

**DIP LOG  
CALCULATIONS**

COMPANY REICHHOLD ENERGY CORPORATION

WELL CROWN ZELLERBACH 22-6 REDRILL NO. 1  
 FIELD MIST NEHALEM BASIN  
 COUNTY COLUMBIA STATE OREGON  
 Location 1584' SOUTH AND 468' WEST  
 FROM THE NORTH QUARTER  
 CORNER OF:  
 Sec. 6 Twp. 6N Rge. 4W  
 Permanent Datum G.L. 1424.6 Elev. 1424.6  
 Log Measured From K.B. 0R 10.5 Ft. Above Perm. Datum  
 Drilling Measured From K.B. G.L. 1424.6

Date 10-5-80  
 Run No. ONE  
 Depth - Driller 2266  
 Depth - Welex 2262  
 Btm. Log Inter. 2260  
 Top Log Inter. 440 @ 7  
 Casing - Driller 440  
 Casing - Welex 440  
 Bit Size 6 1/4  
 Type Fluid in Hole LIGNOSULF

Dens. 1 Visc. 68 1 55  
 pH 1 Fluid Loss 8.5 1 5.0 ml  
 Source of Sample CIRCULATED  
 Rm @ Meas. Temp. 5.10 @ 68 °F  
 Rmf @ Meas. Temp. 5.25 @ 72 °F  
 Rmc @ Meas. Temp. 3.0 @ 74 °F  
 Source Rm Rmc  
 Rm @ BHT 3.46 @ 100 °F  
 Rmf @ BHT 3.78 @ 100 °F  
 Rmc @ BHT 2.56 @ 100 °F

Service Ticket No. 055220 Remarks:

Date	Sample No.	I	II	Run No.	1	2	3	4
Change in Mud Type or Additional Samples				Tool Type				
Depth - Driller				Tool Number				
Type Fluid in Hole				Pad Type				
Dens.	Visc.	I	II	Correlated By				
pH	Fluid Loss	I	II	Computed By				
Source of Sample				Remarks:				
Rm @ Meas. Temp.		@	°F					
Rmf @ Meas. Temp.		@	°F					
Rmc @ Meas. Temp.		@	°F					
Source: Rm   Rmc								
Rm @ BHT	3.46 @ 100 °F	@	°F					
Rmf @ BHT	3.78 @ 100 °F	@	°F					
Rmc @ BHT	2.56 @ 100 °F	@	°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.

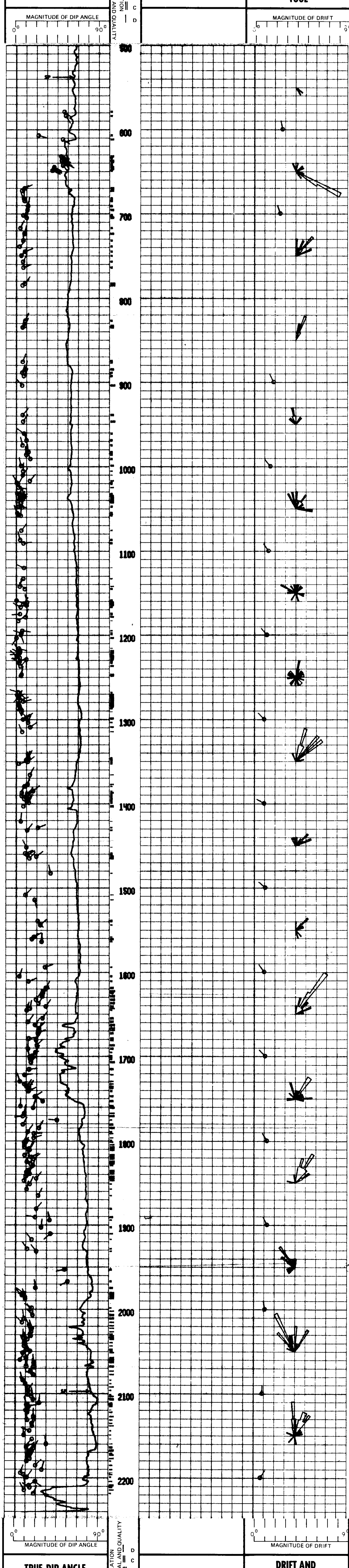
Magnetic Declination NORTH 24.5 EAST

**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**



REICHHOLD ENERGY CORPORATION T.D. LOGGED 2260  
 CROWN ZELLERBACH 22-6 REDRILL NO. 1 T.D. DRILLER 2266  
 MIST NEHALEM BASIN T.D. WELEX 2262  
 COLUMBIA COUNTY, OREGON ELEV. G.L. 1424.6 K.B. 1435.1