AUG 20 1980

Schlumberger

FOUR — ARM
HIGH RESOLUTION
CONTINUOUS DIPMETER
(COMPUTED)

COUNTY COLUMBIA
FIELD or LOCATION 34-7N-5W
WELL REICHHOLD ADAM NO. 24-34
COMPANY REICHHOLD ENERGY

COMPANY REICHHOLD ENERGY CORPORATION

SCANNED

WELL REICHHOLD ADAM NO. 24-34
FIELD MIST NEHALEM BASIN
COUNTY COLUMBIA STATE OREGON

LOCATION: 634'NORTH & 382'WEST FROM THE SOUTHEAST CORNER OF:
Sec. 34 Twp. 7N Rge. 5W

Other Services:
DI-SFL
BHC

Permanent Datum: GL, Elev. 1128.94
Log Measured From KB 10.5 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 1139.44
D.F. --
G.L. 1128.94

Date	7-2-80			
Run No.	ONE			
Depth—Driller	3377			
Depth—Logger	3373			
Btm. Log Interval	3372			
Top Log Interval	525			
Casing—Driller	7" @ 525	@	@	@
Casing—Logger	525			
Bit Size	6¼"			
Type Fluid in Hole	LIGNOSULFONATE			
Dens. | Visc.	77 | 45			
pH | Fluid Loss	10.5 | 6.0ml	ml	ml	ml
Source of Sample	CIRCULATION			
R_m @ Meas. Temp.	2.31 @ 74°F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	2.90 @ 55°F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	2.90 @ 62°F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	M | M			
R_m @ BHT	1.80 @ 95°F	@ °F	@ °F	@ °F
Time Since Circ.	12 HOURS			
Max. Rec. Temp.	95°F	°F	°F	°F
Equip. | Location	8128 | SAC			
Recorded By	LANGFORD			
Witnessed By	BRUER			

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

Changes 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	@ °F	@ °F
R_{mf} @ BHT	@ °F	@ °F
R_{mc} @ BHT	@ °F	@ °F

Run No.	1	2	3	4
Tool Type	HDT-E			
HDM No.	717			
Magnetic Declination	20°			
Analog Panel No.	--			
Digital Panel No.	962			
Correlated By	--			
Computed By	PCDCC			
Plotted By	PCDCC			
Remarks —	SERVICE ORDER NO.123899			

"Any directional computations made from the dipmeter log must be regarded as approximate only. This is because the dipmeter log indicates the orientation of the instrument itself, rather than the direction and amount of the wall drift. Therefore, we do not and cannot guarantee the accuracy of such directional computations, and we shall not, except in the case of willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained that may result from any such computations."

TABLE OF VERTICAL DISPLACEMENT IN FEET CORRESPONDING TO

VARIOUS HORIZONTAL DISTANCES AND ANGLES OF DIP

DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF 100'	1000'	1 mile (5280')	DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF 100'	1000'	1 mile (5280')
1	1.75	17.5	92.2	19	34.4	344.	1818.
2	3.5	35.	184.	20	36.4	364.	1922.
3	5.2	52.	277.	21	38.4	384.	2027.
4	7.0	70.	369.	22	40.4	404.	2133.
5	8.8	88.	462.	23	42.5	425.	2241.
6	10.5	105.	555.	24	44.5	445.	2351.
7	12.3	123.	648.	25	46.6	466.	2462.
8	14.1	141.	742.	30	57.7	577.	3048.
9	15.8	158.	836.	35	70.0	700.	3697.
10	17.6	176.	931.	40	83.9	839.	4430.
11	19.4	194.	1026.	45	100.0	1000.	5280.
12	21.3	213.	1122.	50	119.2	1192.	6293.
13	23.1	231.	1219.	55	142.8	1428.	7540.
14	24.9	249.	1316.	60	173.2	1732.	9145.
15	26.8	268.	1415.	65	214.4	2144.	11323.
16	28.7	287.	1514.	70	274.8	2748.	14507.
17	30.6	306.	1614.	75	373.2	3732.	19705.
18	32.5	325.	1716.	80	567.1	5671.	29945.

To obtain vertical displacements corresponding to multiples of hundreds feet, thousands of feet or miles, multiply the number found in the table by the number of hundreds, thousands or miles.

Example: The formation dip is 16 degrees. The vertical displacement occurring at a spot 660 feet away from the well is desired. The table shows 28.7 feet per 100 feet for 16° dip. Therefore 28.7 x 6.60 = 189.42, or 189. feet.

N

GRAPHIC PRESENTATION

CORRELATION CURVE	DEPTHS	TRUE DIP ANGLE AND DIRECTION	DRIFT & DIRECTION OF SONDE
		0° 10° 20° 30° 40° 50° 60° 70° 80° 90°	0° 10°

REICHOLD ENERGY CORP.
REICHOLD ADAM #24-34
MIST-NEHALEM BASIN FIELD
COLUMBIA COUNTY, OREGON
RUN NO. ONE 2-JUL-80
P.C.D.C.
ARROW PLOT FROM CLUSTER PROGRAM

CORRELATION LENGTH 4 FT.
STEP LENGTH 2 FT.
SEARCH ANGLE 70 DEGREES X1
HDT-G CSU PDP/11

JOB 4503.00

8[illegible]12899

FOOT DUO-DECIMAL .500 IN. GRID

SCHLUMBERGER

DIPMETER ARROW PLOT

CORRELATION CURVE

DEPTHS

DIP ANGLE AND DIRECTION

BOREHOLE DRIFT

0 10 20 30 40 50 60 70 80 90

0 10

POOLED ARROW PLOT

2 LEVELS POOLED WHEN WITHIN

3.5 DEGREES SOLID ANGLE

BLACK ARROWS ARE POOLED RESULTS

CORRELATION LENGTH 4 FT.

STEP LENGTH 2 FT.

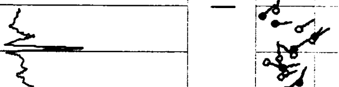
SEARCH ANGLE 70 DEGREES X1

PC0130023518307001020420

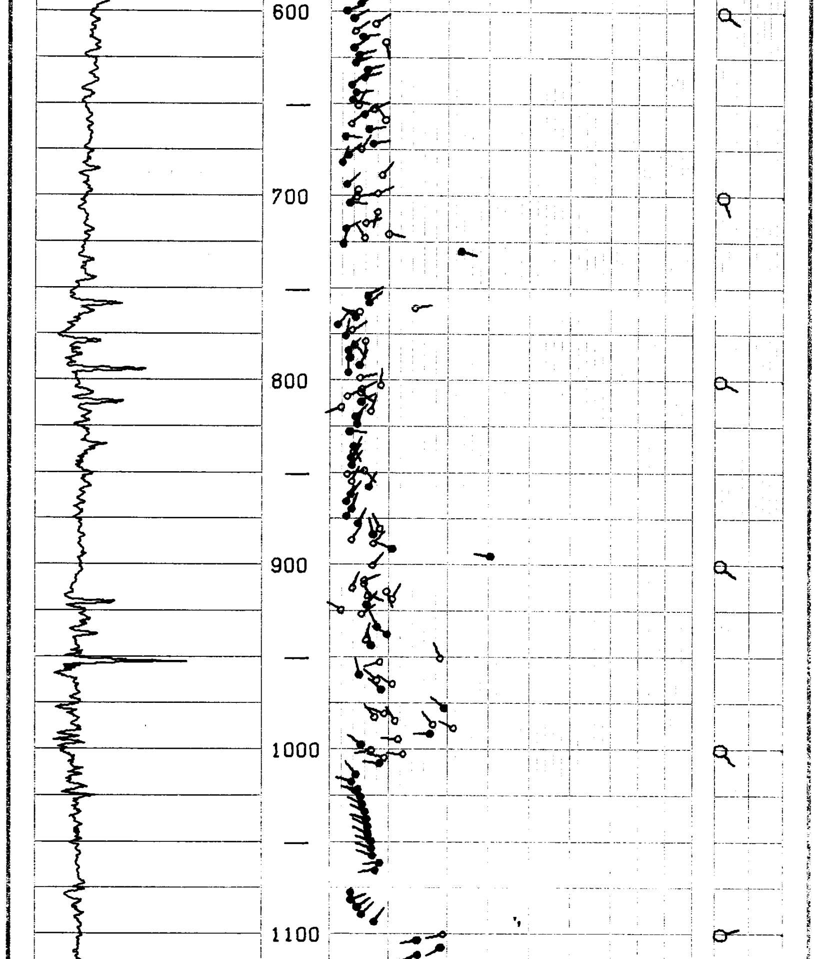
ZONE FROM 552 TO 3334

RESISTIVITY INCREASES →

0 10



SCHLUMBERGER DIPMETER ARROW PLOT



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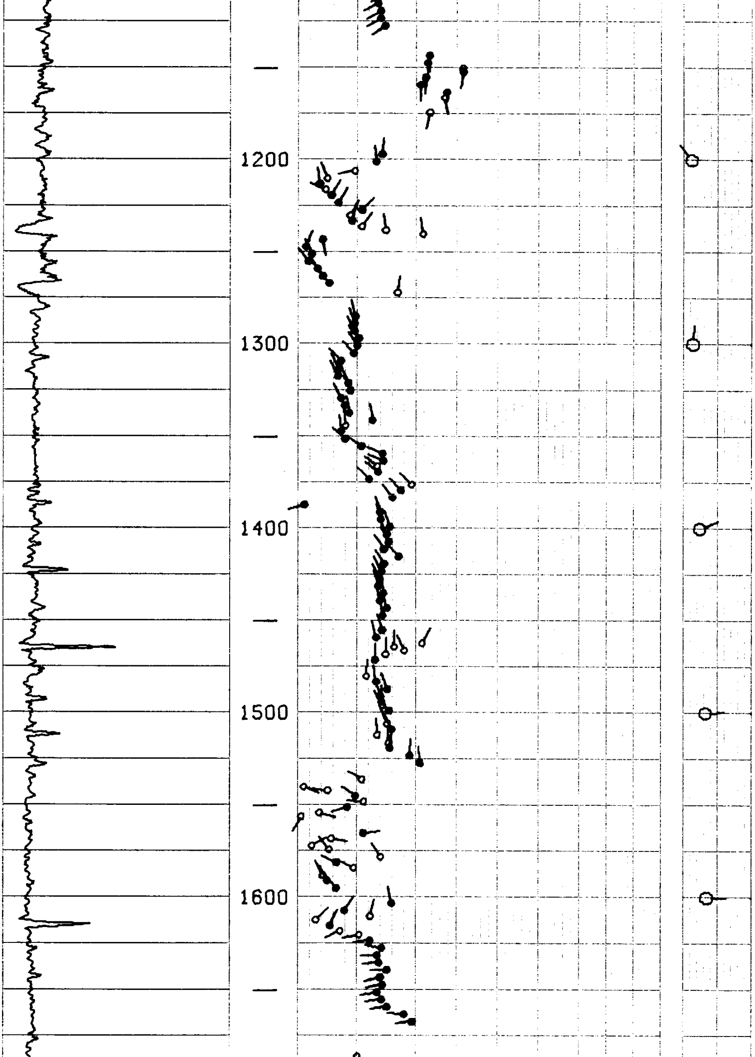

SCHLUMBERGER

DIPMETER ARROW PLOT

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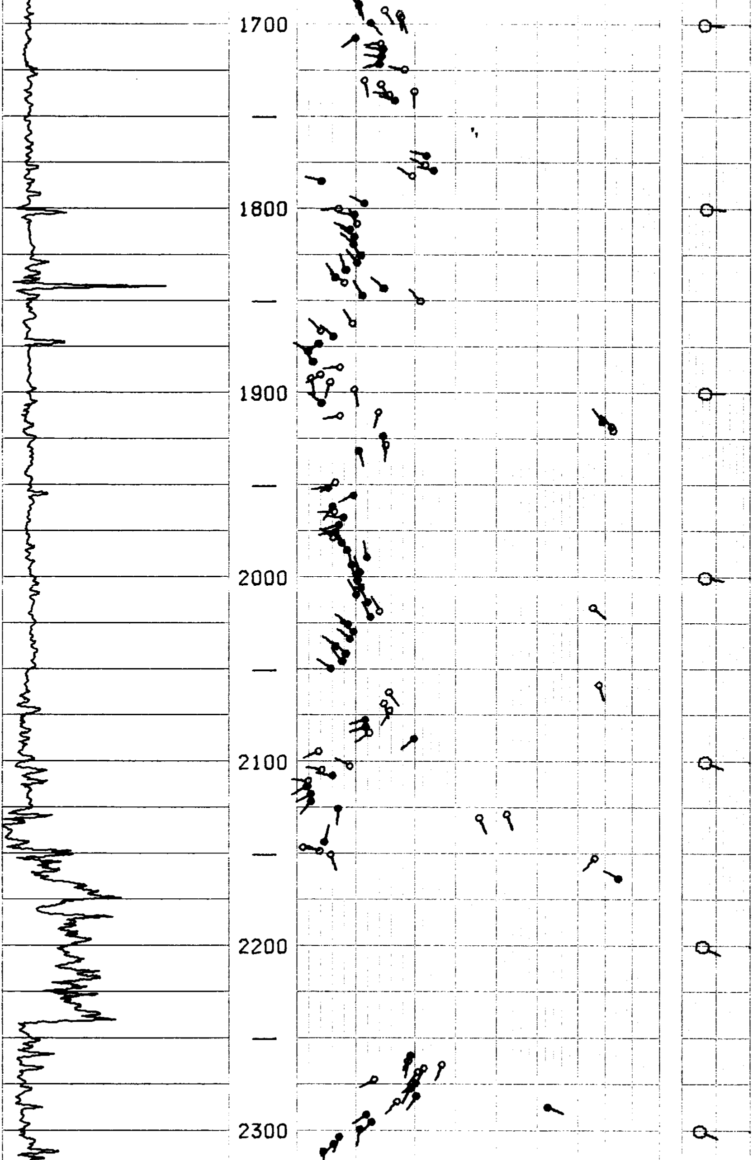

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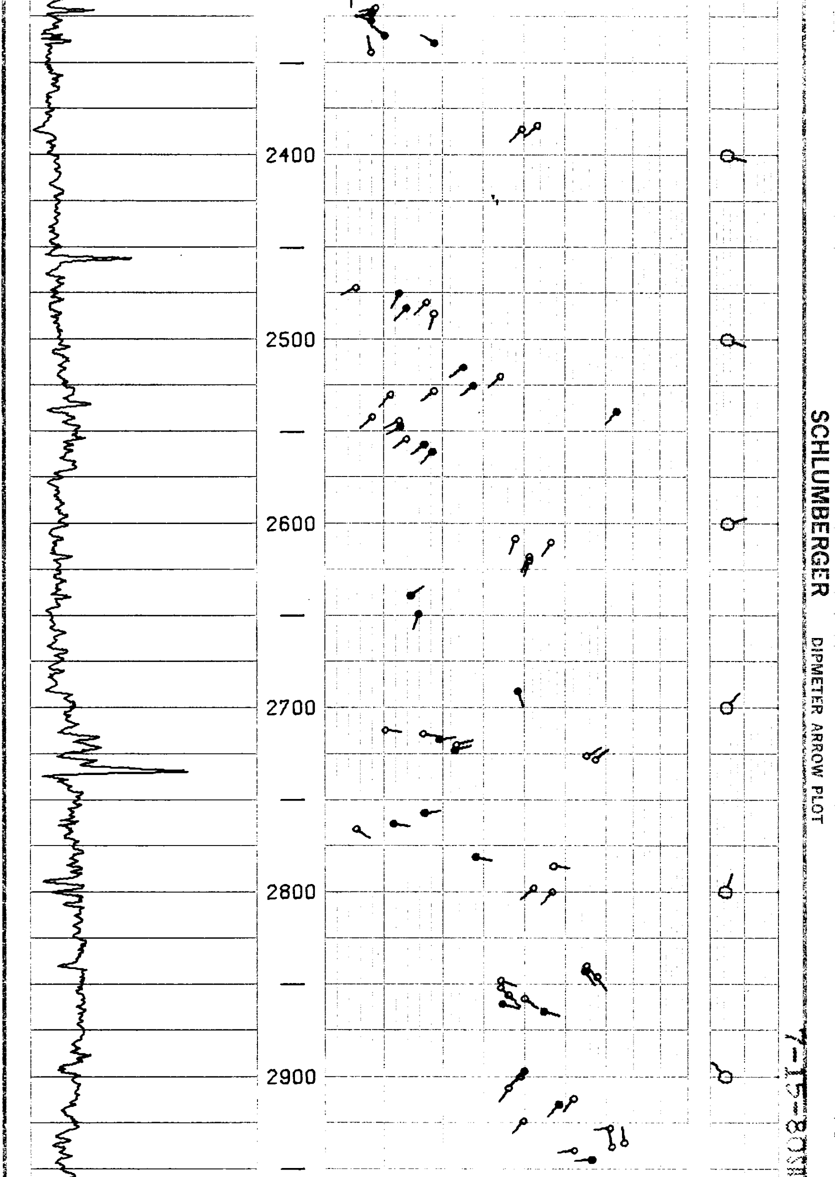
DIPMETER ARROW PLOT



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DIPMETER ARROW PLOT

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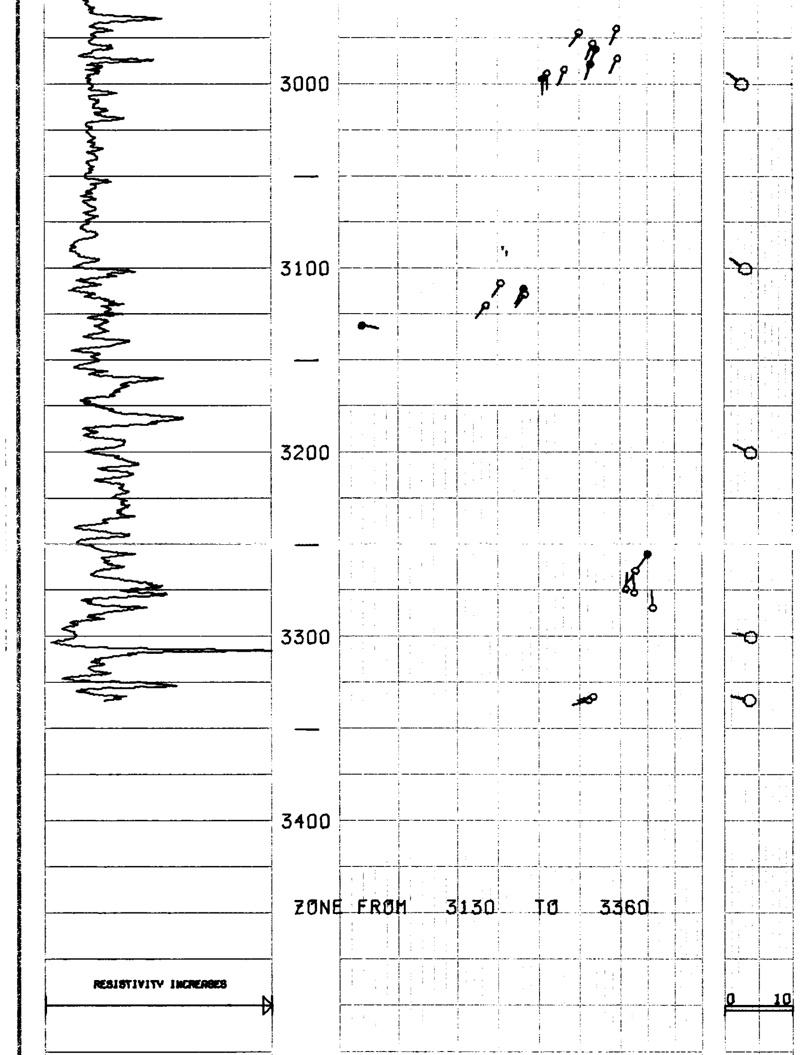
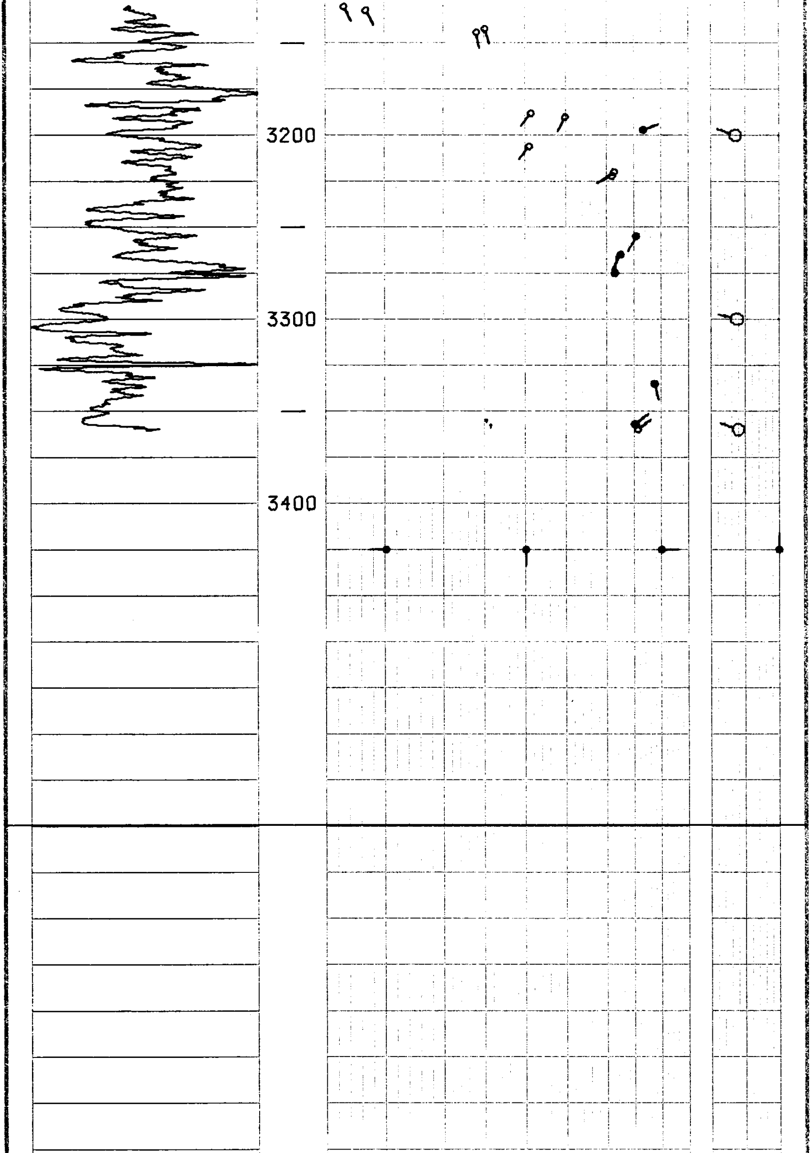




SCHLUMBERGER

DIPMETER ARROW PLOT

JOB 4503.00

CORRELATION CURVE DEPTHS DIP ANGLE AND DIRECTION BOREHOLE DRIFT

0 10 20 30 40 50 60 70 80 90 0 10

ALL QUALITY ARROW PLOT 4503

FROM THE CLUSTER PROGRAM

BLACK ARROWS ARE HIGHEST QUALITY

CORRELATION LENGTH 4 FT.

STEP LENGTH 2 FT.

SEARCH ANGLE 70 DEGREES X1

PC0130023518307001020420

ZONE FROM 544 TO 3366

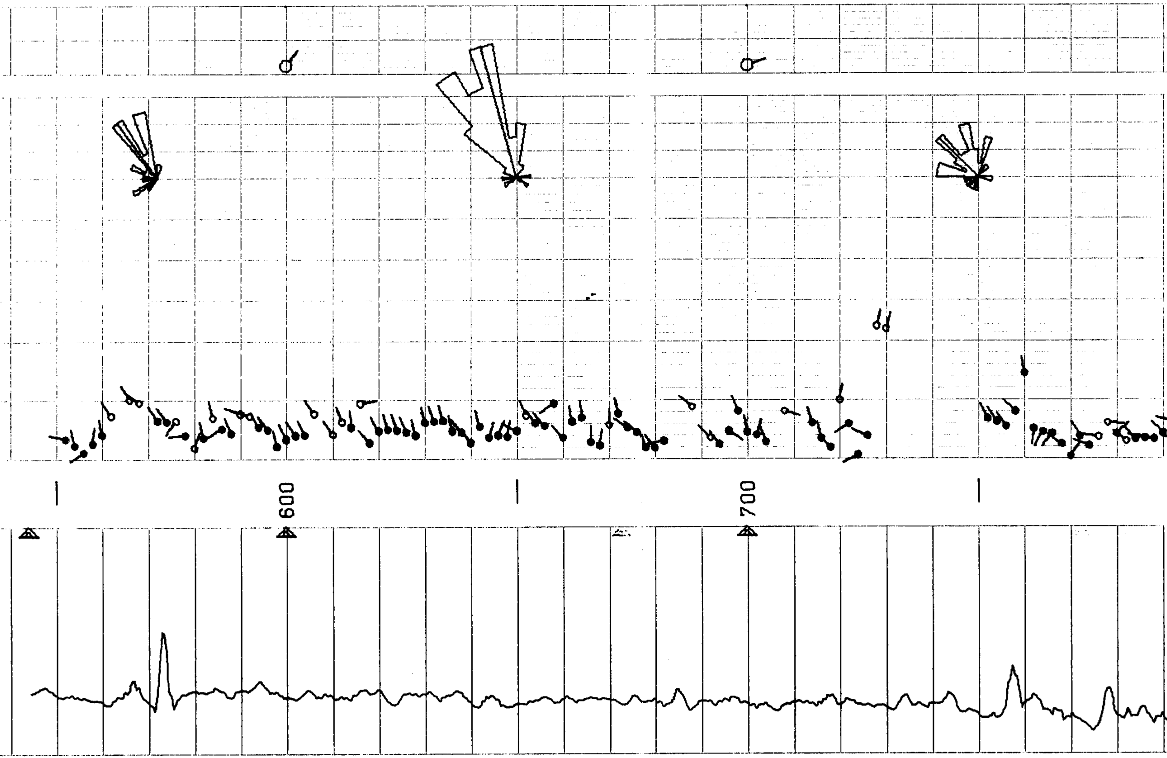
RESISTIVITY INCREASES

0 10

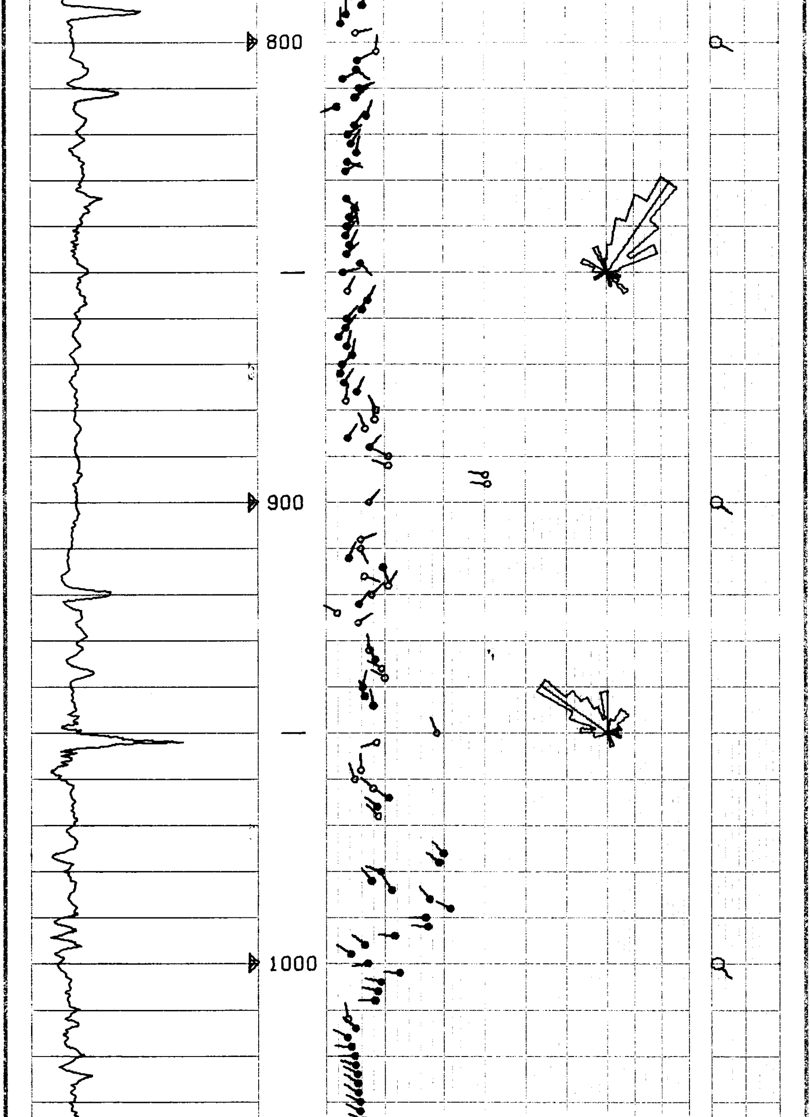
SCHLUMBERGER

DIPMETER ARROW PLOT

SCHLUMBERGER DIPMETER ARROW PLOT

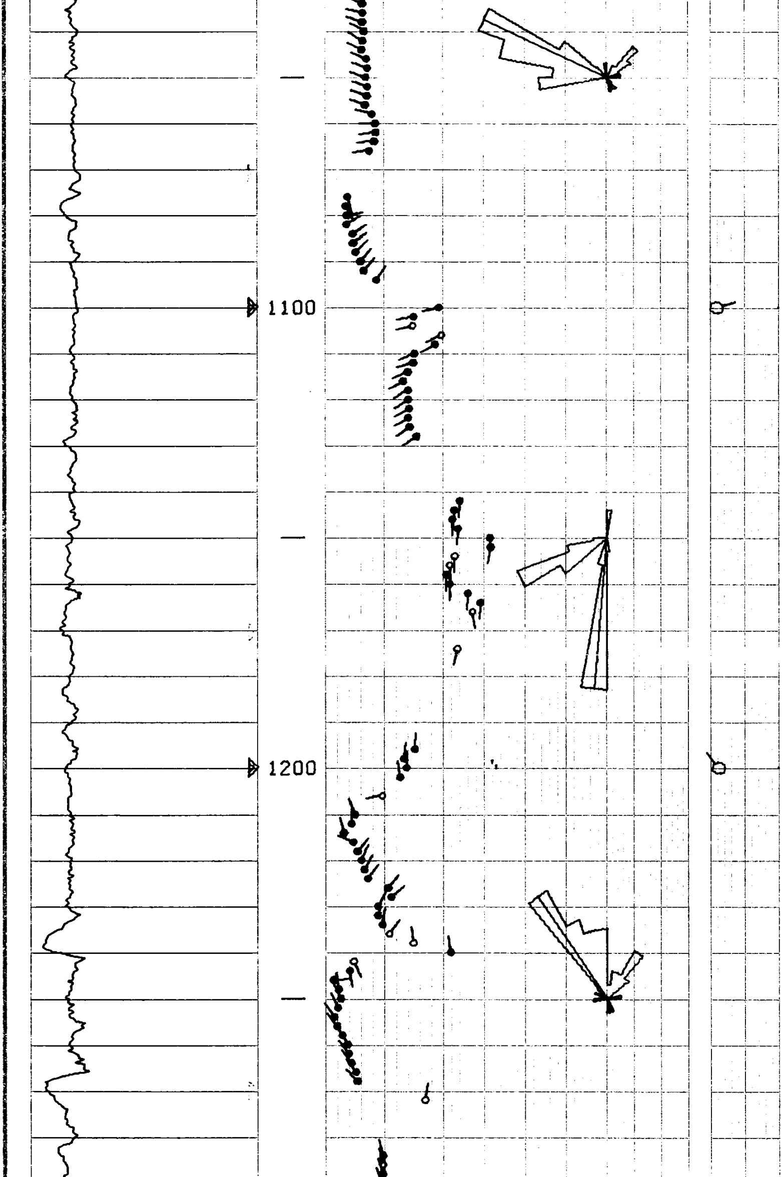


SCHLUMBERGER DIPMETER ARROW PLOT

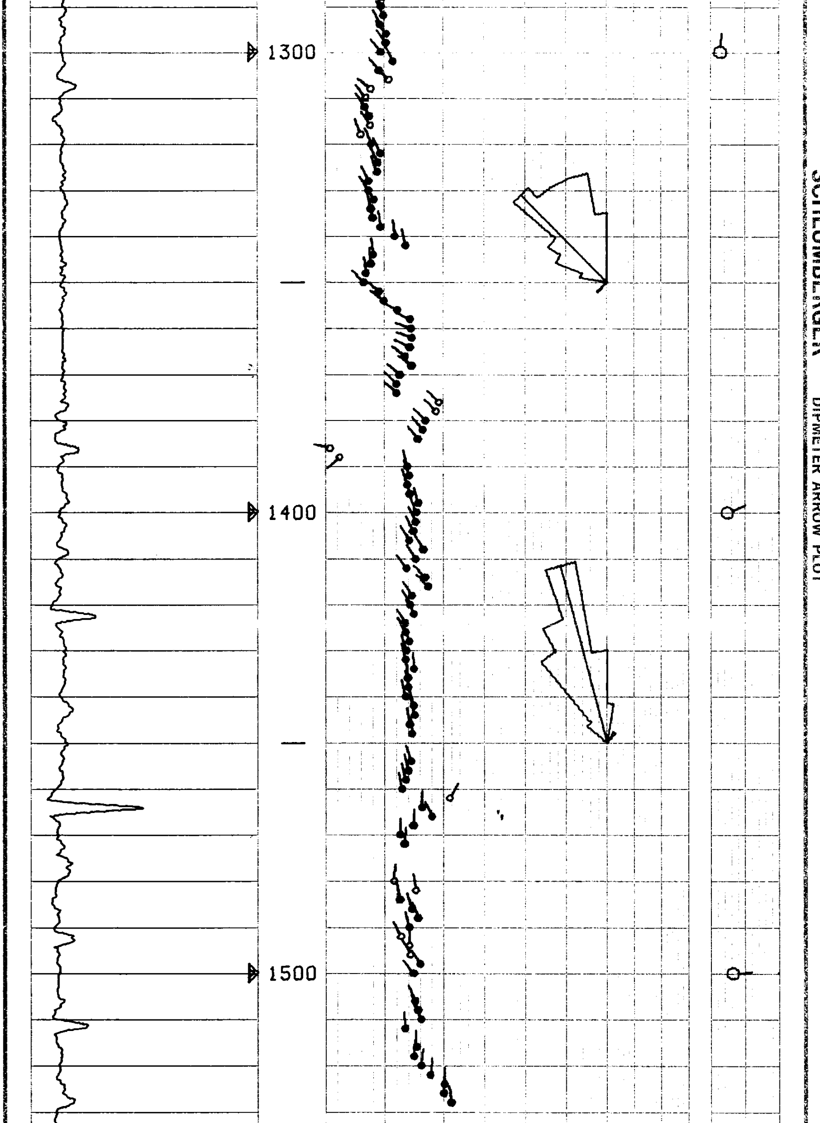


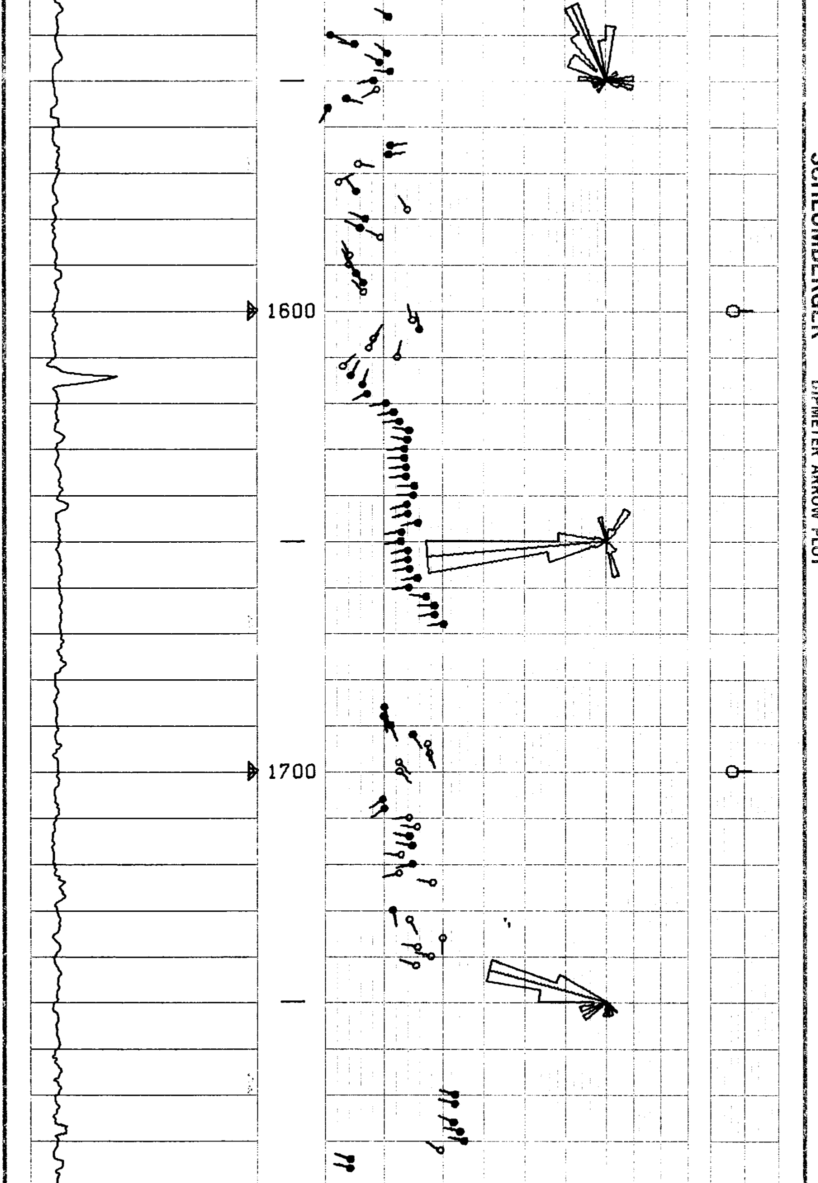
FOOT DIP:DECIMAL 600 IN GRID

SCHLUMBERGER DIPMETER ARROW PLOT



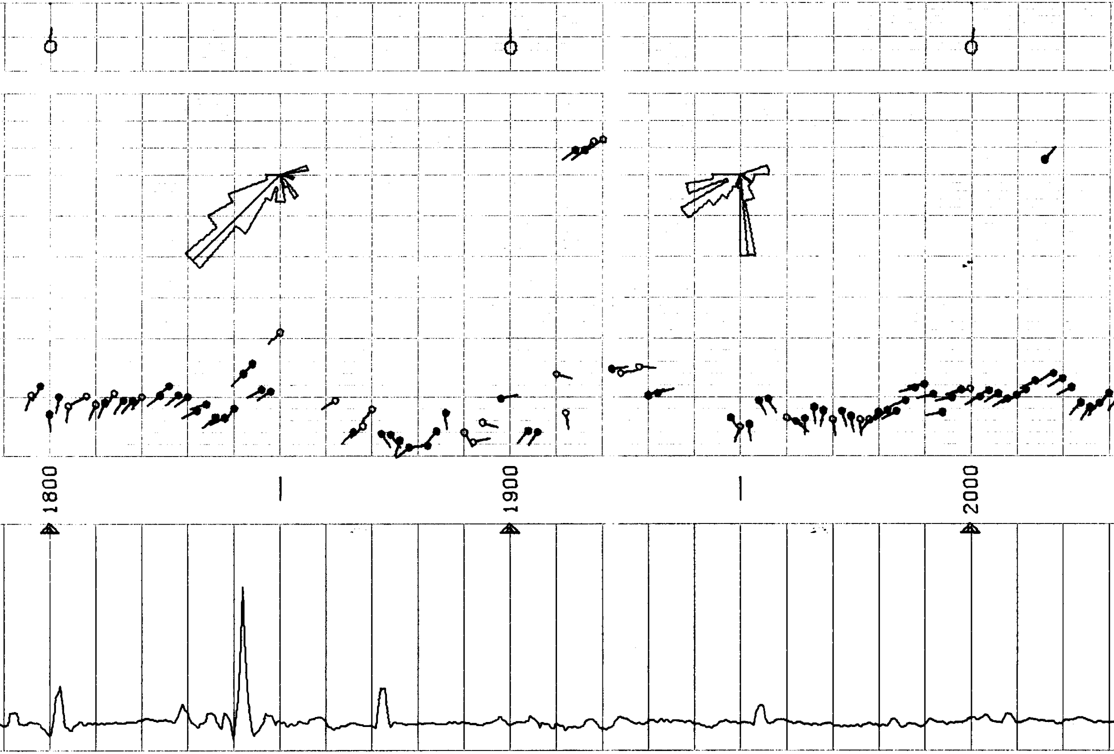
FOOT DUO-DECIMAL .500 IN. GRID





SCHLUMBERGER DIPMETER ARROW PLOT

7-15-80 SWC 123899



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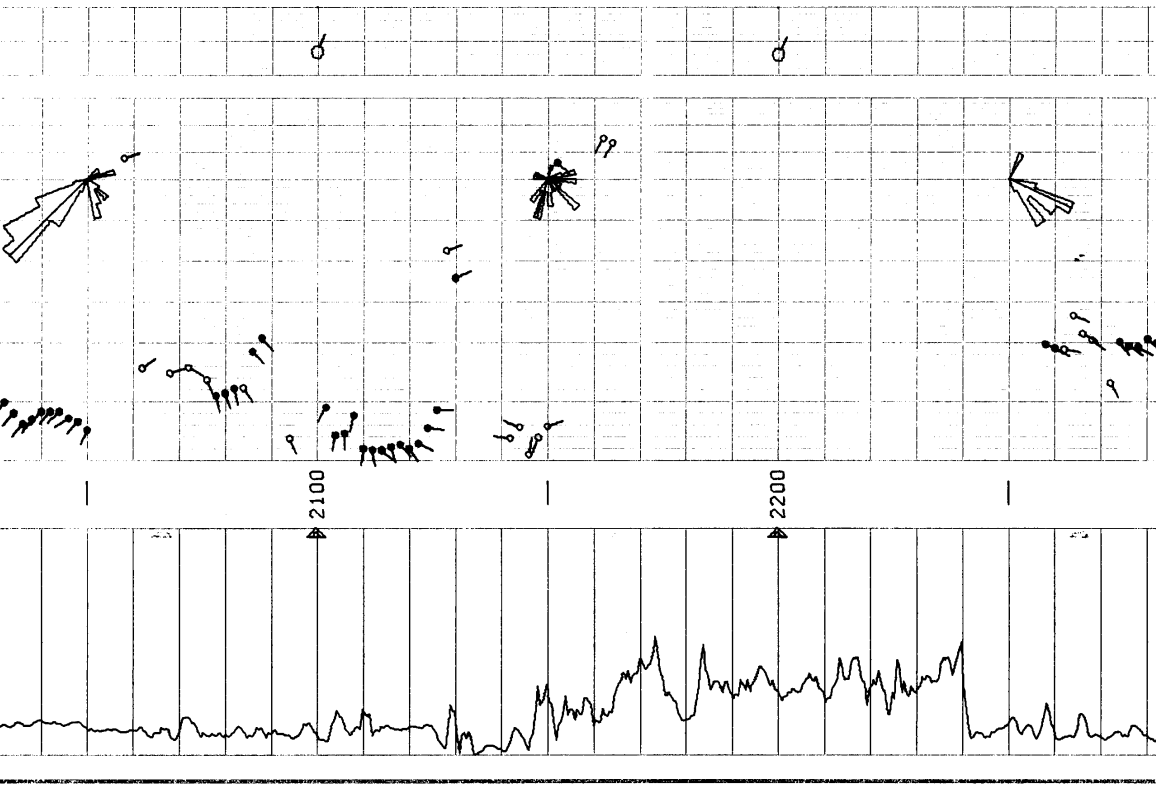
SCHLUMBERGER DIPMETER ARROW PLOT



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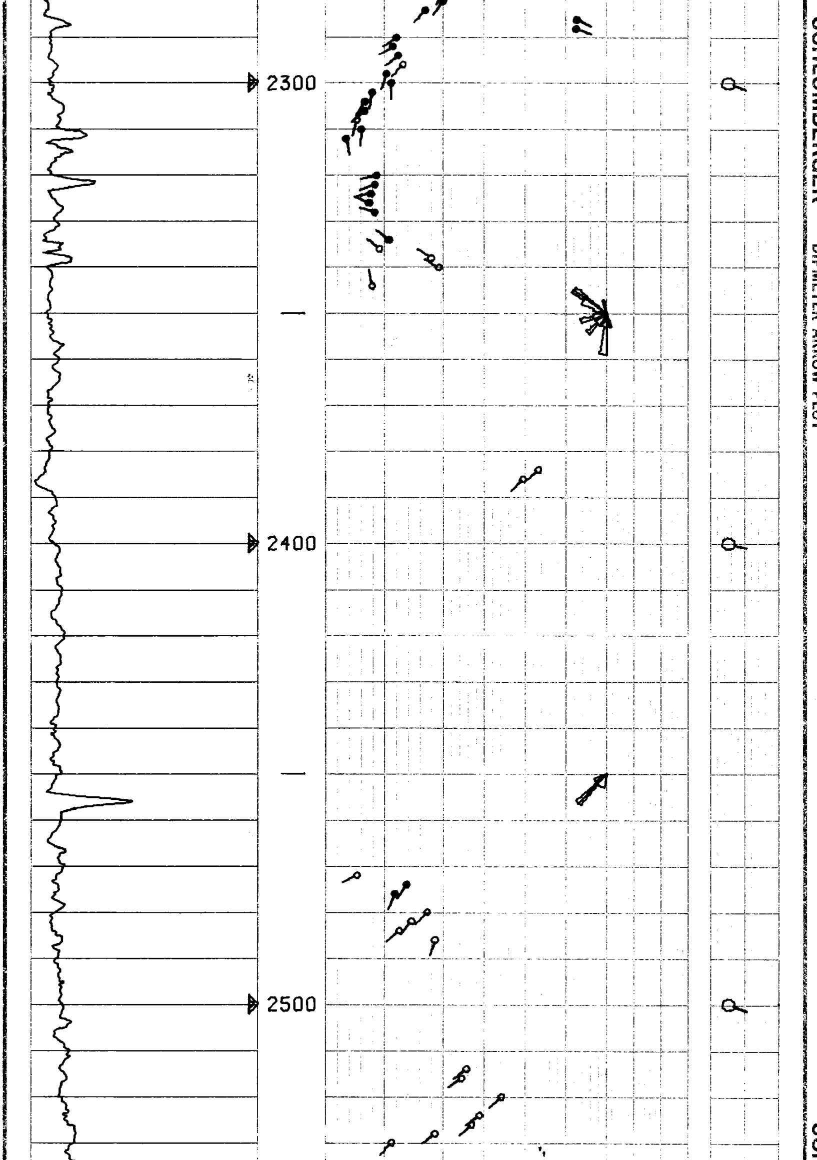
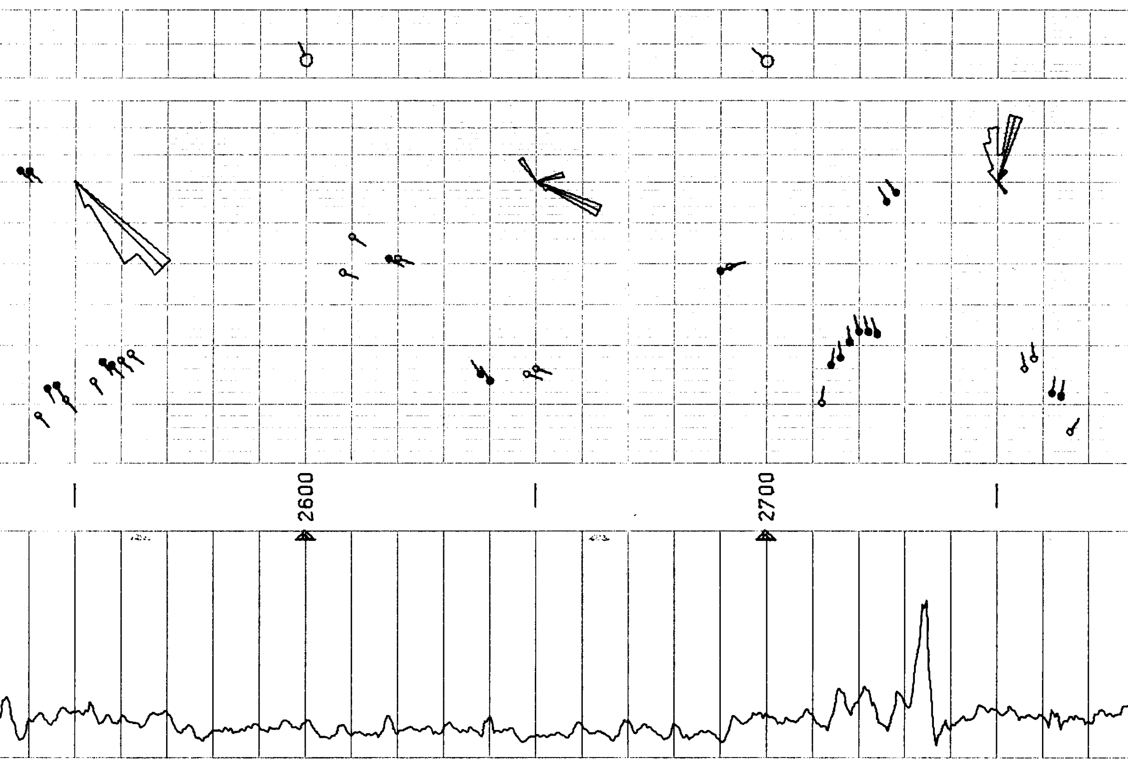


DIPMETER ARROW PLOT



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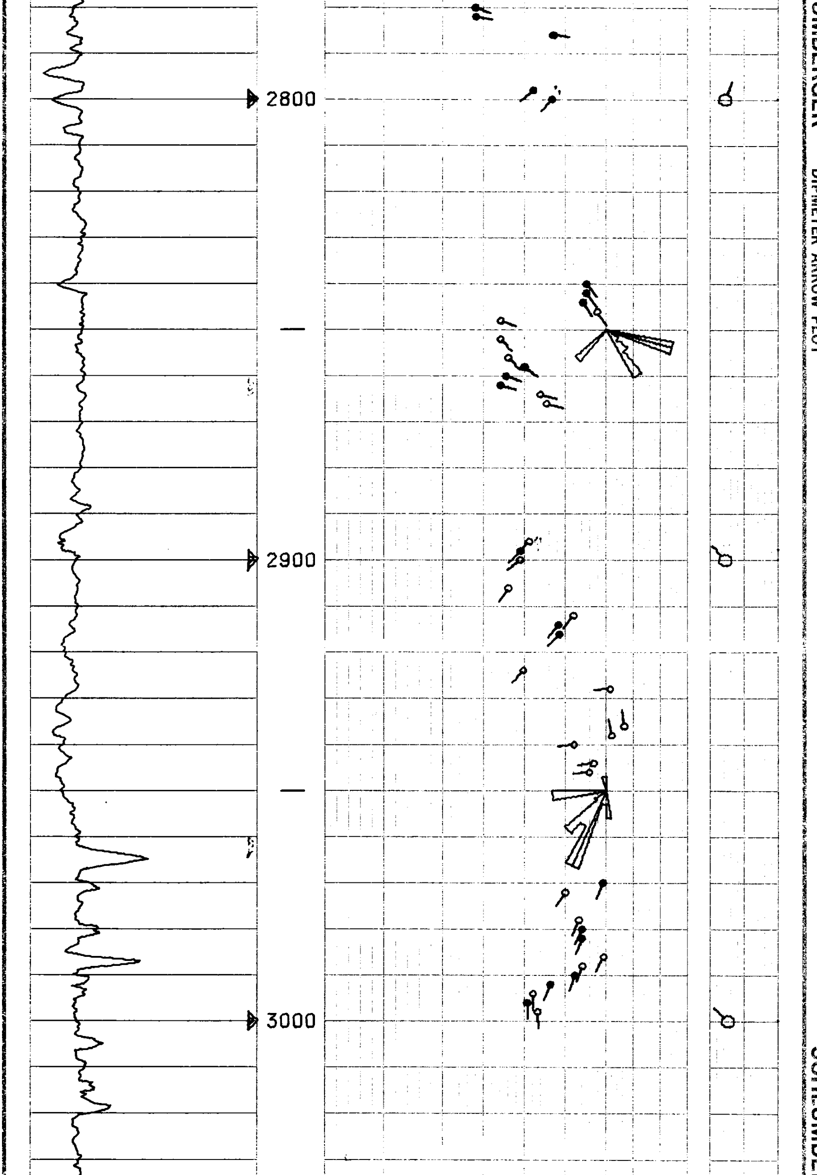

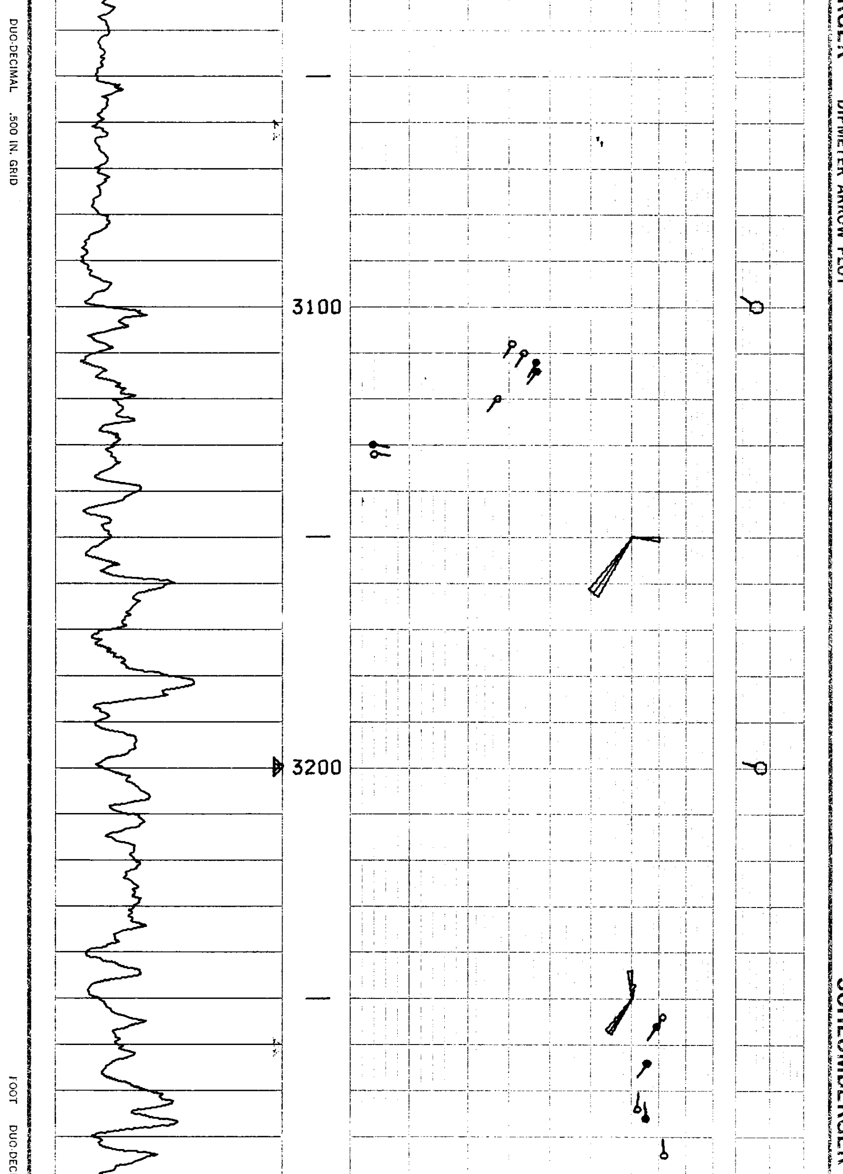

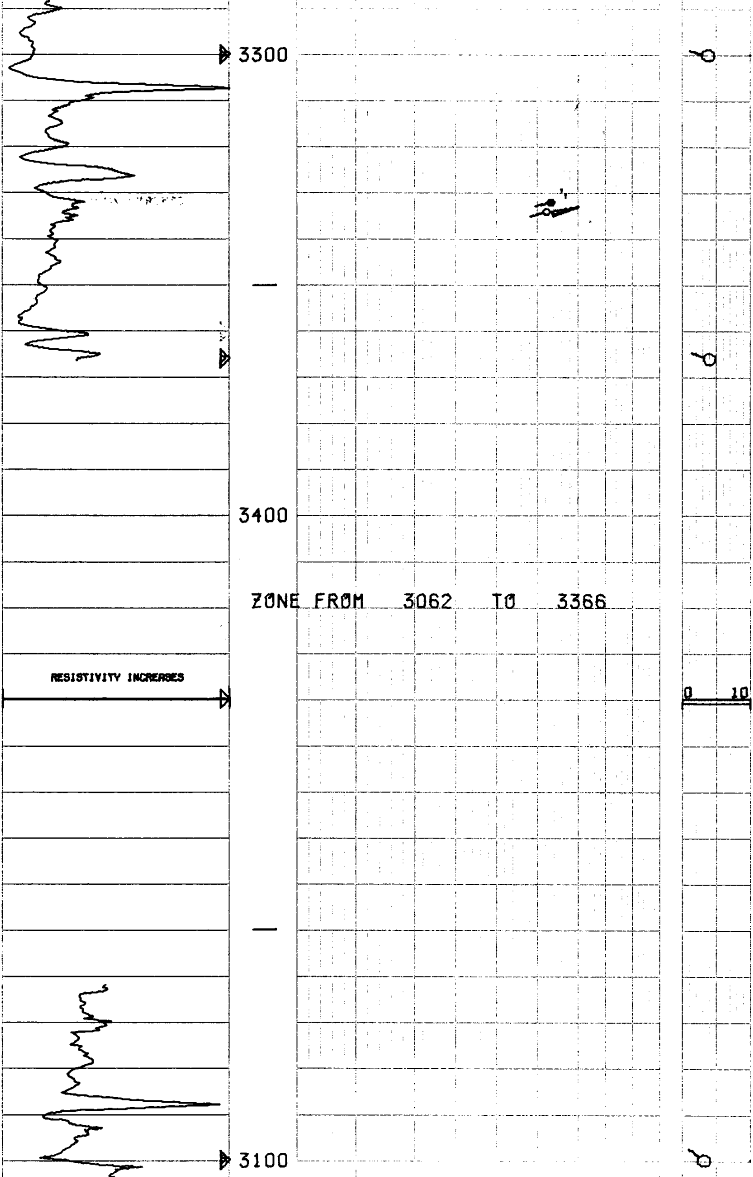

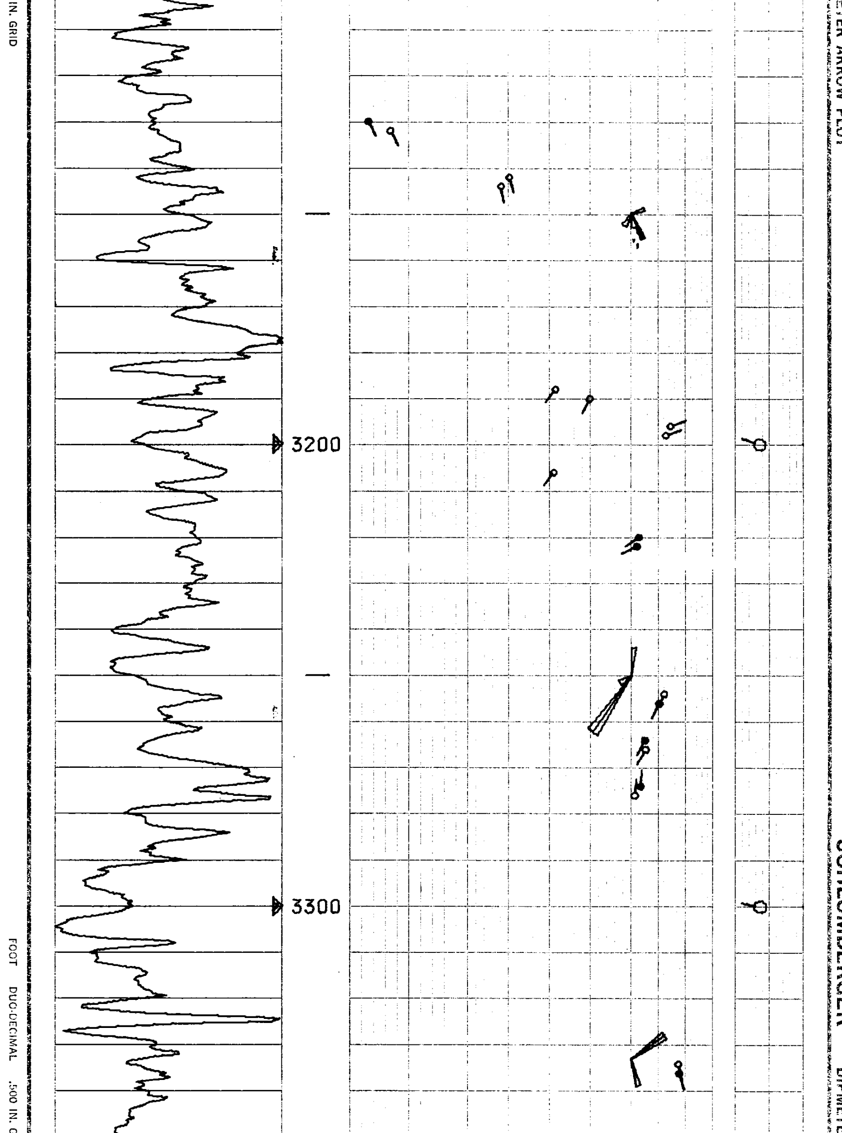

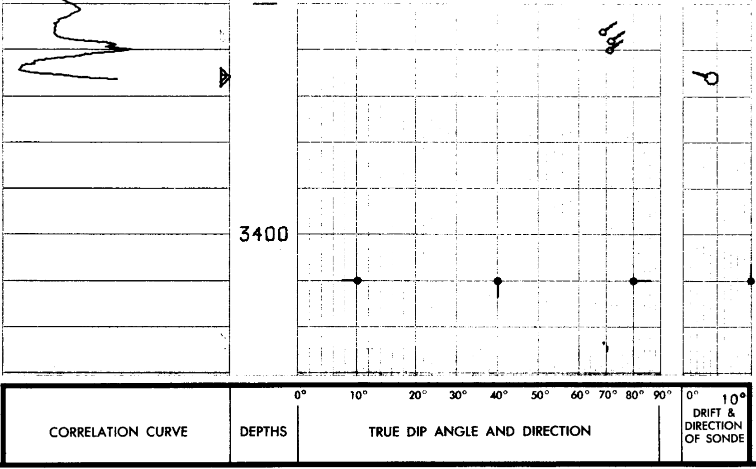

COMPANY REICHHOLD ENERGY CORPORATION

WELL REICHHOLD ADAM NO. 24-34

FIELD MIST NEHALEM BASIN

COUNTY COLUMBIA STATE OREGON

Rm 2.31 @ 74 °F
Rmf 2.90 @ 55 °F
Rmc 2.90 @ 62 °F
BHT 95 °F

SCHL. FR 3372
SCHL. TD 3373
DRLR TD 3377
Elev:
KB 1139.44
DF --
GL 1128.94