CC 12-09-65 ×RD1

Welex

5" = 100'

DIP LOG CALCULATIONS

COMPANY REICHHOLD ENERGY CORPORATION
WELL COLUMBIA COUNTY 12-9 REDRILL NO.1
FIELD MIST, NEHALEM BASI
COUNTY COLUMBIA STATE OR

COMPANY	REICHHOLD ENERGY CORPORATION
WELL	COLUMBIA COUNTY 12-9 REDRILL NO.1
FIELD	MIST, NEHALEM BASIN
COUNTY	COLUMBIA
STATE	OREGON

Location
795' NORTH & 126' EAST FROM THE
WEST 1/4 CORNER OF:
Sec. 9 Twp. 6N Rge. 5W

Other Services:
DIG
C/AVL
GEOPHONE

Permanent Datum G.L. Elev. 734.2
Log Measured From K.B. OR 10.5 Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 744.7
D.F.
G.L. 734.7

RECEIVED PTLD
MAR 17 1982
DEPT OF GEOLOGY

Date	3-1-82			
Run No.	ONE			
Depth - Driller	2914			
Depth - Welex	2910			
Btm. Log Inter.	2909			
Top Log Inter.	405			
Casing - Driller	7 @ 405	@	@	@
Casing - Welex	405			
Bit Size	6 1/4			
Type Fluid in Hole	LIGNITE/ LIGNO/GEL			
Dens. | Visc.	10.1 | 53	|	|	|
pH | Fluid Loss	10.0 | 13.5 ml	| ml	| ml	| ml
Source of Sample	CIRCULATED			
R_m @ Meas. Temp.	1.59 @ 74 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	1.81 @ 61 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	2.10 @ 52 °F	@ °F	@ °F	@ °F
Source R_{mf} R_{mc}	MEASURED	|	|	|
R_m @ BHT	1.12 @ 105 °F	@ °F	@ °F	@ °F
Time Since Circ.	1/2 HOUR			
Max. Rec. Temp.	105°F @ BHT.	°F @	°F @	°F @
Equip. | Location	2876 | WOOLDAND	|	|	|
Recorded By	A. POIRIER, J. PARMELEE			
Witnessed By	M. ALGER			

Fold Here

Service Ticket No. 116053 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	1.12 @ 105 °F	@ °F
R_{mf} @ BHT	1.05 @ 105 °F	@ °F
R_{mc} @ BHT	1.04 @ 105 °F	@ °F

Run No.	1	2	3	4
Tool Type	DIP			
Tool Number	90127			
Pad Type	FORXO			
Correlated By				
Computed By				

MAND. NO.30024 TRANS. NO.90126
Remarks: **DRAFTED BY: B. CASTRO**

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 22.5° EAST

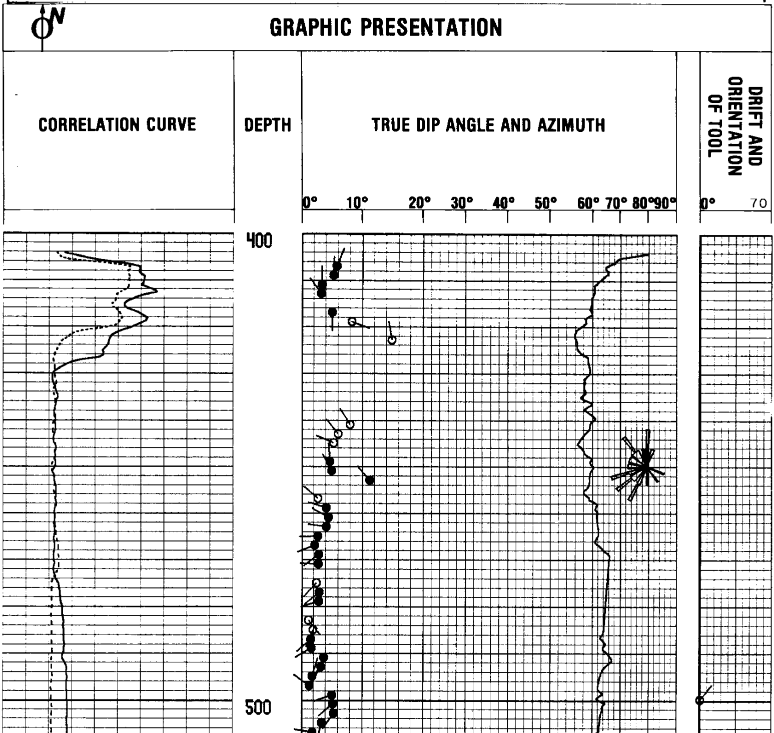
TABLE OF CONSTANTS FOR DETERMINING VERTICAL DIFFERENCE AT VARIOUS DIP ANGLES

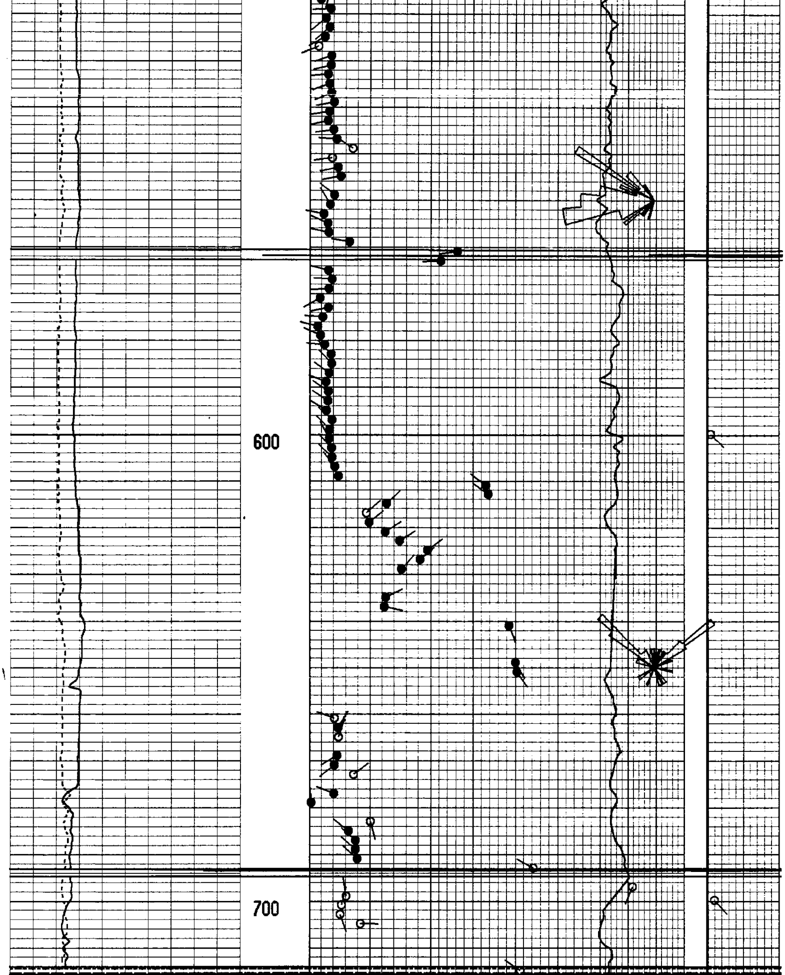
DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT
1	.0175	11	.194	21	.384	35	.700
2	.035	12	.213	22	.404	40	.839
3	.052	13	.231	23	.425	45	1.000
4	.070	14	.249	24	.445	50	1.192
5	.088	15	.268	25	.466	55	1.428
6	.105	16	.287	26	.487	60	1.732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

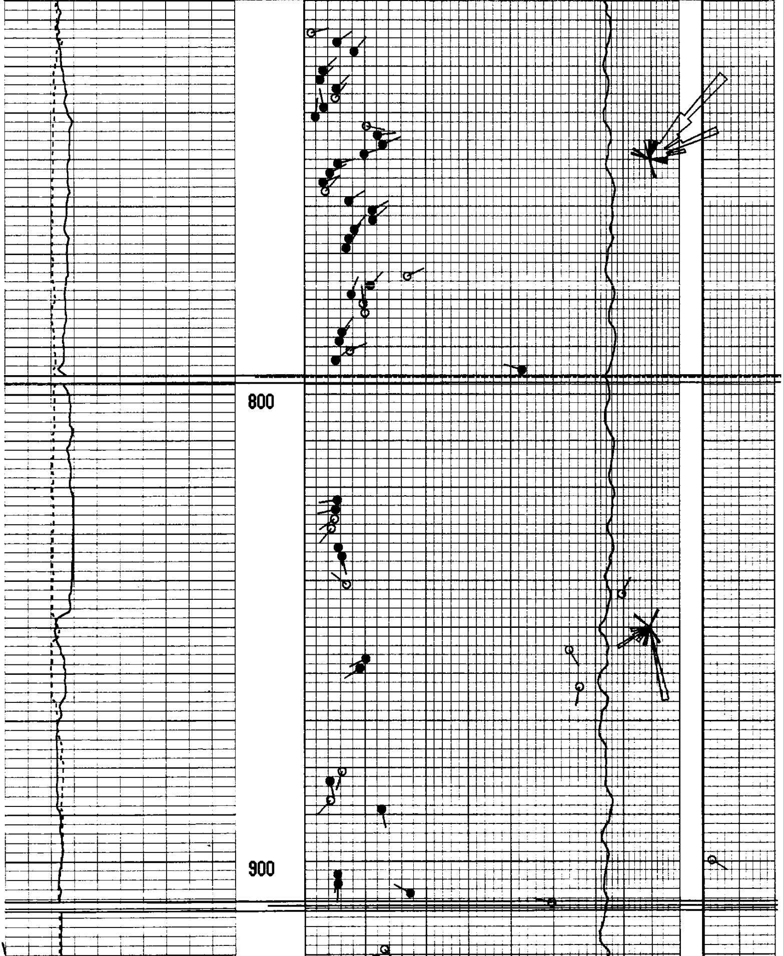
Vertical difference in feet is obtained by multiplying the constant for any given dip angle by the horizontal distance in feet.

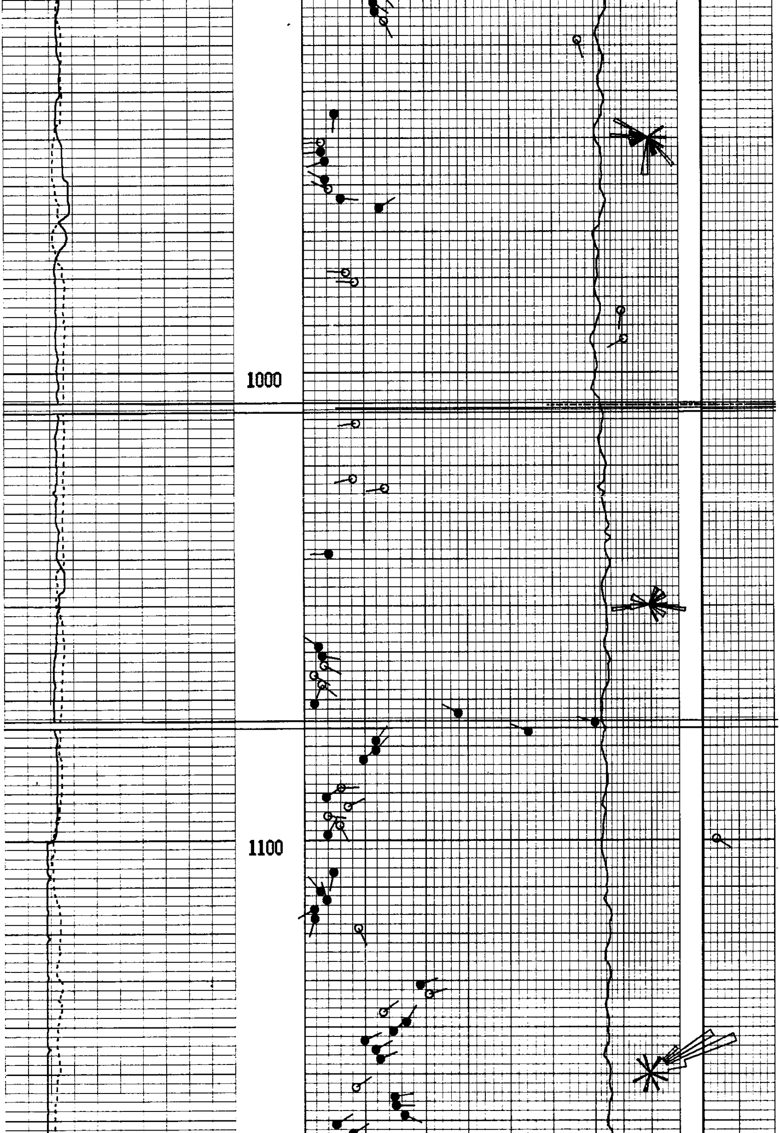
Example: Dip angle 10°, Horizontal distance 440 ft.
Vertical difference = .176 x 440 = 77.44

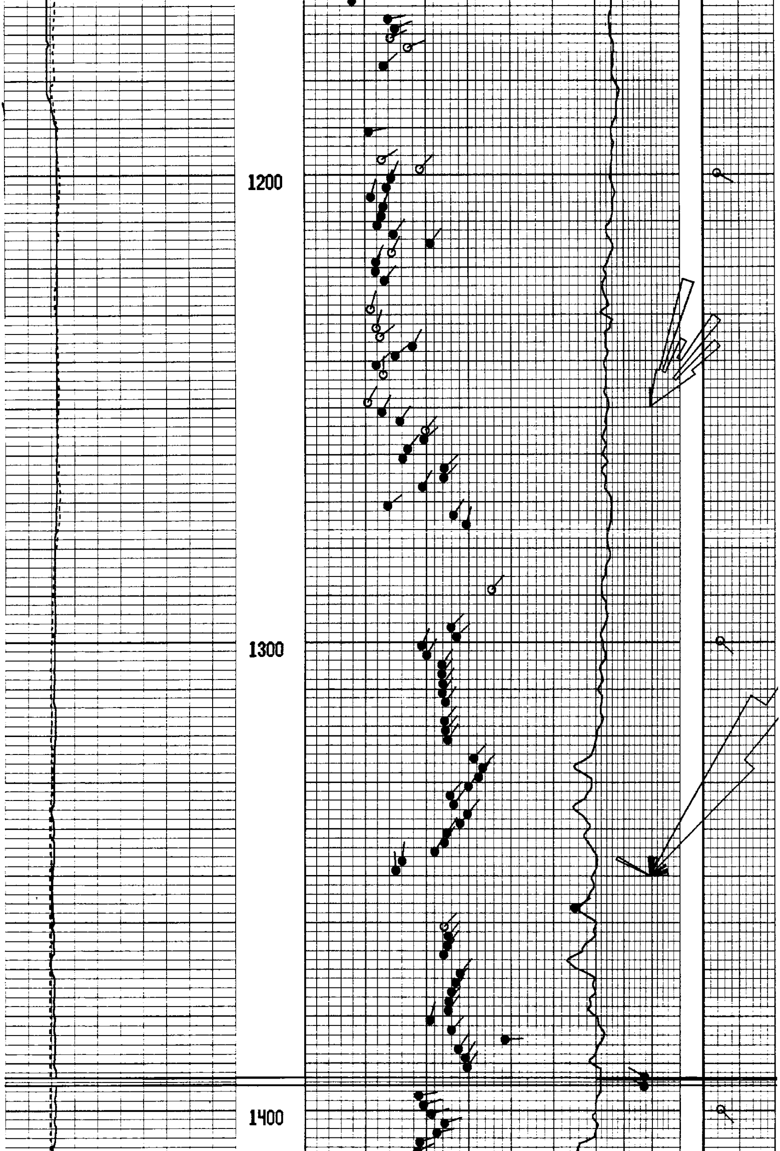
GRAPHIC PRESENTATION

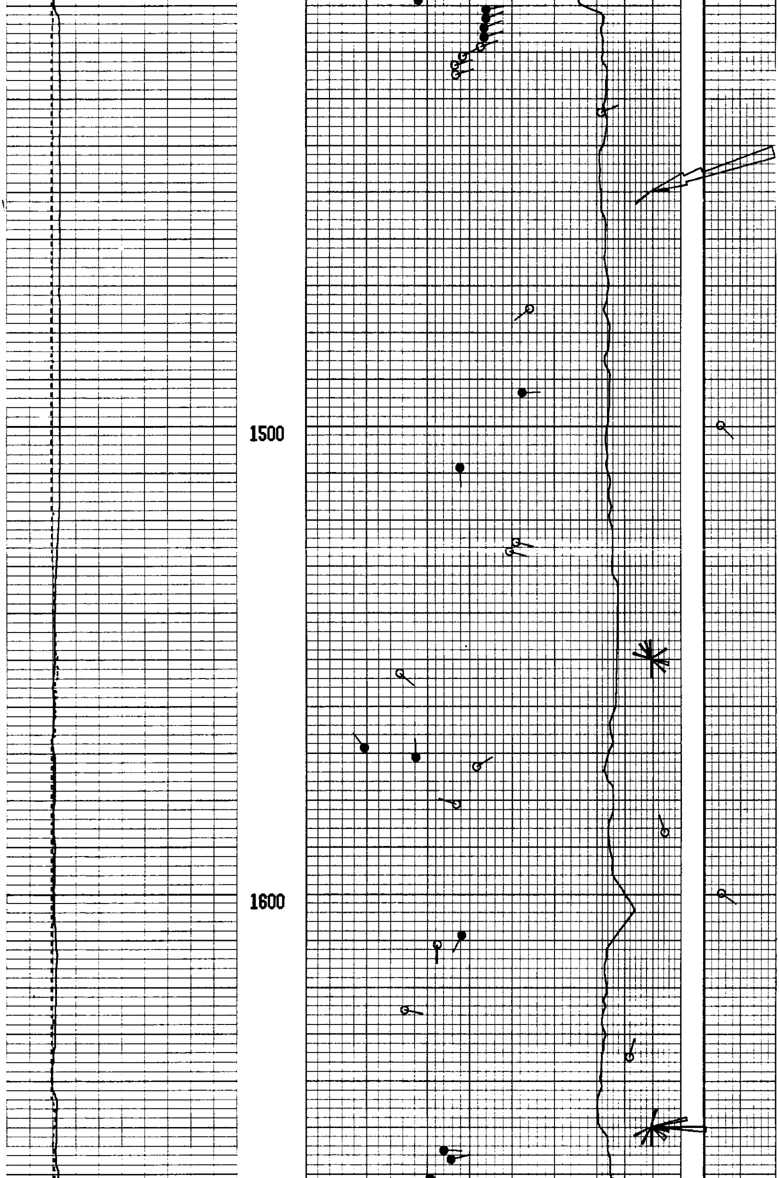


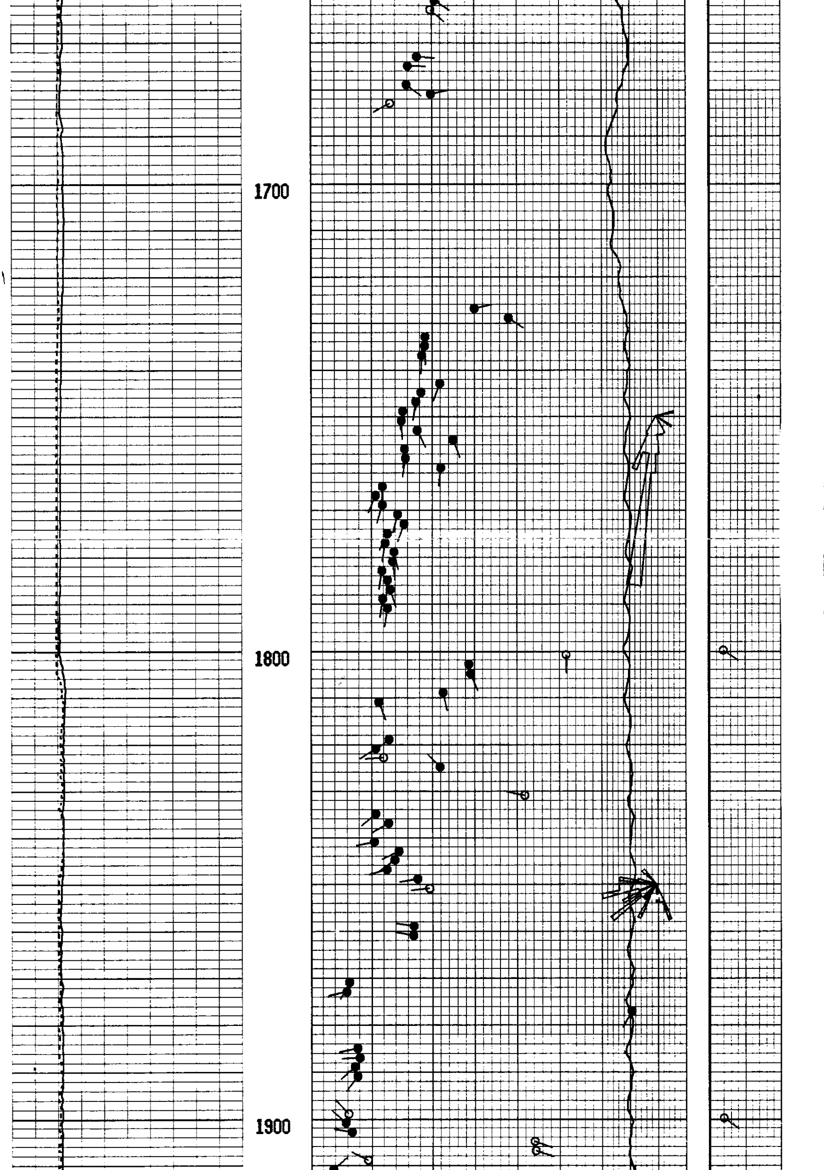


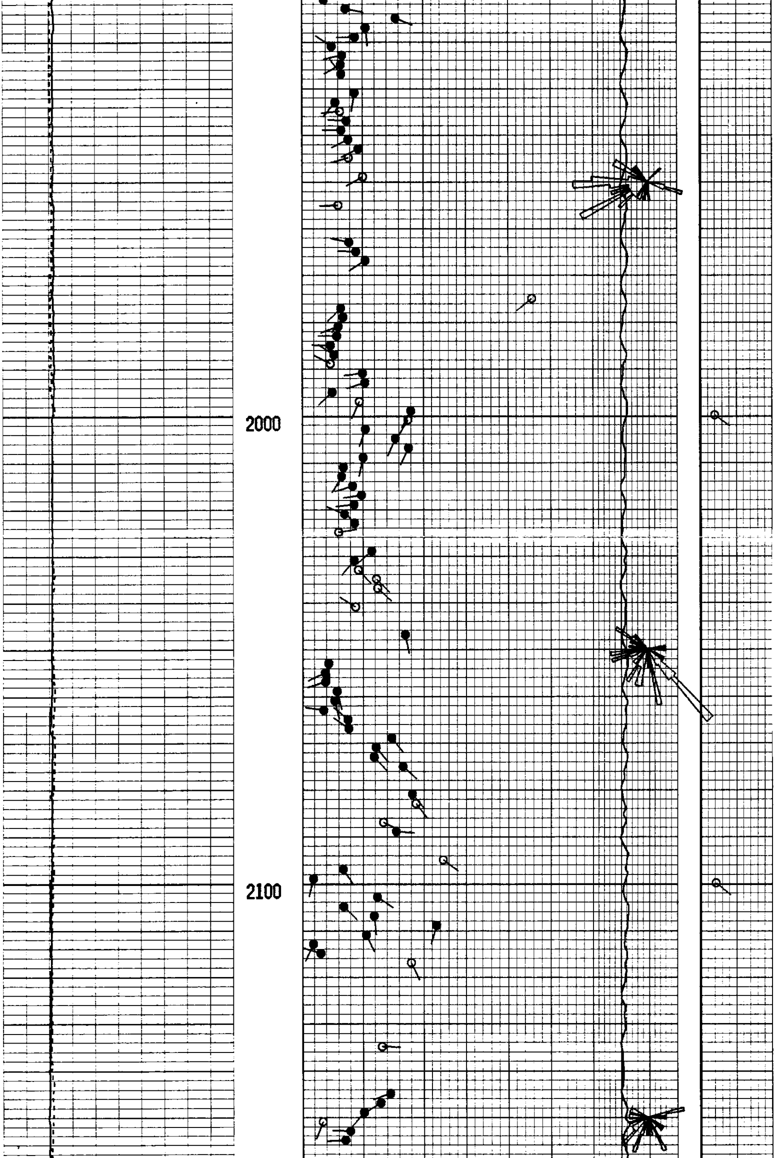


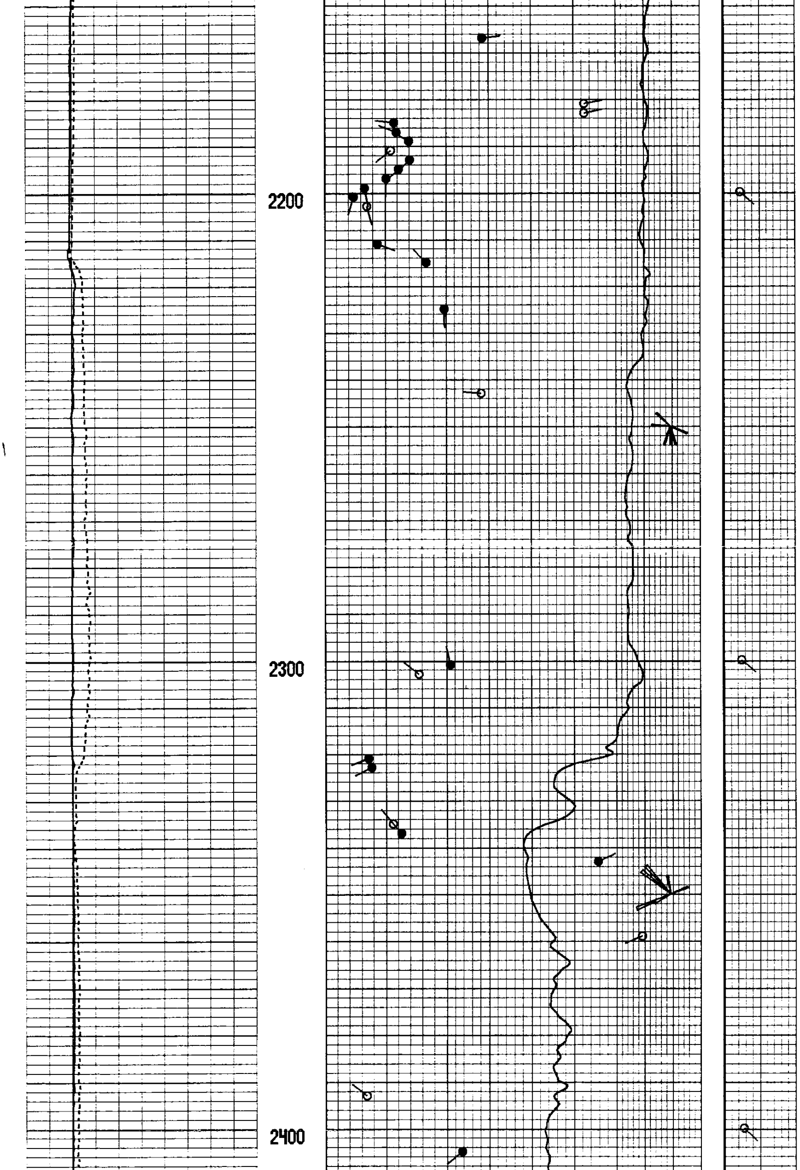


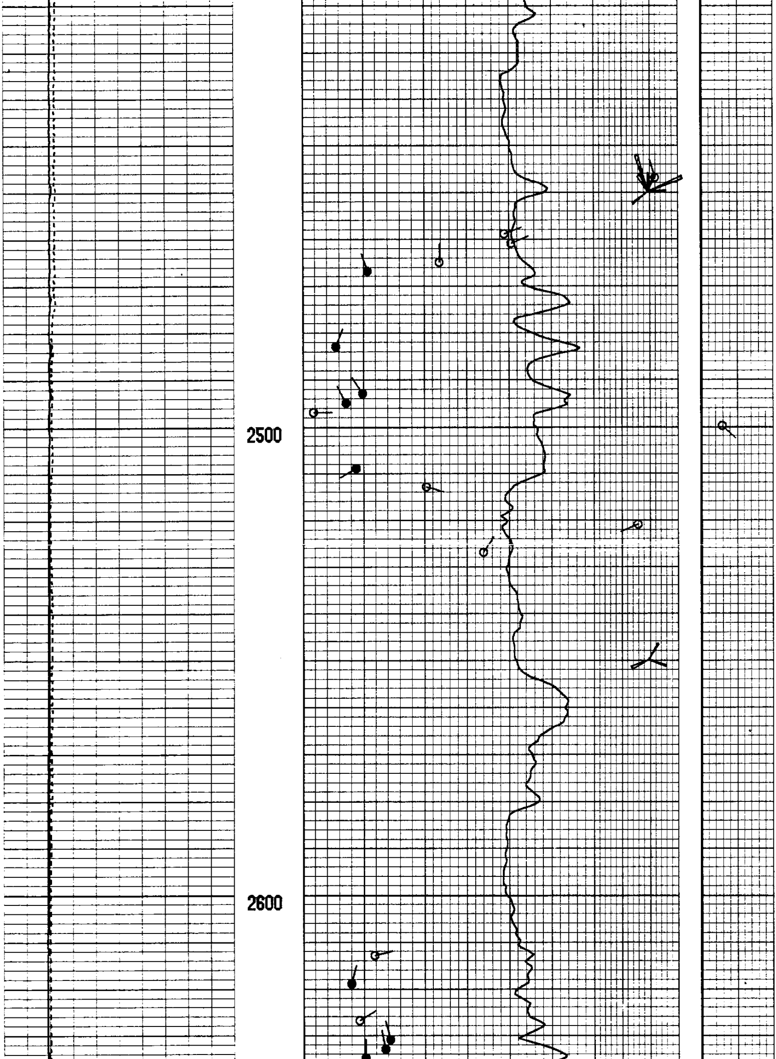


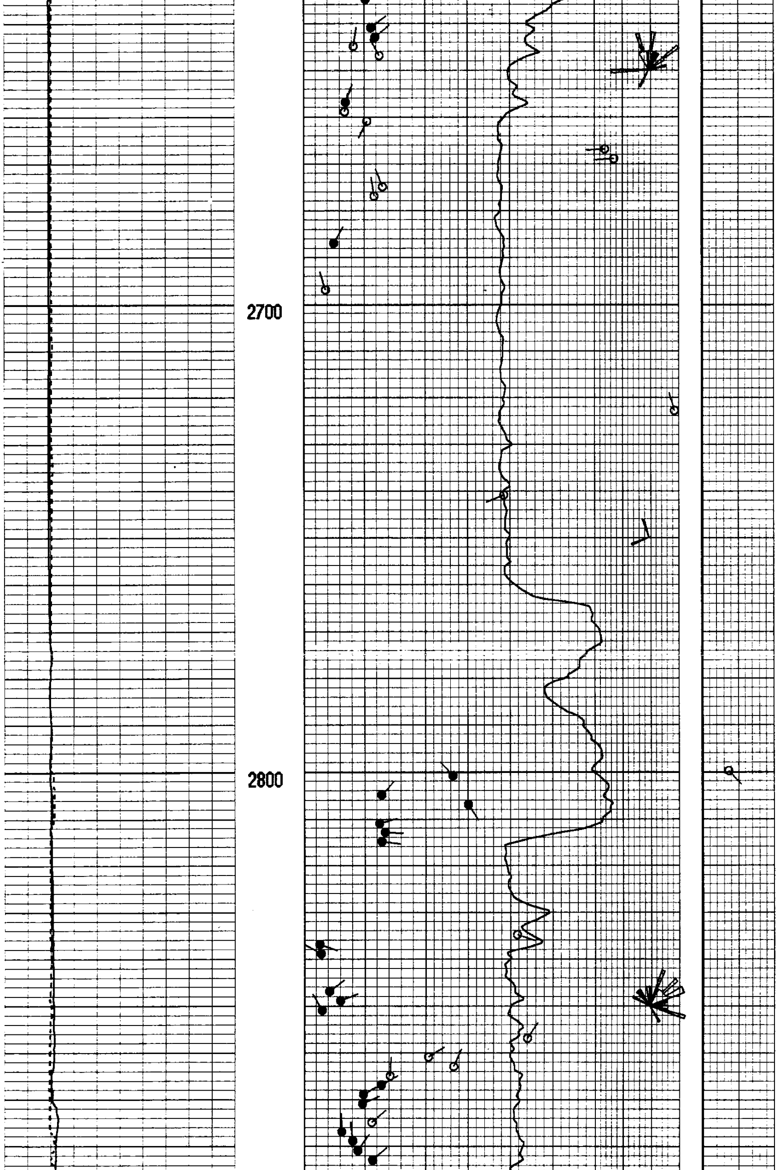


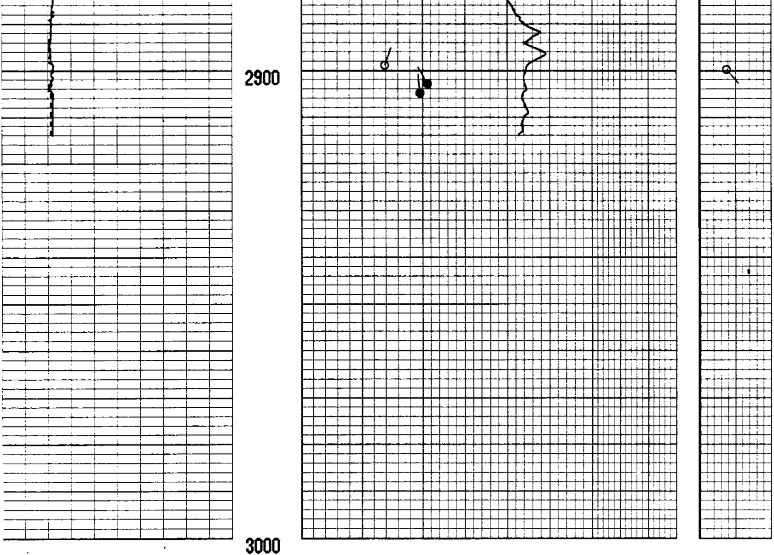








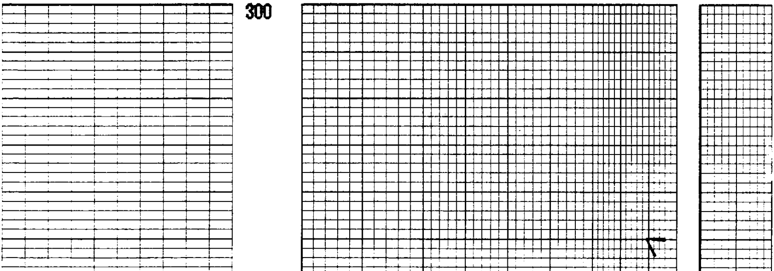


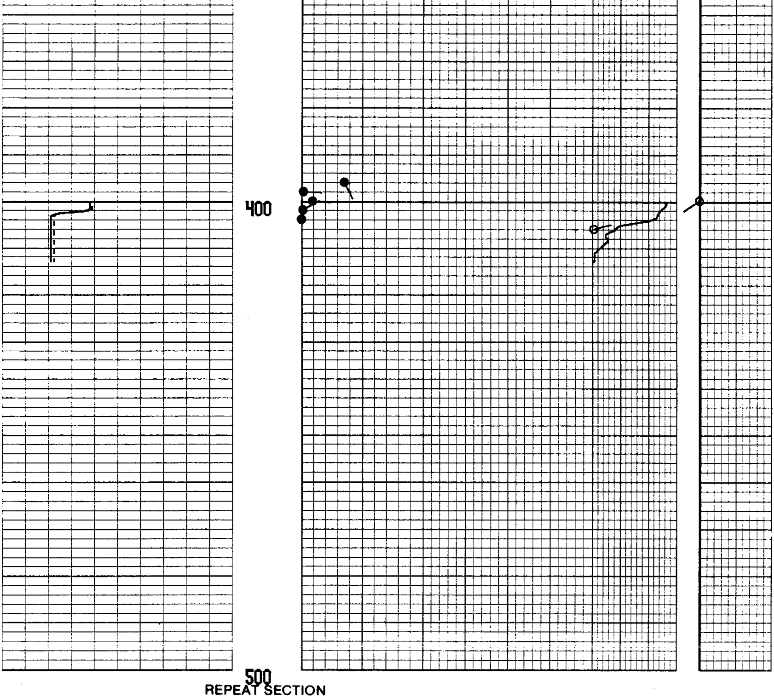


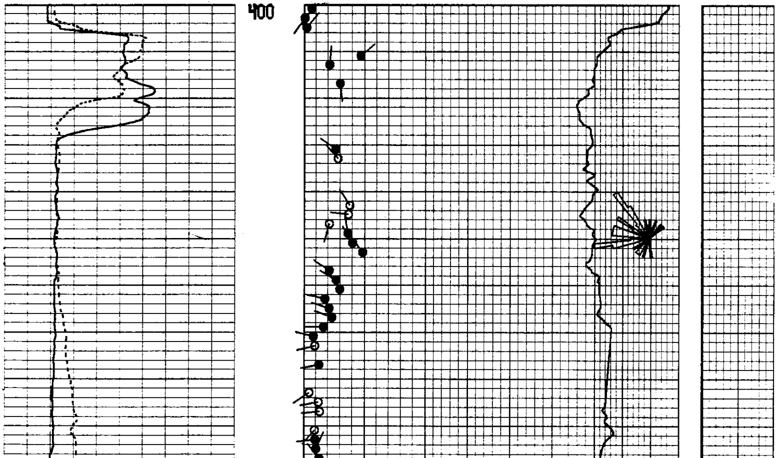
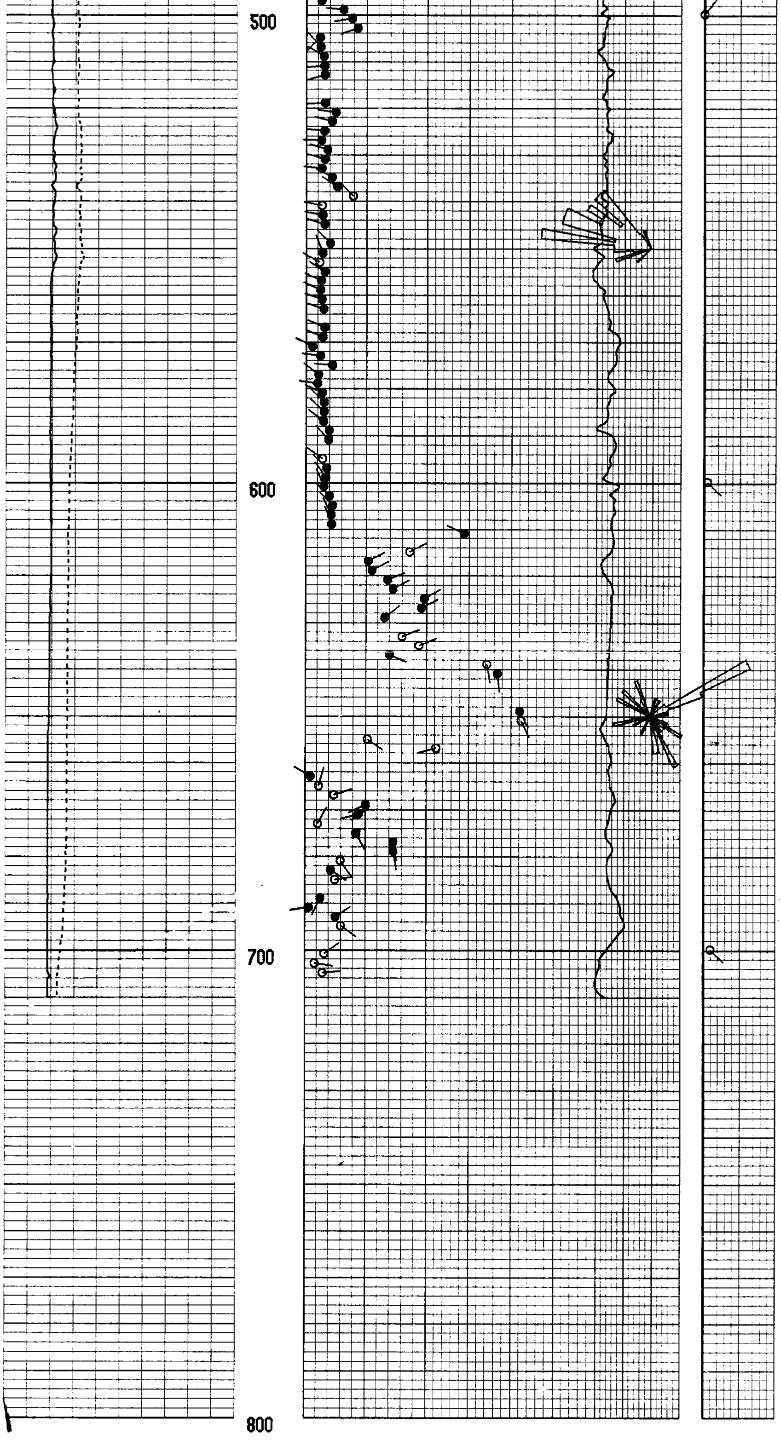
CORRELATION CURVE	DEPTH	TRUE DIP ANGLE AND AZIMUTH	DRIFT AND ORIENTATION OF TOOL
		0° 10° 20° 30° 40° 50° 60° 70° 80° 90°	0° 70

COMPANY	REICHHOLD ENERGY CORPORATION	**T.D. LOGGED**	2909
WELL	COLUMBIA COUNTY 12-9 REDRILL NO.1	**T.D. DRILLER**	2914
		T.D. WELEX	2910
FIELD	MIST, NEHALEM BASIN	**ELEV: K.B.**	744.7
		D.F.	
COUNTY	COLUMBIA **STATE** OREGON	**G.L.**	734.2

REPEAT SECTION





REPEAT SECTION