



**DIP LOG CALCULATIONS**

2"=100'

COMPANY REICHHOLD ENERGY CORPORATION  
 WELL COLUMBIA COUNTY NO. 5  
 FIELD NEHALEM BASIN  
 COUNTY COLUMBIA STATE OREGON

Preparation Station 6-L-1  
 Log Measured From K.B. 0R 11.42 Ft. Above Perm. Datum  
 Drilling Measured From K.B.  
 Date 6-28-79  
 Run No. 0NE  
 Depth Driller 3116  
 Depth Welex 3103  
 Top Log Inter. 700 @ 399  
 Casting Driller 400  
 Casting Welex 400

Location SOUTH & 1318' WEST OF THE NORTHWEST CORNER OF: (W.B.M.)  
 COUNTY COLUMBIA STATE OREGON  
 Well COLUMBIA COUNTY NO. 5  
 Field NEHALEM BASIN  
 Other Services:  
 TEL C/AVL  
 Elev.: K.B. 947.62  
 Elev. D.F. 936.20  
 G.L. 936.20

Type Fluid in Hole LIGNOSULF.  
 Disks Fluid Visc. 73 143  
 Fluid Loss 7.5 15.0 ml  
 Source of Sample P.T. 1.00 9.3  
 Rm @ Meas. Temp. 4.60 9.2  
 Rm @ Meas. Temp. 5.00 9.2  
 Rm @ Meas. Temp. 5.00 9.2  
 Source Raw. Rate MEASURED  
 Rm @ BHT 3.20 @ 119  
 Rmf @ BHT 2.58 @ 119  
 Rmc @ BHT 3.12 @ 119  
 Time Since Circ. 8 1/2 HRS.  
 Max. Rate 11.9 @ BHT  
 Equip. Location 9430 1 WOODLAND  
 Recorded By KENNEDY  
 Witnessed By KENNEDY, CLARE, BRUER, FRY.

Service Ticket No. 048884  
 Remarks:  
 Change in Mud Type or Additional Samples  
 Date Sample No. 1  
 Depth - Driller  
 Type Fluid in Hole  
 Dens. Visc. 1  
 pH Fluid Loss 1 ml  
 Source of Sample  
 Rm @ Meas. Temp. @ °F  
 Rmf @ Meas. Temp. @ °F  
 Rmc @ Meas. Temp. @ °F  
 Source: Rmf | Rmc  
 Rm @ BHT 3.20 @ 119 °F  
 Rmf @ BHT 2.58 @ 119 °F  
 Rmc @ BHT 3.12 @ 119 °F

Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Welex is not responsible, except where due to gross negligence or willful misconduct, for any loss, damages, or expenses from the use thereof.

Magnetic Declination NORTH 20.5° EAST

**TABLE OF CONSTANTS FOR DETERMINING VERTICAL DIFFERENCE AT VARIOUS DIP ANGLES**

DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT
1	.0175	11	.194	21	.384	35	.700
2	.035	12	.213	22	.404	40	.839
3	.052	13	.231	23	.425	45	1.000
4	.070	14	.249	24	.445	50	1.192
5	.088	15	.268	25	.466	55	1.428
6	.105	16	.287	26	.487	60	1.732
7	.123	17	.306	27	.509	65	2.144
8	.141	18	.325	28	.531	70	2.748
9	.158	19	.344	29	.554	75	3.732
10	.176	20	.364	30	.577	80	5.671

Vertical difference in feet is obtained by multiplying the constant for any given dip angle by the horizontal distance in feet.  
 Example: Dip angle 10°; Horizontal distance 440 ft.  
 Vertical difference = .176 x 440 = 77.44

**GRAPHIC PRESENTATION**

