

32-8-21W
15-065-21402

WELL LOG

State Geological Survey
WICHITA BRANCH

OPERATOR: L & A Oil Company

WELL NAME: P. N. Clark #1 LOCATION: NW NE NW 32-8s-21w

COUNTY: Graham STATE: Kansas

WELL COMMENCED: April 24, 1981 WELL COMPLETED: May 4, 1981

ELEVATION: 2201' TOTAL DEPTH: 3757'

PRODUCTION: Oil RIG NO: #2

CASING - 8 5/8": Tally @ 319.13' Set @ 323.15' new 24 # cemented with 135 sxs common 3% cc 2% gel did circ.

5 1/2": 90 Jts. new 14# Tally @ 3763' Set @ 3749' 1st Stage- cemented with 175 sxs common 10% salt 5 sxs salt flush 2nd stage- 450 sxs 50-50 poz 6% gel P.D. 9:30 A.M.

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING:

FROM	TO	FORMATION	DEVIATION FROM VERTICAL	REMARKS:
0'	670'	sand and shale	288' - 1/2 - degree	
670'	1635'	sand and shale		
1635'	1730'	sand and shale		
1730'	1769'	Anhydrite		
1769'	1900'	sand and shale		
1900'	2105'	lime and shale and sand		
2105'	2130'	lime and shale		
2130'	2230'	lime and shale		
2230'	2271'	lime and shale		
2271'	2275'	lime and shale	2275' - 3 1/2 - degree	
2275'	2285'	lime and shale		
2285'	2320'	lime and shale		
2320'	2400'	lime and shale		
2400'	2426'	lime and shale	2426' - 2 1/4 - degree	
2426'	2456'	lime and shale		
2456'	2610'	lime and shale		
2610'	2843'	lime and shale		
2843'	2890'	lime and shale		
2890'	3030'	lime and shale		
3030'	3185'	lime and shale		
3185'	3325'	lime and shale	3265' - 3/4 - degree	
3325'	3420'	lime and shale		
3420'	3440'	lime and shale	3440' - 1/2 - degree	
3440'	3475'	lime and shale	3587' 3655'	shale and lime
3475'	3557'	lime and shale	3655' 3717'	lime and shale
3557'	3587'	lime and shale	3717' 3757'	lime and shale
3587'	3655'	shale and lime	3757'	RTD

STATE OF KANSAS
COUNTY OF