Welex

5" = 100'

DIP LOG CALCULATIONS

COMPANY REICHHOLD ENERGY CORP.
WELL COLUMBIA COUNTY NO.5 R/D NO. 1
FIELD NEHALEM BASIN
County COLUMBIA State OREG.

COMPANY REICHHOLD ENERGY CORPORATION
WELL COLUMBIA COUNTY NO. 5 REDRILL NO. 1
FIELD NEHALEM BASIN
COUNTY COLUMBIA STATE OREGON
Location 863' SOUTH & 1318' EAST FROM NORTHWEST CORNER OF:
Other Services IEL
Sec. 10 Twp. 6N Rge. 5W

Permanent Datum GL Elev 936.2
Log Measured From KB 0R 11.42 Ft. Above Perm. Datum
Drilling Measured From KB
Elev KB 947.62
DF
G.L. 936.2

Date	7-7-79		
Run No.	ONE		
Depth—Driller	3128		
Depth—Welex	3126		
Btm. Log Inter.	3124		
Top Log Inter.	500		
Casing—Driller	7 @ 399	@	@
Casing—Welex	400		
Bit Size	6 1/4		
Type Fluid in Hole	LIGNO SULF		
Dens. | Visc.	74 | 42	|	|
pH | Fluid Loss	9 | 5.2 ml	| ml	| ml
Source of Sample	PIT		
R_m @ Meas. Temp.	2.04 @ 74 °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	2.00 @ 68 °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	2.08 @ 68 °F	@ °F	@ °F
Source R_{mf} R_{mc}	MEASURED	—	—
R_m @ BHT	1.29 @ 117 °F	@ °F	@ °F
Time Since Circ.	6 HOURS		
Max. Rec. Temp.	117 °F @ BHT	°F @	°F @
Equip. | Location	9430 | WDLND	|	|
Recorded By	KENNEDY		
Witnessed By	McBURNIE, CLARE, BRUER		

Fold Here

Service Ticket No 048886 Remarks

Change in Mud Type or Additional Samples

Date | Sample No	|	|
Depth—Driller		
Type Fluid in Hole		
Dens. | Visc.	|	|
ph | Fluid Loss	| ml	|
Source of Sample		
R_m @ Meas. Temp.	@ °F	@ F
R_{mf} @ Meas. Temp.	@ F	@ F
R_{mc} @ Meas. Temp.	@ °F	@ °F
Source: R_{mf} | R_{mc}	|	|
R_m @ BHT	1.29 @ 117 F	@ F
R_{mf} BHT	1.16 @ 117 F	@ °F
R_{mc} BHT	1.20 @ 117 F	@ °F

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

EQUIPMENT DATA

Run No.	Tool Type and No.	Pad Type	Tool Position	Other
ONE	DIP 12101			
	MAND.			

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 wilful misconduct [illegible] damages or expenses resulting from the use thereof.

Magnetic Declination NORTH 20.5 EAST

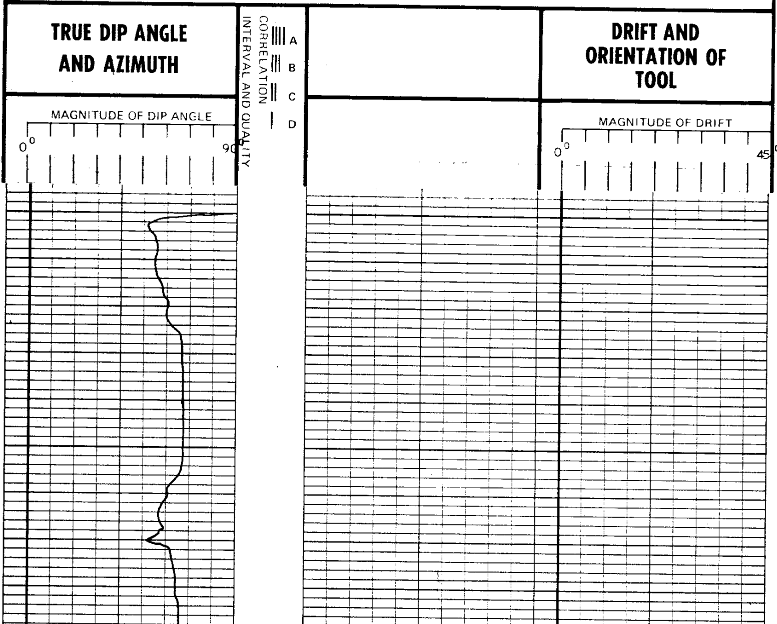
TABLE OF CONSTANTS FOR DETERMINING VERTICAL DIFFERENCE AT VARIOUS DIP ANGLES

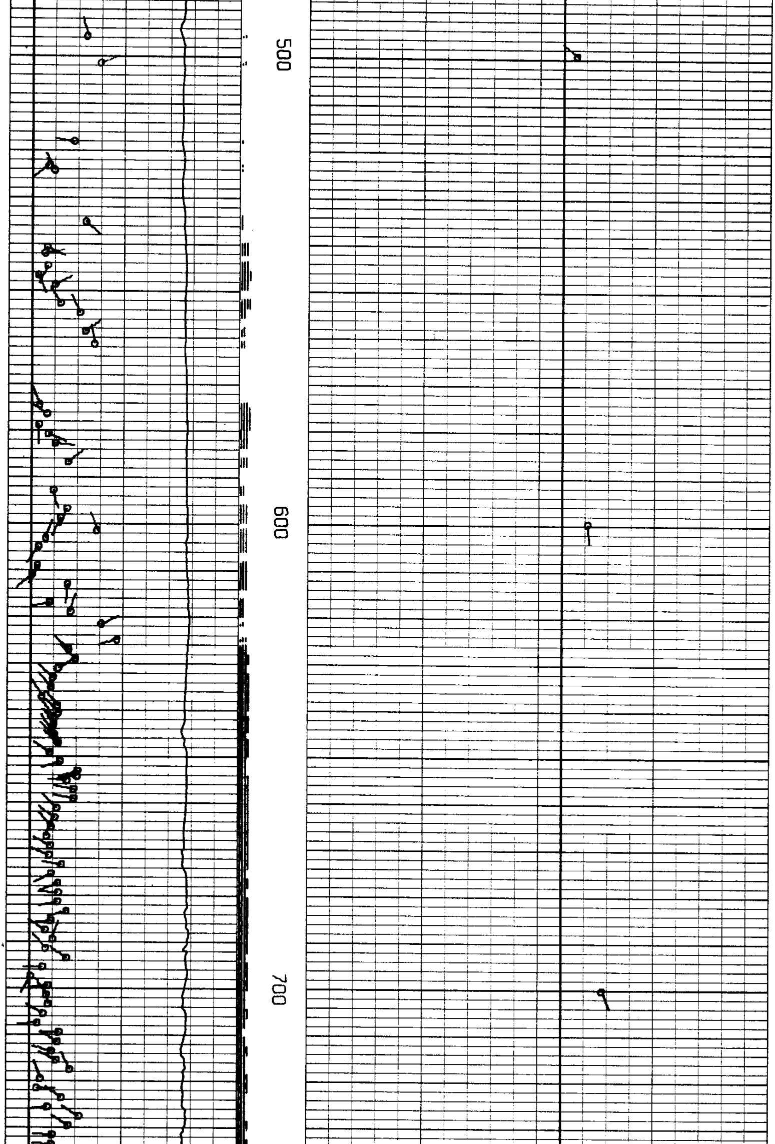
DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT
1	.0175	11	.194	21	.384	35	.700
2	.035	12	.213	22	.404	40	.839
3	.052	13	.231	23	.425	45	1.000
4	.070	14	.249	24	.445	50	1.192
5	.088	15	.268	25	.466	55	1.428
6	.105	16	.287	26	.487	60	1.732
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

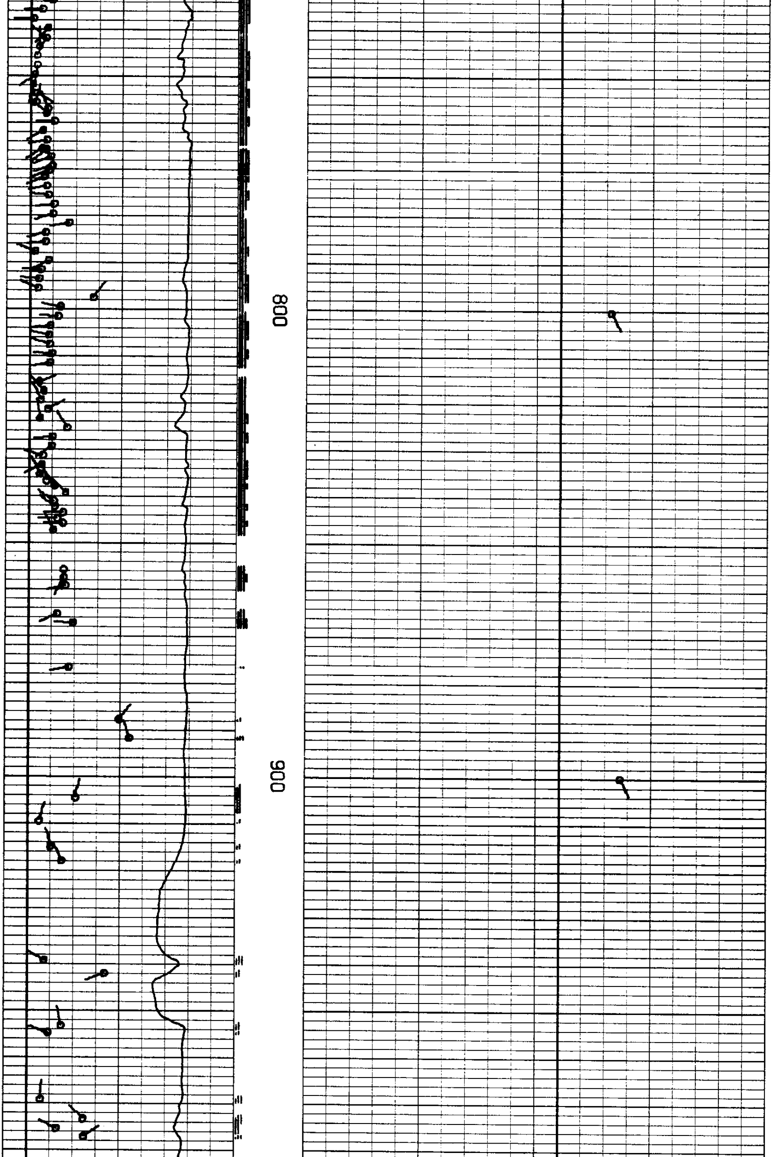
Vertical difference in feet is obtained by multiplying the constant for any given dip angle by the horizontal distance in feet.

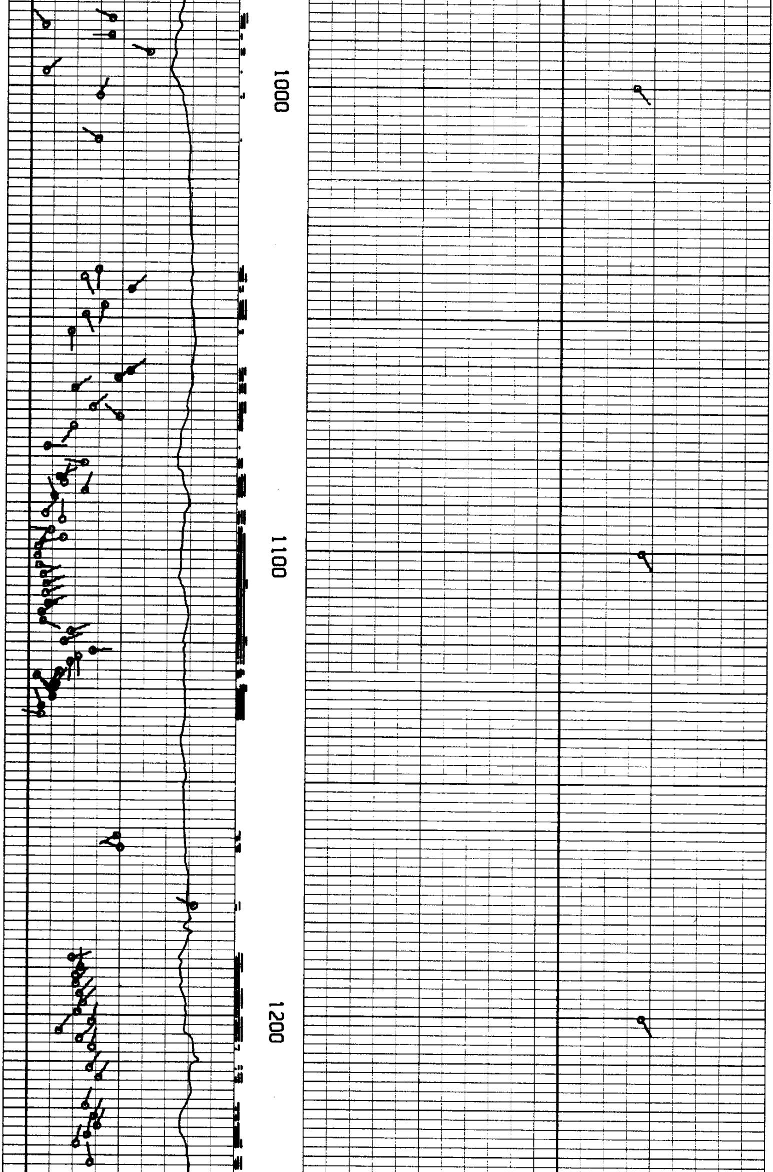
Example: Dip angle 10°, Horizontal distance 440 ft.
Vertical difference = .176 x 440 = 77.44

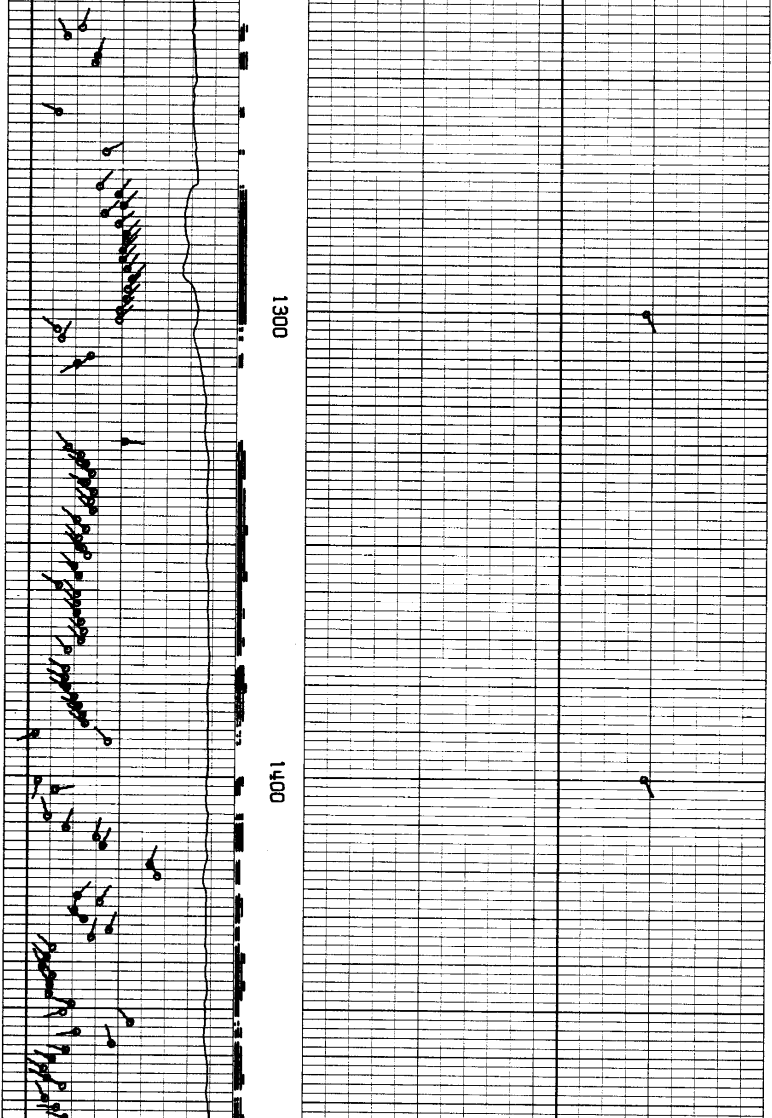
GRAPHIC PRESENTATION

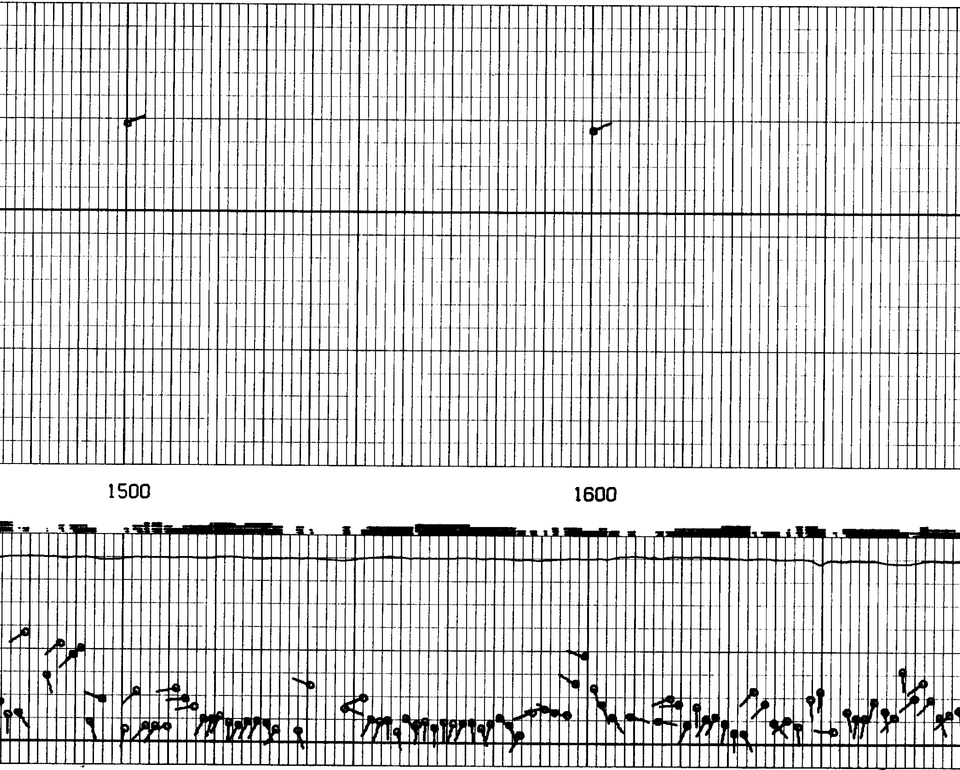


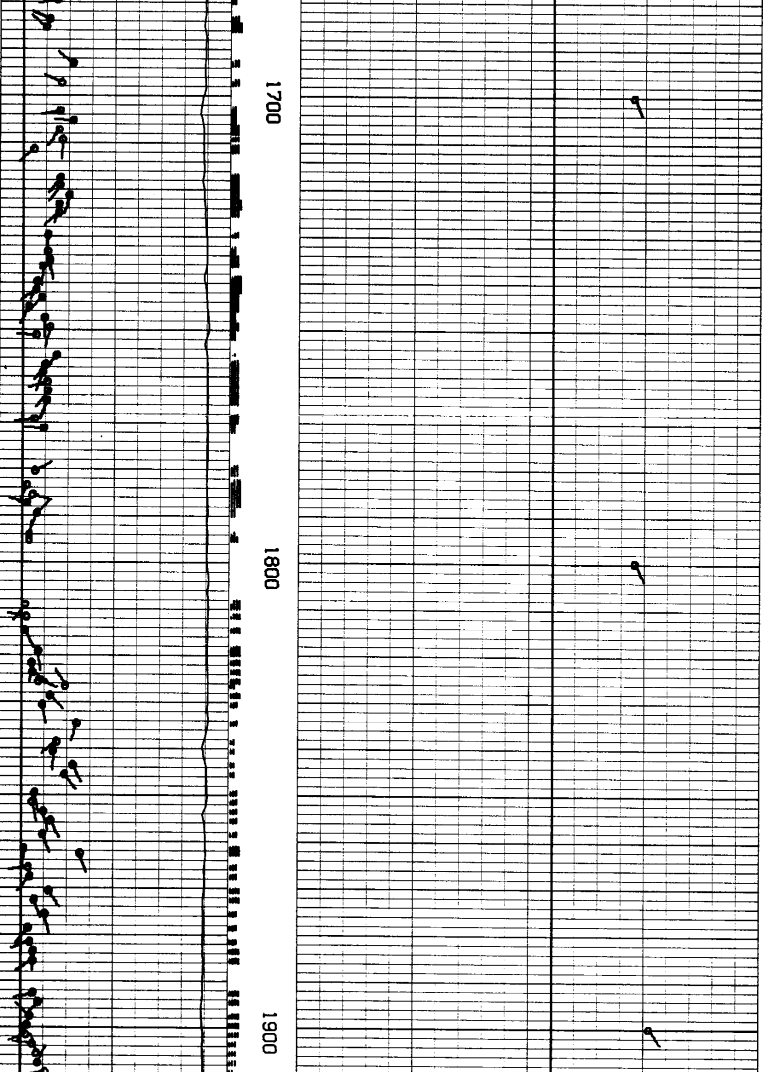


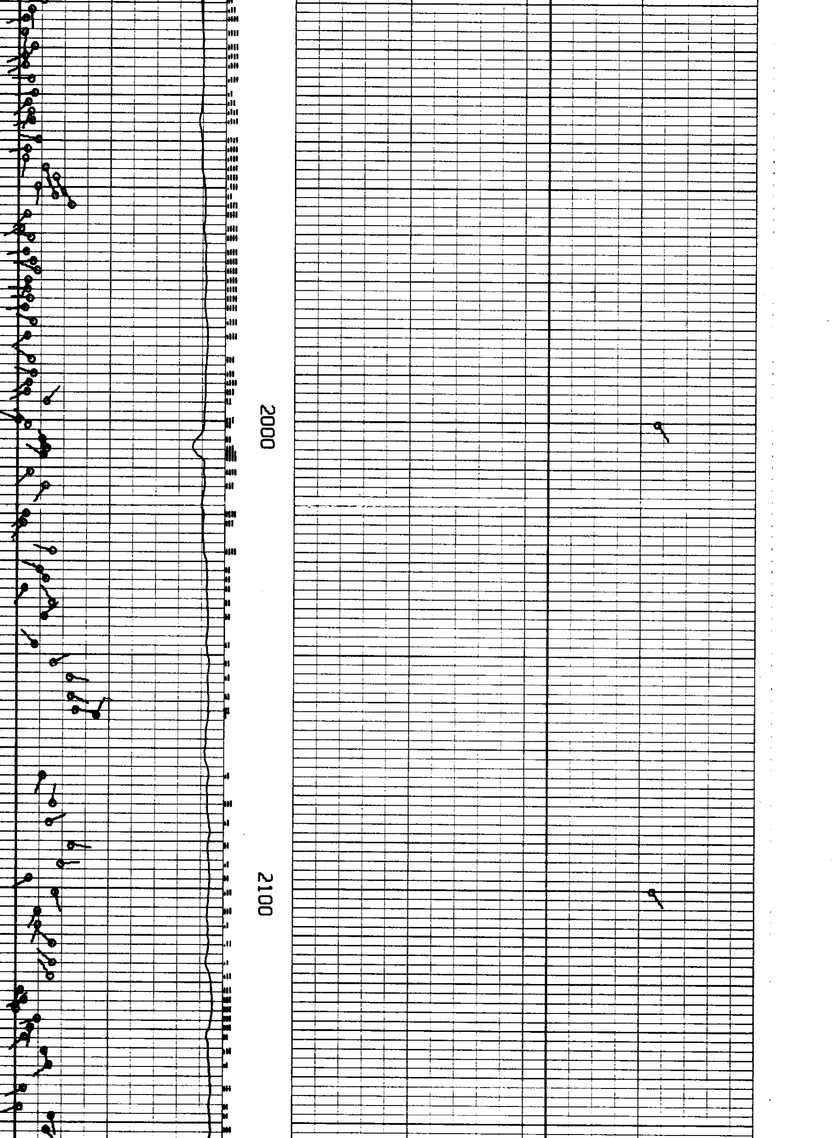


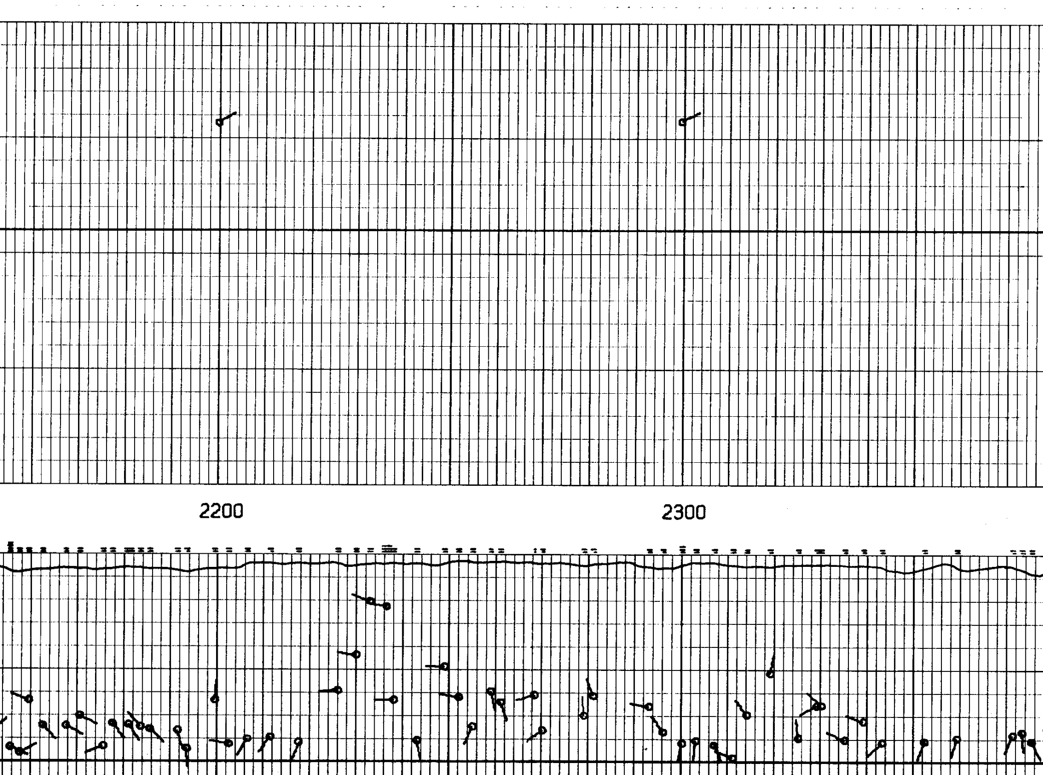


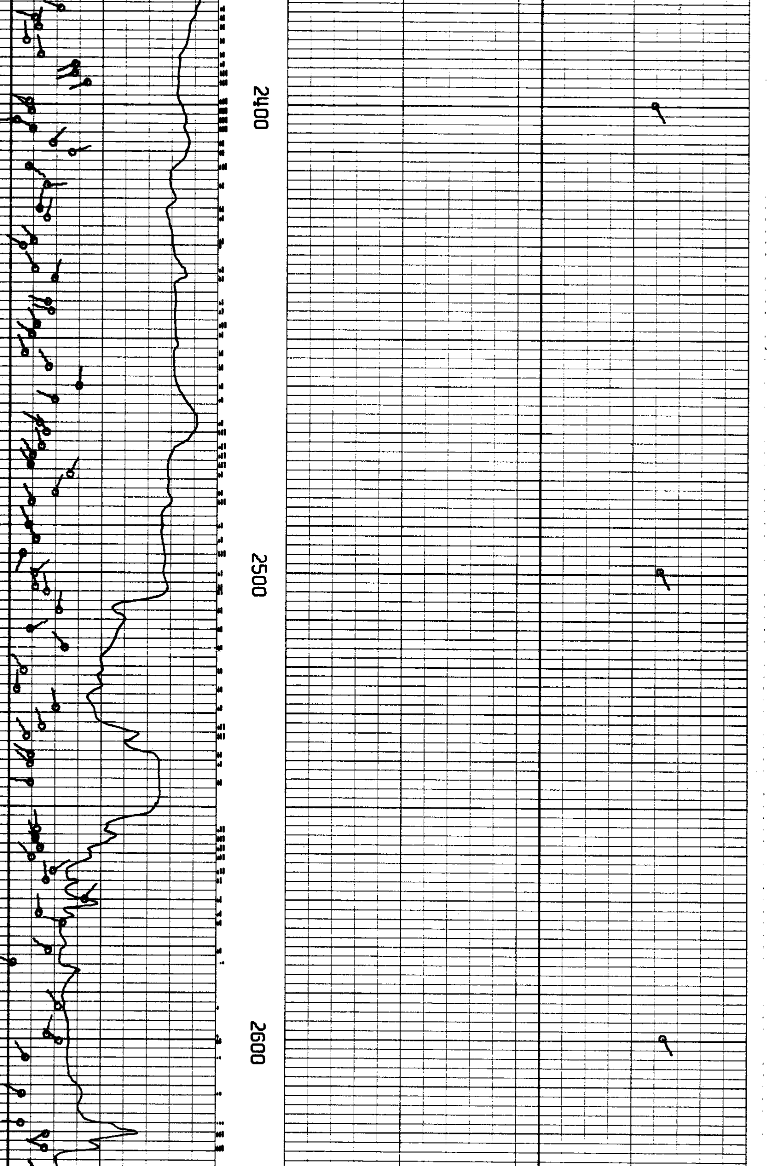


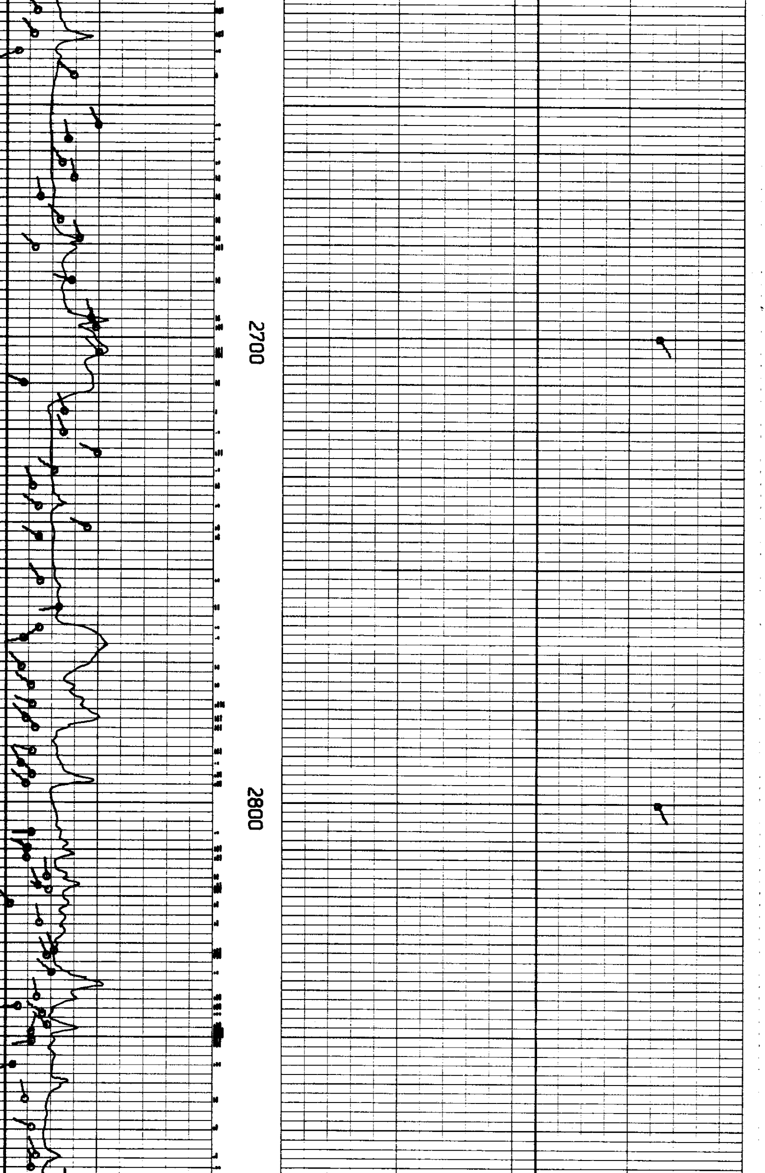


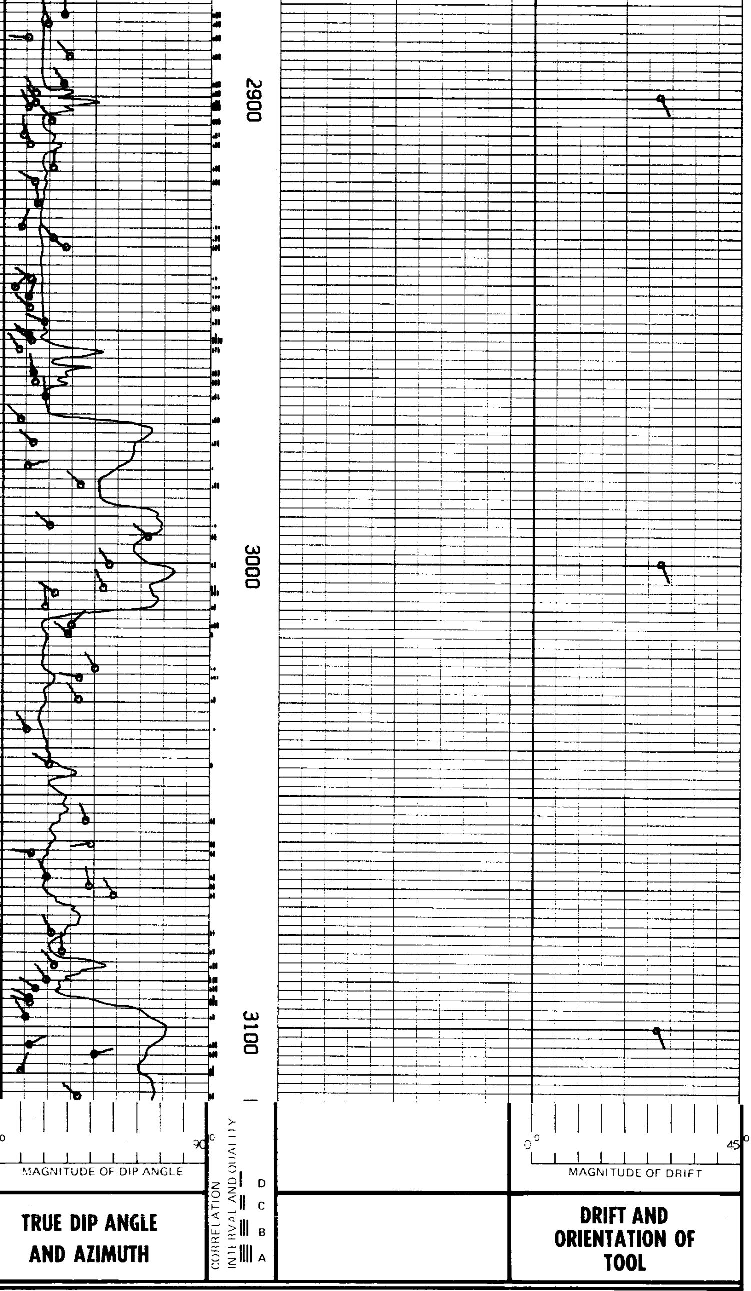












REICHHOLD ENERGY CORPORATION
COLUMBIA COUNTY NO. 5 REDRILL NO. 1
NEHALEM BASIN
COLUMBIA COUNTY, OREGON

T.D. LOGGED	3124
T.D. DRILLER	3128
T.D. WELEX	3126

ELEV: KB 947.62 GL 936.2