

WELL LOG

OPERATOR: Liberty Enterprises, Inc.

WELL NAME: Gottschalk #1 LOCATION: NE NW NW 28-13S-20W

COUNTY: Ellis STATE: Kansas

WELL COMMENCED: July 11, 1978 WELL COMPLETED: July 19, 1978

ELEVATION: 2270' KB TOTAL DEPTH: 3927'

PRODUCTION: Dry Hole RIG NO: #1

CASING - 8-5/8": 208' with 140 sxs common 3% cc 2% gel

5-1/2": none

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING:

FROM	TO	FORMATION	DEVIATION FROM VERTICAL	REMARKS:
0'	209'			
209'	600'	shale		
600'	1588'	shale and sands		
1588'	1950'	shale		
1950'	2330'	shale	2330'-2 1/4 degrees	
2330'	2545'	shale		
2545'	2780'	shale		
2780'	3005'	shale and lime		
3005'	3140'	shale and lime		
3140'	3235'	shale and lime		
3235'	3335'	lime and shale		
3335'	3438'	lime		
3438'	3528'	shale and lime		
3528'	3578'	lime		
3578'	3652'	lime		
3652'	3725'	lime		
3725'	3777'	lime		
3777'	3810'	lime		
3810'	3810'	lime		
3810'	3855'	lime		
3855'	3911'	lime		
3911'	3917'	lime		
3917'	3917'			
3917'	3927'	lime		
3927'	RTD			