



DIP LOG CALCULATIONS

COMPANY REICHOLD ENERGY CORPORATION
 WELL COLUMBIA COUNTY 11-33
 FIELD MIST
 COUNTY COLUMBIA STATE OREGON

Location: 293 SOUTH & 524' EAST OF THE NORTHWEST CORNER OF:
 Section: 33 Two 7N Page 5W
 Elevation: K.B. 967.58
 D.F. 9561.8
 G.L. 9561.8

Permanent Datum: G.L. OR 11.4ft. Above Perm. Datum
 Log Measured From: K.B.
 Drilling Measured From: K.B.

Date: 7-30-81
 Run No.: 01E
 Depth Driller: 2737
 Depth Welex: 2741
 Birm Log Meter: 2839

Top Log Inlet: 410
 Casing Driller: 710
 Casing Welex: 610

Bit Size: 6 1/4
 Type Fluid in Hole: LIQUIDUSUF.

Dens. 1 Visc. 9.3 1.47
 pH Fluid Loss 10 4.0 ml
 Source of Sample 1 LIQUIDATED
 Rm @ Meas. Temp. 3.00 @ 90 °F
 Rmf @ Meas. Temp. 4.25 @ 60 °F
 Rmc @ Meas. Temp. 4.25 @ 60 °F
 Source: Rmf Rmc
 Rm @ BHT 2.18 @ 110 °F
 Rmf @ BHT 2.38 @ 110 °F
 Rmc @ BHT 2.31 @ 110 °F

Equip. Location: 8586 1W001 AND
 Recoded By: J. PARMELEE
 Witnessed By: W. BRUER

Service Ticket No. 057053 Remarks:

Date	Sample No.	I	I	Run No.	1	2	3	4
Depth - Driller				Tool Type	DIP			
Type Fluid in Hole				Tool Number	N/A			
Dens.	Visc.	I	I	Pad Type	FORX0			
pH	Fluid Loss	I	ml	Correlated By				
Source of Sample				Computed By				
Rm @ Meas. Temp.		@	°F	Remarks:				
Rmf @ Meas. Temp.		@	°F					
Rmc @ Meas. Temp.		@	°F					
Source: Rmf Rmc		I	I					
Rm @ BHT		@	°F					
Rmf @ BHT		@	°F					
Rmc @ BHT		@	°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.

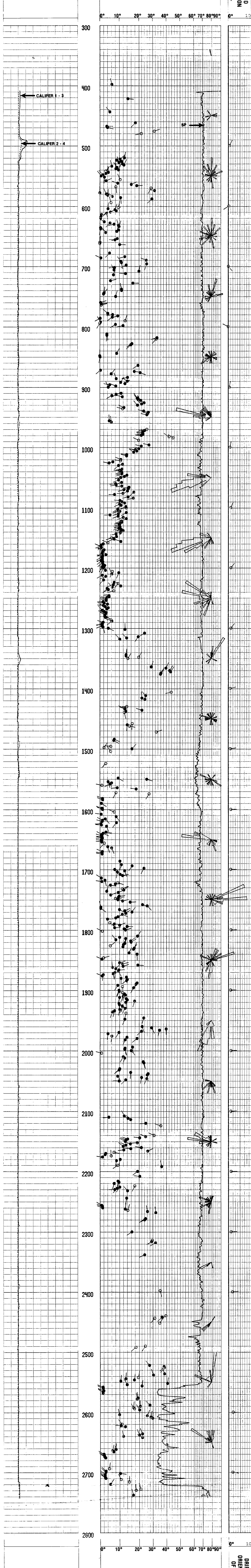
Magnetic Declination NORTH 22° EAST

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



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 FIELD MIST
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T.D. LOGGED 2739
 T.D. DRILLER 2737
 T.D. WELEX 2741
 ELEV. K.B. 967.58
 D.F. 9561.8
 G.L. 9561.8