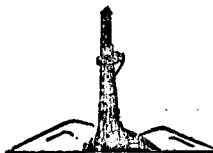


FEB 14 1970



## Blackstone Drilling, Inc.

Box 455 • 523 West Kansas • Phone CH 1-1250

McPherson, Kansas 67460

January 7, 1970

2-21-1W  
2-21-1W  
C SW SW

COMPANY: LONE STAR GAS COMPANY  
CONTRACTOR: BLACKSTONE DRILLING, INC.  
FARM: LOUISE UNRUH #1  
LOCATION: C-SW/4 SW/4, Sec. 2-21-1W,  
McPherson County, Kansas  
COMMENCED: December 21, 1969  
COMPLETED: January 6, 1970  
ELEVATION: 1532 K. B.

*Dry*

0	to	265	Clay & Shale
265	to	610	Shale & Lime
610	to	1075	Lime
1075	to	1675	Shale & Lime
1675	to	2060	Lime & Shale
2060	to	2295	Lime, Shale & Sand
2295	to	2346	Shale & Lime
2346	to	2839	Lime
2839	to	2960	Lime & Shale
2960	to	3243	Mississippi
3243	to	3277	Lime
3277	to	3481	Shale
3481	to	3509	Viola
3509	to	3555	Simpson
3555	to	3621	Lime
		3621	T. D.

RECEIVED  
STATE CORPORATION COMMISSION  
JAN 23 1970  
CONSERVATION DIVISION  
Topeka, Kansas

Cut 12 1/4 in. hole to 265 ft. and run 259 feet of new 8 5/8 in. surface pipe, cemented at 257 ft. with 200 sacks of cement, plug down at 3:55, December 22, 1969. Drilled 7 7/8 in. hole to 3621 ft., dry and abandoned. Layed down drill pipe and set bottom plug at 250 ft. and filled to top of hole with ready mix, January 6, 1970. Plugging completed at 10:45 A. M., January 6, 1970. Plugging completed by Hugh E. Scott, State Plugger, McPherson, Kansas.

TOPS: KANSAS CITY - 2346' KINDERHOOK - 3278' VIOLA - 3481' SIMPSON - 3509'  
ARBUCKLE - 3597'

Measurements taken from K. B.

### CERTIFICATE

I, H. J. Plouffe, President of Blackstone Drilling, Inc. do hereby certify that the above and foregoing is a true and correct copy of log on your Louise Unruh #1, located on the C-SW/4 SW/4, Sec. 2-21-1W, McPherson County, Kansas as reflected by the files of Blackstone Drilling, Inc.