COMPANY REICHHOLD ENERGY CORP.
WELL HAMMERBERG NO. 1 R/D NO. 1
FIELD NEHALEM BASIN
COUNTY COLUMBIA STATE OREG.

Welex

5"=100'

DIP LOG CALCULATIONS

COMPANY REICHHOLD ENERGY CORPORATION

WELL HAMMERBERG NO. 1 REDRILL NO. 1

FIELD NEHALEM BASIN

COUNTY COLUMBIA STATE OREGON

Location 209' NORTH & 612' WEST OF THE EAST QUARTER CORNER OF:

Other Services:
C/AVL
IEL

Sec. 14 Twp. 6N Rge. 5W

Permanent Datum GL Elev. 553.6
Log Measured From KB OR 10.5 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 564.1
D.F. -
G.L. 553.6

Date	9-20-79		
Run No.	ONE		
Depth - Driller	3318		
Depth - Welex	3318		
Btm. Log Inter.	3317		
Top Log Inter.	460		
Casing - Driller	7 @ 398	@	@
Casing - Welex	400		
Bit Size	6 1/4		
Type Fluid in Hole	LIGNO SULF		
Dens. | Visc.	78 | 40	|	|
pH | Fluid Loss	9.0 | N/A ml	| ml	| ml
Source of Sample	PIT		
R_m @ Meas. Temp.	2.48 @ 80 °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	2.24 @ 76 °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	3.00 @ 76 °F	@ °F	@ °F
Source R_{mf} R_{mc}	MEASURED	|	|
R_m @ BHT	1.69 @ 117 °F	@ °F	@ °F
Time Since Circ.	7 HOURS		
Max. Rec. Temp.	117 °F @ BHT	°F @	°F @
Equip. | Location	9430 | WDLND	|	|
Recorded By	KENNEDY		
Witnessed By	FRY, McBURNIE, CLARE		

Fold Here

Service Ticket No. 048897 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	1.69 @ 117 °F	@ °F
R_{mf} @ BHT	1.45 @ 117 °F	@ °F
R_{mc} @ BHT	1.94 @ 117 °F	@ °F

Run No.	1	2	3	4
Tool Type	DIP			
Tool Number	13364			
Pad Type				
Correlated By				
Computed By				

TRANS. NO. 20705 MAND. NO. 12613

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

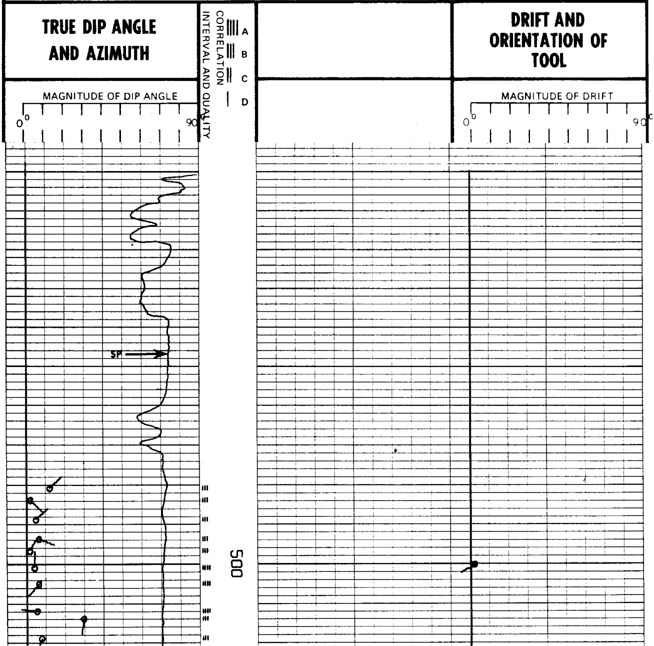
TABLE OF CONSTANTS FOR DETERMINING VERTICAL DIFFERENCE AT VARIOUS DIP ANGLES

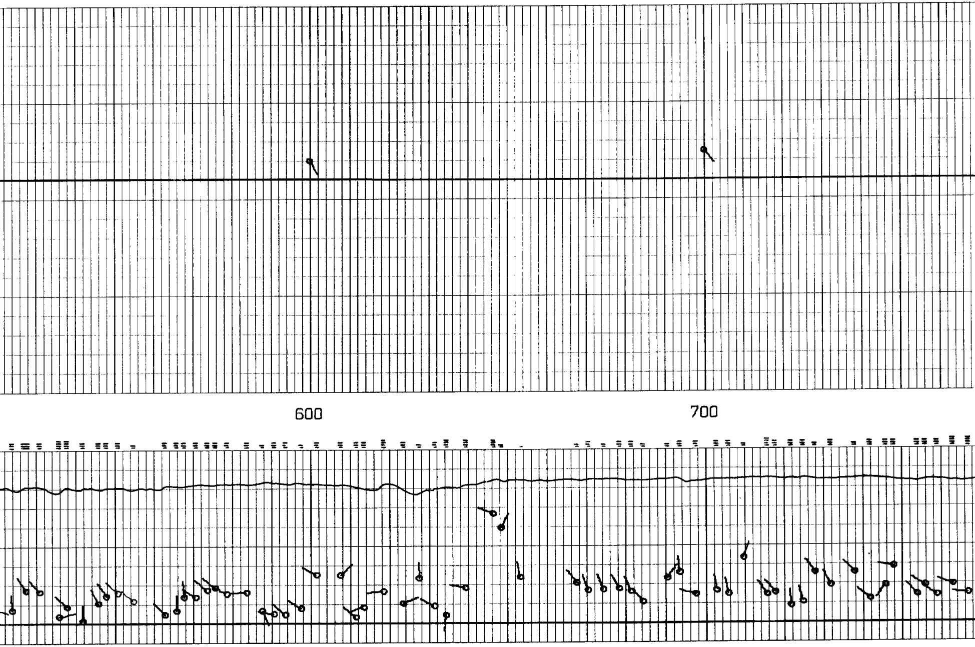
DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT
1	.0175	11	194	21	.384	35	700
2	.035	12	.213	22	.404	40	839
3	.052	13	.231	23	.425	45	1.000
4	.070	14	.249	24	.445	50	1.192
5	.088	15	.268	25	466	55	1.428
6	.105	16	.287	26	.487	60	1.732
7	.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	30	.577	80	5.671

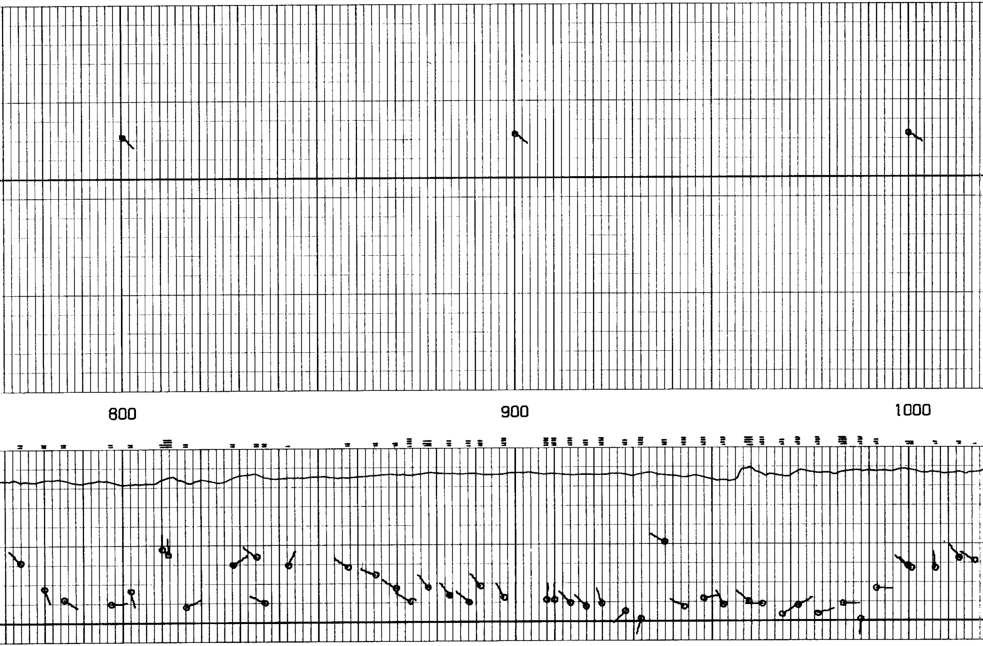
Vertical difference in feet is obtained by multiplying the constant for any given dip angle by the horizontal distance in feet.

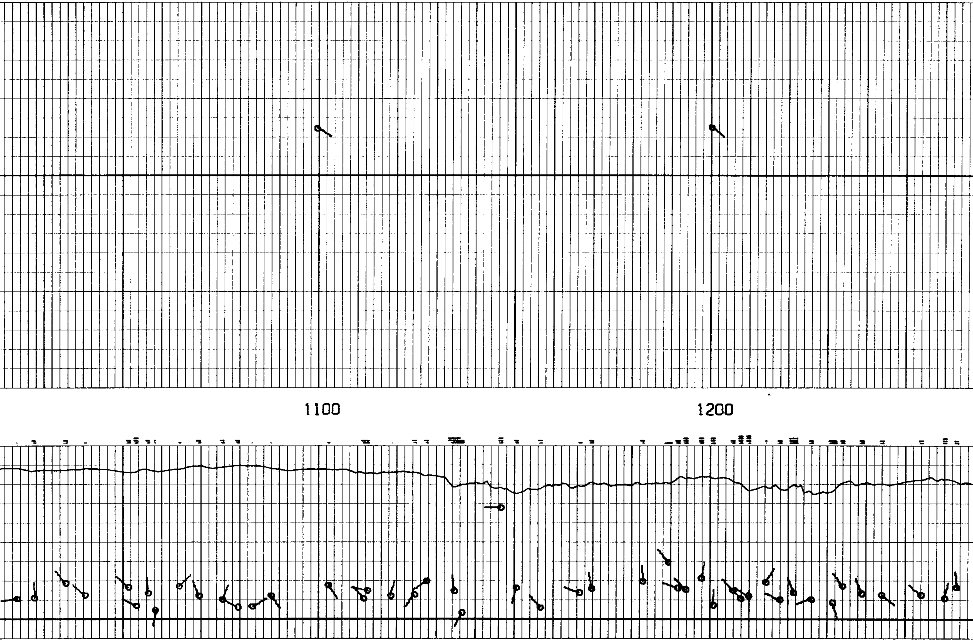
Example: Dip angle 10°, Horizontal distance 440 ft.
Vertical difference = .176 x 440 = 77.44

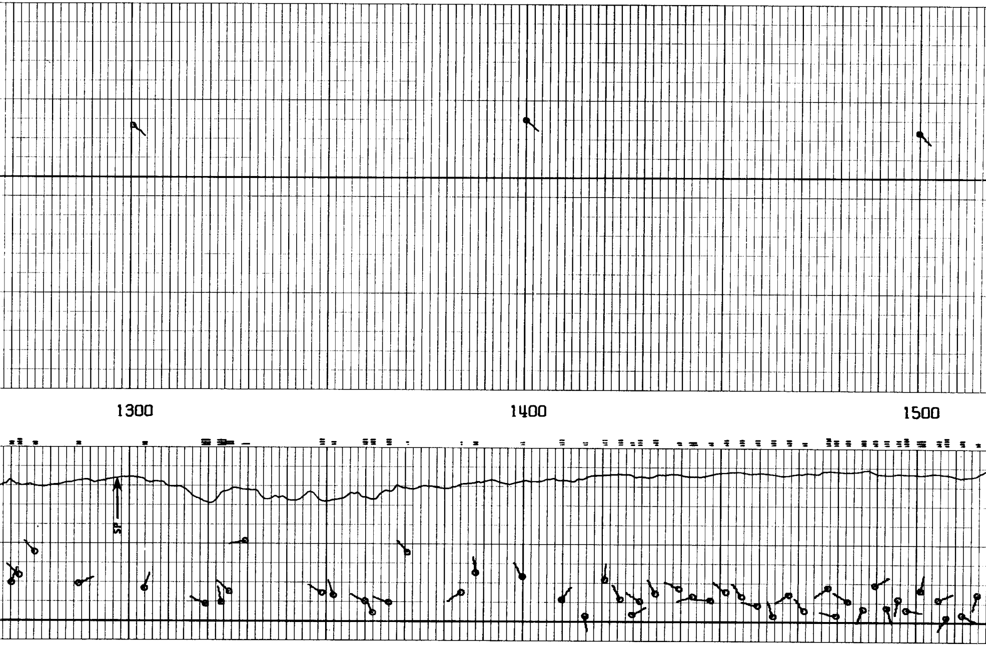
GRAPHIC PRESENTATION

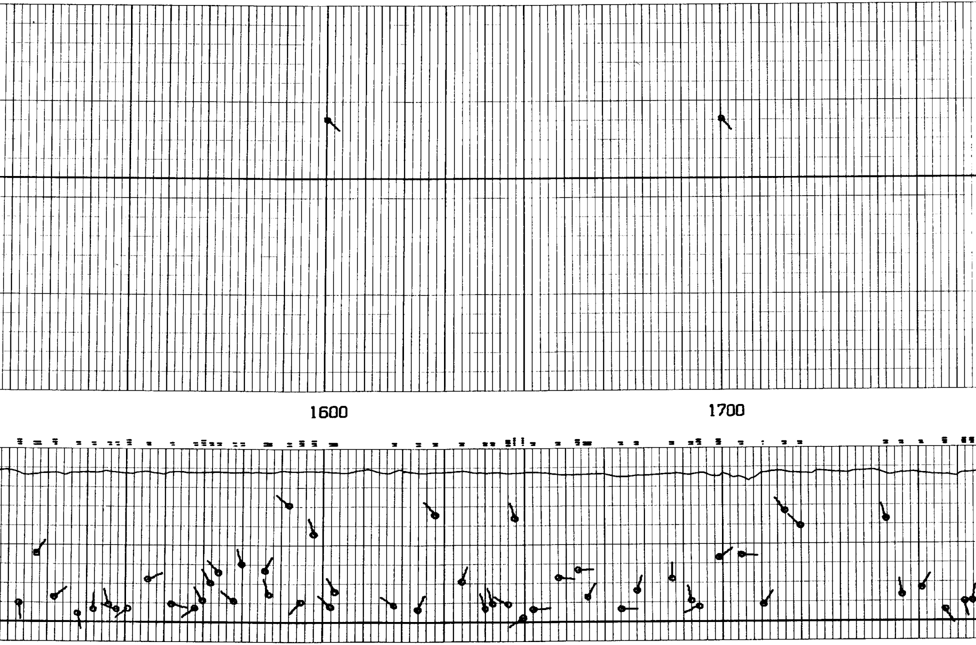


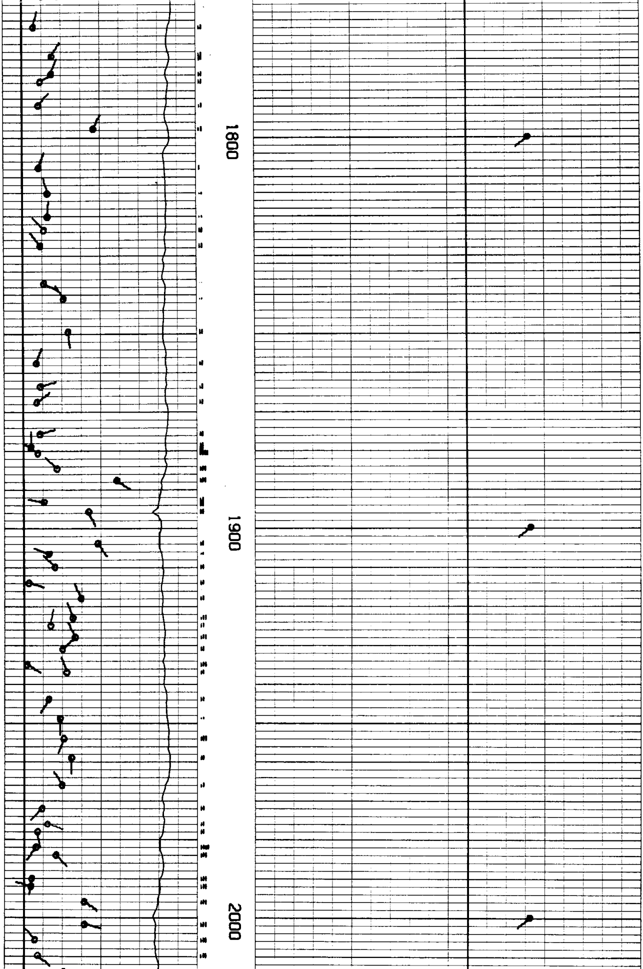


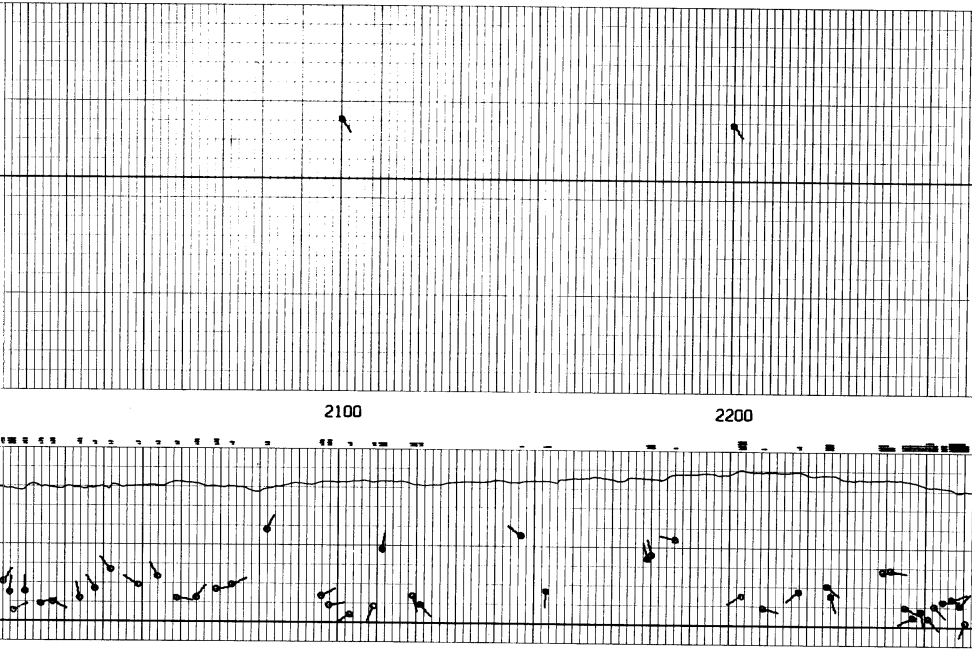


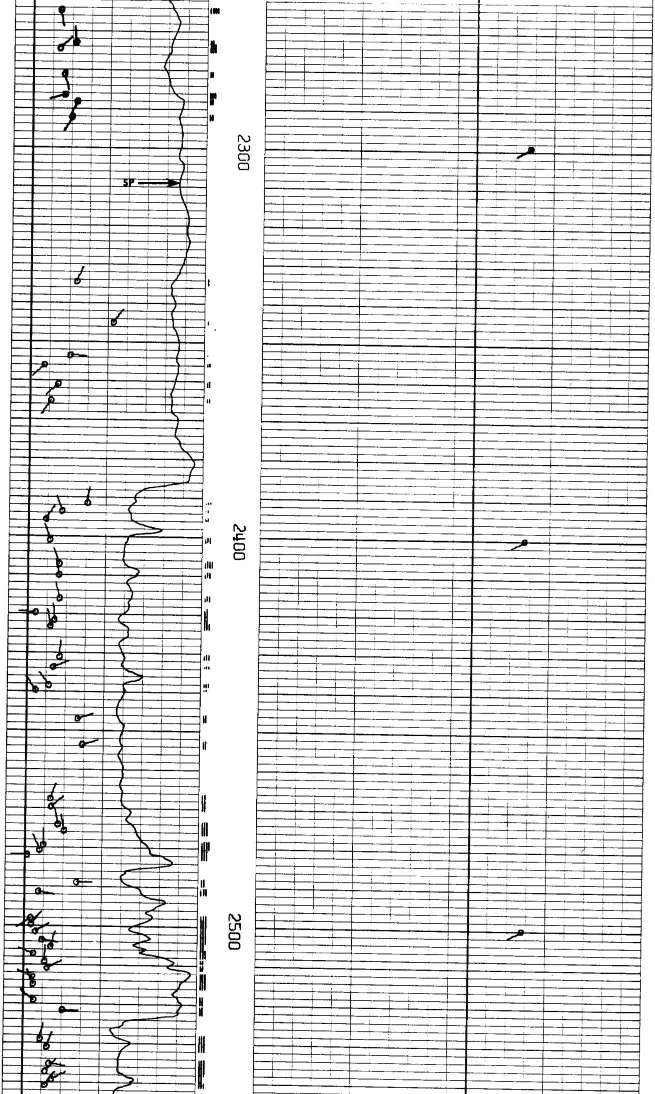


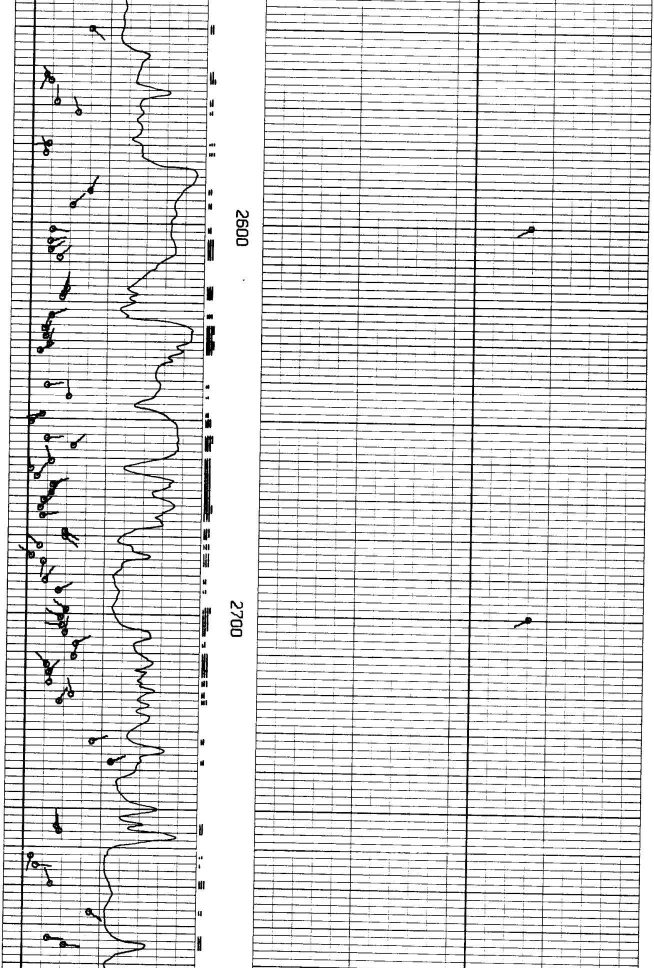


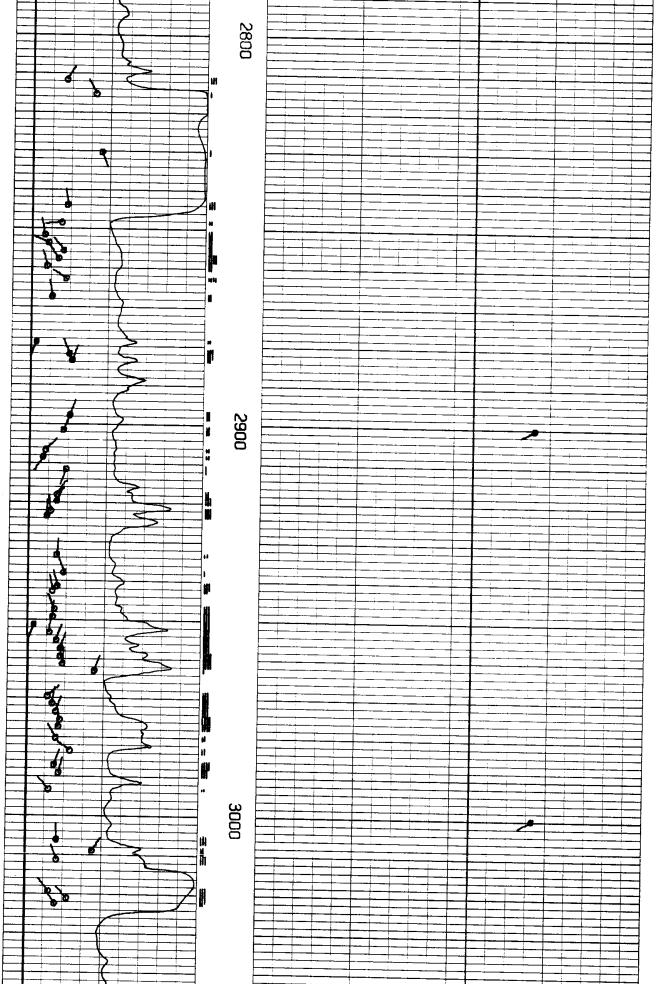


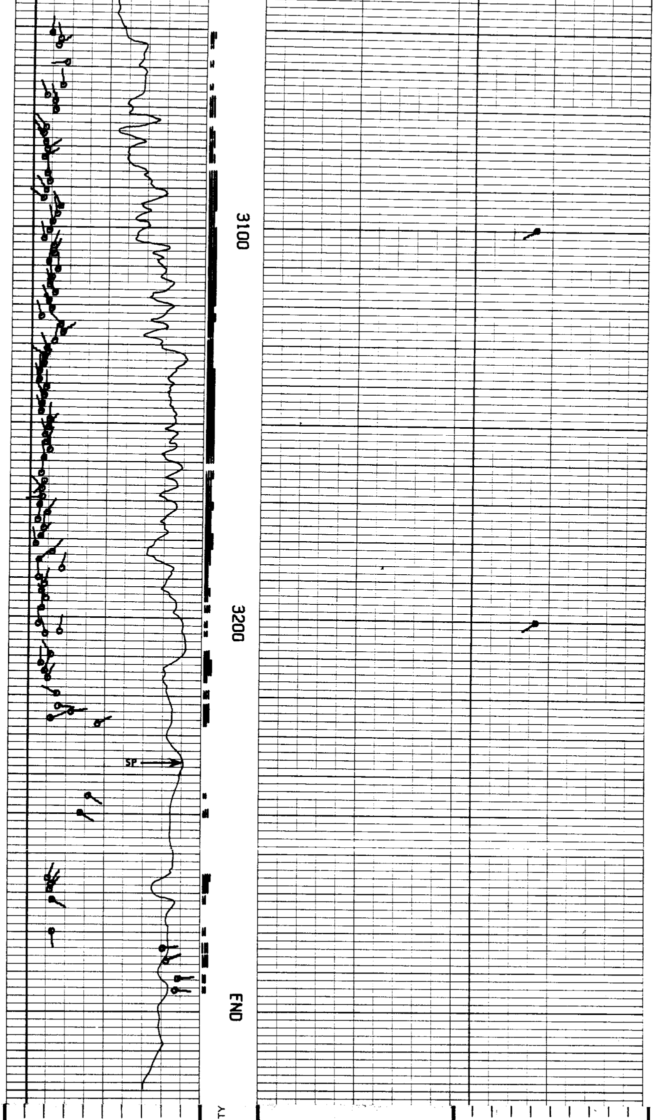












0° 90°

MAGNITUDE OF DIP ANGLE

TRUE DIP ANGLE AND AZIMUTH

CORRELATION INTERVAL AND QUALI

| D

|| C

||| B

|||| A

0° 90°

MAGNITUDE OF DRIFT

DRIFT AND ORIENTATION OF TOOL

REICHHOLD ENERGY CORPORATION
HAMMERBERG NO. 1 REDRILL NO. 1
NEHALEM BASIN
COLUMBIA COUNTY, CALIFORNIA

T.D. LOGGED	3317
T.D. DRILLER	3318
T.D. WELEX	3318

ELEV: KB 564.1 GL 553.6