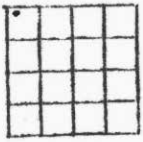
County Holt



sec. 4 T. 59 R. 37

Owner Miller & Harper

Elev. 1134 MGS# 8596

Farm Moss No. 1 TD 2175 Shows — Spls. V

Status Date Completed 7-12-44 Fm@TD Dev.

Remarks:

00035
00010

Log of Miller, *et al* No. 1 Moss. Location: Cen. NW 1/4 NW 1/4 NW 1/4 sec. 4, T. 59 N., R. 37 W., Holt County, Missouri. Surface elevation 1130 feet. (Level of rotary table, 1134 feet). Commenced, 7-17-44, and completed, 8-11-44. Total depth, 2175 feet. Drilled with rotary to 1735 feet, and cable tools to 2175 feet. Casing record: 7 inch set at 1735 feet. Contractors: B. & T. Drilling Co. to 1735 feet, and Bates Drilling Co., 1735 to 2175 feet.

FORMATIONAL SUMMARY

	Thickness, feet	*Depth, feet*
No samples	100	100
Pennsylvanian system:		
Shawnee group	206	306
Douglas group	256	562
Lansing-Kansas City groups	285	847
Henrietta-Pleasanton groups	173	1020
Cherokee group	715	1735
Mississippian system:		
Ste. Genevieve formation	38	1773
St. Louis formation	17	1790
Spergen formation	29	1819
Warsaw formation	31	1850
Keokuk-Burlington formations	124	1974
Chouteau formation (may include the Gilmore City formation in upper 50 feet)	94	2068
Kinderhook shale	74	2142
Devonian system:		
"Hunton lime"	33	2175, T.D.

RECENT DRILLING

in

NORTHWESTERN MISSOURI

By

FRANK C. GREENE

REPORT OF INVESTIGATIONS NO. 1

1945

EDWARD L. CLARK, *Director and State Geologist*

MISSOURI GEOLOGICAL SURVEY AND
WATER RESOURCES

ROLLA, MISSOURI

Delma 2932

A D James H R Rainfolt
C Hardcastle Betty Rean

Miller Says
Shelly RT 1154.5 R
6.5 above
Ground

27-F-30

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES - ROLLA, MO.

COUNTY Holt LOG NUMBER

COMPANY OR OWNER Bob Miller

FARM Lennis Moss WELL NO. 1

LOCATION SEC. 4 T. 59 R. 37

CONTRACTOR L M Bates Drilling 8E 54th KC Mo L type Star

DRILLER 7/17/44 4PM TOOL DR. 82 Speed Star

COMMENCED COMPLETED

PRODUCTION PLOTTED

CASING RECORD

WATER RECORD

SOURCE OF LOG ELEV. 1134 RT 4'2" above Ground

REMARKS TOTAL DEPTH

CHEM. ANAL. NO.

FORMATION	THICK.	DEPTH	FORMATION	THICK.	DEPTH
Set 7" @ 1735			Had lime at 1723		
Drilled 2' to 1737			(not not Miss		
Ran Halliburton line			Top of Miss Li 1735		
and depth found to 1729					
Miss Lime	1735	1747	SLM 1747		
Lime sandy	1747	1755			
Lime	1755	1768			
"	1768	1776			
"	1776	1786			
"	1786	1792			
"	1792	1802			
Lime & sand	1802	1810			
Lime	1810	1826			
"	1826	1841	sent		
"	1841	1853			
"	1853	1876			

Lime	1870	1883	
"	1883	1897	
"	1897	1910 sent	
"	1910	1922	
"	1922	1932	
"	1932	1946	
Lime & shale	1946	1962	1956 1990 oil stain
Lime	1962	1974	
"	1974	1990	
"	1990	2000	
"	2000	2016	
"	2016	2026	
"	2026	2036	
"	2036	2046	
"	2046	2059	
Shale	2059	2060	
"	2060	2063	
Red red	2063	2066	
Shale	2066	2079	
Shale	2079	2094	2094 8/2 SD for casing 5 3/16
"	2094	2110	
"	2110	2116	
Shale	2116	2143	corrected to 2141
Lime	2143	2159	
H L	2159	2175	water @ 2175

TD 8/11/44

PB to 1990, to acc dez 1978-88

8/23/44 Plug above 1998 disintegrated - hole has 600' water - can not lower it

Abond 8/30/44

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES

County: Holt
Owner: F. C. (Bob) Miller #1 Moss
Location: NW corner Sec. 4, T. 59, R. 37
Source: Bailed at 2062
Analysis No.: 3634 Total Depth ~~Drilling~~ and No. _____
Date Analyzed: 11-25-44
Analyst: R. T. Rolufs
Collector: F. C. Greene, 8-2-44

CONSTITUENTS:	IN PARTS PER MILLION
Turbidity	Turbid - whitish ppt.
Color	None
Odor	None
Total Suspended Solids	ND
Total Dissolved Solids	9935.0
Loss on Ignition	435.0
Chloride Radicle (Cl)	5139.2
Nitrate Radicle (NO_3)	ND
Sulphate (SO_4)	71.4
Bi-Carbonate Radicle (HCO_3)	195.9
Carbonate Radicle (CO_3)	24.6
Sodium (Na) Potassium (K) as Na	3351.0
Magnesium (Mg)	71.5
Iron (Fe)	ND
Manganese (Mn)	ND
Insoluble ~~Silica (SiO_2)~~	11.2
Calcium (Ca)	154.3
Total Hardness	679.0
Carbonate Hardness	181.1
Alkalinity	181.1
Precipitated Iron (Ppt. Fe.)	ND
Temporary Hardness	ND
Al_2O_3 & Fe_2O_3	3.2

Remarks: Probably mixed Miss. water.

Copies to: F. C. Greene

cc: fog.

27-F-30

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES - ROLLA, MO.

COUNTY Holt LOG NUMBER 8596

COMPANY OR OWNER Miller (F. C. "Bob")

FARM Moss WELL NO. 1

LOCATION SEC. 4 T. 59 R. 37

CONTRACTOR B. & T. Drg. Co. to 1735

DRILLER John Richards cable tools TOOL DR.

COMMENCED 7/17/44 (4PM) COMPLETED

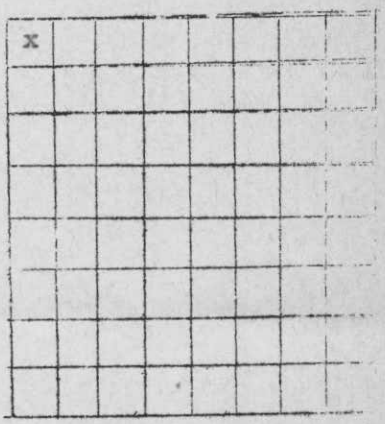
PRODUCTION PLOTTED Yes

CASING RECORD

WATER RECORD

SOURCE OF LOG

REMARKS 289 spls., orig. only to 1735, orig. and residues on down



ELEV.

TOTAL DEPTH 2175

CHEM. ANAL. NO.

FORMATION	THICK.	DEPTH
No samples	100	100
Shawnee	200	300
Douglas	230	530
Kansas City - Lansing	310	840
Henrietta-Pleasanton	180	1020
Cherokee	715	1735
Ste. Genevieve	38	1773
St. Louis	17	1790
Spergen	29	1819
Warsaw	31	1850
Burlington-Keokuk	124	1974
Gilmore City	52	2026
Chouteau	42	2068
Kinderhook	74	2142
Devonian	33	2175
Driller's Log:		
Top Miss. ls.		1722
Set 7" @ 1735 in Miss. lime, will move in standard tools, reported 46' higher than Eggar, 12' higher than Skelly on top of Miss. lime		
Set 7" at 1735, drilled 2' to 173, ran Halliburton lens and depth found to be 1729		

FORMATION	THICK.	DEPTH
Bob says had lime at 1723, prob. not Miss. lime (top Miss. lime 1735)		
Cable tool log		
Miss. lime (SLM 1747	1735	1747
Lime, sandy	1747	1755
Lime	1755	1768
Lime	1768	1776
Lime	1776	1786
Lime	1786	1792
Lime	1792	1802
Lime and sand	1802	1810
Lime	1810	1826
TD Lime	1826	1841
No log		1910
Lime	1910	1946
Lime and shale	1946	1962
Lime	1962	2059
Shale	2059	2063
Red rock	2063	2066
Shale	2066	2079
Shut down for casing.		

27-F-30

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES - ROLLA, MO.

COUNTY Holt LOG NUMBER

COMPANY OR OWNER Miller & Harper

FARM Lennis Moss WELL NO. 1

LOCATION C NW NW NW SEC. 4 T. 59 R. 37 to 1735

CONTRACTOR Brown & Tomas

DRILLER TOOL DR.

COMMENCED Midnight 5/11/44 COMPLETED 5/17/44

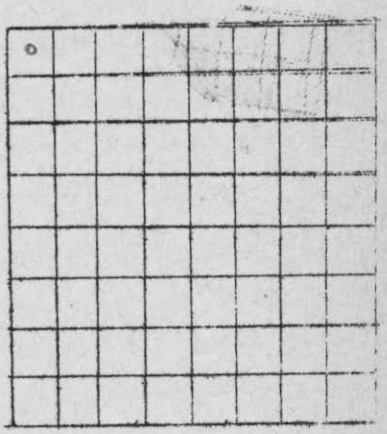
PRODUCTION PLOTTED

CASING RECORD

WATER RECORD

SOURCE OF LOG

REMARKS Loc.



ELEV. 1136 RT

TOTAL DEPTH

CHEM. ANAL. NO.

FORMATION	THICK.	DEPTH	FORMATION	THICK.	DEPTH
Surface etc		87½	Set 7" @ 1735 in ML		
Lime			Top Miss Lime 46' higher		
	1722		Ft on Eggers, 12' higher		
	McDowald		Ft on Shelby		
			Moving in Std tools		
			Same contractor from		
			McLouth		
			Joe Says Richards		
			Started 7/17/4 PM		