

REPORT of SUB-SURFACE SURVEY

REICHHOLD ENERGY CORP.

COLOMBIA COUNTY NO.5

REDRILL NO. 1

JOB NO. B 1945

DATE 7-10-79

DIRECTIONAL DRILLING, INC.

BAKERSFIELD

Phone: 324-3574

DIRECTIONAL DRILLING, INC.

SHEET NO. 1

JOB NO. B1945

COMPANY REICHHOLD ENERGY CORPORATION ADDRESS _____

WELL COLOMBIA COUNTY #5 RD.1 FIELD COLOMBIA COUNTY COLOMBIA STATE OREGON

MEASURED DEPTH	TERMINAL DRIFT ANGLE	TERMINAL DIRECTION OF DEVIATION	VERTICAL DEPTH	TOTAL COORDINATES				CLOSURE
				NORTH	SOUTH	EAST	WEST	
500			500.00					
547	2° 15'	S 11 W	546.99		.91		.18	
609	6°	S 04 E	608.83		5.37		.44	
669	8° 15'	S 21 E	668.37		12.64	1.17		
730	9° 45'	S 28 E	728.62		21.32	5.13		
791	11°	S 24 E	788.62		31.20	9.95		
853	12°	S 19 E	849.38		42.70	14.48		
915	13° 30'	S 24 E	909.85		55.43	19.49		
976	15°	S 34 E	968.97		68.56	26.77		
1079	16° 45'	S 29 E	1068.04		92.59	41.49		
1140	16° 45'	S 29 E	1126.45		107.97	50.01		
1264	17° 30'	S 27 E	1244.95		140.22	67.16		
1388	17° 45'	S 25 E	1363.13		173.98	83.63		
1512	17° 45'	S 24 E	1481.23		208.38	99.31		
1634	17°	S 22 E	1597.66		241.92	113.55		
1758	16° 30'	S 19 E	1716.40		275.40	126.07		
1811	18°	S 25 E	1767.02		289.98	131.96		
1871	20°	S 34 E	1823.75		306.98	141.58		
1943	22°	S 36 E	1890.97		328.11	156.38		
2003	23°	S 35 E	1946.40		346.85	169.65		
2156	22° 30'	S 31 E	2087.50		394.68	200.71		
2307	22° 15'	S 27 E	2227.13		444.96	228.58		
2461	24° 45'	S 27 E	2368.35		499.68	256.46		
2774	25° 30'	S 25 E	2651.72		619.15	314.73		
3127	25° 15'	S 22 E	2970.65		757.90	375.06		
CLOSURE: 845.60' S 26° 19' E								
ALL METHODS OF CALCULATIONS ARE AVERAGE ANGLE								
PROJECTION TO THE TOP OF THE SAND								
2508	24° 45'	S 27 E	2411.45		516.38	264.97		

