exploration/#1 J.P. Carraway	386	-1044	Op1
KY56	Wafakaree, Inc./#1 J. Grider	471	-1570	Ohbg
KY57	Dr. B.R. McCleave/#1 A. Summers	410	-3342	Osp
KY58	Wafakaree, Inc./#1 M. Davis	345	-1732	Otr
KY59	B.F. Goodrich/#3 B.F. Goodrich	327	-133	Mfp
KY60	B.F. Goodrich/#2 B.F. Goodrich	349	-20	Mfp
KY61	Dixie Drilling/#1 McFadden	374	74	M
KY62	McCracken Exploration/#2 D. Gibbs	348	-3252	O
KY63	A. Buchanan/#1 T.J. Wilson	351	-2305	O ? kxg
MISSISSIPPI				
MS1	Memphis Equipment Co./#1 W.E. Melton	450	-4894	
MS2	LL and E Deep Test	175	-12727	
MS3	Childers/#1 Finger	400	-1961	
MS4	Union Production Co./#1 F.T. Withers Estate	200	-4684	
MS5	Amerada Petroleum Corp./R.I. Abbey	200	-5910	
MS6	C.P. Johnson/#1 B.F. Pritchard Estate	235	-2930	
MS7	Hess Production Co. and V.P. Smith/#1 R.M. Waldrop	272	-4568	
MS8	Shell Oil Co./#1 P.F. Johnson and others Unit	380	-3624	
MS9	Sinclair Oil and Gas/#1 E.E. Moore	245	-3332	
MS10	#2 ?	215		

TABLE 1B.--Continued

Drill-Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
MS11	H.L. Cullet/#1 L.R. Nabors	417	-1197	
MS12	Gulf Refining Co./#1 B. Basden and others	365	-4647	
MS13	W.H. Pine/#1 E. Poynter	380	-3959	
MS14	Adams Oil and Gas/Lewellen #1	436	-3748	(sandy dolo)
MS15	Alcorn Petroleum Co./#1 Matthews	424	-2246 ?	
MS16	Pañ American Petroleum Co./#1 J.Gates Unit	300	-3903	
MS17	Sinclair Oil Co./#1 Epperson	429	-2531	
MS18	D.J. Simmons/#1 USA	371	-2340	
MS19	W. Seitz and W. Locley/#1 B. Adams	400	-847 ?	
MS20	G.C. Grasty/#1 Kentucky Lumber Co.	349	-1445	
MS21	Williams and Holloway Enterprises/#1 L.E. Pierce and others	461	-1102	
MS22	W.E. Sistrunk/#1 O.H. Evens	295	-1699	
MS23	W.H. Pine/#1 E. Little	323	-1347	M
MS24	E.T. Nichols and others/#1 E.C. Mattox	275	-1227	
MS25	D.M. Lee/#1 L.M. Gilliland	428	-1299	
MS26	W.E. Sistrunk/#1 Gilmore-Puckett Limber Co.	350	-1502	
MS27	J.P. Evans and others/#1 Whiteside	411	-2796	
MS28	W.M. Smith and J.F. Michael/#1 J.C. Westmoreland	370	-1439	
MS29	J.F. Michael/#1 Temple Harmon Unit	341	-1420	
MS30	R.A. Ellison/#1 W.H. Neely	315	-3966	O ? kxg
MS31	P.V. McAlpine/#1 Cowart	342	-3453	
MS32	J. Daniel and C.C. Murrey , Sr./#1 A.L. Lowery	299	-1688	
MS33	L.E. Salmon/#1 S.A. Grappy and others	403	-2317	
MS34	L.E. Salmon, A.R. Temple and F.F. Mullen/#1 C.E. Andrews	403	-5326	
MS35	L.E. Salmon/#1 J.B. Henderson	484	-2474	O
MS36	L.E. Salmon/#1 Wilson Est.	459	-4046	M
MS37	O.W. Killiam/#1 M.H. Clayton (#1 T.R. Hall)	481	-1904	
MS38	S.A. Culbertson/#1 L.J. Lyon (#1 E. Hale)	530	-1704	
MS39	L.E. Salmon/#1 R. Patterson	340	-5564	
MS40	Southern States Oil Co./#1 Houston 35-8	348	-2110	
MS41	Texaco, Inc./#1 E.G. Stokes	454	-1759	
MS42	J.F. Michael and VanDresser Drilling Co./#1 B. Knight	547	-2067	
MS43	Home Development Co./#1 A. Allen	270		

TABLE 1B.--Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
MS44	OGG and Clark/#1 Buckhalter	355	-4432	
MS45	E.R. Owen and others/Davis-Versy Unit #1	269	-2751	
MS46	L. Akers/J.P. Whittaker #1	613	-1691	
MS47	Tishomingo Development Co./J.M. Russell #1	560	-954	
MS48	Mississippi Oil and Refining Co./#1 Southward-M. Morgan	499	-2376	
MS49	Mrs. M.T. Maury and others/#1 Joslin May-Star	388	-1834	
MS50	Richardson Oil, Inc./#1 A. Robbins	409	-3068	
MS51	American Petroleum Corp./#1 W.V. Moore	380	-3510	
MS52	Southern States Oil Co./#1 Okolona Unit 29-40	326	-1925	
MS53	Southern States Oil Co./#1 Okolona Unit 28-5	339	-1916	
MS54	Sustiss-Means Oil Co./#A-1 J.W. Clarke	351	-3713	
MS55	Gulf Oil Corp./#1 Reid 26-15	473	-3867	
MS56	Carter Oil Co./#1 T.G. Abernathy	350	-3144	
MS57	Davidor and Davidor/#1 Gladney	356	-2300	
MS58	Union Production Co./#1 Dinsmore	422	-4025	
MS59	F.P. Jorden/#1 Burdine	285	-1226	
MS60	Southern States Oil Co./#1 Oklona Unit 29-7	325	-2537	
MS61	A.W. Hutchings/#1 W.C. Stone, Jr.	378	-2129	
MS62	Davidor and Davidor/#1 H.B. Carter	344	-2740	
MS63	W.L. Stewart and others/#1 Dr. H.E. Russell	462	-2003	
MISSOURI				
MO2	McNew-Gypsy (MGS log # 23365)	338	-2364	Orx
MO4	Himmelberger/H. Faults and others (MGS log # 2204)	304	-2606	Cem-po
MO5	(MGS log # 26558)	343	-152	
MO6	NRC Test Hole #2 (MGS log # 28482)	340	-202	
MO7	Mayberry (MGS log # 22884)	360	250	
MO8	Phillips (MGS log # 22275)	415	210	
MO9	Travers (MGS log # 14220)	360	295	
MO10	J. Wellborn (MGS log # 20790)	339	174	
MO11	Mingus National Wildlife Refuge (MGS log # 27664)	465	-10	
MO12	Lisco (MGS log # 21552)	390	230	
MO13	Missouri Power and Development Co./well #1 (MGS log # 225)	410	-98	Ogs

TABLE 1B.--Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
MO14	(MGS log # 13795)	396	246	
MO15	U.S. Dept. Interior/Mingo Nat. Wildlife Reff. (MGS log # 23546)	415	215	
MO16	E.M. Gould/W.C. Pattongill #1 (MGS log # 3137)	445	277	
MO18	E.M. Gould/R. Lucas & J. Norris #1 (MGS log # 3119)	390	227	
MO19	Schneider and Gwin/O. Deinberger #1 (MGS log # 7407)	383	43	
MO21	Felker (MGS log # 7935)	445	217	
MO22	(MGS log # 3455)	379	171	
MO24	E.M. Gould/City of Oran well #1 (MGS log # 3561)	335	186	
MO26	Cram (MGS log # 7961)	364	246	
MO27	City of Perkins well (MGS log # 24325)	340	-360	
MO29	(MGS log # 6386)	450	280	
MO31	(MGS log # 6387)	450	160	
MO32	G.E. Kinder and others/Rehms #1 (MGS log # 9205)	401	-534	Ogs
MO33	(MGS log # 11611)	403	-1362	Orx
MO34	City of Advance well (MGS log # 131123)	358	-543	
MO35	Johns (MGS log # 22978)	361	296	
MO36	Strahel (MGS log # 13523)	389	284	
MO37	(MGS log # 21434)	343	288	
MO38	E.M. Gould/City of Ilmo well #1 (MGS log # 2722A)	400	-522	
MO39	Bollinger/"Oade" Ilmo-Commerce well (MGS log # 9279)	410	172	
MO42	City of Kelso (MGS log # 27742)	400	-260	
MO43	E.M. Gould/City of Hornfelt well #1 (MGS log # 4196)	366	-67	
MO44	Schneider and Gwin/L.W. Heisserer #1 (MGS log # 8450)	375	43	
MO48	Ashley (MGS log # 8594)	434	199	
MO49	Schneider and Gwin/H. Blattel #1 (MGS log # 7202)	430	112	
MO51	B. Harrison (MGS log # 28151)	500	-420	
MO55	(MGS log # 22066)	390	215	
MO57	Killiam-Gillick (MGS log # 3915)	400	330	
MO58	(MGS log # 8326)	515		
MO59	(MGS log # 8444)	375	273	
MO60	City of Chafee well #2 (MGS log # 2147)	337	-1738	Ogu
MO62	A.J. Patterson/Catholic Church #1	459	214	
MO63	(MGS log # 22064)	361	276	

TABLE 1B. --Continued

Drill-Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
MO64	(MGS log # 3394)	360	-23	
MO65	R.H. Ford/#1 C.L. Maloney (MGS log # 24641 or 21477?)	376	-1349	Cem
MO66	(MGS log # 21253)	521	201	
MO67	P. Deimund/P. Deimund Cooper #1 (MGS log # 7682)	370	-1475	Cpo
MO68	Missouri Highway Dept./ (MGS log # 13525)	362	277	
MO69	Graysboro School #1 (MGS log # 7334)	35 4	239 ?	
MO71	City of Scott well #3 (MGS log # 27364)	410	-290	
MO74	City of Illmo well (MGS log # 9998)	367	-668	Oev
MO77	(MGS log # 9093)	405	-345	
MO78	(MGS log # 7348)	440	-461	
MO79	(MGS log # 8595)	406	45	
MO80	(MGS log # 9095)	430	-20	
MO81	(MGS log # 3732)	436	-404	Oev
MO82	(MGS log # 4129)	385	-349	Osp
MO85	(MGS log # 18437)	343	-52	Oev
MO86	(MGS log # 7669)	430	90	
MO87	Rhodes Truck Stop on I-55 (MGS log # 27750)	335	-500	
MO89	Weldon Well Co./Harvey Parks Airport #1 (MGS log # 8329)	335	-5	
MO90	J. Davis (MGS log # 9091)	493	393	
MO91	(MGS log # 7778)	400	314	
MO94	O.W. Killiam/K.M. Pattinson (MGS log # 7324)	263	-3082	Cbn
MO95	City of Cardwell (MGS log # 10902)	247	-1523	
MO96	Strake Petroleum Co./T.P. Russell #1 (MGS log # 7222)	266	-4469	Cla
MO98	Dept. of Interior/E. Russell NMTW 1-X (MGS log # 28206)	280	-2030	Cdy-do
MO99	Coastal Development Co./J.P. Pearson #1 (MGS log # 6614)	297	-456	Orx
MO100	U.S. Bureau of Mines/R.B. Oliver Jr. #1 (MGS log # 8882)	278	-3459	Cbn
MO102	C. Ramsey (MGS log # 11654)	323	-27	
MO103	MGS Observation Well (MGS log # 14848)	308	243	
MO104	(MGS log # 24168)	304	-786	
MO105	(MGS log # 21859)	303		
MO106	(MGS log # 21533)	305	239	
MO107	Lilbourn Oil Co./S.L. Hunter #1 (MGS log # 7309 or 7809?)	285	-1167	Oco
MO108	(MGS log # 22401)	331	266	

TABLE 1B.--Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
MO109	Cordova-Union Oil Corp./E. Phillips #1 (MGS log # 6809)	302	-2201	Ogs
MO110	Neelyville School District (MGS log # 22525)	381	71	
MO111	Mammoth Production Co./Big Oak Tree #1 (MGS log # 24204)	293	-4616	Ogs
MO112	City of Doniphan well (MGS log # 27513)	420	-750	
MO114	Sewell Well Co./Mo. Ark. Power Co. well (MGS log # 1825)	335	-592	Cem
MO115	(MGS log # 28124)	320		
MO116	Ozark Border Electric Co. (MGS log # 20608)	406	-94	Ogs
MO117	E.P. Maurey (MGS log # 22276)	504	277	
MO118	Mississippi River Feul Co. well (MGS log # 23630)	470	170	
MO119	U.S. Bureau of Mines/B. Zarecore (MGS log # 8569)	297	-304	Ocn
MO120	C. Courts (MGS log # 23628)	440	240	
MO121	M.H. Marr/W.J. Crutcher #1 (MGS log # 8573)	300	-222	Ocn
MO122	M.H. Marr/C. Barnett #1 (MGS log # 8742)	300	-4269	C ? la-Pc
MO123	Dexter Oil and Gas Co./S. Garner #1 (MGS log # 1675)	432	-1898	Cpo
MO124	Butler County C-1 School (MGS log # 20454)	331	1	
MO125	Stoddard County Expl. Co./Higgins #1 (MGS log # 10868)	348	-1515	Cem-po
MO126	(MGS log # 19911)	314	-736	
MO127	M and A Power Coop (MGS log # 11135)	489	-286	Cem
MO128	Cart Const. Co./City of Charleston well (MGS log # 2661)	325	-435	
MO129	Johnson/Himmelberger Harrison Mft. Co. (MGS log # 270)	301	-479	
MO130	U.S. Bureau of Mines, Bauxite (MGS log # 8574)	301	-175	
MO131	Marr/Reed (MGS log # 8571)	334	-74	
MO132	Marr/Swan (MGS log # 8575)	302		
MO133	Marr/Needham (MGS log # 8572)	301	-174	
MO134	Case (MGS log # 22051)	435	284	
MO135	J. Sewell/City of Bloomfield well (MGS log # 2123)	458	-460	
MO136	Richards (MGS log # 22052)	436	288	
MO137	(MGS log # 21227)	426	249	
MO138	Kush (MGS log # 22873)	403	253	
MO140	McWilliams Subdivision	620	-310	
MO141	Oak Brier Subdivision (MGS log # 28019)	520	-190	
MO143	J.A. Tweedle/D. Green #1	410	-577	
MO145	E.M. Gould/W. Adams #1 (MGS log # 3379)	355	25	

TABLE 1B.--Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
MO146	Clark and Johnson/Beechwood Club #1 (MGS log # 2737)	360	-249	
MO147	E.M. Gould/Marquette Cement Co. #1 (MGS log # 2950)	345	-580	
MO148	Schneider and Gwin/A. Wessell (MGS log # 7669)	430	90	
MO149	Haverstick/Midwest Dairy Co. well (MGS log # 6150)	353	-847	
MO150	W. Parkin and Sons/Hqs. Wappapello Dam #1 (MGS log # 5013)	742	347	
MO151	E.Ä. Cullum/U.S. C.C.C. Well # F-18 (MGS log # 3369)	580	-51	Ogs
MO152	Miss. River Fuel Co./Boste Station #1 (MGS log # 7288)	380	90	
MO153	L. Goggins/City of Lutesville well (MGS log # 6957)	415	-220	
MO154	U.S. C.C.C./S.A. Baker Park well (MGS log # 3185)	620	256	Pc (grn porhy)
MO155	A.N. Hood and others/D. Evans #1 (MGS log # 5876)	434	-43	Pc (grn porhy)
MO156	J.D. Judd and Son/U.S. C.C.C. well # F-5 (MGS log # 2996)	460	-190	
MO157	Houston Oil and Gas/#319-11A	530	-2423	Cla
MO158	Exxon Minerals/#KN-1	375	-1455	Pc (pink grn)
MO159	Kerr McGee/#W-4	510	-1560	Pc (grn)
MO160	Amoco/#1 Spence Trust	250	-9839	Cla
MO161	Cominco American/#SF-32	510	-2594	Cla
MO162	Monarch County Well	314		
MO163	(MGS log # 4)	530	-301	Pc
MO164	(MGS log # 5)	788	-931	Pc
MO166	(MGS log # 11508)	803	3	Orx
MO167	(MGS log # 11700)	770	-941	Cla
MO168	(MGS log # 11825)	730	-1283	Cla
MO169	(MGS log # 11873)	680	-320	Ogs
MO170	(MGS log # 12345)	948	-812	Cbn
MO171	(MGS log # 15543)	915	-719	Cla
MO172	(MGS log # 19530)	939	619	Cpo
MO173	(MGS log # 21180)	868	-432	Cdy-do
MO174	(MGS log # 28446)	640	-1756	Cbn
MO176	(MGS log # 28434)	570	-325	Cpo
MO177	(MGS log # 1968)	500	-1225	Oev
MO178	(MGS log # 2116)	466	-1751	Ojc
MO179	(MGS log # 18059)	369	-1101	Osp
MO180	(MGS log # 19679)	485	-1163	Osp

TABLE 1B.--Continued

Drill-Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
MO181	(MGS log # 24421)	636	-564	Oco
MO182	(MGS log # 27874)	470	-915	Opw-sv
MO183	(MGS log # 27879)	610	-440	Opw
MO184	Exxon Minerals/MH-1	550		
TENNESSEE				
TN1	Henderson Oil Co./#1 J. Fields (MGS log # 6041)	260	-2972	Cbn
TN2	Lazarov and Robilo Oil Co./#1 Beasley	405	-1362	
TN3	Henderson Oil Co./J.E Rice (Broadmoor) #1 (MGS log # 5830)	260	-2665	Cbn?
TN4	Hay-Fay Oil Co./#1 B. Morrison	411	-2294	
TN5	USGS and Tennessee Division of Geology/T-1-F	318	-2264	0
TN6	Nance and Vivadelli/#1 J.B. Donaldson	357	-3423	
TN8	C.L. McGuire/#1 J.B. Moore	445	-1735	0
TN10	E.R. Henderson/#1-B J.H. Jarrett	417	-3785	0 ? pre-srg
TN11	Corley, Geiselman and Benz/#1 J.E. Vaughan	280	-2310	Cl
TN12	Frazier and Benz/#1-B S. Hays	293	-1970	0 (ss)
TN13	Henderson Oil Co./A.E. Markham #1 (MGS log # 6996)	305	-3685 ?	Cl
TN14	Henderson Oil Co./#1-A L. Morris (MGS log # 5143)	298	-2285	Cbn
TN15	USGS/Ft. Pillow Test	437	-2748	Okxg?
TN16	Reelfoot Dome Oil Co./#1 K. Wright	307	-1768	0
TN17	R. Gear/#1 T.A. Lee	329	-2486	0 ?
TN18	Pure Oil Co./#1 C.W. Gray	303	-2995	Ckxg
TN19	USGS/T-1-M	570	-536	0
TN20	R. Gear/#1 Dyer Bros. (MGS log # 5808)	270	-2942	0-Ckxg
TN21	Henderson Oil Co./#1 F.B. Carroll (MGS log # 5141)	465	-2953	Cbn
TN22	USGS/T-2-M	351	-958	0
TN23	E.R. Owen/#1 Crumpler	390	-2685	Osrg
TN25	USGS and State of Tennessee/Test Hole T-18	390	-3000	Osrg
TN26	Lion Oil Co./#1 Bateman (MGS log # 6866)	250	-2610	(granite)
TN28	Pure Oil Co./#1 R.R. McGregor (MGS log # 6225)	270	-2483	0
TN30	Gulf Oil Corp./#1-A Spinks Clay	482	-10266	C(ss)
TN32	Benz Oil Co./#1 Marritt Estate	275	-5725	C(ss)
TN33	I.T. Johnson Oil Co./#1 S.J. Bradshaw (MGS log # 2717)	301	-2391	Cbn

TABLE 1B. --Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
TN34	Woweko Development Co./#1 V. Taylor	352	-2550	
TN35	Ratliff Farms Inc./#1 Miller-Cole-Pettit	292	-3701	
TN36	Appalachian Oil and Gas/#1 Dr. B.F. Mitchell	300	-8950	
TN38	Maralo Inc./#1 Keiser	274	-2446	
TN39	Maralo Inc./#1 Fuqua Estate	286	-2905	
TN40	M.J. Kissick/#1 J.B. Claxton	345	-3167	
TN42	Anderson and Kerr Drilling/#1-A P.P. Beasley	620	-1388	
TN44	Dyer Oil and Gas Co./#1 V. Holt	319	-1791	O ?
TN45	Spring Creek Development Co./#1 E.B. Sain	392	-2818	Okxg
TN47	Barnwell Drilling Co./#1 Shinault	430	-1670	
TN48	Big Chief Drilling Co./#1 H.H. Taylor	381	-6784	Pc(igs)
TN49	Lauderdale County Oil Co./#1 Craddock	303	-3827	C ?
TN50	W.J. Baum and others/#1 W.J. Baum	450	-665	
TN52	C.P. Knight/H. Graves #1	370	-1630	O
TN53	Benz Oil Co./N. Cherry #1	320	-2729	O
TN54	Benz Oil Co./C.L. Stover #1	355	-2650	O
TN55	Benz Oil Co./A. Yates #1	420	-3007	O
TN56	Benz Oil Co./B. Stover #1	400	-2281	O
TN57	Benz Oil Co./J.F. Magrum #1	340	-2385	O
TN58	L.M. Watson and others/#1 V. Holt	320	-2556	O ?
TN59	J.C. Ireland/#2 Dr. G.C. Lipps	557	-4043	C
TN60	J.C. Ireland/#1 Dr. G.C. Lipps	545	-425	
TN61	Stephens Petroleum Co./#1 Petrie	585	-4695	Ckxg-em
TN63	Hughes Petroleum Co./#1 Spinks-Clay	546	-5957	(ss)
TN65	Frazier and Benz/#1-A S. Hays	226	-1947	Cl
TN66	Memphis Equipment Co./#1-A J. Curtis	400	-3027	Okxg
TN67	Memphis Equipment Co./#1 H. Cordle	500	-4295	Ckxg
TN68	Benton County Oil and Gas Co./#1 C. Wilson	385	-1063	Osrg
TN69	Harris and Simmons/#1 A.O. Rush	517	-594	Okxg
TN70	Harris and Simmons/#1 F. Carrol	460	-567	Okxg
TN71	Gilmore and Shreve/#1 J.A. Scott	615	-1869	Okxg
TN72	Standard Oil of Louisiana Co./#1 W.C. Wyatt	514	-775	Okxg
TN73	Memphis Equipment Co./#1 J.A. Montgomery	517	-3373	Ckxg

TABLE 1B.--Continued

Drill-Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
TN74	Sardis Oil and Gas Co./#1 Lancaster	405	-695	Okxg
TN76	Chester County Oil Co./#1 J.A. Montgomery	520	-1991	Okxg
TN77	Sardis Oil and Gas Co./#1 J.J. Shannon	430	-646	Okxg
TN78	McKissick and others/#1 J.B. Clayton	345	-3167	Okxg
TN79	Wingfield and Dobie/#1 W. Strickland	386	-1114	Okxg
TN80		400	-3027	Okxg
TN82	Tennessee Land-U.S. Borax Co./HW1 W.R. Wood	425	-1683	O-Ckxg
TN83	Brains-Richardson/#2 L. Wright	510	-700	Okxg
TN84	Lewis/#1 O.H. Roberts	400	-1015	Okxg
TN85	Dixie Drilling Co./#1 H.P. Zimmerle	436	-981	Okxg
TN86	Harris and Simmons/#1 Foster	510	-493	Okxg
TN87	DuPont de Nemours/#2 Fee	384	-7071	Pc (arkose)
TN88	F. Waters Oil Co./#1 E.M. Baker	585	-825	Okxg
TN89	Haley Production Co./#1 M.V. Williams	315	-2013	Okxg
TN90	Berry and others/#1 A.J. Gray	364	-1586	Okxg
TN91	O.L. Norman and Sons/Springville School	381		
TN92	Dupont de Nemours and Co./GHS Well	525		
TN93	Midwest Tennessee Oil Co./#1 M. Marvin	391	-1247	O
TN94	Hassel and Associates/#1 M. Steele	363	-762	Okxg
TN95	Alworth/#1 F. Brown	495	-1008	Okxg
TN96	DePont de Nemours/#4 Fee	370	-6129	Ckxg
TN97	National Gasoline Corp./E. Dowdy #1	740	-1238	Okxg
TN98	P. Schulte and Kenyon/C. Hooper #1	860	-6132	Ckxg
TN99	Tennessee Oil and Gas Co./Anderson #1	474	-1545	Owc
TN100	DuPont de Nemours/Fee #1	382	-6348	C
TN101	Overby and others/F. Overby #1	645	-624	Ckxg
TN102	H.L. White and others/Shepard Heirs #1	504	-651	Owc-kxg
TN103	National Gasoline Corp./D.B. Peach #1	590	-1035 ?	kxg
TN104	Camp Lenden/Fee #1	560	-760 ?	Okxg
TN105	Riverside Oil and Gas/H.W. Mann	680	-530	Okxg
TN106	C.R. Craft/L. Lay #1	890	-710	Okxg
TN107	Western Oil and Gas/Wayne Land Co.	985	-823	Okxg
TN108	C.R. Craft/Tennessee Products Co. #1	1014	-1994	Okxg

TABLE 1B.--Continued

Drill- Hole ID	Operator/Owner	Ground Elev. (ft.)	Total Depth (ft.)	Strat. or Lith. at T.D.
TN109	Tennala Oil and Gas/R. Price #1	600	-1568	
TN110	Sardis Oil and Gas Co./Lancaster #1	405	-695	
TN111	Tenn-U.S. Borax/#1HL-1 T. Lambert	410	-1697 ?	
TN112	O.L. Norman and Sons/Springville School #1	445	-155	
TN113	Gulf Oil Co./Taylor #1	381		

TABLE 2B.

Drill- Hole ID	Paleozoic		Thick. (ft.)	Pennsylvanian		Thick. (ft.)	Mississippian		Thick. (ft.)
	Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit	
ALABAMA									
AL1	299	Dcg ?	11368						
AL2	636	P		636	P	1370	-734	M	1130 ?
ARKANSAS									
AR1	-2801	Mfy					-2801	Mfy	1610
AR2	-3473								
AR5	-2755	Op1							
AR6	-900								
AR7	-1378	Oev							
AR8	485	Oco							
AR10	-3347	Pat ?		-3347	Pat ?				
AR11	-3015								
AR12	-3283	M					-3283	M	944
AR14	-3041	Dpn ?							
AR15	-3188	Osrq							
AR16	-2874								
AR17	-3115	?							
AR18	-2965	D							
AR19	-3045	O							
AR20	-2946								
AR21	-3202								
AR22	-3198								
AR23	-2275	?							
AR24	-3051	O							
AR25	-3360	O							
AR26	-2550	? O							
AR27	-1888								
AR28	-2668	Op1							
AR29	-1855								
AR30	-1949	O							
AR31	-2643	Oev	11410						
AR32	-1422								
AR33	-725	Oev							
AR34	-1325	O							
AR35	-2539	Ojc							

TABLE 2B. --Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian		Thick. (ft.)
	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	
AR36	-2369	Opw					
AR37	-581 ?	Oev ?					
AR38	-1265	O					
AR39	-1610	O					
AR40	-128						
AR41	-465	O					
AR42	-55						
AR43	-952	Oco ?					
AR44	-1025	O					
AR45	-720	O					
AR46	-1104						
AR47	-926	Oix ?					
AR50	-848	Oev ?					
AR51	-75	O					
AR52	-3266 ?	O					
AR53	-3288	Op1?					
AR54	-2863						
AR55	-3080 ?	Op1					
AR56	-3104	O					
AR57	-3123	O					
AR58	-3230 ?	O					
AR59	-3237	Op1 ?					
AR60	115	Ojc					
AR61	460	P	75	Pjf	-2202	M	243
AR62	660	Oco					
AR63	-305 ?	Pat	-305 ?	Pat			
AR64	-267	Pat	-267	Pat	1536		1580
AR65	-56 ?	M					
AR66	-105 ?	M					
AR67	-4470 ?						
AR68	-4140 ?						
AR69	-3450 ?	Pat ?					
AR70	-2475 ?		-3315	Pat ?			
AR71	-2060 ?						
AR72	-1270 ?						
AR73	-2516	Pat ?	-2516	Pat ?			

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian		Thick. (ft.)
	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	
AR74	-1370 ?						
AR75	-1100 ?						
AR76	-3977						
AR77	-2666 ?	Oev					
AR78	-2719 ?	O					
AR79	-4328						
AR81	-1047						
AR82	-445 ?	O					
AR83	-2470						
AR84	-2327 ?						
AR85	-4348	P	-4348	P			
AR86	-1668 ?						
AR87	-2587						
AR88	-1677						
AR89	-104						
AR90	388	P	388	P			3400
AR92	-1889						
AR93	-1746						
AR94	327 ?	Mrd					327 ? Mrd
AR95	595	Op1-jo					
AR96	-3345	Pat ?	-3345	Pat ?			
AR97	-1930	M					
AR98	-2620 ?	Oev					
AR99	-2591	Opw-co					
AR102	-465	Pmw					
AR103	-820 ?	Pat					
AR104	-2965 ?						
AR105	-3565	Pat ?	-465	Pmw			4655
AR106	-1350 ?	Pbh-pg	-820 ?	Pat			
AR107	-4120 ?	Pat ?					
AR108	-358 ?	Pat-sy ?	-358 ?	Pat-sy?			
AR109	-100 ?	Oco					
AR111	-3083 ?	Pat	-3083	Pat			
AR112	-1416 ?	Psy	-1416 ?	Psy			
AR114	-800 ?	Oev-pw					
AR115	-4580 ?						

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian		Thick. (ft.)
	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	
AR116	780						
AR117	403 ?	Pmw	403 ?	Pmw			
AR118	-1297 ?				2533 ?		268 ?
AR119	-1400	Pmw	-1400	Pmw			
AR120	800	Oco					
AR121	809	Oco					
AR122	575 ?	Ojc					
AR123	573	Ojc					
AR124	-1510 ?	Pat	-1510 ?	Pat-bh			
AR125	-1866						
AR126	220 ?						
AR127	260	Pat	260	Pat			
AR128	250	Pat-bh	250	Pat			

ILLINOIS

IL1	340
IL2	198
IL4	143
IL5	213
IL10	-125
IL11	336
IL12	250
IL13	340
IL14	285
IL15	290
IL16	264
IL18	150
IL19	270
IL20	300
IL21	185
IL22	260
IL23	240
IL24	145
IL25	180
IL26	205

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian	
	Depth (ft.)	Subcrop Unit	Thick. (ft.)	Depth (ft.)	Subcrop Unit	Thick. (ft.)
IL27	303					
IL28	113					
IL29	49					
IL30	-130					
IL31	-54					
IL32	-161					
IL33	320					
IL34	154					
IL36	245					
IL37	370					
IL38	126					
IL41	122					
IL42	192	Db1				
IL44	130					
IL49	-30					
IL50	-2					
IL52	8					
IL53	258					
IL54	293					
IL57	280					
IL58	350					
IL61	372					
IL63	307					
IL65	374					
IL66	352					
IL67	411					
IL71	78					
IL72	270					
IL73	210					
IL74	290					
IL77	316					
IL78	300					
IL80	239					
IL81	247					
IL83	175					
IL89	216					

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian		Thick. (ft.)
	Depth (ft.)	Subcrop Unit	Thick. (ft.)	Depth (ft.)	Subcrop Unit	Depth (ft.)	
IL90	219						
IL93	210						
IL94	185						
IL95	257						
IL97	270						
IL98	239						
IL100	173						
IL101	90						
IL103	62						
IL108	354						
IL109	315						
IL110	318						
IL113	272						
IL114	150						
IL115	195						
IL116	212						
IL118	167						
IL119	300						
IL120	370						
IL121	305						
IL122	320						
IL124	33						
IL126	205						
IL127	166						
IL128	386						
IL129	251						
IL131	183						
IL132	134						
IL136	153						
IL137	496						
IL138	308						
IL139	557						
IL140	435						
IL141	406						
IL142	400						
IL143	319						

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian		Thick. (ft.)
	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	
IL144	330						
IL147	253				193	Msl	1482
IL148	193						
IL149	317						
IL152	221						
IL153	580	M			580	M	2511
IL154	450	Omq					
IL155	-392						
IL156	375		12995				
IL157	502 ?	Pmd	15073 ?	502 ?	-930	Mkk	2894
IL158	447	Mts			447	Mts	2234
KENTUCKY							
KY1	-1700	Ckxg (em-po ?)					
KY2	-1666	Ojc					
KY4	-1612	Opw-co					
KY5	-1250	Otrg					
KY8	-677	O					
KY10	-7	Dgt ?					
KY11	-23	Dcc					
KY12	-152	Mpf			-152	Mpf	356
KY13	135	Dgt ?					
KY14	240	Dna					
KY15	203	Mfp			203	Mfp	238
KY16	-117	Db1					
KY17	440	M			440	M	290
KY18	-830	Ojc-dt					
KY19	-408	Dgk-ba					
KY20	-417	Db1					
KY21	-823	Op1					
KY23	-238	Dcc-gk					
KY24	7	M			7	M	645
KY25	-283	M ?			-283	M ?	220 ?
KY28	-48	M			-48	M	445
KY29	-20	M			-20	M	470
KY30	-91	M			-91	M	240

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Thick. (ft.)	Mississippian		Thick. (ft.)
	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit	
KY31	-119	Dcc						
KY32	110	D						
KY34	5	M				5	M	
KY35	-300?					-607	Mfp	15
KY36	-250	Ppd	-250	Pbd	1350	-1600	Mbc	2250
KY37	-504	Pcv	-504	Pcv	695	-1199	M	2665
KY38	450	P	450	P	342	108	Mkk	2538
KY39	500 ?							
KY40	550 ?							
KY41	-23							
MISSISSIPPI								
MS1	-712	O				-712 ?	M ?	179
MS2	-3817	P	-3817	P	7328	-11045	M	136
MS3	-700	O						
MS4	-3326	M				-3326	M-D	656
MS5	-3755	M				-3755	M	255
MS6	-2800							
MS7	-2752							
MS8	-2030	M				-2030	M	
MS9	-3279							
MS10	-2975							
MS11	-685	D						
MS12	-365	D						
MS13	-2630	D						
MS14	-1345					-1910 ?	M	200 ?
MS15	119	D	-1345 ?	P	565			
MS16						-2650	M	1140
MS17	-903 ?					-903 ?	M	1573
MS18	-796		-796	P	209	-1005	M	
MS19	50 ?							
MS20	181					181	M	
MS21						-889	Mes	
MS22						-1468	Mtu	
MS23	-162					-263	M	
MS24						-965	M	

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian		Thick. (ft.)
	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	
MS25	108				-1262	Mtu	
MS26					-682	Mct	
MS27	-107				15	M	
MS28	15						
MS29	-158						
MS30	-635	P	-635	P			
MS31	149				149	M	
MS32	-433	P	-433	P	-855	M	
MS33	-927						
MS34	-909	M ?			-909	M ?	283
MS35	-706				-706	Mcs	352
MS36	-827						
MS37	-535	P	-535	P	-687	Mcs	
MS38	-725						
MS39	-1302		-1302	P	-1302	Mls	
MS40					-1017	Mml	
MS41	-851						
MS42	-183						
MS43	8				8	Mhs	
MS44	-2920	P	-2930	P			
MS45	-2919						
MS46	313 ?		313 ?	P			
MS47	220	M			220	M	369
MS48	495	M			495	Mdt	630
MS49	208				208	Mhs	
MS50	-1323						
MS52					-1549	Mml	
MS53					-1212	M	
MS54	-1277	Ppt	-1277	Ppt	-2559	Mct	
MS55					-1997	M	
MS56	-736	P	-736	P	-1293	M	
MS57	-679	P ?	-679 ?	P ?	-984	M	
MS58	-1000	Ppt	-1000	Ppt	-2263	M	1465
MS59	45						
MS60					-1535	M	
MS61	-684						

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian	
	Depth (ft.)	Subcrop Unit	Thick. (ft.)	Depth (ft.)	Subcrop Unit	Thick. (ft.)
MS62	-721	P ?		-721 ?	P ?	
MS63	-1403					1275
						-1996
						M
MISSOURI						
M02	-62	Osv				
M04	-31 ?					
M05	194	Ojc				
M06	87	Osv				
M07	270	Oco				
M08	215	O				
M09	320 ?	Oco ?				
M011	450	Ojc				
M012	265	O				
M013	400	Ojc				
M014	371	Ojc				
M015	385	Ojc				
M016	285	Oev				
M018	340	Oev				
M019	323	Oev				
M021	300	Oev				
M022	219	Oev ?				
M024	188	Oev				
M026	324	Opw				
M027	310	Opw ? (sv)				
M029	362	Osv				
M031	330	Osv				
M032	316	Opw				
M033	203	Opw				
M034	203 ?	Opw-sv				
M035	311					
M036	324	Opw-sv				
M037	288					
M038	375	Op1				
M039	230	Op1				
M042	355	Ojo				
M043	316	Ojo				

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian	
	Depth (ft.)	Subcrop Unit	Thick. (ft.)	Depth (ft.)	Subcrop Unit	Thick. (ft.)
M044	295	Op1				
M048	339	Oev				
M049	365	Ojo				
M051	260	Op1				
M055	295	Odt				
M057	355	Oev				
M058	495	Osp				
M059	330	Odt				
M060	212 ?	Oev				
M062	340	Oev				
M063	291	Ocn ?				
M064	240	Ocn				
M065	336	Opw				
M066	476	Osv				
M067	320	Oco				
M068	342	Ojc				
M069	316 ?	Okw				
M071	363	Op1-rl				
M074	334	Or1				
M077	390	Op1				
M078	410	Op1				
M079	366	Op1				
M080	420	Op1				
M081	421	Op1-jo-dt				
M082	330	Op1-jo				
M085	258	Ojo				
M086	405	Ojo				
M087	205	odt				
M089	185	odt				
M090	478	Op1				
M091	370	Odt				
M094	-2454	Cbn				
M095	-1558					
M096	-1789	Cem- (po ?)				
M098	-1740	Cdy				
M099	-213	Orx ?				

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian		Thick. (ft.)
	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	
M0100	-1018	? Ojc					
M0102	178	? Orx					
M0103	247						
M0104	304	? Ojc					
M0105	228						
M0106	280	? Ojc					
M0107	-1132	Oco					
M0108	306						
M0109	-1258	Oco					
M0110	281	Orx					
M0111	-1132	Okw ?					
M0112	370	Orx					
M0114	250	Ogs					
M0115	198	?					
M0116	211	Orx					
M0117	404	Orx					
M0118	380	Orx					
M0119	-303	Ocn					
M0120	395	O					
M0121	-214	Ocn					
M0122	-157	Opw					
M0123	-113	Ojc					
M0124	226	Orx					
M0125	111	Ojc					
M0126	-506	Opl					
M0127	479	Orx					
M0128	-460	?					
M0129	-389	Opw ?					
M0130	-174						
M0131	-73						
M0132	-69						
M0133	-174						
M0134	385	Ojc					
M0135	28	Ojc					
M0136	356	Ojc ?					
M0137	296	Opw ?					

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian	
	Depth (ft.)	Subcrop Unit	Thick. (ft.)	Depth (ft.)	Subcrop Unit	Thick. (ft.)
MO138	338	Orx				
MO140	510	Orx				
MO141	265	Orx				
MO143	-575	Orx ?				
MO145	355	Orl				
MO146	255	Oev				
MO147	222	Op1				
MO148	405	Ojo				
MO149	330	Okw				
MO150	742	Orx				
MO151	580	Orx				
MO152	380	Ogs				
MO153	395	Ojc				
MO154	620	Cbn	365			
MO156	640	Ogs				
MO159	450	Ogs	992			
MO160	-1678	Okxg				
MO161	180	O				
MO166	718	Opw				
MO167	565	Cem				
MO168	654	Ogs				
MO169	620	Opw				
MO170	873	Ojc				
MO171	675	Cem				
MO172	746	Cem				
MO173	663	Orx				
MO174	630	Ojc				
MO176	150	Ogs				
MO177	445	Okw				
MO178	416	Op1				
MO179	359	Sba				
MO180	160	? Omq				
MO181	606	Osp				
MO182	445	Ojo				
MO183	575	Op1				
MO184	550					

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian	
	Depth (ft.)	Subcrop Unit	Thick. (ft.)	Depth (ft.)	Subcrop Unit	Thick. (ft.)
TENNESSEE						
TN1	-2507	Ckxg (em-po ?)				
TN2	-1358 ?					
TN3	-2290					
TN4	-1582					
TN5	-2214					
TN6	-673	Ckxg (em-po ?)				
TN8	-1675					
TN10	-1739	O ?				
TN11	-2160 ?	C1a ?				
TN12	-1965 ?	O ?				
TN13	-1925					
TN14	-2255	Cbn ?				
TN15	-2706	Okxg ?				
TN16	-1667					
TN17	-2319	Okxg?				
TN18	-2277	Ckxg (em-po ?)				
TN19	-502					
TN20	-2231					
TN21	-2225					
TN22	-919					
TN23	-2649 ?	O				
TN25	-2984					
TN26	-2470					
TN28	-2320 ?					
TN30	-598					
TN32	-2175	Cpre-ms ?				
TN33	-2307 ?					
TN34	-1868 ?					
TN35	-3044 ?					
TN36	-2930	Okxg				
TN38	-2446					
TN39	-1994?					
TN40	-1825					
TN42	-1312	Opre-tr ?				

TABLE 2B.--Continued

Drill- Hole ID	Paleozoic		Pennsylvanian		Mississippian			
	Depth (ft.)	Subcrop Unit	Thick. (ft.)	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	Thick. (ft.)
TN44	-1488	?						
TN45	-948							
TN47	-1663	O						
TN48	-1839	Ogs	4661	?				
TN49	-2135	Ckxg(em-po ?)						
TN50	-660	?						
TN58	-1681							
TN59	-381	Op1						
TN60	-375							
TN61	120	Swa						
TN63	-456	? Oev						
TN66	400	D						
TN71	-575	O(kxg ?)						
TN76	430	S						
TN77	425	?						
TN78	-1825							
TN79	358	Otrg						
TN83	85							
TN85	199							
TN89	-1985	O ? kxg						
TN90	364	M-Dcg			364	M-Dcg		77
TN92	310	? D						
TN93	227	M-Dcg			227	M-Dcg		
TN94	340	? Otr						
TN95	475	Otr						
TN97	220	M-Dcg			220	M-Dcg		
TN98								
TN99	474	M-Dcg			262	M-Dcg		30
TN100	272	S-O			474	M-Dcg		45
TN101	556	? M-Dcg						
TN102	399	? Sdx			556	M-Dcg		
TN103	590	Sdu						
TN105	680	? Mfp			680	Mfp		123
TN107	985	? Mfp			985	Mfp		
TN108					720	M-Dcg		
TN113	-1818	Oco-jc-rx	4700	?				

TABLE 3B.

Drill- Hole ID	Devonian		Silurian		Ordovician		Thick. (ft.)	Thick. (ft.)	Thick. (ft.)	
	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit				
ALABAMA										
AL1	299	Dcg ?	424		-1864	S	275	-125	0	
AL2								-2139	0	
ARKANSAS										
AR1	-4411	Dpn	110	-4521	S-D		360	-4881	Ocs	5227 ?
AR5								-2755	Op1	
AR7								-1378	Oev	5040
AR8								485	Oco	
AR12	-4227	Dpn	358					-4585	0	
AR14	-3041	D ? pn								
AR15										
AR18	-2960	D	140	-3105	S		70	-3188	Osrg	
AR19								-3175	Op1	
AR24								-3045	0	
AR25								-3051	0	
AR26								-3360	0	
AR28								-2550 ?	0	
AR30								-2668	Op1	
AR31								-1949	0	
AR33								-2643	Oev	6405
AR34								-725	Oev	
AR35								-1325	Osp	
AR36								-2539	Ojc	1512
AR37								-2369	Opw	
AR38								-581 ?	Oev ?	
AR39								-1265	0	
AR41								-1610	0	
AR43								-465	0	
AR44								-952	Oco ?	
AR45								-1025	0	
AR47								-720	0	
AR50								-926	Orx ?	
AR51								-848	Oev ?	
AR52								-75	0	
AR53								-3266 ?	0	
AR53								-3288	Op1 ?	

TABLE 3B.--Continued

Drill- Hole ID	Devonian		Thick. (ft.)	Silurian		Thick. (ft.)	Ordovician		Thick. (ft.)
	Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit	
AR55							-3080 ?	Opl	
AR56							-3104	O	
AR57							-3123	O	
AR58							-3230	O	
AR59							-3237	Opl ?	
AR60							115	Ojc	
AR61	-2445	Dpn	53	-2498	S	7	-2505	Ocs	
AR62							660	Oco	1245
AR63							-1940 ?	Okw	
AR64	-3383	D	1465				-4848	Opw	
AR77							-2666 ?	Oev	
AR78							-2719 ?	O	
AR82							-445 ?	O	
AR90				-3012	S	115	-3127	Okw	
AR94	-222	Dpn	79	-301	S	62	-363	Ofv	
AR95							595	Opl-jo	595 Opl-jo
AR97							-4775 ?	O ? arg	
AR98							-2620 ?	Oev	5158
AR99							-2591	Opw-co	8159 ?
AR102	-5120	Dpn	35				-5155	Ocs	
AR109							-100 ?	Oco	
AR114							-800 ?	Oev-pw	
AR117	-2398	Dpn	91	-2489	S	19	-2508	Ofv	
AR120							800	Oco	1541
AR121							809	Oco	
AR122							575 ?	Ojc	
AR123							573	Ojc	
AR128							-6384	Oev	
ILLINOIS									
IL42	192	Db1	384	-293	Ssc-ms	202	-495	Omq	
IL148	-1195	Dna	1580	-2775	Smc	303	-3105	Omq	
IL153	-1560	Dna		-3091	Smc	336	-3427	Omq	5423
IL154							450	Omq	
IL157	-3824	Dna	1522	-5346	Smc	378	-5724	Omq	
IL158	-1789	Dna	2131	-3044	Smc	219	-3263	Osx	8047 ?

TABLE 3B.--Continued

Drill- Hole ID	Devonian		Silurian		Ordovician		Thick. (ft.)
	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	
KENTUCKY							
KY2					-1666	Ojc	
KY4					-1612	Opw-co	
KY5					-1250	Otrg	
KY8					-677	O	
KY10	-7	Dgt ?					
KY11	-23	Dcc	-813	Sdu ?	-1245	Omq	432
KY12	-508	Djv					
KY13	135	Dgt ?					
KY14	240	Dna					
KY15	-35	Djv	-452	Sbf	-490	Obrg	38 ?
KY16	-117	Db1	-316	Sbp	-637	Omq	221
KY17	150	Dna					
KY18					-830	Ojo-dt	
KY19	-408	Dgk-ba	-680	Sdu ?	-1085	Omq	405
KY20	-417	Db1	-467	Sba ?	-767	Omq-tb	240
KY21					-823	Op1	
KY23	-238	Dcc-gk	-1030	Sba	-1188	Omq	158
KY24	-638	Dcc	-1368	Sbp			
KY25	-503	D					
KY28	-493	Dna					
KY29	-490	Dna					
KY30	-331	Dna					
KY31	-119	Dcc	-667	Sba	-957	Omq-tb	234
KY32	110	D	-968	Sba			
KY35	-622	Dna	-2614	Smc	-2877	Omq	263
KY36	-3850	Dna	-5660	S	-5810	Omq	150
KY37	-3864	Dna	-5584	Smc	-5802	Omq	218
KY38	-2430	Dna	-3710	Smc	-3825	Omq	115
KY39	-2398	Dna			-1637	Ohbg	
KY41	-23	Dgk	-809	Smc	-1173	Omq	364
MISSISSIPPI							
MS1	-891	D	-1297	S			
MS2			-1272	S			

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TABLE 3B.--Continued

Drill- Hole ID	Devonian		Thick. (ft.)	Silurian		Thick. (ft.)	Ordovician		Thick. (ft.)
	Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit	
MS3							-700	O	
MS4	-3976	D		-3976	S		-4223	O	
MS5	-4010	D	830 ?		S-D	230 ?	-5210	O	
MS8							-3088	O	
MS11	-685	D?	518	-1203	S	229	-1432	O	
MS12	-365	D	580	-945	S	133	-1078	O	
MS13	-2710	D	250	-2960	S	165	-3125	O	
MS14	-2110 ?	D-S	1006 ?	-3116 ?	S	154 ?	-3270 ?	O	
MS15	119	D	345	-226	S	125	-351	Otrg	
MS16	-3790	D							
MS17	-2476	D							
MS34	-1192	D	456	-1648 ?	S	394	-2042	O	
MS35	-1063	D	503	-1566	Sbp ?	290	-1831	O	
MS41				-1404	S	352	-1756	Otr	
MS42	-588	D	45	-633	S	150	-783	O	
MS43							-700	Oxkg ?	
MS46	83	D-S					-1107	O	
MS47	-149	D	111	-260	S	330	-590	O	
MS48	-131	D	60	-191	Sbp				
MS58	-3728	D							
MISSOURI									
MO2							-62	Osv	
MO4							-221	Osp ?	1880
MO5							194	Ojc	
MO6							87	Osv	
MO7							270	Oco	
MO8							215	O	
MO9							320 ?	Oco ?	
MO11							450	Ojc	
MO12							265	O	
MO13							400	Ojc	
MO14							371	Ojc	
MO15							385	Ojc	
MO16							285	Oev	
MO18							340	Oev	

TABLE 3B. ---Continued

Drill- Hole ID	Devonian		Silurian		Ordovician		Thick. (ft.)
	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	
MO19					323	Oev	
MO21					300	Oev	
MO22					219	Oev ?	
MO24					188	Oev	
MO26					324	Opw	
MO27					310	Opw ? (sv)	
MO29					362	Osv	
MO31					330	Osv	
MO32					316	Opw	
MO33					203	Opw	
MO34					203 ?	Opw-sv	
MO36					324	Opw-sv	
MO38					375	Op1	
MO39					230	Op1	
MO42					355	Ojo	
MO43					316	Ojo	
MO44					295	Op1	
MO48					339	Oev	
MO49					365	Ojo	
MO51					260	Op1	
MO55					295	Odt	
MO57					355	Oev	
MO58					495	Osp	
MO59					330	Odt	
MO60					212 ?	Oev	
MO62					340	Oev	
MO63					291	Ocn ?	
MO64					240	Ocn	
MO65					336	Opw	
MO66					476	Osv	
MO67					320	Oco	1225
MO68					342	Ojc	
MO69					316 ?	Okw	
MO71					363	Op1-rl	
MO74					334	Or1	
MO77					390	Op1	

TABLE 3B. --Continued

Drill- Hole ID	Devonian		Thick. (ft.)	Silurian		Thick. (ft.)	Ordovician		Thick. (ft.)
	Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit	
MO78							410	Op1	
MO79							366	Op1	
MO80							420	Op1	
MO81							421	Op1-jo-dt	
MO82							330	Op1-jo	
MO85							258	Ojo	
MO86							405	Ojo	
MO87							205	odt	
MO89							185	odt	
MO90							478	Op1	
MO91							370	odt	
MO99							-213	Orx ?	
MO100							-1018	Ojc	994
MO102							178 ?	Orx	
MO104							304 ?	Ojc	1055
MO106							280 ?	Ojc	
MO107							-1132	Oco	
MO109							-1258	Oco	
MO110							281	Orx	
MO111							-1132	Okw ?	
MO112							370	Orx	855
MO114							250	Ogs	640
MO116							211	Orx	
MO117							404	Orx	
MO118							380	Orx	
MO119							-303	Ocn	
MO120							395	O	
MO121							-214	Ocn	
MO122							-157	Opw	1557
MO123							-113	Ojc	1135
MO124							226	Orx	
MO125							111	Ojc	983
MO126							-506	Op1	
MO127							479	Orx	675
MO129							-389	Opw ?	
MO134							385	Ojc	

TABLE 3B.--Continued

Drill- Hole ID	Devonian		Silurian		Ordovician		Thick. (ft.)
	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	Depth (ft.)	Subcrop Unit	
MO135					28	Ojc	
MO136					356	Ojc ?	
MO137					296	Opw ?	
MO138					338	Orx	
MO140					510	Orx	523
MO141					265	Orx	375
MO143					-575	Orx ?	
MO145					355	Orl	
MO146					255	Oev	
MO147					222	Opl	
MO148					405	Ojo	
MO149					330	Okw	
MO150					742	Orx	
MO151					580	Orx	
MO152					380	Ogs	
MO153					395	Ojc	
MO156					640	Ogs	345
MO159					450	Ogs	228
MO160					-1678	Okxg	3499
MO161					180	O	2080
MO166					718	Opw	
MO168					654	Ogs	
MO169					620	Opw	
MO170					873	Ojc	
MO173					663	Orx	
MO174					630	Ojc	
MO176					150	Ogs	
MO177					445	Okw	
MO178					416	Opl	
MO179							
MO180				359	Sba		
MO181					180	Omq	
MO182					606	Osp	
MO183					445	Ojo	
					575	Opl	

TENNESSEE

TABLE 3B.--Continued

Drill- Hole ID	Devonian		Thick. (ft.)	Silurian		Thick. (ft.)	Ordovician		Thick. (ft.)
	Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit	
TN1									
TN10									794
TN12									
TN15									
TN17									
TN23									
TN30									4100
TN36									4320
TN42									
TN47									
TN48									740
TN59									
TN61				120	Swa	89			
TN63									
TN66	400	D	255	145	S	95			3975 ?
TN76				430	S	60			
TN88				49	Slg	64			
TN90	287	Dpg	478	-191	Sdu	255			
TN92	310	D	60 ?	240 ?	S	340 ?			3225 ?
TN94									
TN95									
TN96									
TN97									
TN99									
TN100				41	Slr	1126			5030
TN102				424	S	450			
TN103				272	S-O	130			
TN105				399	Sdx	295			
TN106				590	Sdu	295			
TN107									
TN108				862	Sdu	343			
TN109				711	Slr	55			
TN111									
TN112									
TN113				280	S				1620 ?

TABLE 4B.

Drill- Hole ID	Knox (Arbuckle) Group		Thick. (ft.)	Cambrian		Thick. (ft.)	Precambrian	
	Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Lith.
ALABAMA								
AL1	-999	O ? kxg						
ARKANSAS								
AR1								
AR5				-7982	Cda ?		-14169	(red grn)
AR7	-1465	Opw	6615	-6418	Cem			
AR8	485	Oco						
AR31	-4528	Opw	4777	-8748	? Cem	5005	-14053	(gneiss)
AR34	-2920	Opw-co						
AR35	-2539	Ojc		-4057	Cem			
AR36	-2369	Opw	3890	-3375	?			
AR43	-952	Oco ?						
AR47	-926	Orx ?						
AR60	115	Ojc						
AR61	-4375	Opw						
AR62	660	Oco		-585	Cem-po			
AR63	-3537	Opw						
AR64	-4848	Opw						
AR97	-4775	O ? arg						
AR98				-7778	C			
AR99	-2591	Opw-co		-4800	? Cbn			
AR103				11000	Cbn			
AR109	-100	? Oco						
AR114	-800	? Opw ?						
AR120	800	Oco						
AR121	809	Oco						
AR122	575	? Ojc		-741	Cem-po			
AR123	573	Ojc						
AR127	-8740	O ? pw ?						
ILLINOIS								
IL42	-2332	Ojc						
IL153	-7880	Orx	2520				-8850	Cem
IL154	-4450	Osk	2250					Cem
IL156								-12620

Drill- Hole ID	Knox (Arbuckle) Group		Thick. (ft.)	Cambrian		Thick. (ft.)	Precambrian	
	Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Lith.
IL157	-7856	Okxg		13771 ?	Cms	800 ?	-14571 ?	
KENTUCKY								
KY1	-1700	Ckx(em-po ?)		-1700	Ckx(em-po ?)			
KY2	-1666	Ojc						
KY4	-1612	Opw-co						
KY16	-2407	Ocn						
KY35	-4587	Okxg						
KY36	-7250 ?	Okxg	3890 ?	-9130	Cem			
KY37	-7290	Okxg						
KY38	-5270	Okxg						
KY39	-5878	Okxg						
KY40	-3295	Okxg						
MISSISSIPPI								
MS2	-12595 ?							
MS11	-1850	Okxg ?						
MS12	-3820	O ? kx						
MS34	-2433	Okxg ?						
MS35	-2266	O ? kxg						
MS43	-700	Okxg ?	213					
MISSOURI								
MO2	-1012	Opw						
MO4	-1176	Orx ?		-2101	Cem-po			
MO5	194	Ojc						
MO7	270	Oco						
MO9	320 ?	Oco ?						
MO11	450	Ojc						
MO13	400	Ojc						
MO14	371	Ojc						
MO15	385	Ojc						
MO26	324	Opw						
MO27	310	Opw ? (sv)						
MO32	316	Opw						
MO33	203	Opw						

TABLE 4B.--Continued

Drill- Hole ID	Knox (Arbuckle) Group			Thick. (ft.)	Cambrian		Thick. (ft.)	Precambrian	
	Depth (ft.)	Subcrop Unit	Group		Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Lith.
M034	203 ?	Opw-sv							
M036	324 ?	Opw-sv							
M042	-180	Opw							
M063	291	Ocn ?							
M064	240	Ocn							
M065	336	Opw			-1154	Cem			
M067	320	Oco		1225	-905	Cem			
M068	342	Ojc							
M094					-2454	Cbn			
M096	-1789	Cem-(po ?)		752	-1789	Cem-(po ?)			
M098					-1740	Cdy			
M099	-213	Orx ?							
M100	-1018	Ojc		1479	-2012	Cem			
M102	178 ?	Orx							
M104	304 ?	Ojc			-751	Cem			
M106	280 ?	Ojc							
M107	-1132	Oco							
M109	-1258	Oco							
M110	281	Orx							
M111	-3297	Orx							
M112	370	Orx			-485	Cem			
M114	250	Ogs			-390	Cem			
M116	211	Orx							
M117	404	Orx							
M118	380	Orx							
M119	-303	Ocn							
M121	-214	Ocn							
M122	-157	Opw							
M123	-113	Ojc		2282	-1714	Cem			
M124	226	Orx			-1248	Cem			
M125	111	Ojc							
M127	479	Orx			-872	Cem			
M129	-389	Opw ?			-196	Cem			
M134	385	Ojc							
M135	28	Ojc							
M136	356	Ojc ?							

TABLE 4B.--Continued

Drill- Hole ID	Knox (Arbuckle) Group		Thick. (ft.)	Cambrian		Thick. (ft.)	Precambrian		
	Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Lith.	
MO137	296	Opw ?							
MO138	338	Orx							
MO140	510	Orx		-13	Cem				
MO141	265	Orx		-110	Cem				
MO143	-575	Orx ?							
MO146	-165	Opw ?							
MO150	742	Orx							
MO151	580	Orx							
MO152	380	Ogs							
MO153	395	Ojc							
MO154				620	Cbn	365 ?	255	(grn porhy)	
MO155				29 ?	Cbn	42 ?	-13	(grn porhy)	
MO156	640	Ogs		295	Cem				
MO157	-1073	Cpo	332	-1073	Cpo				
MO158	-541	Cpo	81	-541	Cpo	912	-1453	(pink grn)	
MO159	450	Ogs	1210	222	Cem	1764	-1542	(grn)	
MO160	-1678	Okxg	4883	-5176	Cem-po ?				
MO161	-1900	Cem-po		-1900	Cem				
MO166	718	Opw							
MO167	565	Cem		565	Cem				
MO168	654	Ogs							
MO169	620	Opw							
MO170	873	Ojc							
MO171	675	Cem		675	Cem				
MO172	746	Cem		746	Cem				
MO173	663	Orx							
MO174	630	Ojc							
MO176	150	Ogs							
TENNESSEE									
TN1	-2507	Ckxg (em-po ?)		-2507	Ckxg (em-po ?)				
TN6	-673	Ckxg (em-po ?)		-673	Ckxg (em-po ?)				
TN10	-2533	Ckxg		-2533	Ckxg				
TN11				-2157 ?	Cl a ?				
TN14				-2255	Cbn ?				
TN15	-2706	Okxg ? (em-po ?)		-2706	Ckxg (em-po ?)				

TABLE 4B.--Continued

Drill- Hole ID	Knox (Arbuckle) Group		Thick. (ft.)	Cambrian		Thick. (ft.)	Precambrian	
	Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Lith.
TN17	-2319 ?	Okxg ?						
TN18	-2277	Ckxg (em-po ?)		-2277	Ckxg (em-po ?)			
TN30	-2218	Opw	4860	-4628	Cem ?			
TN32				-2175	Cpre-ms ?			
TN36	-2930	Okxg	3890 ?	-7250	Ccgg			
TN48	-1839	Okxg	3111	-2579	Cem			
TN49	-2135	Ckxg (em-po ?)		-2135	Ckxg (em-po ?)			-6500 ? Pc(igs)
TN59	-1210	Okxg						
TN61	-710 ?	Okxg						
TN63	-1556 ?	O-Ckxg	2875	-4431 ?	Celg ?			
TN66	-830 ?	Okxg						
TN67	-413	Okxg	3190	-3605 ?	Ccpg			
TN69	-378 ?	Okxg						
TN70	-480	Okxg						
TN71	-575	O (kxg ?)						
TN72	-496	Okxg						
TN73	-403	Okxg						
TN76	-405	Okxg						
TN79	-404	Okxg						
TN83	-325	Okxg						
TN84	-650	Okxg						
TN85	-684 ?	O ? kxg						
TN86	-398 ?	O ? kxg						
TN87	-1268	C ? kxg						
TN88	-701	O ? kxg						
TN89	-1985	O ? kxg						
TN90	-1346	Okxg						
TN92	-1250 ?	Okxg	2075 ?	-3325 ?	Ccpg			
TN94	-551 ?	Okxg						
TN95	-557	Okxg						
TN96	-1228 ?	Ckxg						
TN97	-1167	Okxg						
TN98	-987	O?kxg						
TN99	-1176	Okxg						
TN100	-1238	Okxg	4930 ?	-3918	Cem-po			
TN101	-600 ?	Okxg						

TABLE 4B.--Continued

Drill- Hole ID	Knox (Arbuckle) Group		Thick. (ft.)	Cambrian		Thick. (ft.)	Precambrian	
	Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Unit		Depth (ft.)	Subcrop Lith.
TN102	-651	Owc-kxg						
TN103	-705	Okxg						
TN104	-635	? Okxg						
TN105	-485	Okxg						
TN106	-520	Okxg						
TN107	-423	Okxg						
TN108	-369	O ? kxg						
TN109	-382	Okxg						
TN111	-733	O ? kxg						
TN113	-1818	Okxg (co-jc-rx)	1490	-3438	Cem-po	3080	-6518	Pc ? (igs)