



**DIP LOG
CALCULATIONS**

COMPANY REICHOLD ENERGY CORPORATION
WELL COLUMBIA COUNTY NO. 3 REDRILL NO. 1
FIELD NEHALEM BASIN
COUNTY COLUMBIA STATE OREGON

Location: 1561' SOUTH & 630' WEST OF THE NORTHEAST CORNER OF: (W.B.M.)
Sec. 10 Twp. 6N Rge. 5W

Permanent Datum: G.L. K.B. 859.2
Elev. K.B. 869.4
Log Measured From: K.B.
D.F. 858.2
Drilling Measured From: K.B.
G.L. 858.2

Date: 6-5-79
Run No.: ONE
Depth - Driller: 2993
Btm. Log Inter: 2991
Top Log Inter: 396
Change - Driller: 796 @ 391

Bit Size: 3 1/4
Type Fluid in Hole: LEADSULF.
Dens. I Visc. 77 145
pH I Fluid Loss: 10.0 16.4 ml
Source of Sample: P11
Rm @ Meas. Temp.: 2.40 @ 68 °F
Rmf @ Meas. Temp.: 1.90 @ 72 °F
Rmc @ Meas. Temp.: 2.92 @ 72 °F
Source Rm: Rmc
Rm @ BHT: 1.7 @ 118 °F
Rmf @ BHT: 1.1 @ 118 °F
Rmc @ BHT: 2.0 @ 118 °F

Time Since Circ.: 1 1/2 HRS.
Max. Hec. Temp.: 118 °F @ BHT.
Elev. I Location: 9430 WOODLAND
Recorded by: KENNEDY
Witnessed by: KENNEDY, BRUER, CLARE

Service Ticket No. 048880 Remarks:
Change in Mud Type or Additional Samples

Date	Sample No.	Run No.	DIP	2	3	4
Depth - Driller		Tool Type	DIP			
Type Fluid in Hole		Tool Number	13101			
Dens. Visc.		Pad Type	F0RX0			
pH Fluid Loss		Correlated By				
Source of Sample		Computed By				
Rm @ Meas. Temp.		Remarks:				
Rmf @ Meas. Temp.						
Rmc @ Meas. Temp.						
Source Rm: Rmc						
Rm @ BHT						
Rmf @ BHT						
Rmc @ BHT						

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.

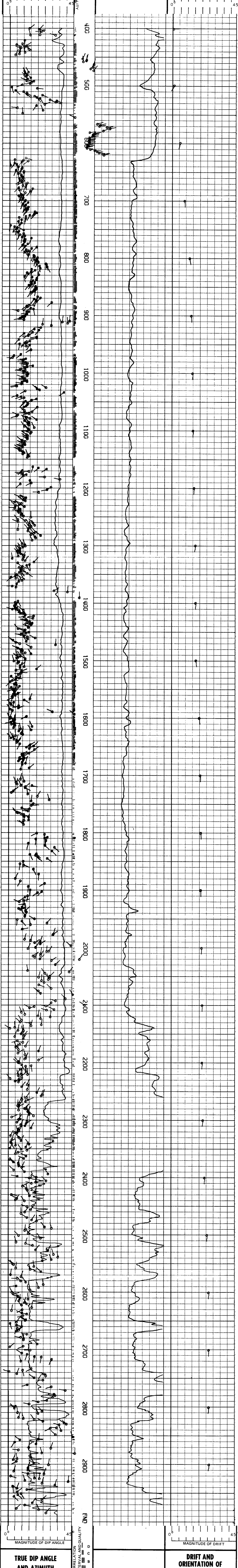
Magnetic Declination NORTH 20.5° EAST

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



REICHOLD ENERGY CORPORATION
COLUMBIA COUNTY NO. 3 REDRILL NO. 1
NEHALEM BASIN
COLUMBIA COUNTY, OREGON

T.D. LOGGED 2991
T.D. DRILLER 2993
T.D. WELEX 2993
ELEV.: KB 869.4 GL 859.2