

W E L L L O G

OPERATOR: Liberty Enterprises, Inc.

WELL NAME: Collins #3 LOCATION: NW SW NW 7 11s 17W

COUNTY: Ellis STATE: Kansas

WELL COMMENCED: June 25, 1981 WELL COMPLETED: July 5, 1981

ELEVATION: 1890' K.B. TOTAL DEPTH: 3537'

PRODUCTION: Oil RIG NO: #1

SING - 8 5/8": 26 Jts new 24# tallied @ 1132.19' set @ 1139' cemented with 275 sxs 60-40 pos
 3% cc 2% gel 125 sx common 3% cc 2% gel P.D. 9:00 P.M. cement did circ 6-26-81

5 1/2": 87 Jts 14# tallied @ 3526.97' set @ 3531' cemented with 100 sxs 60-40pos
 6% gel 75 sxs A.S.C. P.D. 4:30 A.M. 7-5-81

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING:

FROM	TO	FORMATION	DEVIATION FROM VERTICAL	REMARKS:
0'	442'	sand and shale		
442'	964'	sand and shale		
964'	1134'	red bed and sands		
1134'	1142'	anhydrite	1142' - 3/4 degree	
1142'	1166'	anhydrite		
1166'	1450'	shale and sand		
1450'	1787'	shale and lime		
1787'	1968'	shale and lime	1968' - 3/4 degree	
1968'	2117'	shale and lime		
2117'	2367'	shale and lime		
2367'	2610'	lime and shale		
2610'	2758'	shale and lime		
2758'	2899'	lime and shale		
2899'	3008'	lime and shale		
3008'	3110'	lime and shale		
3110'	3202'	lime and shale		
3202'	3211'	lime and shale		
3211'	3235'	lime		
3235'	3317'	lime and shale		
3317'	3375'	lime and shale		
3375'	3405'	lime and shale		
3405'	3490'	arbuckle		
3490'	3537'	lime and shale		
3537'	R.T.D.			

JUL 15 1981