

KANSAS GEOLOGICAL SOCIETY
KANSAS WELL LOG BUREAU - KANSAS WELL SAMPLE BUREAU
KANSAS GEOLOGICAL SOCIETY BUILDING
508 EAST MURDOCK - WICHITA, KANSAS

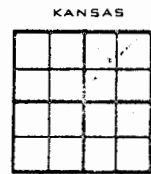
15-009-30357
SEC. 7 T. 9 R. 24W
LOC. SE NW NE

COMPANY. EMPIRE DRILLING

FARM H. C. Minium "B" NO. 1

TOTAL DEPTH 4036'
COMM. 6-12-66 COMP. 6-23-66
SHOT OR TREATED
CONTRACTOR Empire Drilling
ISSUED 8-13-66

COUNTY Graham



CASING
20 10
15 8 5/8" 129' cem w/ 60 sx
12 6
13 5

ELEVATION 2491' KB

PRODUCTION DRY

FIGURES INDICATE BOTTOM OF FORMATIONS

0	to	150	Surface - Sand - Shale - Shells
150	to	770	Shale
770	to	1380	Shale & Shells
1380	to	1510	Sand - Shale - Pyrite
1510	to	1756	Shale & Sand
1756	to	1942	Sand
1942	to	1970	Shale
1970	to	2185	Redbed
2185	to	2220	Anhydrite
2220	to	2410	Shale & Shells
2410	to	3805	Shale & Lime
3805	to	3880	Lime & Chert
3880	to	4036	Lime
4036			Rotary Total Depth

SET: 129' of 8 5/8" with 60 sacks cement.

SAMPLE LOG TOPS:

Anhydrite	2185	
Heebner	3794	-1303
Toronto	3816	-1325
Lansing	3833	-1342
Zone 2	3865	-1374
Zone 2A	3879	-1388
Zone 3 & 4	3910	-1419
Zone 5	3926	-1435
Muncie Creek	3951	-1460
Zone 6	3970	-1479
Zone 6A	3989	-1498
Zone 7	4008	-1517
Zone 8	4031	-1540
Total Depth	4036	-1545

CERTIFICATION

I, Dan J. Kornfeld, do hereby certify that the above and foregoing is a true and correct copy of the log on the Minium "B" #1, SE NW NE Section 7-9S-24W, Graham County, Kansas, as reflected by the files of Empire Drilling Company.