



**DIP LOG CALCULATIONS**

COMPANY REICHOLD ENERGY CORPORATION  
 WELL COLUMBIA COUNTY 14-2  
 FIELD MIST NEHALEM BASIN  
 COUNTY COLUMBIA STATE OREGON

COMPANY RETCHOLD ENERGY CORPORATION  
 WELL COLUMBIA COUNTY 14-2  
 FIELD MIST NEHALEM BASIN  
 COUNTY COLUMBIA STATE OREGON

Location 330 NORTH & 546' EAST OF THE SOUTHWEST CORNER OF:  
 Sec. 2 Twp. 6N Rge. 5W

Permanent Datum G.L. Elev. 1182.45  
 K.B. OR 10.5 Ft. Above Perm. Datum  
 Drilling Measured From K.B. Elev. 1182.45  
 O.F. 1182.45  
 C.I.V.L. 21

Date 11-5-80  
 Run No. ONE  
 Depth - Well 3582  
 Depth - Driller 3582  
 Btm. Log Inter. 322 @ 5'22  
 Comp. Driller 722 @ 5'22

Correlation and Quality  
 Correlation: LENS SILENT  
 Quality: 6/2/4

Cartridge Weights 7.0 @ 120  
 Type Fluid in Hole LENS SILENT

Dens. 1 Visc. 70 @ 120  
 pH Fluid Loss 10.5 @ 15.2 ml

Source of Sample CIRCULATED

Rm @ Meas. Temp. 3.4 @ 68.7 F  
 Rm @ Meas. Temp. 4.0 @ 68.2 F  
 Rm @ Meas. Temp. 4.1 @ 68.2 F  
 Rm @ Meas. Temp. 4.1 @ 68.2 F

Time Since Circ. N/A @ BHT  
 Max. Res. Temp. 150 F @ BHT  
 Equiv. Location 8586 (WOODLAND)

Recorded By BRUNER  
 Witnessed By

Service Ticket No. 055095 Remarks:

Date	Sample No.	I	Run No.	1	2	3	4
Depth - Driller			Tool Type	DIP			
Type Fluid in Hole			Tool Number	N/A			
Dens.	Visc.		Pad Type	FURX0			
pH	Fluid Loss		Correlated By				
Source of Sample			Computed By				
Rm @ Meas. Temp.			Remarks:				
Rm @ Meas. Temp.							
Rm @ Meas. Temp.							
Source: Rmt/Rmc							
Rm @ BHT	1.87 @ 130 F						
Rm @ BHT	1.60 @ 150 F						
Rmc @ BHT	1.21 @ 150 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.

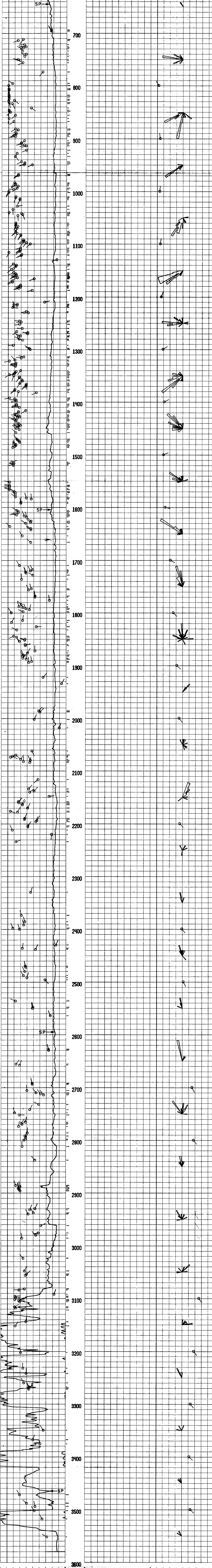
Magnetic Declination NORTH 20.5° EAST

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

DIP ANGLES	CONSTANT	DIP ANGLES	CONSTANT	DIP ANGLES	CONSTANT	DIP ANGLES	CONSTANT
Degrees		Degrees		Degrees		Degrees	
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**



REICHOLD ENERGY CORPORATION  
 COLUMBIA COUNTY 14-2  
 MIST NEHALEM BASIN  
 COLUMBIA COUNTY, OREGON

T.D. LOGGED 3580  
 T.D. DRILLER 3582  
 T.D. WELEX 3582

ELEV: KB 1192.95 6L 1182.45