CC 12-09-65 & RD1

Welex

5"=100'

DIP LOG CALCULATIONS

COMPANY REICHHHOLD ENRGY CORP.
WELL COLUMBIA COUNTY12-9
FIELD MIST NEHALEM BASIN
COUNTY COLUMBIA STATE ORE.

COMPANY REICHHOLD ENERGY CORPORA

RECEIVED-PTLD
NOV 18 1980
DEPT OF GEOLOGY
& MINER

WELL COLUMBIA COUNTY 12-9

FIELD MIST NEHALEM BASIN

COUNTY COLUMBIA **STATE** OREGON

Location 795' NORTH AND 1267' EAST FROM THE WEST QUARTER CORNER OF:

Sec. 9 Twp. 6N Rge. 5W

Other Services:

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. 734.2

Date	9-20-80			
Run No.	ONE			
Depth - Driller	2918			
Depth - Welex	2918			
Btm. Log Inter.	2906			
Top Log Inter.	404			
Casing - Driller	7 @ 405	@	@	@
Casing - Welex	404			
Bit Size	6 1/4			
Type Fluid in Hole	LIGNO SULF			
Dens. | Visc.	77 | 40	|	|	|
pH | Fluid Loss	9.0 | 5.0ml	| ml	| ml	| ml
Source of Sample	CIRCULATED			
R_m @ Meas. Temp.	2.50@ 68 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	2.60@ 66 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.80@ 66 °F	@ °F	@ °F	@ °F
Source R_{mf} R_{mc}	MEASURED	|	|	|
R_m @ BHT	1.57@ 108 °F	@ °F	@ °F	@ °F
Time Since Circ.	6HOURS			
Max. Rec. Temp.	108°F @ BHT	°F @	°F @	°F @
Equip. | Location	2876 | WDLND	|	|	|
Recorded By	L. BOGDEN			
Witnessed By	FRY			

Fold Here

Service Ticket No. 055215 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	1.57 @108 °F	@ °F
R_{mf} @ BHT	1.58 @108 °F	@ °F
R_{mc} @ BHT	1.10 @108 °F	@ °F

Run No.	1	2	3	4
Tool Type	DIP			
Tool Number	90728			
Pad Type				
Correlated By				
Computed By				

Remarks:

MANDRILL NO. 24672
trans. no. 26326

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 21.5° 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.

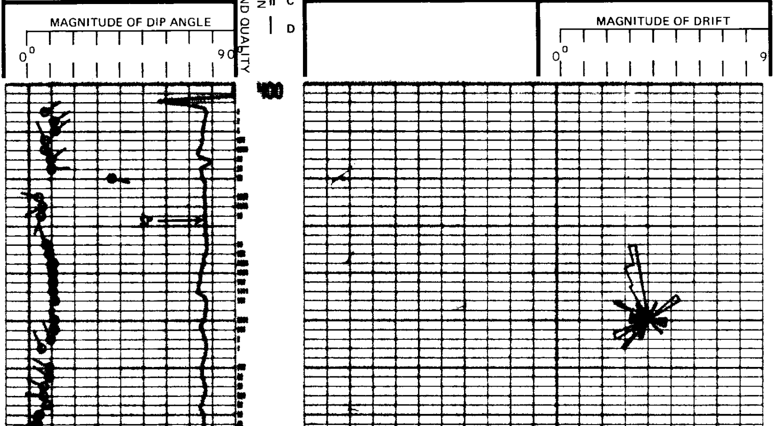
Example: Dip angle 10°, Horizontal distance 440 ft.
Vertical difference = .176 x 440 = 77.44

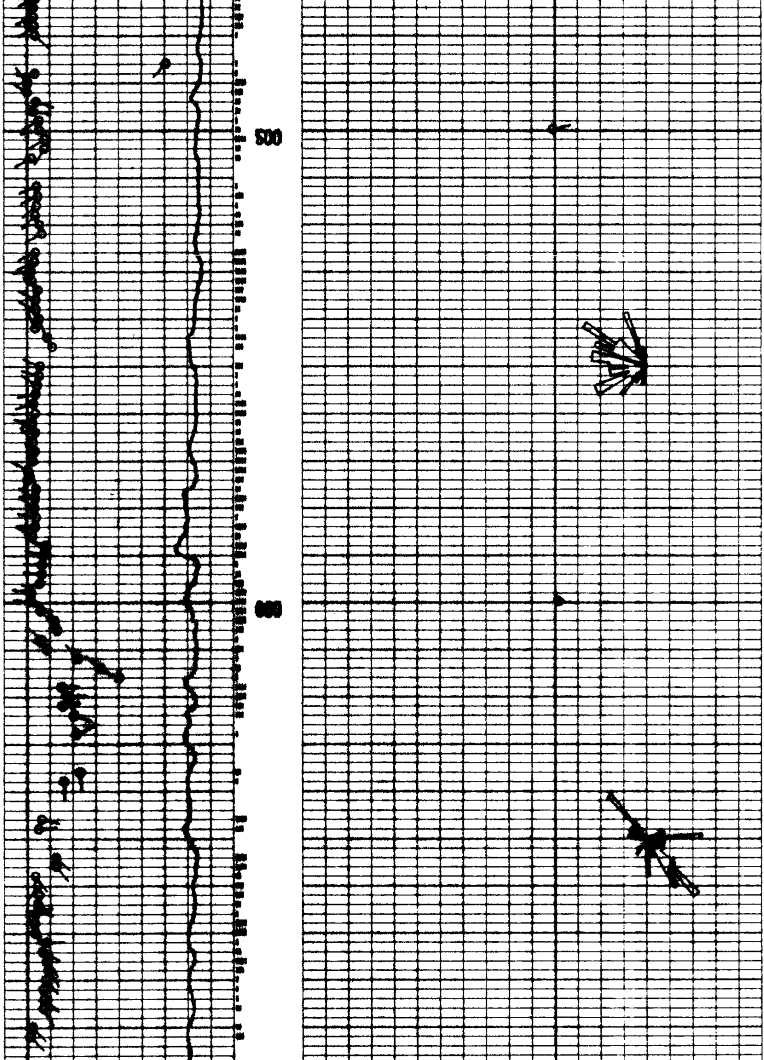
GRAPHIC PRESENTATION

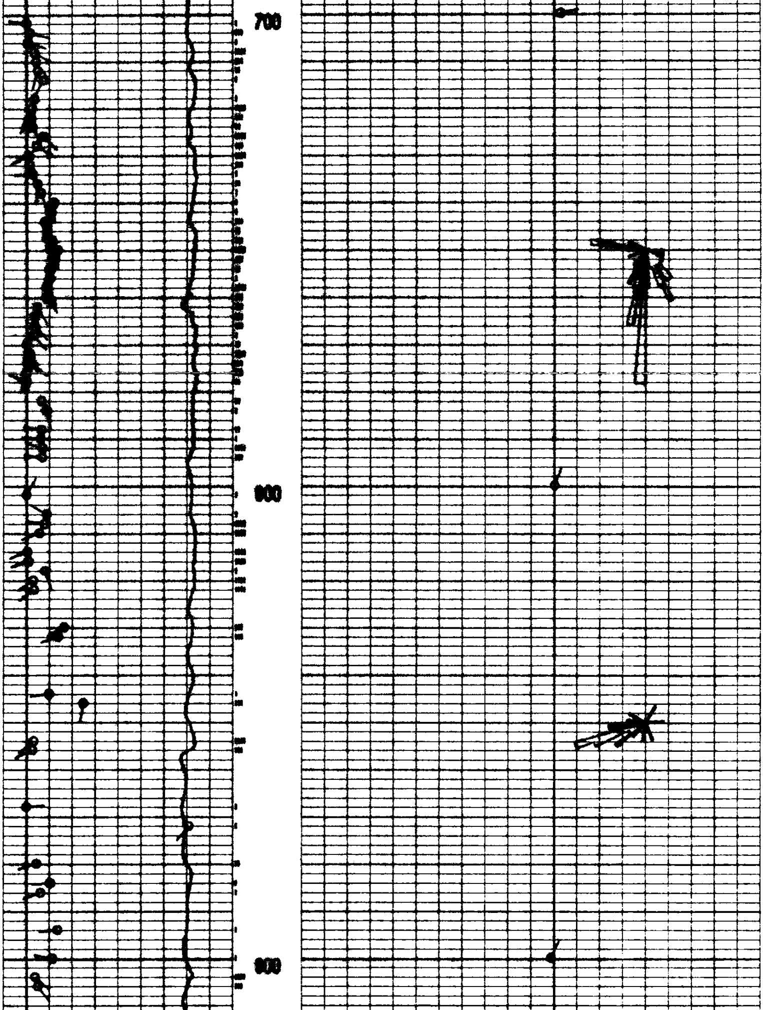
TRUE DIP ANGLE AND AZIMUTH

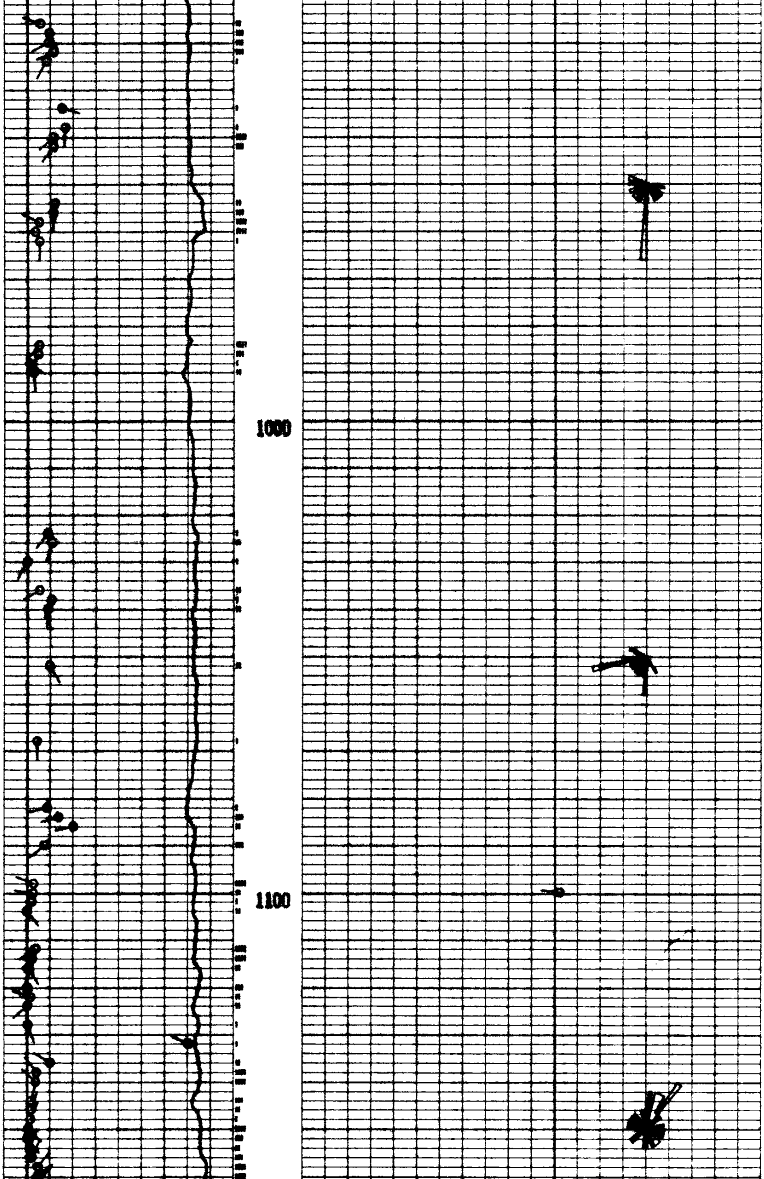
CORRELATION INTERVAL AND QUALITY

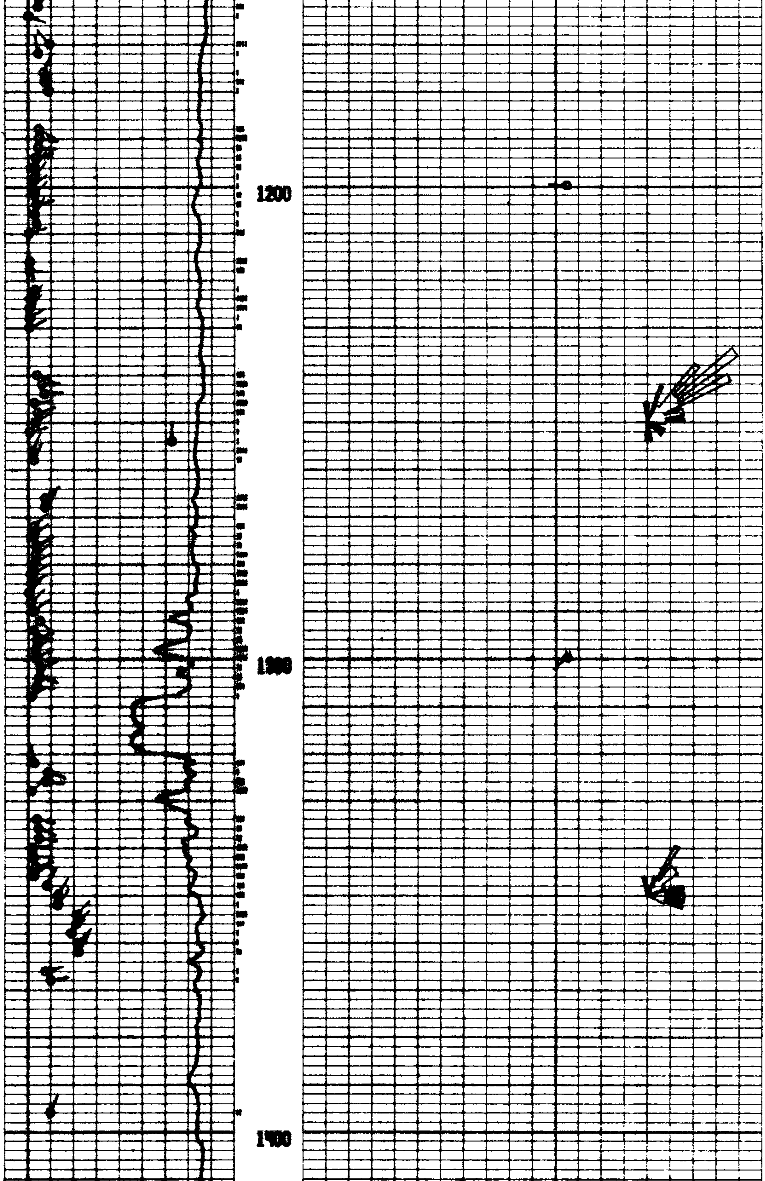
DRIFT AND ORIENTATION OF TOOL

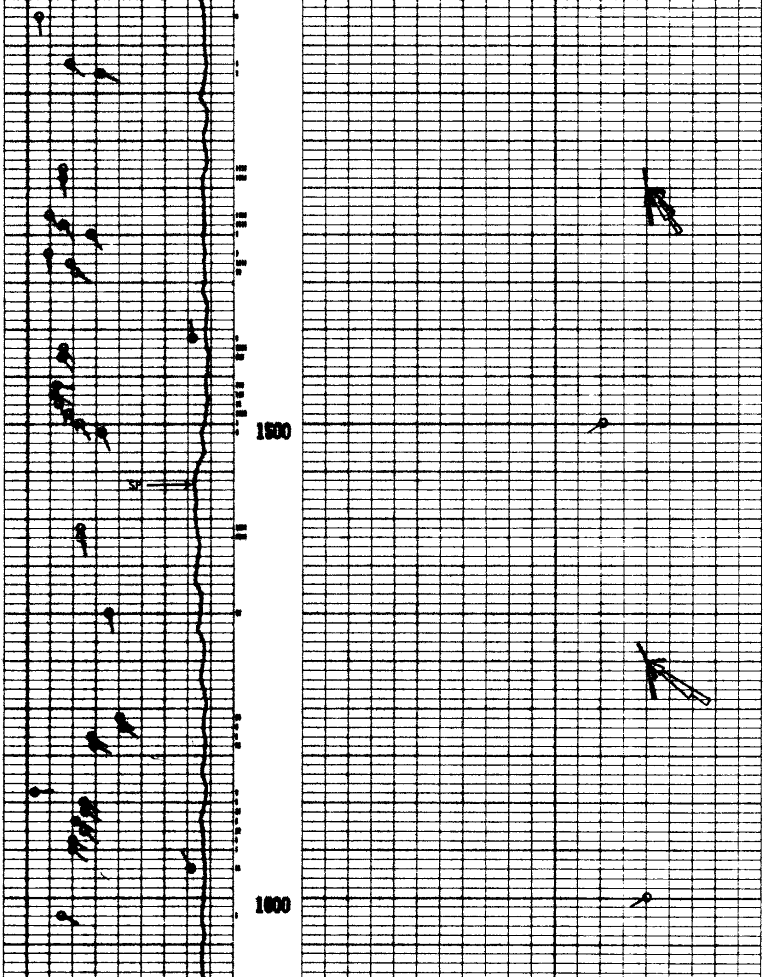


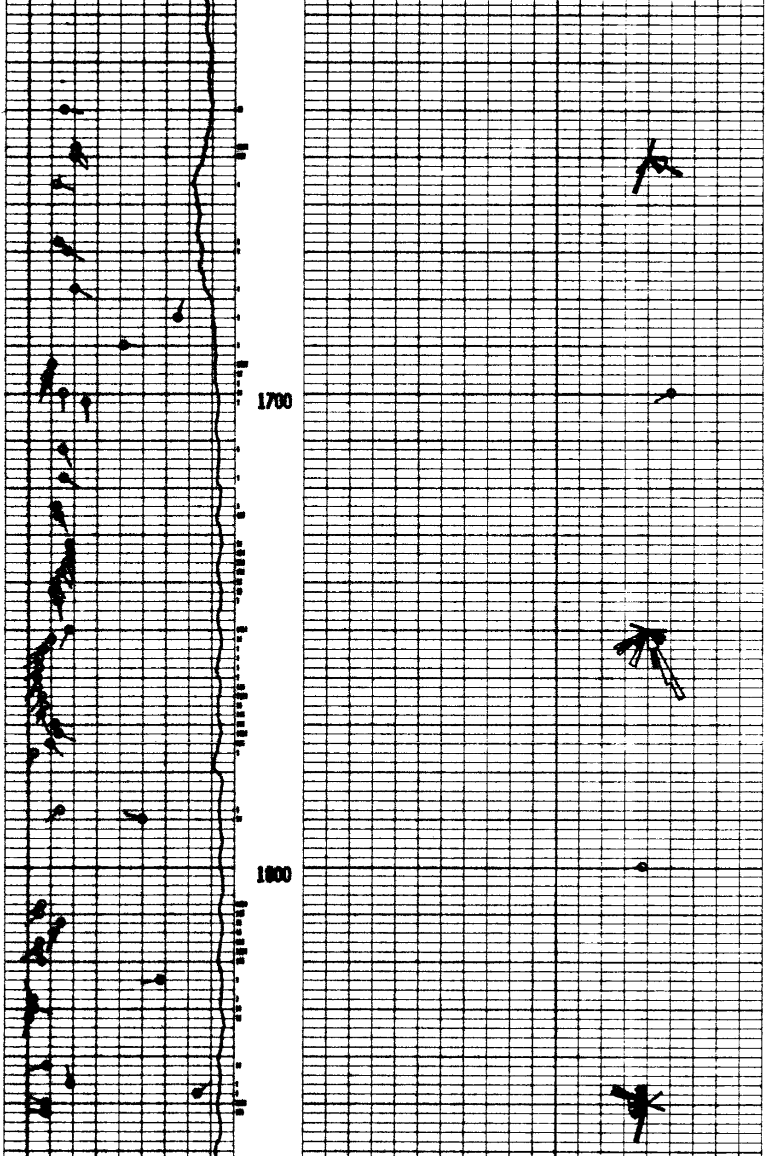


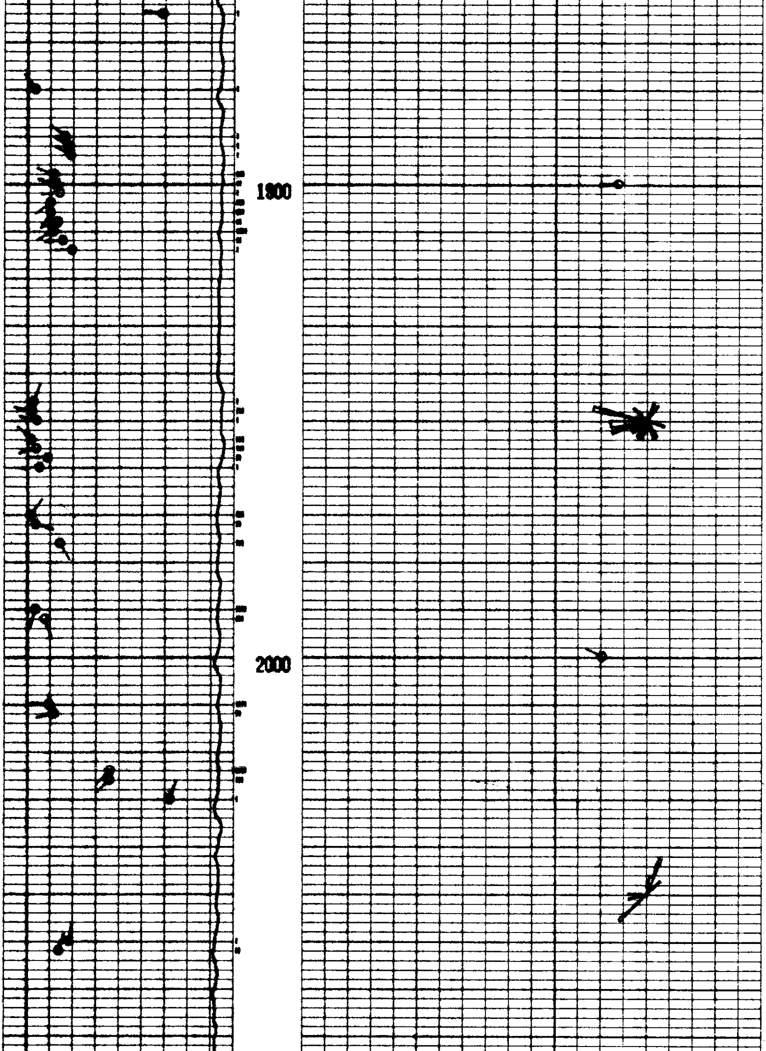


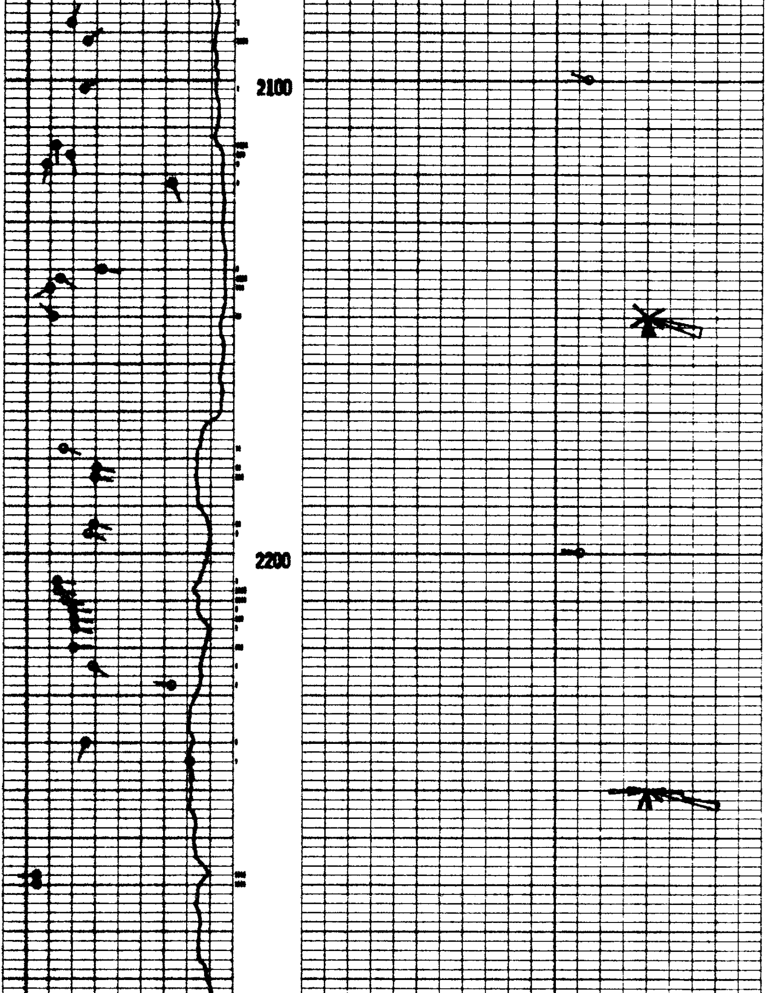


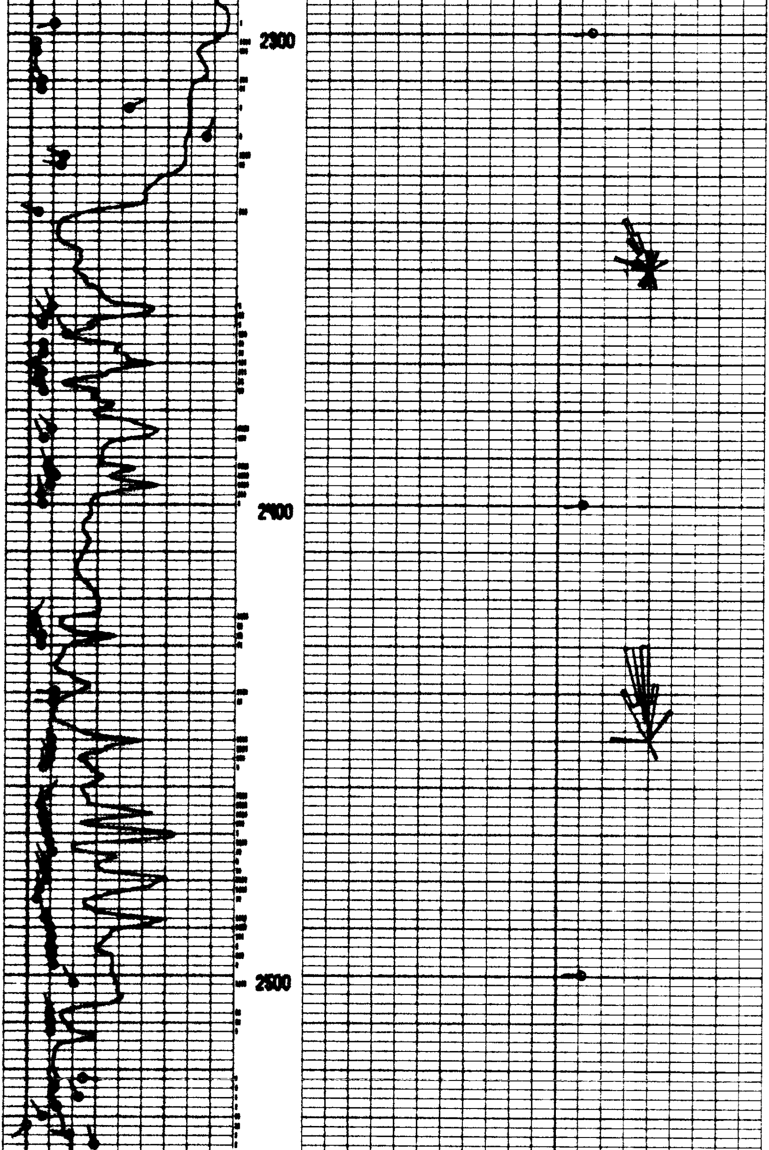


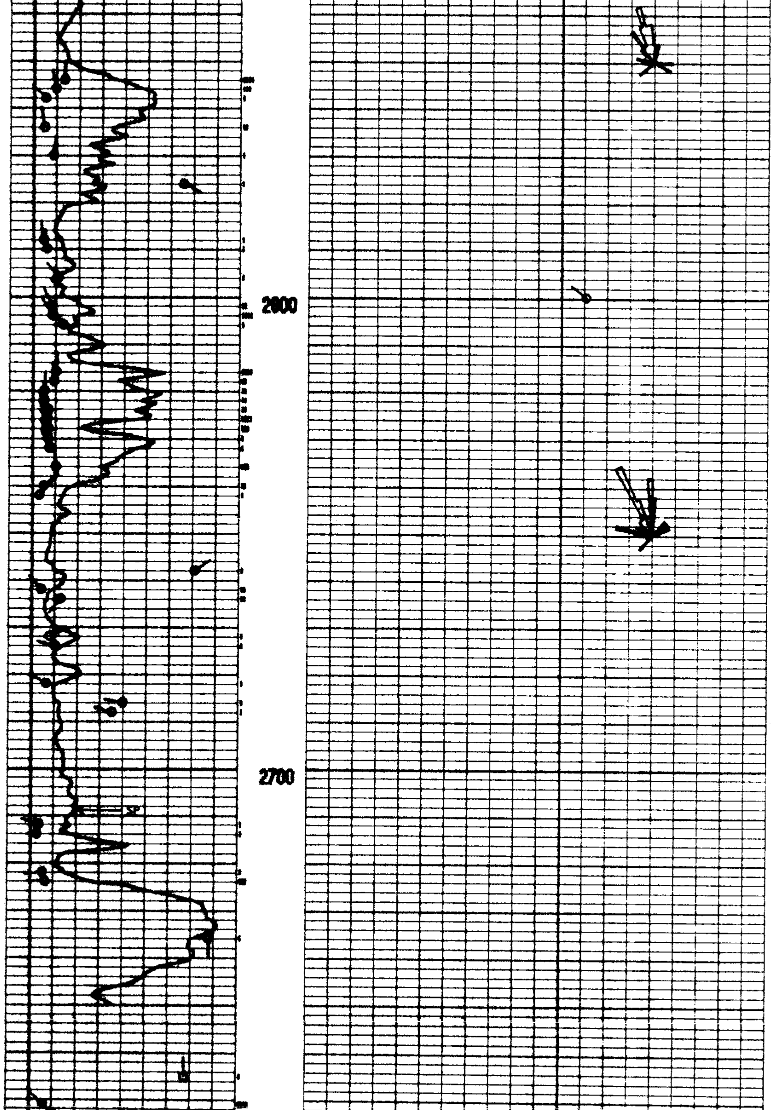


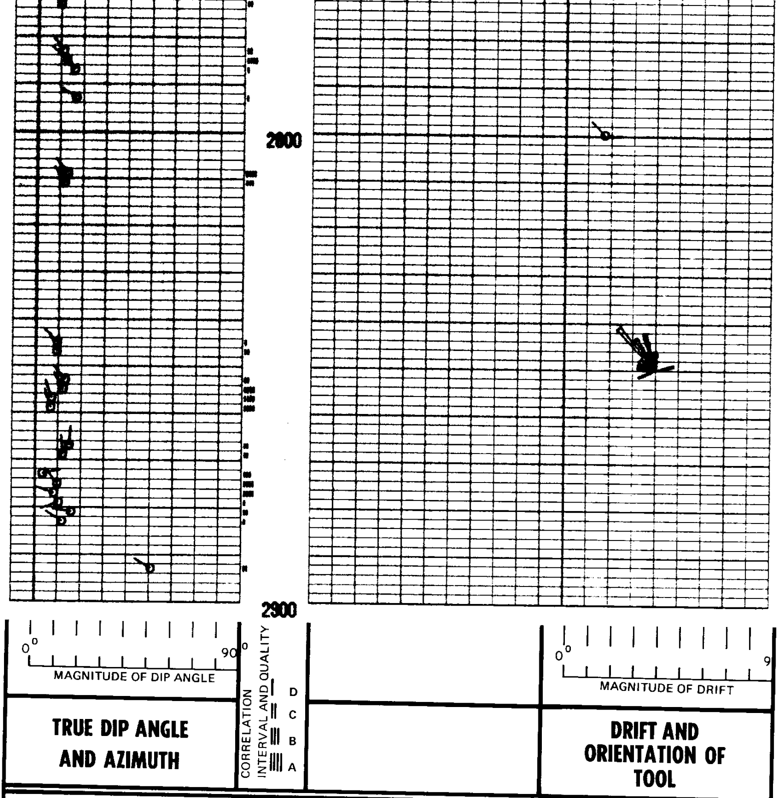












REICHHOLD ENERGY CORPORATION
COLUMBIA COUNTY 12-9
MIST NEHALEM BASIN
COLUMBIA COUNTY, OREGON

T.D. LOGGED 2906
T.D. DRILLER 2918
T.D. WELEX 2918

ELEV. G.L. 734.2 K.B. 744.7