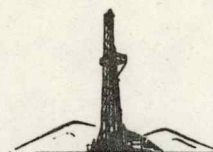


P/



14-19-2W
State Geological Survey
WICHITA BRANCH

Blackstone Drilling, Inc.

Box 1184 • 523 West Kansas • Phone (316) 241-1250
McPHERSON, KANSAS 67460

July 25, 1980

COMPANY: CULVER-GROUNDS OIL PROPERTIES
CONTRACTOR: BLACKSTONE DRILLING, INC.
FARM: MASTRE #1
LOCATION: C 3L NW NE Section 14-19-2W,
McPherson County, Kansas
COMMENCED: July 16, 1980
COMPLETED: July 24, 1980
ELEVATION:

0	to	90	Shale & Shells
90	to	215	Shale
215	to	525	Shale & Lime
525	to	990	Lime & Shale
990	to	1285	Shale & Lime
1285	to	1425	Lime & Shale
1425	to	1605	Shale
1605	to	1835	Shale & Lime
1835	to	2257	Lime & Shale
2257	to	2455	Shale & Lime
2455	to	2740	Lime
2740	to	2880	Lime & Shale
2880	to	3087	Mississippi
3087	to	3205	Shale
3205	to	3405	Lime & Shale
		3406	T. D.

Cut 15" hole to 208' and run 210' of 10 3/4" surface casing, cemented with 125 sacks of cement at 208'. Plug down at 4:30 P. M., July 16, 1980. Run 3411.85' of 7" casing, cemented at 3403' with 250 sacks of cement, 3 feet off bottom. Plug down at 7:00 P. M. July 24, 1980.

TOPS: LANSING - 2288' MISSISSIPPI - 2880' KINDERHOOK - 3071' VIOLA - 3355'
SIMPSON - 3388'

Measurements taken from K. B.

CERTIFICATE

I, P. E. Plouffa, President of Blackstone Drilling, Inc. do hereby certify that the above and foregoing is a true and correct copy of log on your Mastre #1, located on the C 3L NW NE Section 14-19-2W, McPherson County, Kansas as reflected by the files