COUNTY COLUMBIA
FIELD or LOCATION 11-6N-5W
WELL LONGVIEW FIBRE #1 REDRILL NO. 1
COMPANY REICHHOLD ENERGY

Schlumberger

FOUR — ARM HIGH RESOLUTION CONTINUOUS DIPMETER
(COMPUTED)

COMPANY REICHHOLD ENERGY CORPORATION

WELL LONGVIEW FIBRE NO. 1 REDRILL NO. 1

FIELD MIST NEHALEM BASIN

COUNTY COLUMBIA STATE OREGON

LOCATION : 1070'NORTH & 304'EAST FROM THE SOUTHWEST CORNER OF :
Sec. 11 Twp. 6N Rge. 5W

Other Services:
DI-SFL

Permanent Datum: GL, Elev. 833.6
Log Measured From KB 10.5 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 844.1
D.F. --
G.L. 833.6

Date	5-9-80		RECEIVED-PTLD	
Run No.	ONE			
Depth—Driller	2803		JUL 1 1980	
Depth—Logger	2799		DEPT OF GEOLOGY & MINERAL INDUS	
Btm. Log Interval	2796			
Top Log Interval	385			
Casing—Driller	7" @ 386	@	@	@
Casing—Logger	385			
Bit Size	6½"			
Type Fluid in Hole	LIGNOSULFO-NATE			
Dens. | Visc.	73 | 43	|	|	|
pH | Fluid Loss	10 | 7.2 ml	ml	ml	ml
Source of Sample	FLOWLINE			
R_m @ Meas. Temp.	1.88 @ 72 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	2.05 @ 62 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	2.13 @ 58 °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	M | M	|	|	|
R_m @ BHT	1.44 @ 96 °F	@ °F	@ °F	@ °F
Time Since Circ.	3 HOURS			
Max. Rec. Temp.	96 °F	°F	°F	°F
Equip. | Location	8126 | SAC	|	|	|
Recorded By	KAISER/ROWE			
Witnessed By	BRUER			

SWS-1854-B

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			
HDM No.	729			
Magnetic Declination	20°			
Analog Panel No.	--			
Digital Panel No.	752			
Correlated By	--			
Computed By	PCDCC			
Plotted By	PCDCC			
Remarks —	SERVICE ORDER NO. 123964			

"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°

REFERENCE 2 DIPMETER ARROW PLOT

8031Z9564

REICHOLD ENERGY CORP.
LONGVIEW FIBRE #1 R.D.#1
MIST NEHALEM BASIN FIELD
COLUMBIA COUNTY, OREGON
RUN NO. ONE 9-MAY-80
P.C.D.C.
ARROW PLOT FROM CLUSTER PROGRAM

CORRELATION LENGTH	4 FT.
STEP LENGTH	2 FT.
SEARCH ANGLE	30 DEGREES X2
HDT-G CSU PDP/11	

JOB 4364.DD

LOG [illegible] DECIMAL .500 IN. GRID

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

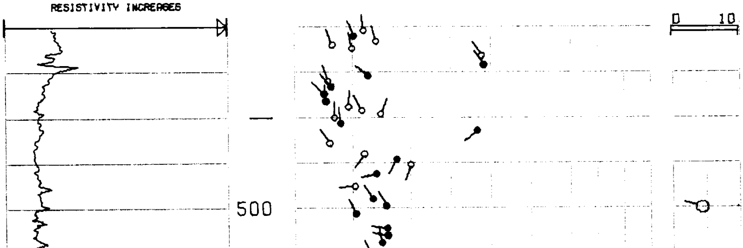
CORRELATION LENGTH 4 FT.

STEP LENGTH 2 FT.

SEARCH ANGLE 30 DEGREES X2

PC01300235183070010204 20

ZONE FROM 402 TO 2792

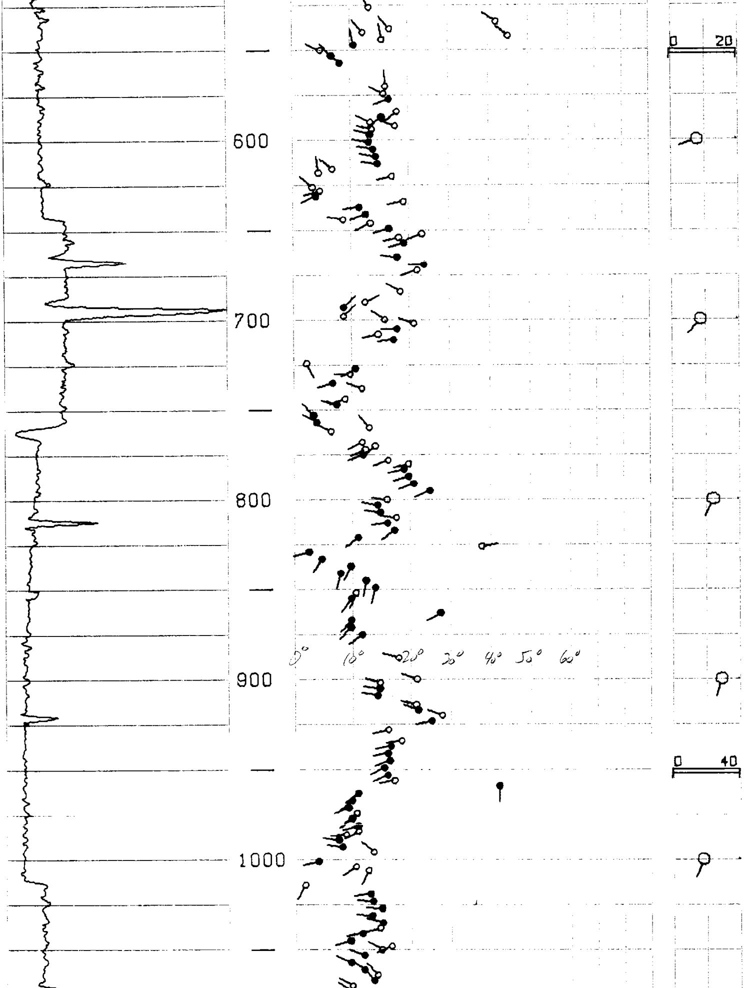


SCHLUMBERGER

DIPMETER ARROW PLOT

FOOT DUO-DECIMAL .300 IN. GRID

SCHLUMBERGER DIPMETER ARROW PLOT



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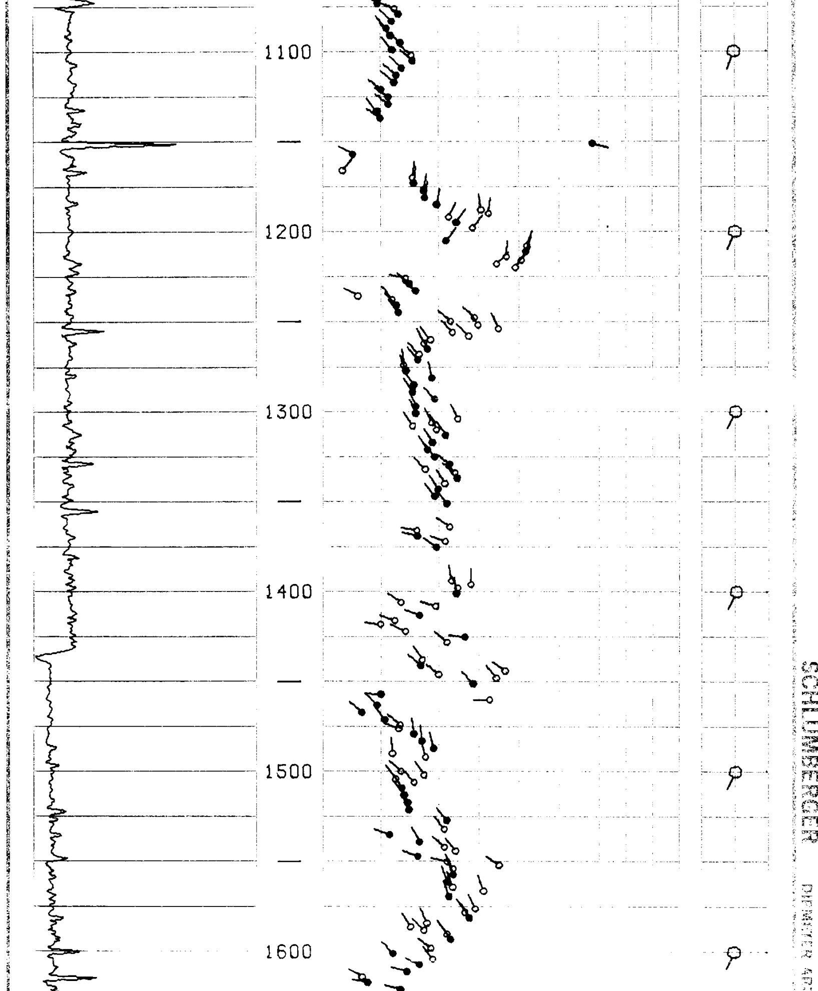
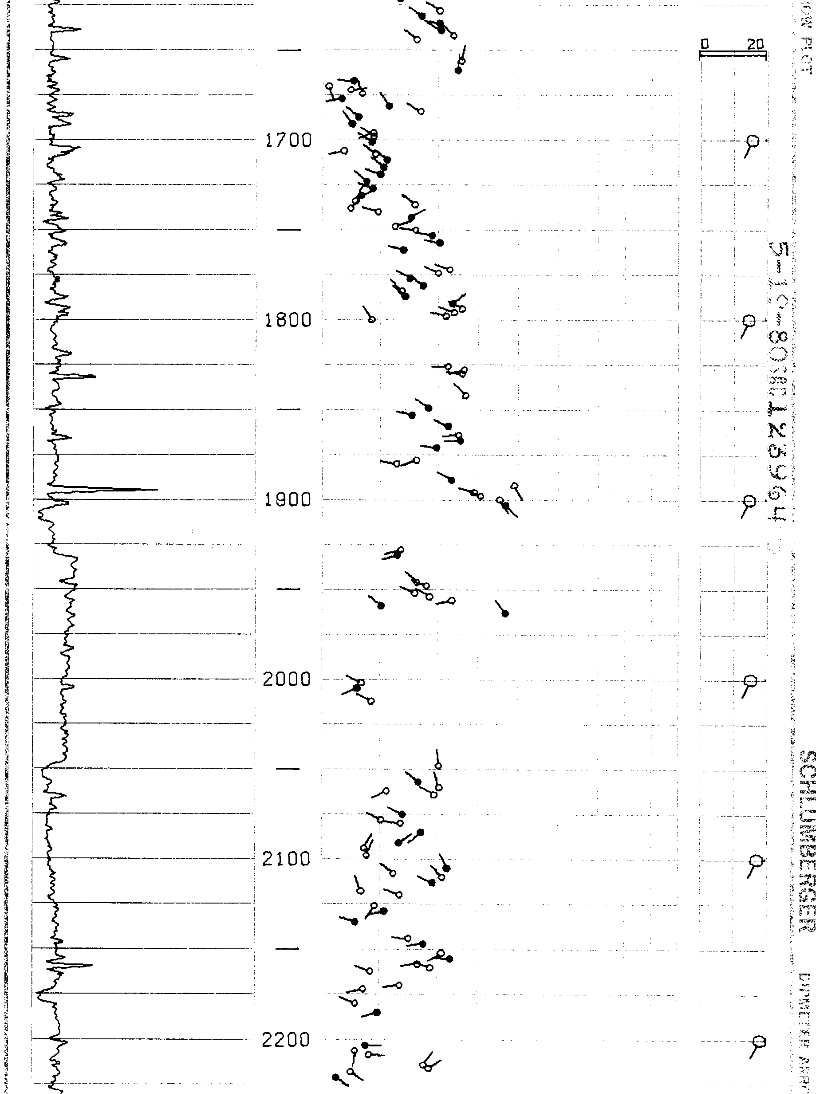
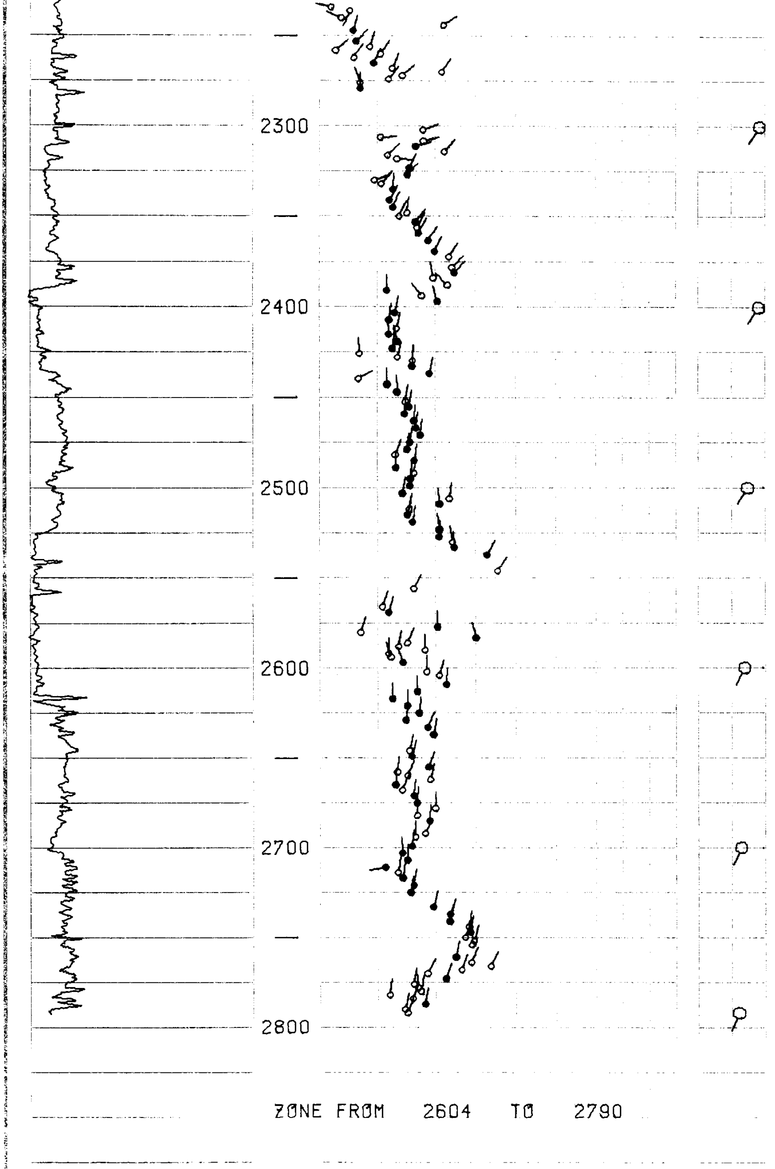
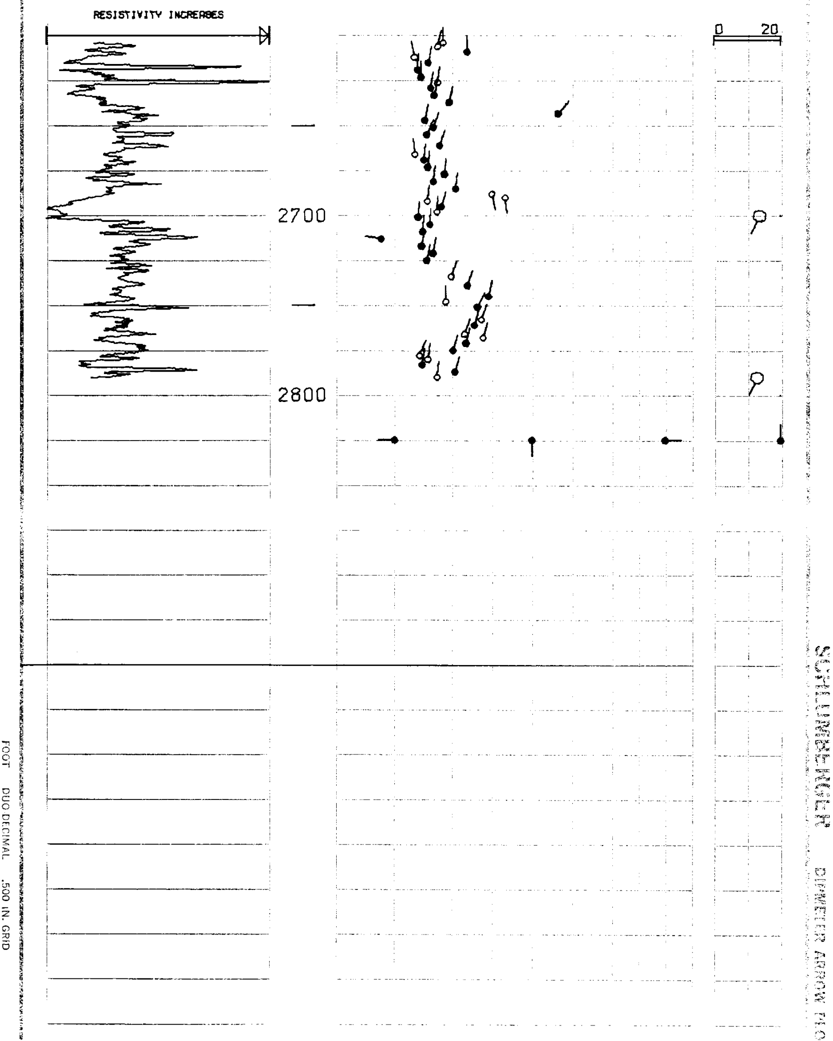








JOB 4364.00

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 4364

FROM THE CLUSTER PROGRAM

BLACK ARROWS ARE HIGHEST QUALITY

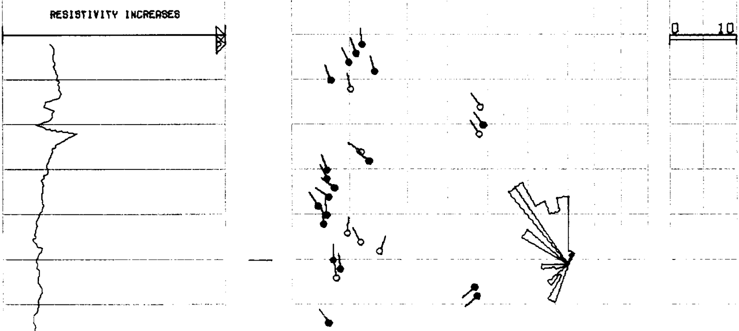
CORRELATION LENGTH 4 FT.

STEP LENGTH 2 FT.

SEARCH ANGLE 30 DEGREES X2

PC0130023518307001020420

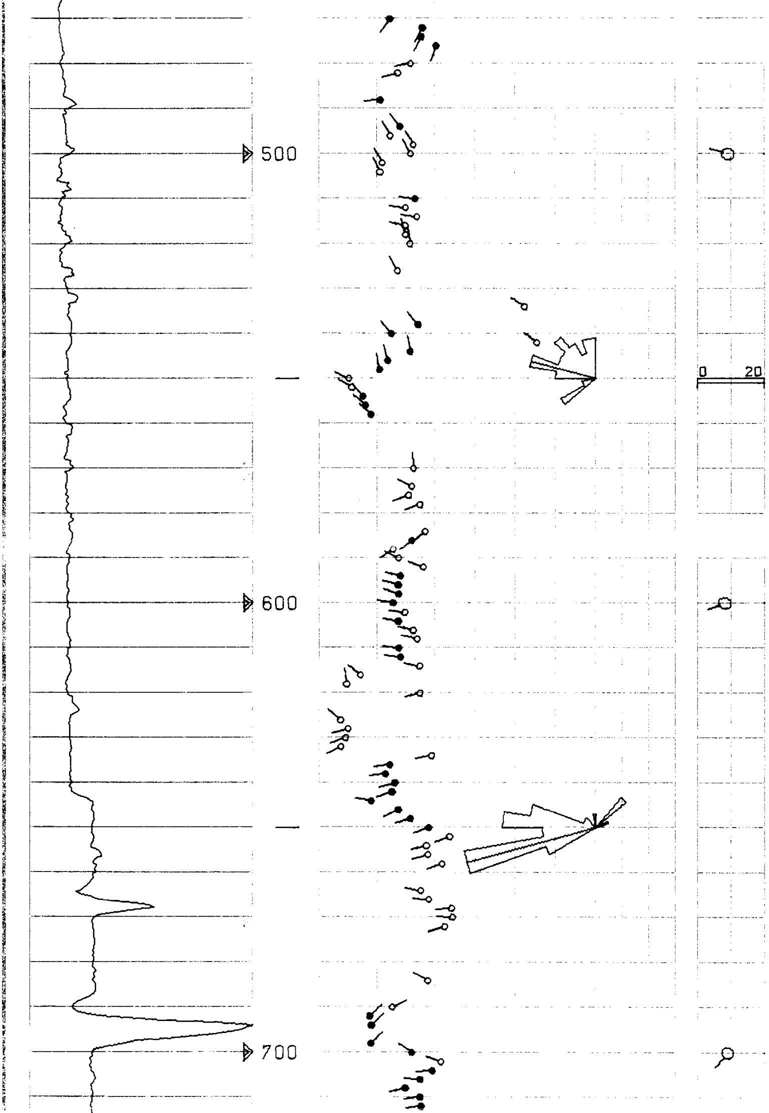
ZONE FROM 402 TO 2794



SCHLUMBERGER DIPMETER ARROW PLOT

FOOT DUO-DECIMAL .500 IN. GRID

SCHLUMBERGER DIPMETER ARROW PLOT



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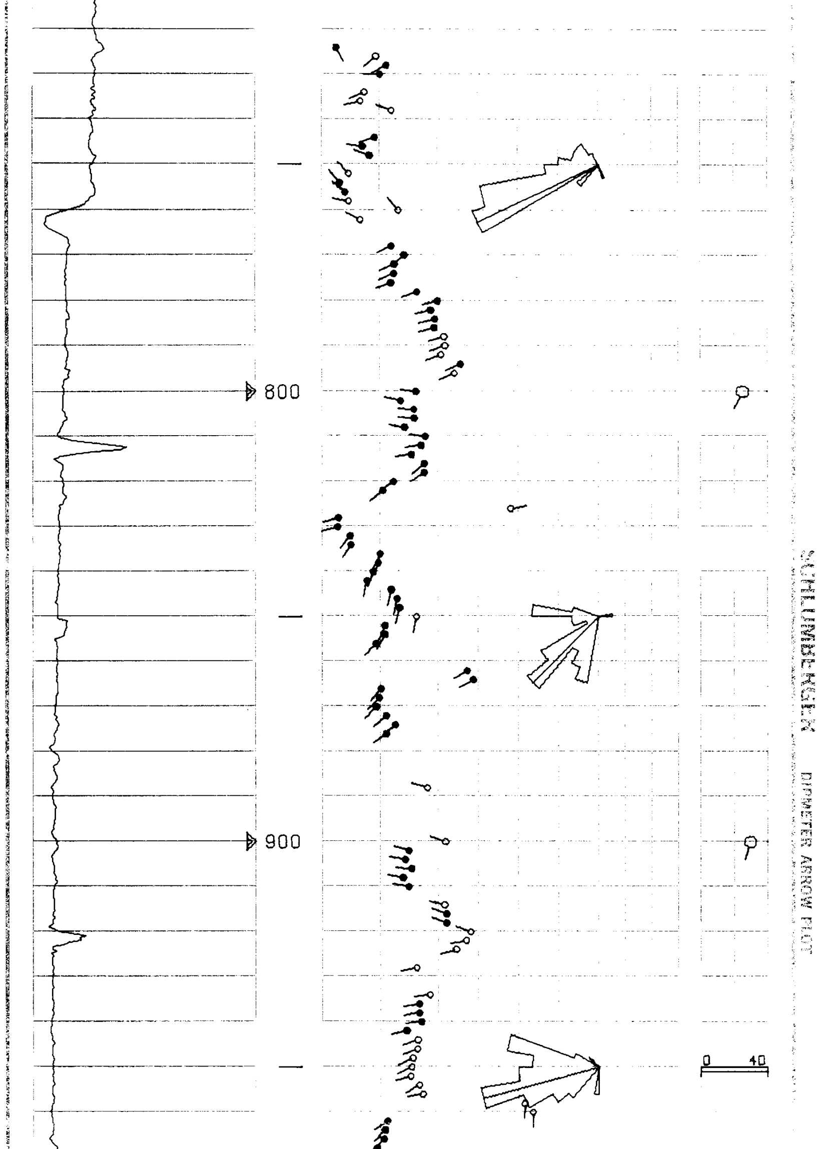
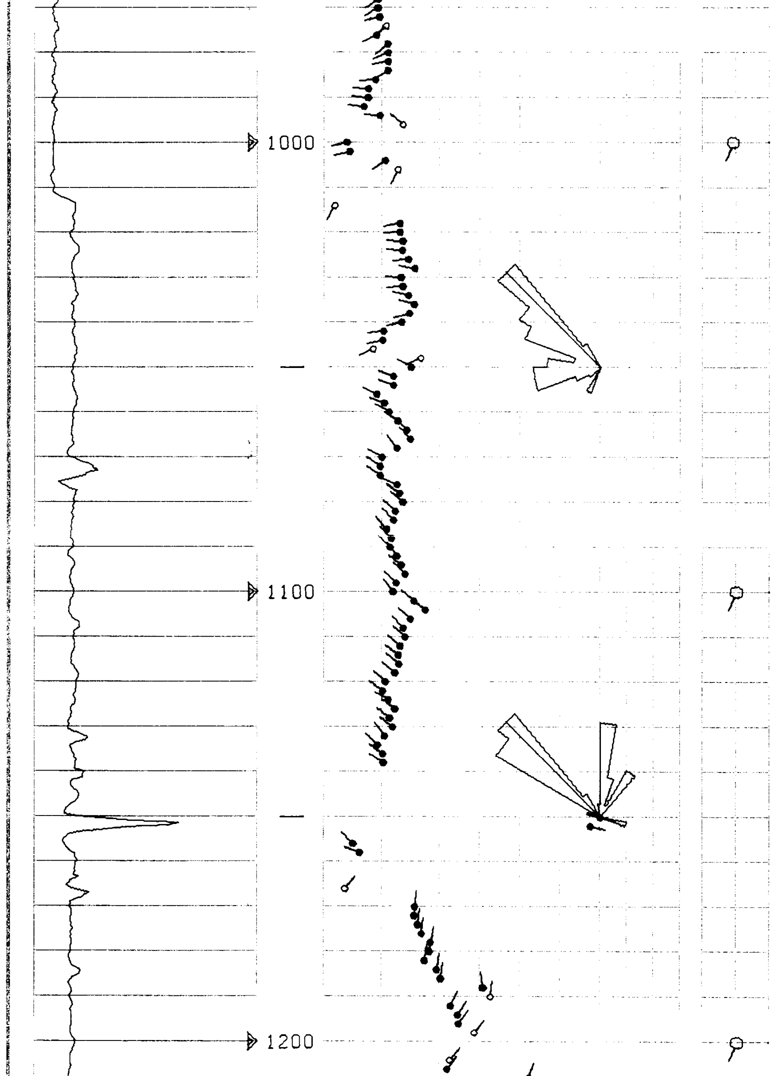


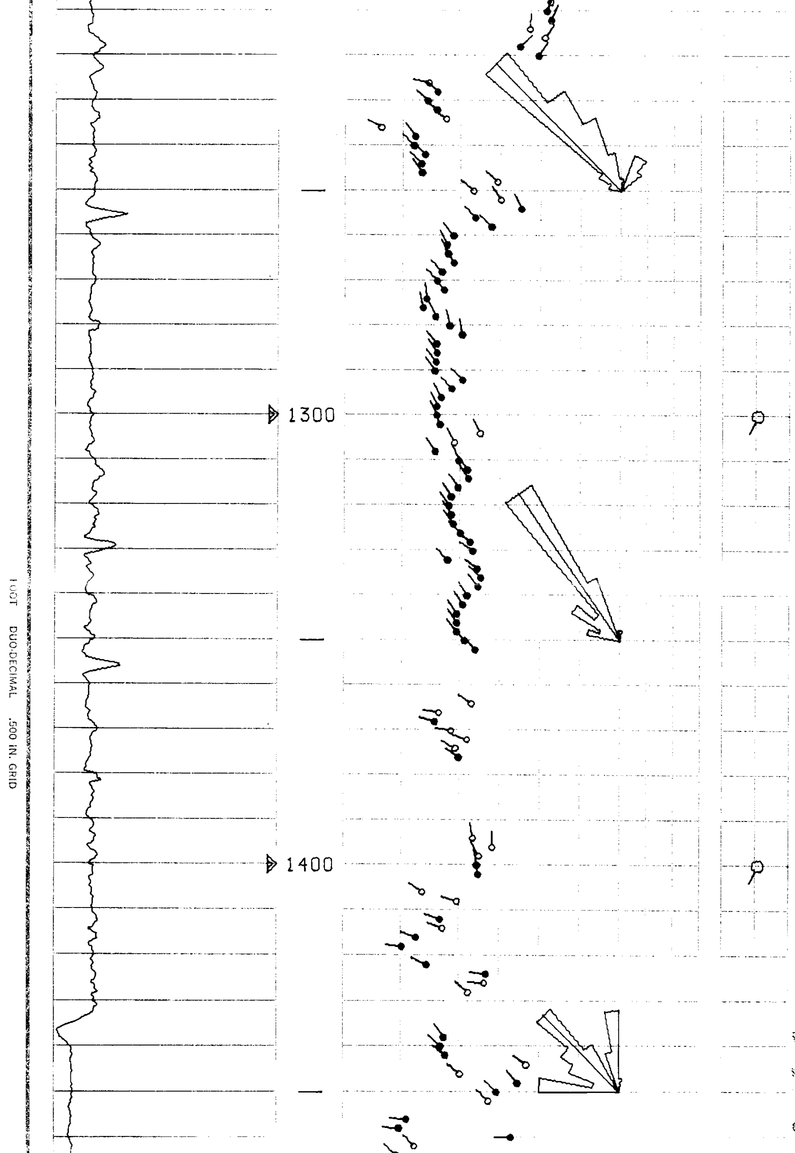
SCHLUMBERGER DIPMETER ARROW PLOT



FOOT DUO-DECIMAL .500 IN. GRID

SCHLUMBERGER

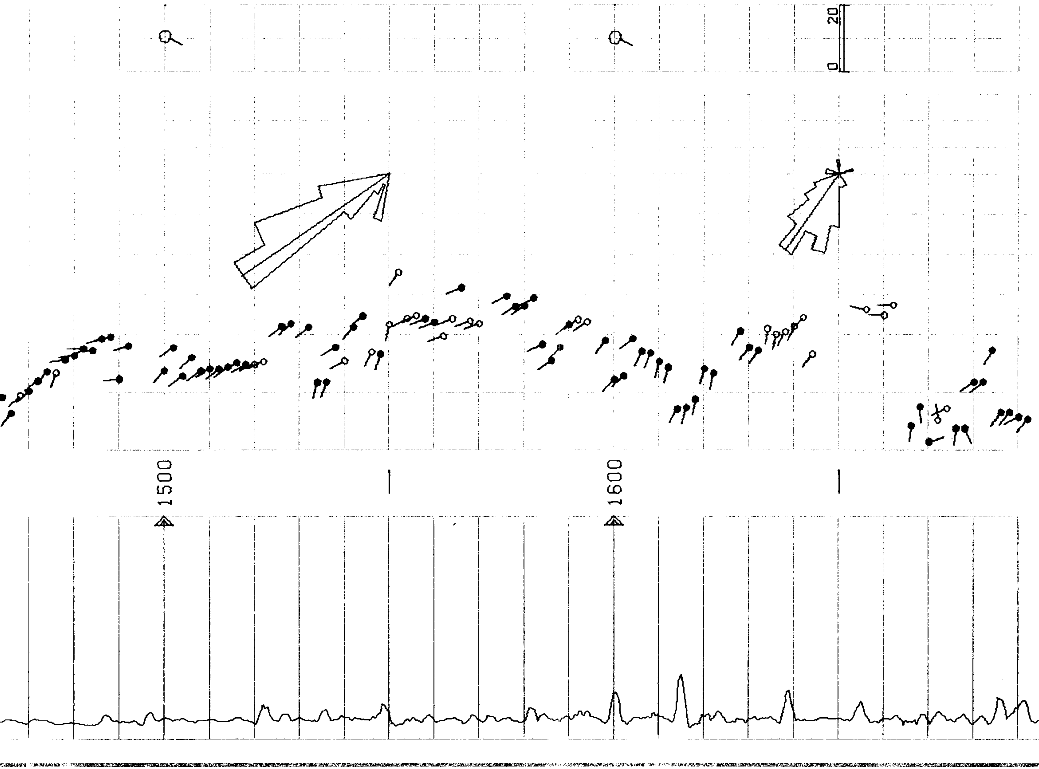
DIPMETER ARROW PLOT



5-12-80

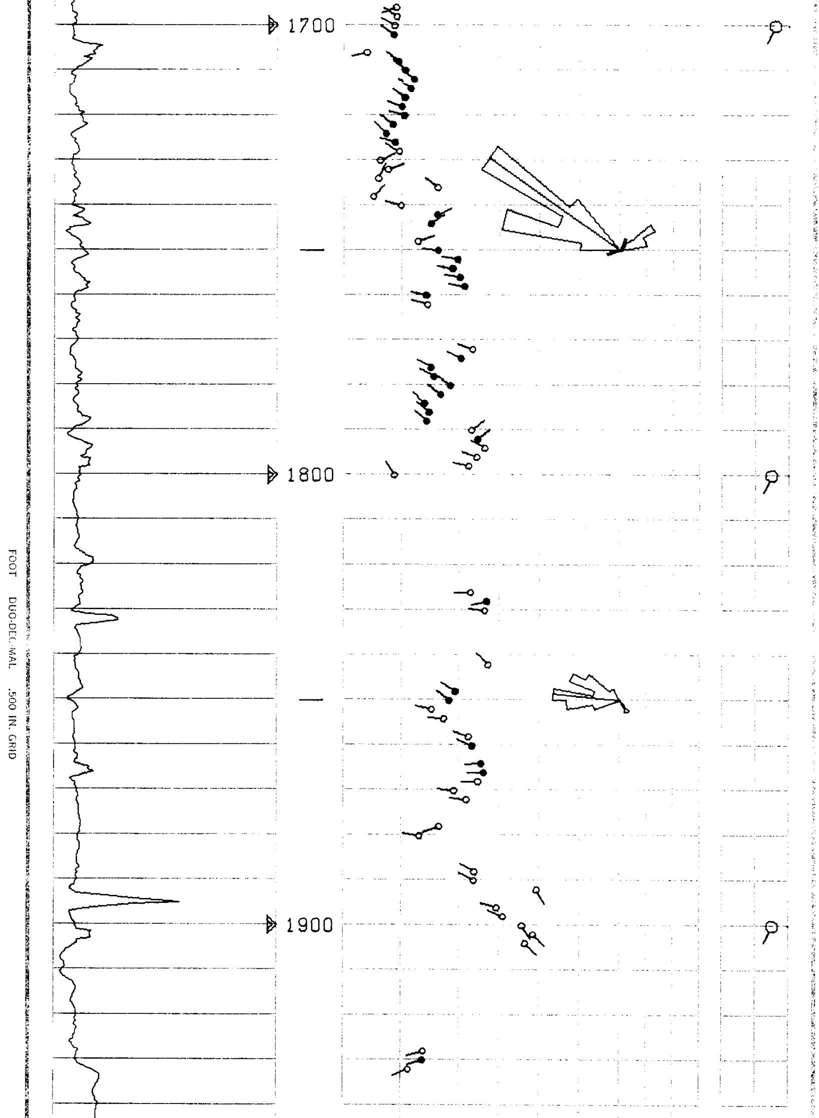
SCHLUMBERGER DIPMETER ARROW PLOT

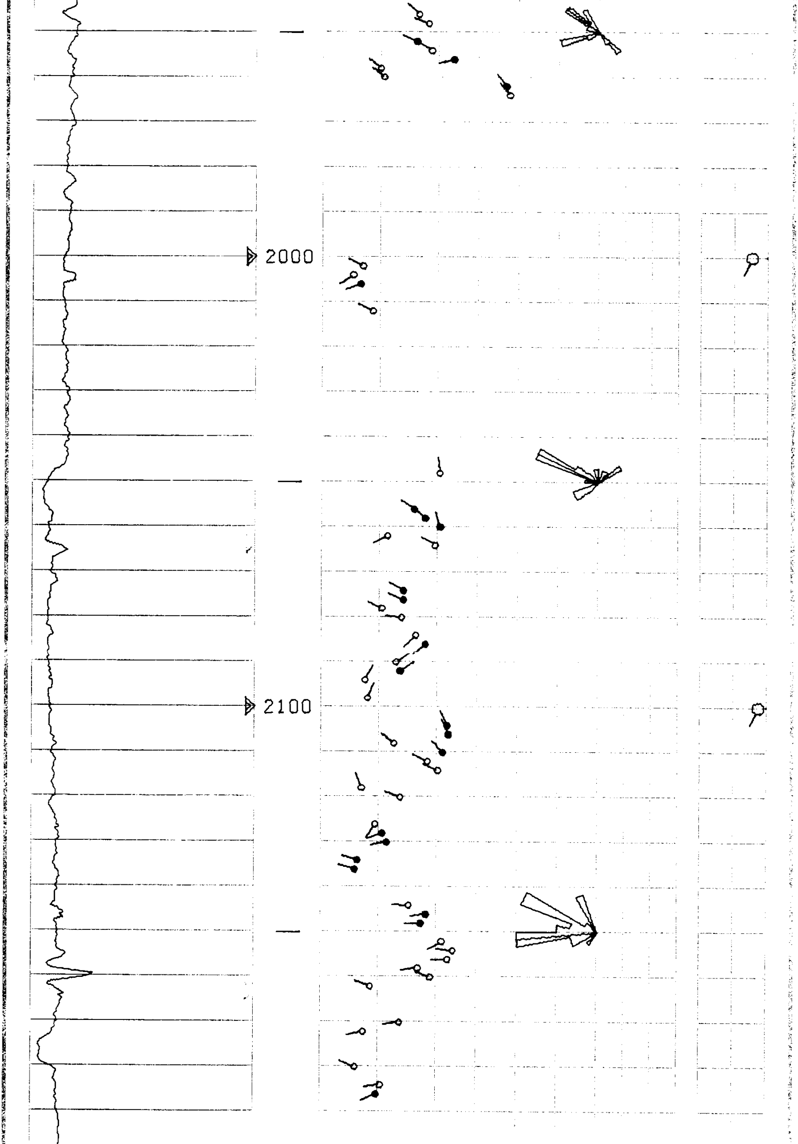
123964



FOOT DUO-DECIMAL .500 IN. GRID

SCHLUMBERGER DIPMETER ARROW PLOT

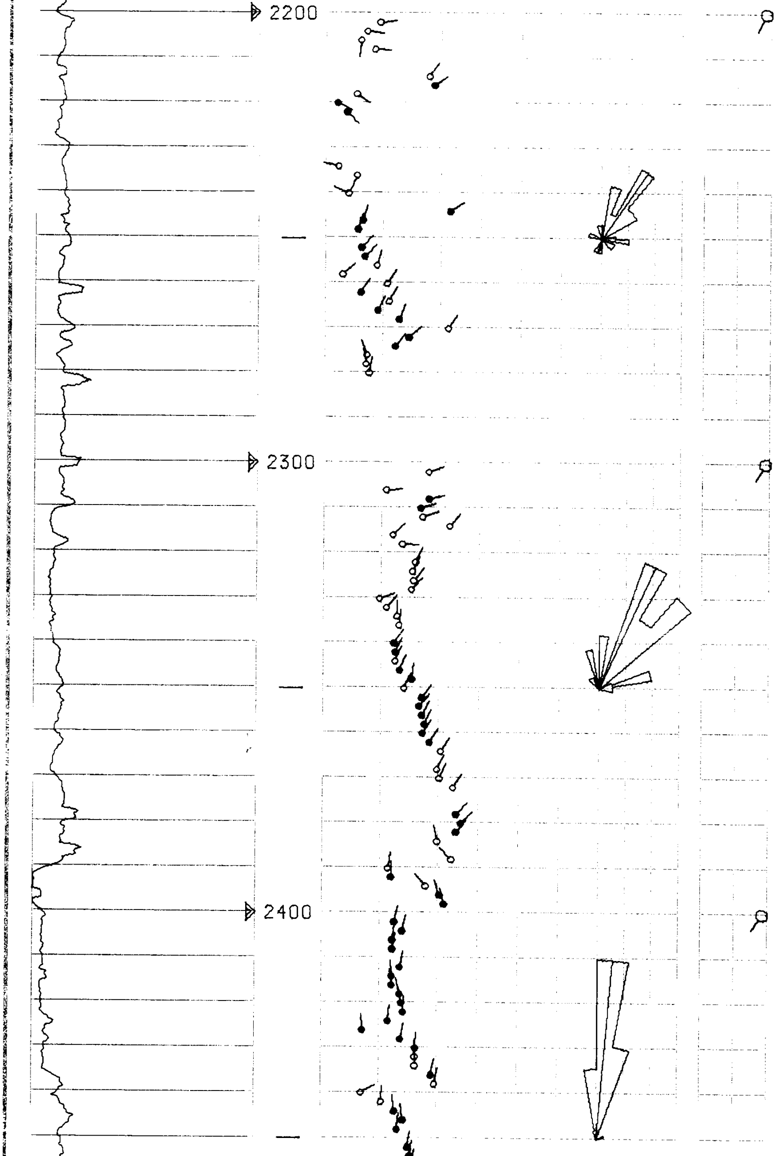




SCHLUMBERGER DIPMETER ARROW PLOT

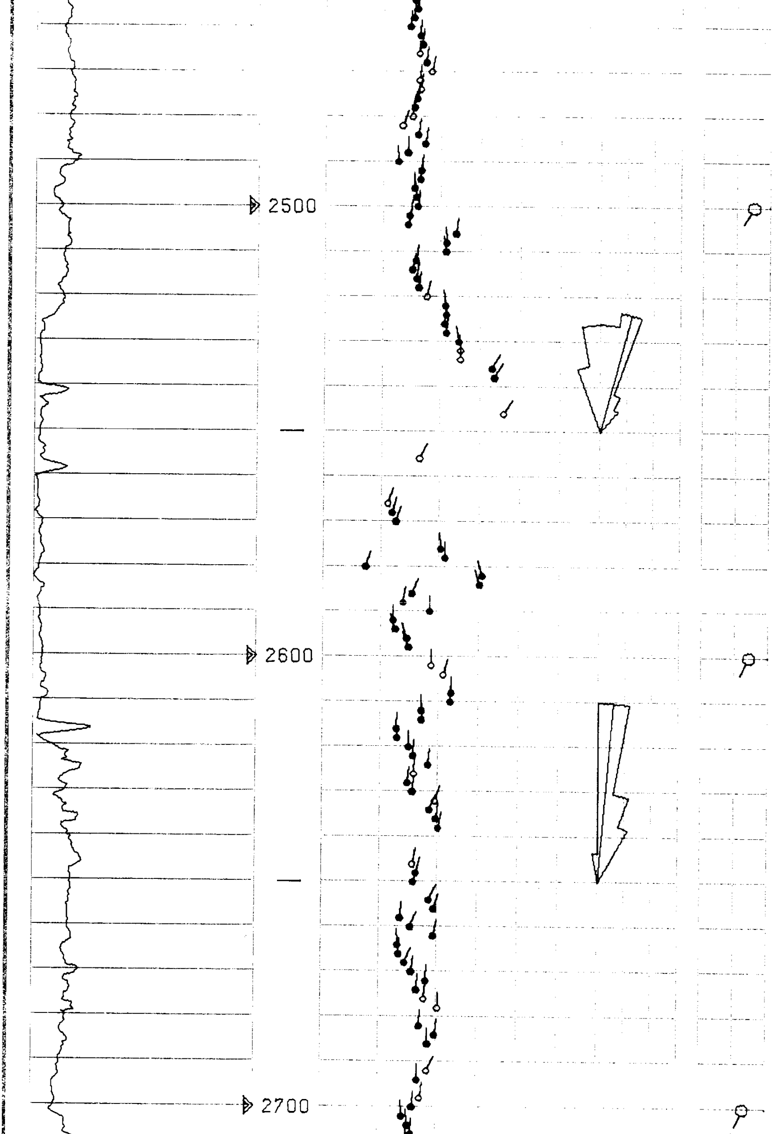
SCHLUMBERGER

DIPMETER ARROW PLOT



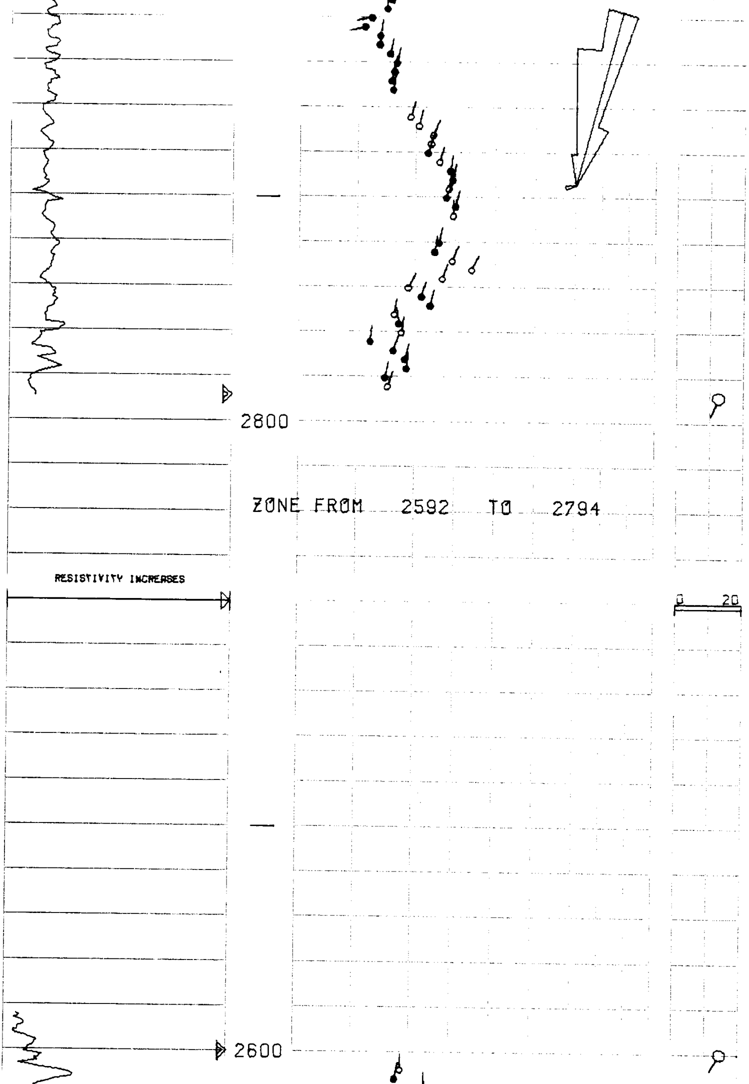
FOOT DUO-DECIMAL .500 IN. GRID

SCHLUMBERGER DIPMETER ARROW PLOT



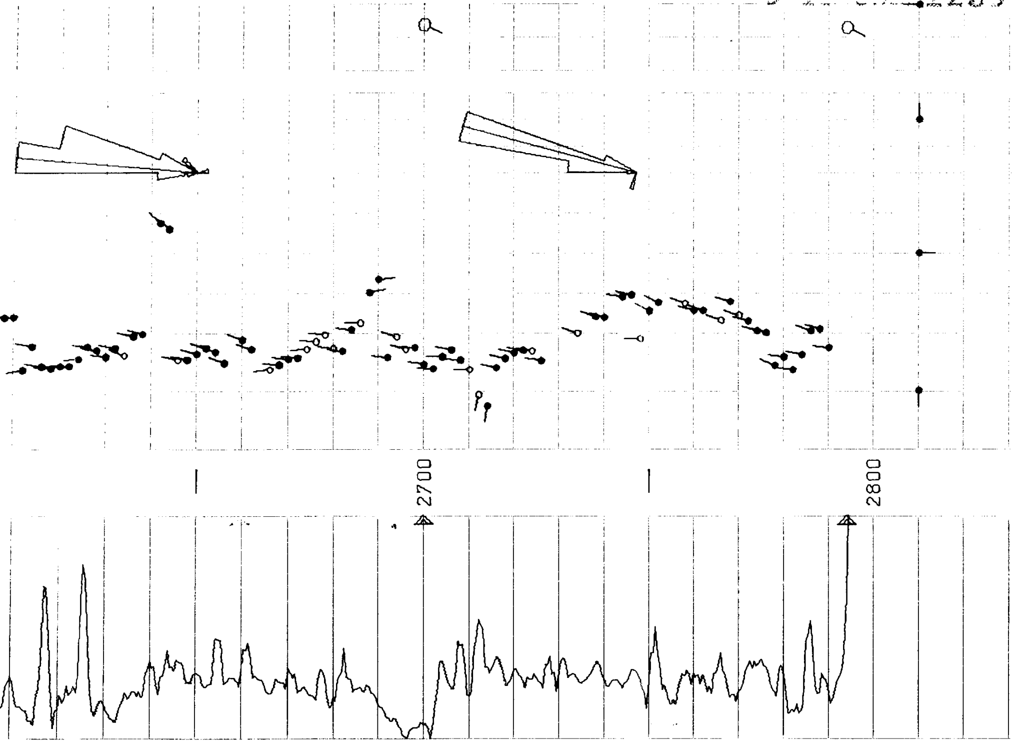
SCHLUMBERGER

DIPMETER ARROW PLOT



SCHLUMBERGER DIPMETER ARROW PLOT

5-10-80 [illegible] 1265



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

COMPANY REICHHOLD ENERGY CORPORATION

WELL LONGVIEW FIBRE NO.1 REDRILL NO.1

FIELD MIST NEHALEM BASIN

COUNTY COLUMBIA STATE OREGON

Rm 1.88 @ 72 °F
Rmf 2.05 @ 62 °F
Rmc 2.13 @ 58 °F
BHT 96 °F

SCHL. FR 2796
SCHL. TD 2799
DRLR TD 2803
Elev:
KB 844.1
DF -
GL 822.6