CC 04

DIP LOG CALCULATIONS

5"=100'

COMPANY REICHHOLD ENERGY CORPORATION
WELL COLUMBIA COUNTY NO.4
FIELD NEHALEM BASIN
COUNTY COLUMBIA STATE OREGON

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Location 867' SOUTH & 1149' WEST OF THE NORTHEAST CORNER OF: (W.B.M.)

Other Services: IEL C/AVL

Sec. 15 Twp. 6N Rge. 5W

Permanent Datum G.L. Elev. 754
Log Measured From K.B. OR 11.2 Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 765.2
D.F.
G.L. 754

Date	5-15-79		
Run No.	ONE		
Depth - Driller	2926		
Depth - Welex	2926		
Btm. Log Inter.	2924		
Top Log Inter.	401		
Casing - Driller	7 @ 401	@	@
Casing - Welex	401		
Bit Size	6 1/4		
Type Fluid in Hole	SIPAN & BEN-X		
Dens. | Visc.	78 | 140	|	|
pH | Fluid Loss	10.5 | 13.2 ml	| ml	| ml
Source of Sample	CIRCULATED		
R_m @ Meas. Temp.	1.85 @ 80 °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	1.94 @ 72 °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	2.15 @ 72 °F	@ °F	@ °F
Source R_{mf} | R_{mc}	MEASURED	|	|
R_m @ BHT	1.26 @ 117 °F	@ °F	@ °F
Time Since Circ.	8 HRS.		
Max. Rec. Temp.	117°F @ BHT.	°F @	°F @
Equip. | Location	9430 | WOODLAND	|	|
Recorded By	KENNEDY		
Witnessed By	McBURNIE, CLARE, BRUER		

Fold Here

Service Ticket No. 006575 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	1.26 @ 117 °F	@ °F
R_{mf} @ BHT	1.19 @ 117 °F	@ °F
R_{mc} @ BHT	1.32 @ 117 °F	@ °F

Run No.	1	2	3	4
Tool Type	DIP			
Tool Number	13101			
Pad Type	FORXO			
Correlated By				
Computed By				

Remarks:

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, 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	[illegible]	.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.

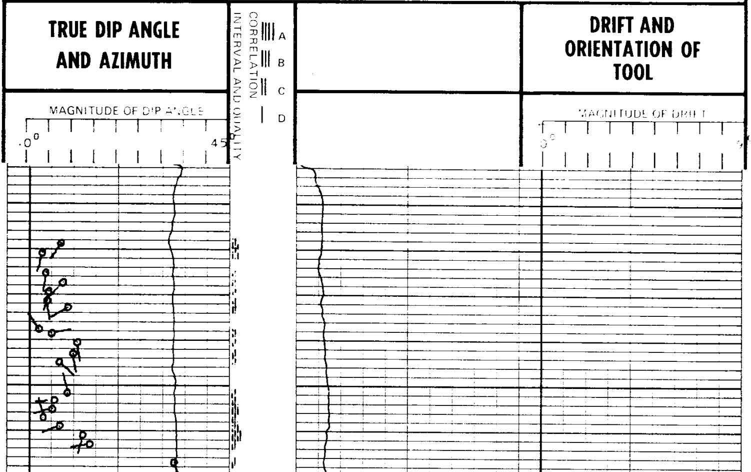
Example Dip angle 10 . Horizontal distance 440 ft.

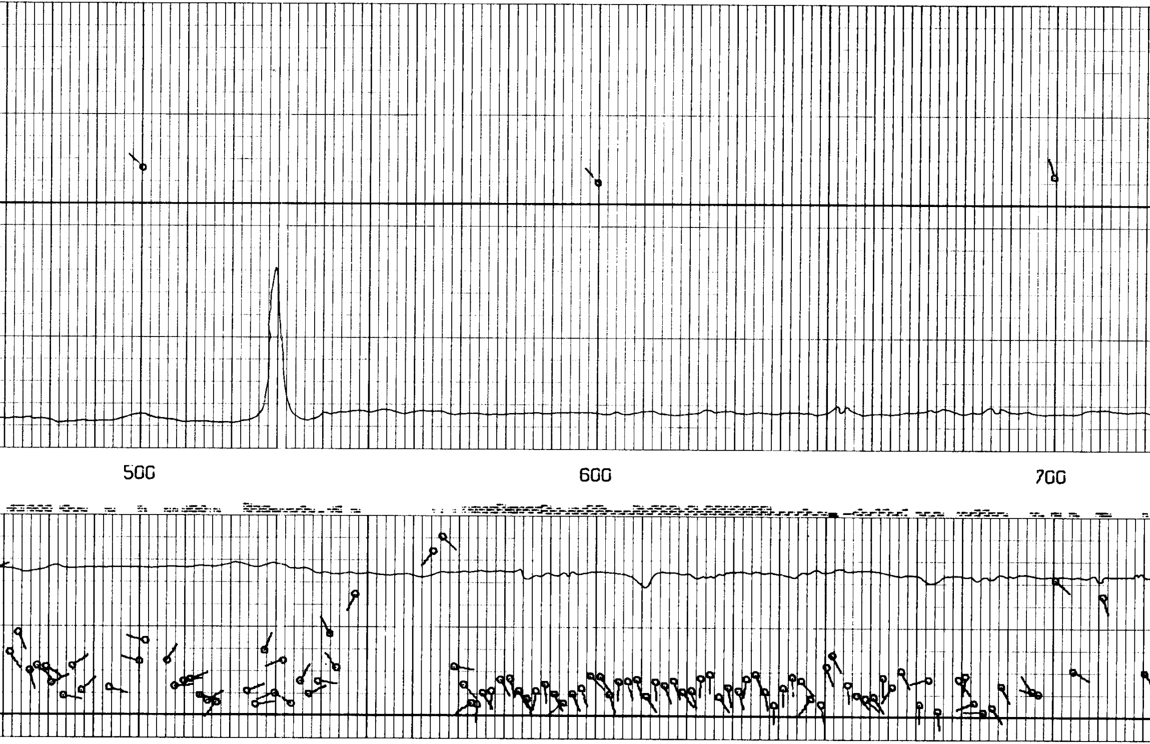
Vertical difference .176 x 440 77.44

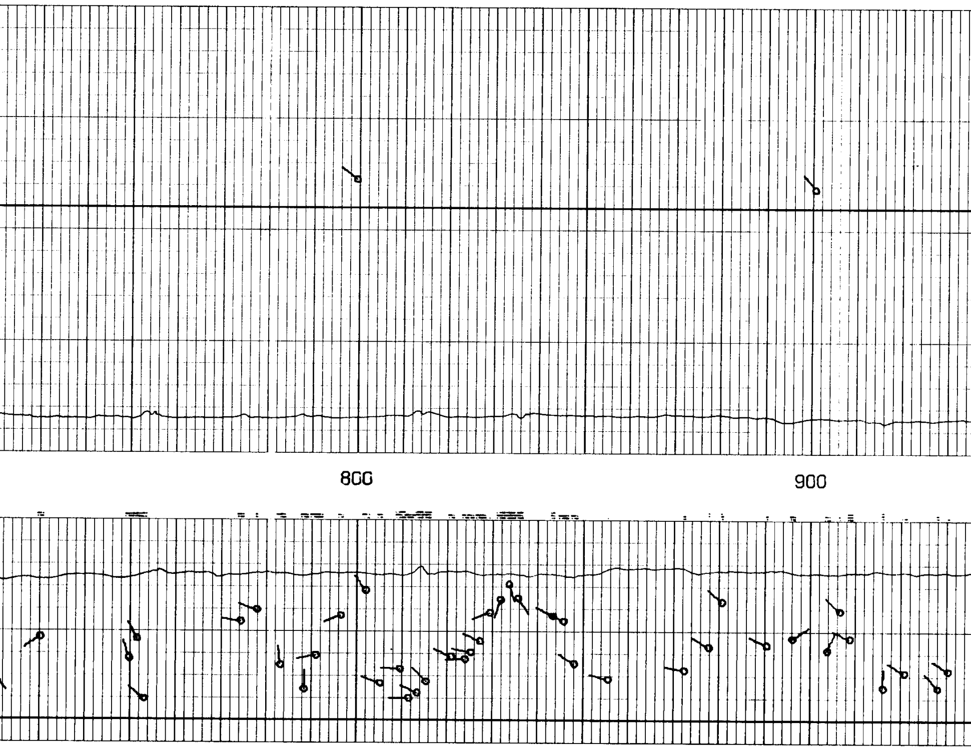
GRAPHIC PRESENTATION

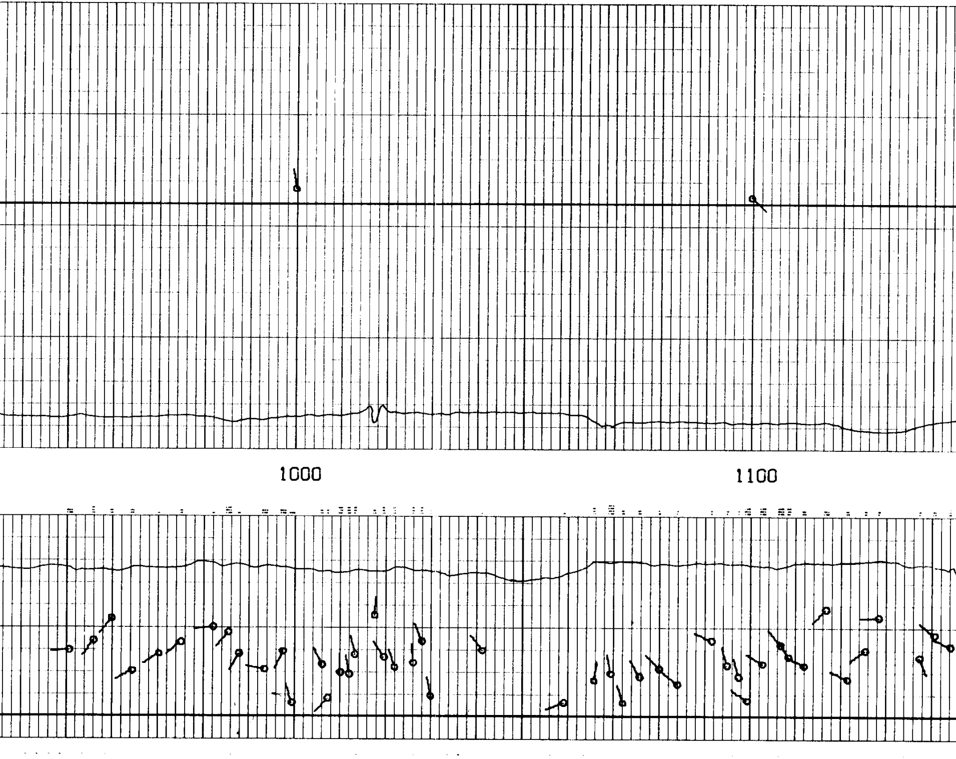
TRUE DIP ANGLE AND AZIMUTH

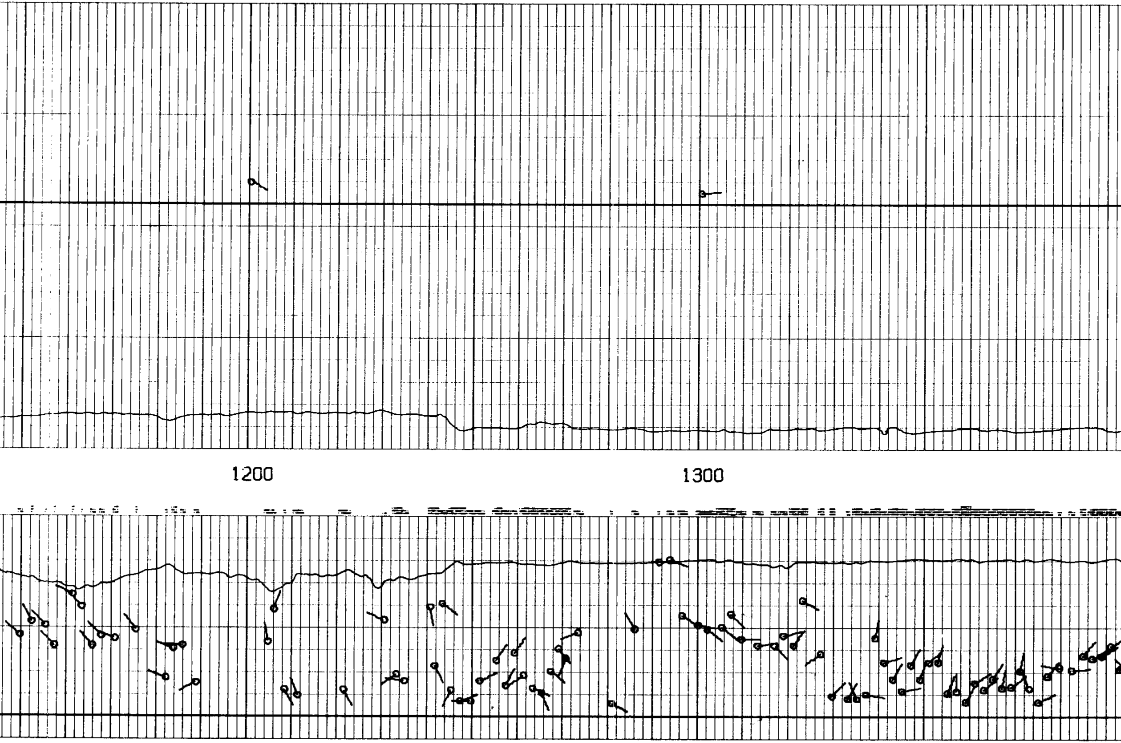
DRIFT AND ORIENTATION OF TOOL

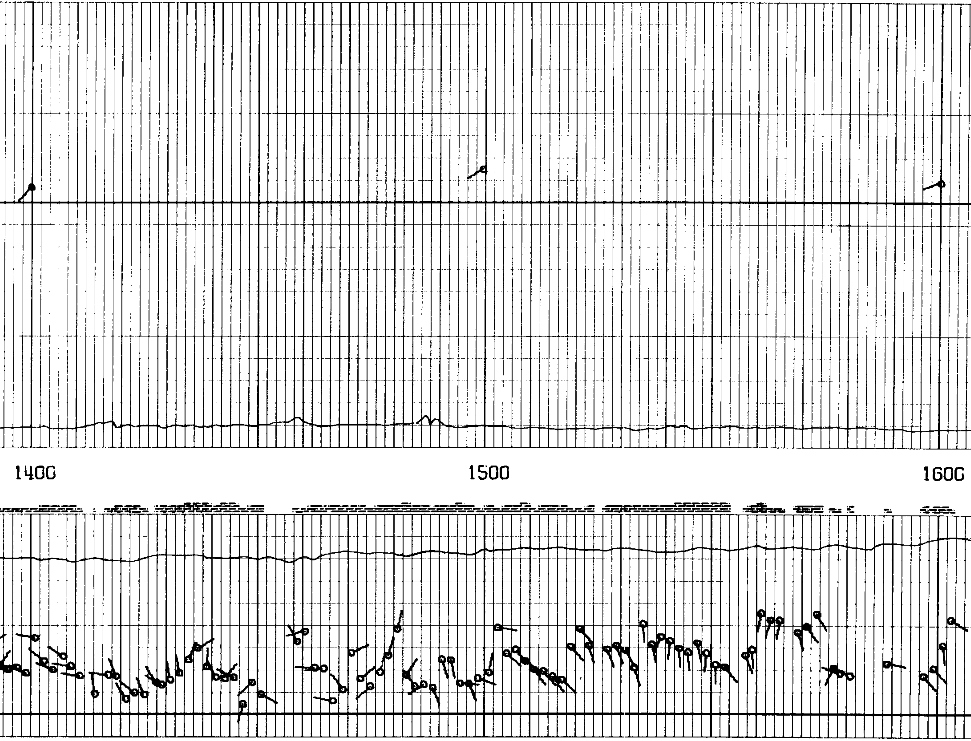


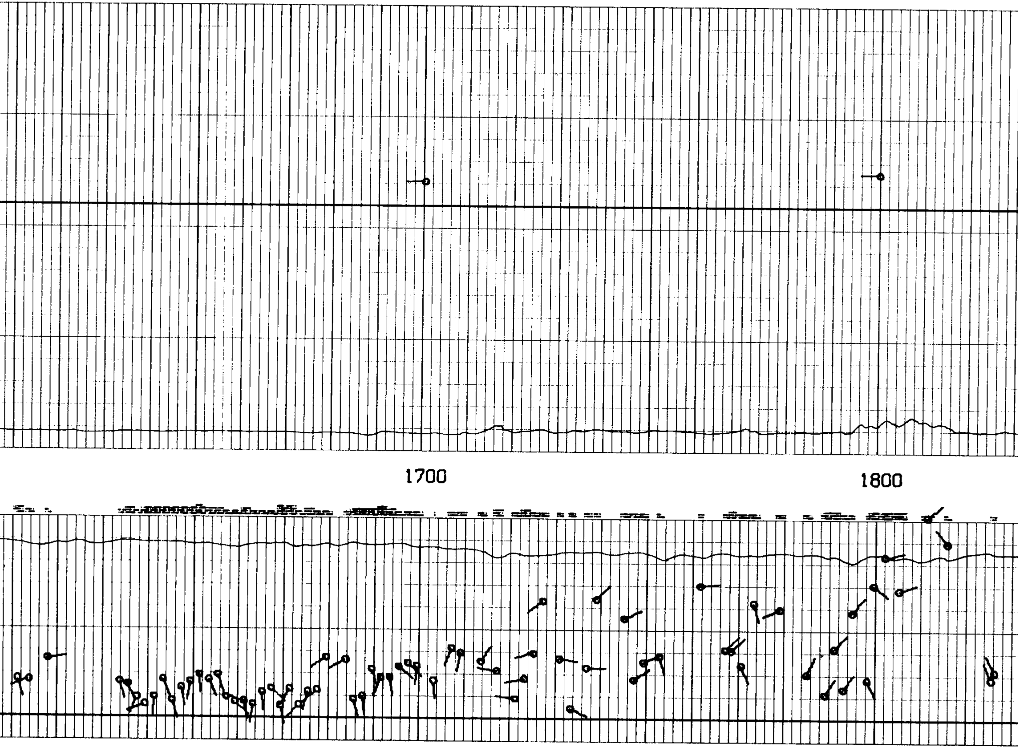


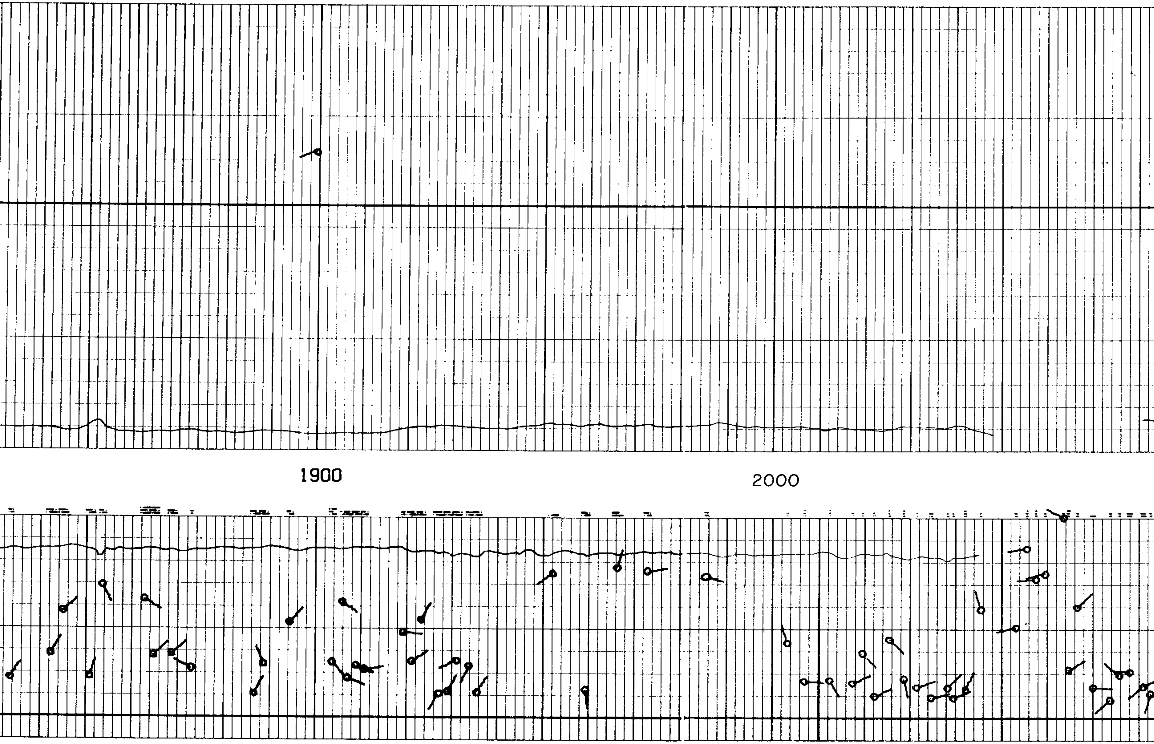


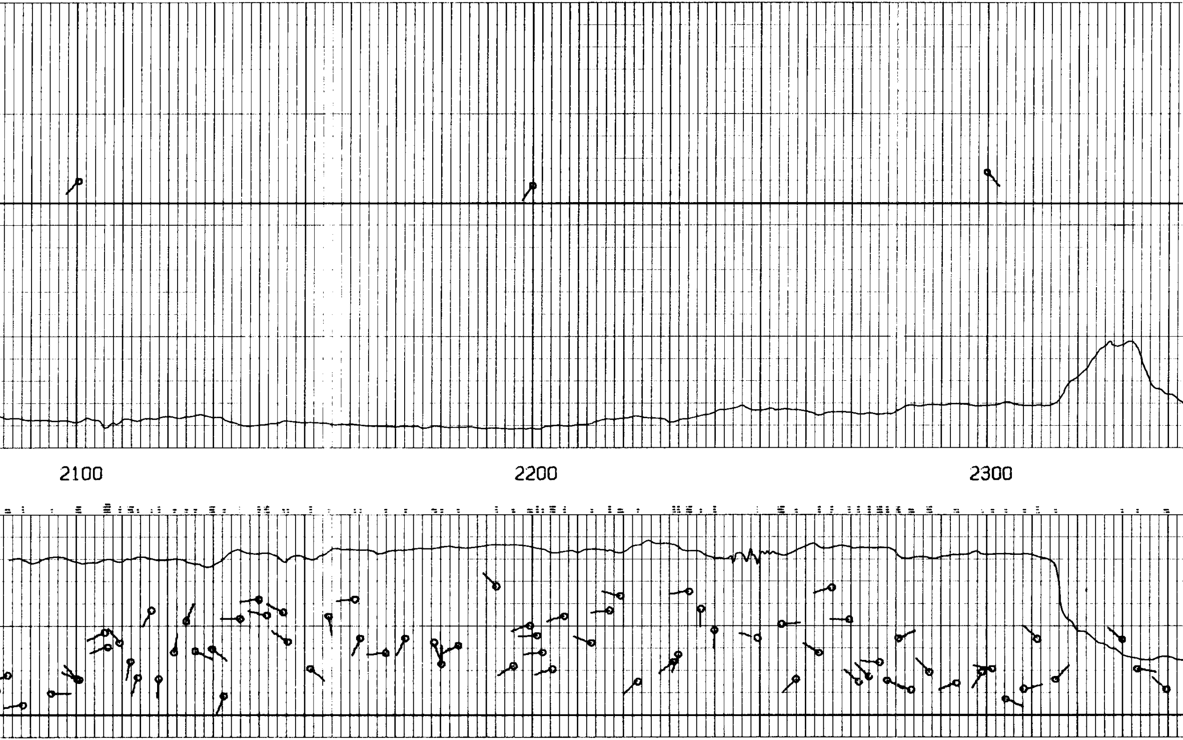


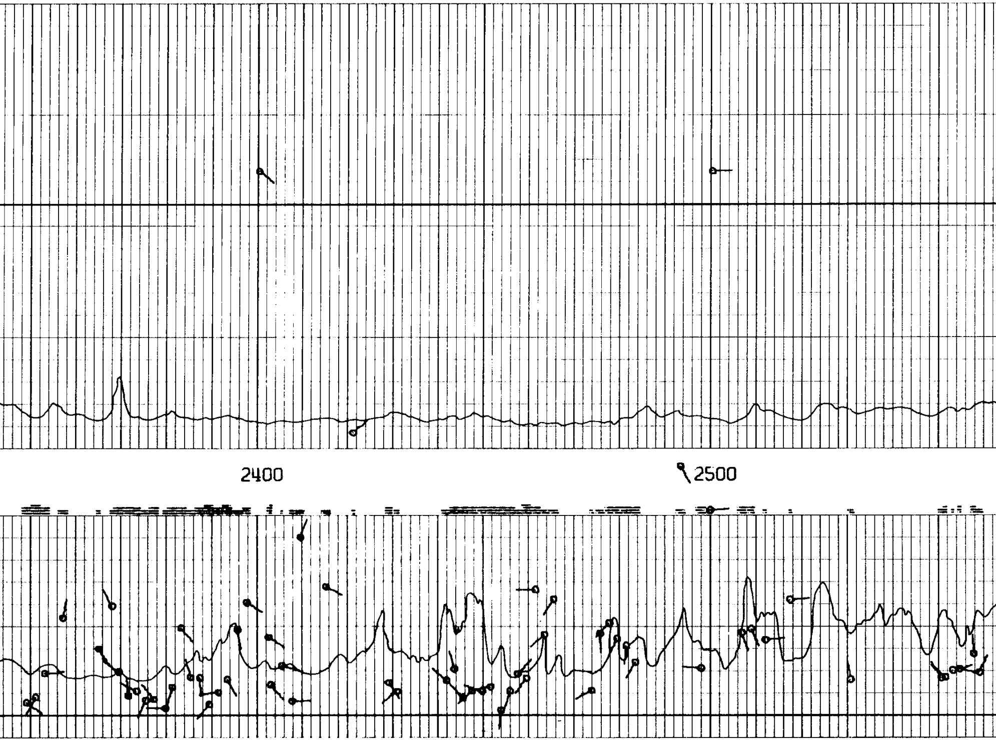


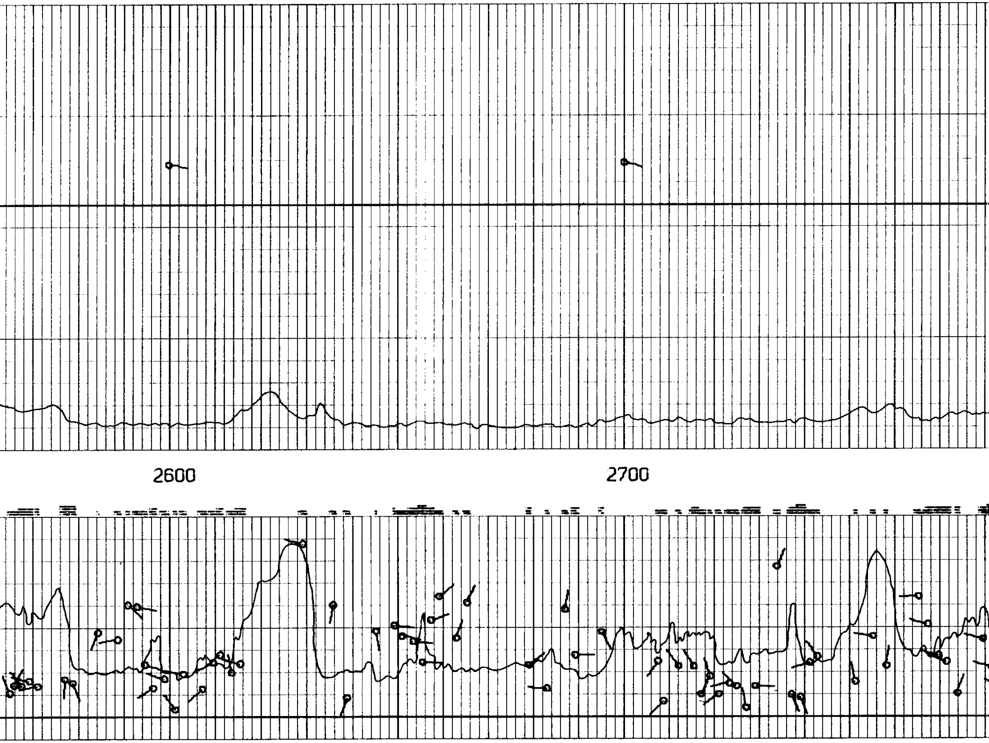


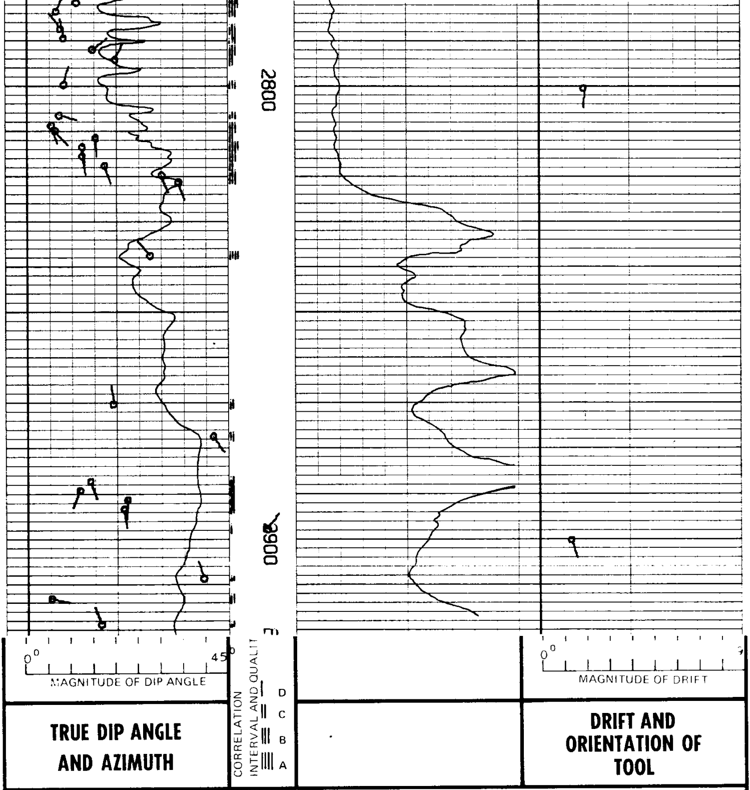












TRUE DIP ANGLE AND AZIMUTH

DRIFT AND ORIENTATION OF TOOL

REICHHOLD ENERGY CORPORATION
COLUMBIA COUNTY NO.4
NEHALEM BASIN
COLUMBIA COUNTY, OREGON

T.D. LOGGED 2924
T.D. DRILLER 2926
T.D. WELEX 2926
ELEV: KB 765.2 GL 754