



DIP LOG CALCULATIONS

COMPANY **REICHOLD ENERGY CORPORATION**

WELL **CROWN ZELLERBACH NO. 42-1 SIDETRACK**

FIELD **MIST NAHALEM BASIN**

COUNTY **COLUMBIA** STATE **OREGON**

Location **850 NORTH & 438 WEST OF THE EAST 1/4 CORNER OF: SEC. 1 Twp. 6N Rge. 5W**

Log Measured From **K.B.** Elev. **1293** Other Services: **C/AVL**

Permittent Datum **G.L.** Elev. **1303.5**

Drilling Measured From **K.B.** D.F. **1293.0** G.L. **1293.0**

Date **7-19-80**

Run No. **ONE**

Depth - Driller **2891**

Depth - Welex **2890**

Brm. Log Meter **2889**

LOG Log Meter **705 @ 406 @**

Casing - Driller **705 @ 406 @**

Casing - Welex **705 @ 406 @**

Bit Size **5 1/4**

Type Fluid in Hole **LIGHT OIL**

Page 1 Visc. **1.43** ml

Fluid Loss **10.0 @ 5.8** ml

Source of Sample **CIRCULATED**

Rm @ Meas. Temp. **1.2 @ 55** °F

Rmf @ Meas. Temp. **2.2 @ 57** °F

Rmc @ Meas. Temp. **2.2 @ 57** °F

Source: Rmf Rmc **MEASURED**

Rm @ BHT **0.7 @ 111** °F

Rmf @ BHT **1.1 @ 111** °F

Rmc @ BHT **1.1 @ 111** °F

Time Since Circ. **3 HOURS**

Max. Rec. Temp. **111** °F @ **T.D.**

Equip. Location **2876.1 W.D.D.**

Recorded By **ANDERSON**

Witnessed By **BAUER**

Service Ticket No. _____ Remarks: _____

Change in Mud Type or Additional Samples

Date	Sample No.	Run No.	1	2	3	4
Depth - Driller		Tool Type				
Type Fluid in Hole		Tool Number				
Dens.	Visc.	Pad Type				
pH	Fluid Loss	Correlated By				
Source of Sample		Computed By				
Rm @ Meas. Temp.		Remarks:				
Rmf @ Meas. Temp.						
Rmc @ Meas. Temp.						
Source: Rmf 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.

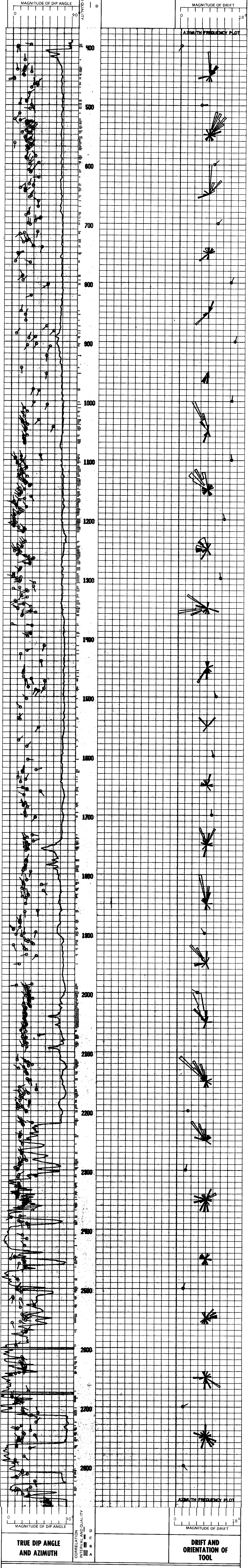
Magnetic Declination **NORTH 21° EAST**

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
 CROWN ZELLERBACH NO. 42-1 SIDETRACK
 MIST NAHALEM BASIN
 COLUMBIA COUNTY, OREGON

T.D. LOGGED 2889
 T.D. DRILLER 2891
 T.D. WELEX 2890

ELEV: K.B. 1303.5 G.L. 1293.0