

W E L L L O G

OPERATOR: Liberty Enterprises, Inc.

WELL NAME: Orlan Carmichael #2 LOCATION: NE SE NE 4-11s-17W

COUNTY: Ellis STATE: Kansas

WELL COMMENCED: April 2, 1981 WELL COMPLETED: April 9, 1981

ELEVATION: 1907' G.L. TOTAL DEPTH: 3540'

PRODUCTION: Oil RIG NO: #1

CASING - 8 5/8": Tally @ 200.30' Set @ 208' new 24# Cemented with 140 sxs common 3% cc 2% gel

did Circ P.D. @ 9:15 A.M. 4-2-81

4 1/2" ~~5 1/2"~~ Tally @ 3515.43' Set @ 3520' 10 1/2# cemented first stage-150 sxs RDC

second stage-350 sxs 50/50 poz 6% gel final P.D. @ 9:15 P.M.

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING:

FROM	TO	FORMATION	DEVIATION FROM VERTICAL	REMARKS:
0'	43'	sand and shale		
43'	209'	sand and shale	209' - 1 - degree	
209'	665'	sand and shale		
665'	1145'	sand and shale	873' - 1 1/2 - degree	
1145'	1176'	Anhydrite		
1145'	1216'	sand and shale		
1216'	1678'	shale		
1678'	2025'	shales and limes		
2025'	2100'	shales and limes	2100' - 1 - degree	
2100'	2173'	shales and limes		
2173'	2469'	lime sand lime		
2469'	2645'	lime and shales		
2645'	2677'	lime and shales		
2677'	2817'	lime and shales		
2817'	2965'	lime and shale		
2965'	2988'	lime and shale		
2988'	2998'	lime and shale		
2998'	3054'	lime and shale		
3054'	3110'	lime and shales		
3110'	3204'	lime and shale		
3204'	3300'	lime and shale		
3300'	3392'	lime and shale		
3392'	3500'	lime and shale		
3500'	3540'	lime and shale		
3540'	RTD			

RECEIVED
 STATE GEOLOGICAL SURVEY
 APR 20 1981
 WICHITA, KANSAS