

SEP 12 1970

Elev. 2952 KB
SWD W / cedar Hills

ROTARY DRILLING LOG

Operator: Mull Drilling Co., Inc.
#1 SWART
SE SE Sec. 2-9S-31W
Thomas County, Kansas

Contractor: Rains & Williamson
Oil Co., Inc.
Commenced: 8-7-70
Completed: 8-20-70

Casing: 8-5/8"/288'/225 sacks
4-1/2"/2706.66/700 sacks

Formations

Sand and Shells	175'
Blue Shale	293'
Shale	1675'
Sand and Shale	2015'
Shale and Sand	2561'
Anhydrite	2594'
Shale and Red Bed	2665'
Lime and Shale	2875'
Shale	3125'
Shale and Lime	3330'
Lime and Shale	3870'
Lime	4210'

Rotary Total Depth 4210'

Sample Tops

Anhydrite	2560
Jarvis	2612
Zapoka	3747
Hebner	3961
Toronto	3984
LKC	4001



We certify the above log is true and correct to the best of our knowledge and belief.

RAINS & WILLIAMSON OIL CO., INC.

Jerald W. Rains
Jerald W. Rains