Schlumberger

HIGH RESOLUTION CONTINUOUS DIPMETER
(COMPUTED)

COUNTY COLUMBIA
FIELD or LOCATION 28-7N-5W, WB&M
WELL ADAMS 34-28
COMPANY REICHHOLD ENERGY

COMPANY REICHHOLD ENERGY CORP.
WELL ADAMS 34-28
FIELD MIST
COUNTY COLUMBIA **STATE** ORIGON

LOCATION
1087.47' NORTH & 1257.75' EAST
FROM THE SOUTH 1/4 CORNER:
Sec. 28 **Twp.** 7N **Rge.** 5W, WB&M

Other Services:
DIL
BHC

Permanent Datum: GL, **Elev.** 1195.6'
Log Measured From KB 11.4 **Ft. Above Perm. Datum**
Drilling Measured From KB

Elev.: K.B. 1207.0
D.F. N/A
G.L. 1195.6

Date	20 SEP 82		
Run No.	ONE		
Depth—Driller	2572.0'		
Depth—Logger	2549.0'		
Btm. Log Interval	2548.0'		
Top Log Interval	516.0'		
Casing—Driller	7" @ 516'	@	@
Casing—Logger	516'		
Bit Size	6¼"		
Type Fluid in Hole	LIGNOSULFO- NATE		
Dens. | Visc.	9.7 | 48.0	|	|
pH | Fluid Loss	9.0 | 4.1 ml	| ml	| ml
Source of Sample	CIRCULATION		
R_m @ Meas. Temp.	1.41 @ 78°F	@ °F	@ °F
R_{mf} @ Meas. Temp.	1.69 @ 59°F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.98 @ 64°F	@ °F	@ °F
Source: R_{mf} | R_{mc}	M | M	|	|
R_m @ BHT	1.14 @ 98°F	@ °F	@ °F
Time Since Circ.	1100		
Max. Rec. Temp.	98°F	°F	°F
Equip. | Location	8076 | SAC	|	|
Recorded By	ANDERSEN		
Witnessed By	ALGER		

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

Changes in Mud Type or Additional Samples N/A				
Date | Sample No.				
Depth—Driller				
Type Fluid in Hole				
Dens. | Visc.				
ph | Fluid Loss		ml		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	HDS-D			
HDM No.	1726			
Magnetic Declination	20° E			
Analog Panel No.	-			
Digital Panel No.	1891			
Correlated By	PCDCC			
Computed By	PCDCC			
Plotted By	PCDCC			

Remarks — SERVICE ORDER NO. 254283.

"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.

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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°

REICHHOLD ENERGY CORP.
ADAMS 34-28
MIST FIELD
COLUMBIA COUNTY, OREGON
RUN NO. ONE 20-SEP-82
P.C.C.C.
ARROW PLOT FROM CLUSTER PRO

CORRELATION LENGTH 4 FT
STEP LENGTH 2 FT
SEARCH ANGLE 70 DEGR
HDT-G CSU VAX 11/780

JOB 6737.00

EES X1

GRAM

POOLED ARROW PLOT

2 LEVELS POOLED WHEN WITHIN

3.5 DEGREES SOLID ANGLE

BLACK ARROWS ARE POOLED RESULTS

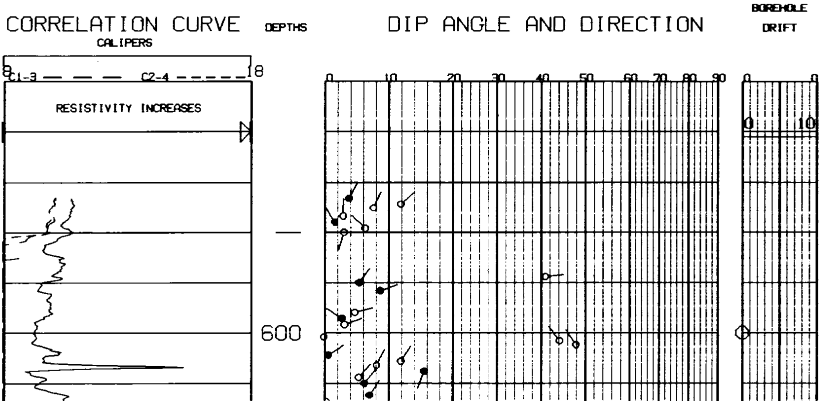
CORRELATION LENGTH 4 FT.

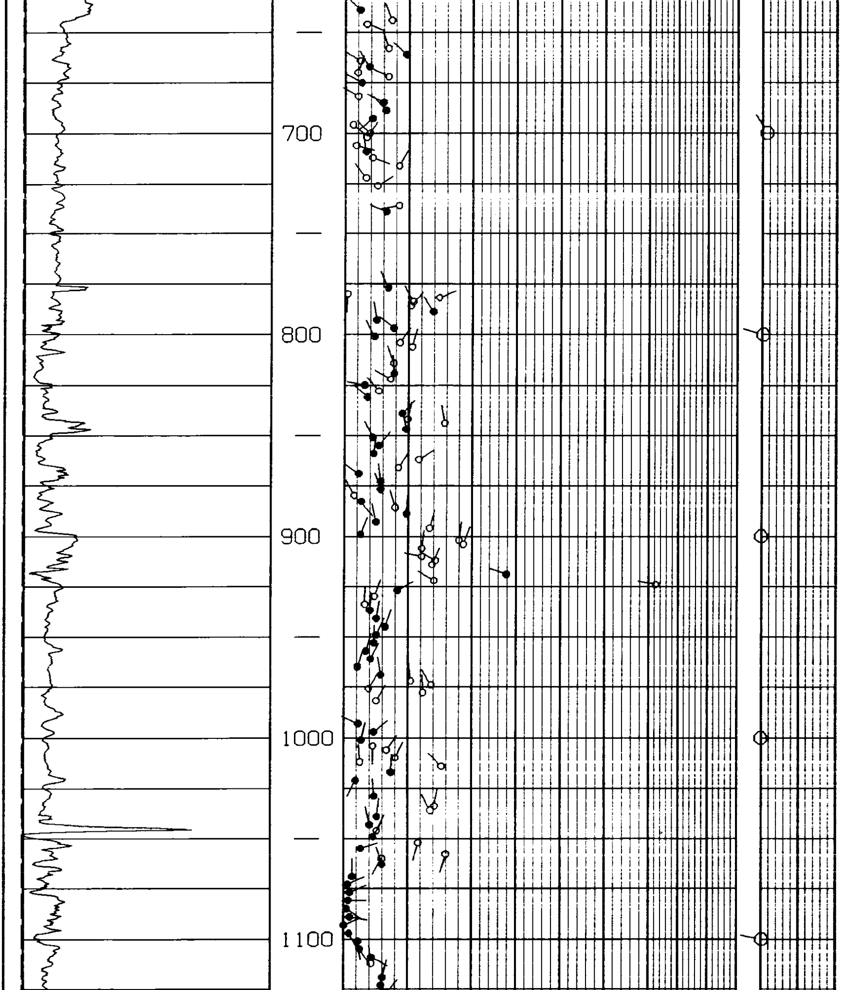
STEP LENGTH 2 FT.

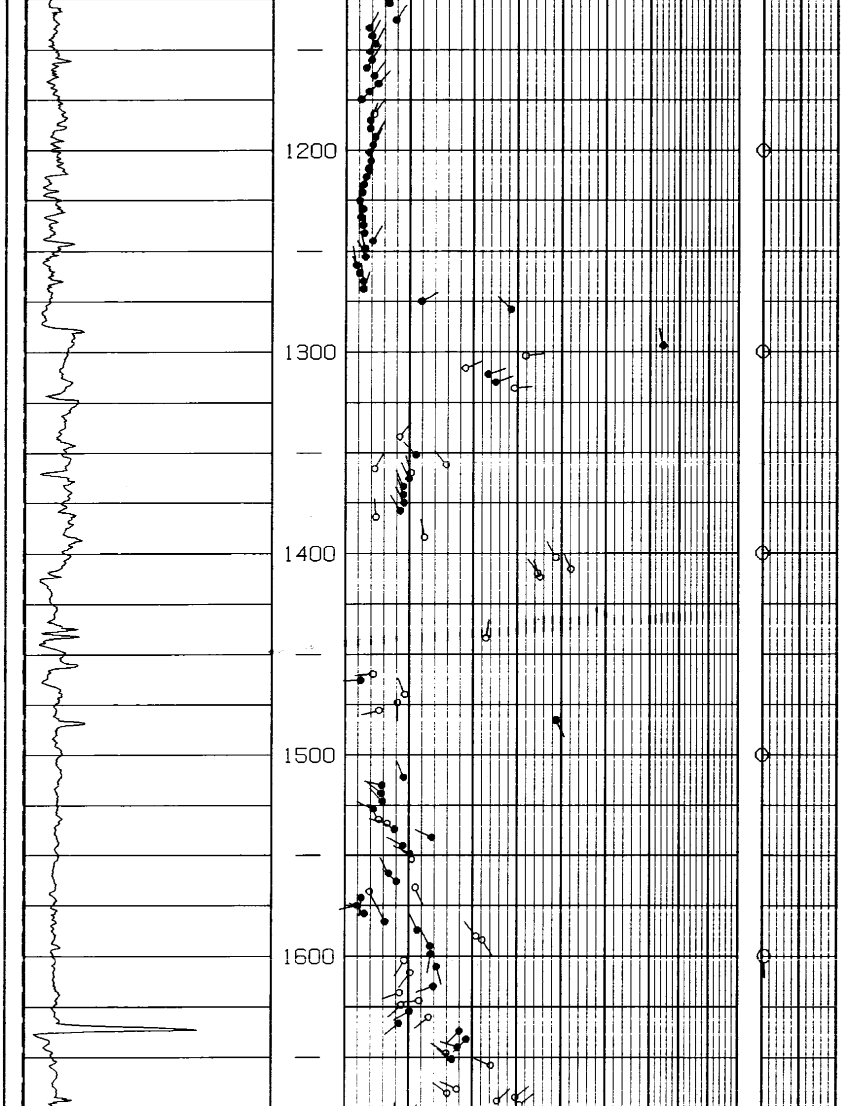
SEARCH ANGLE 70 DEGREES X1 .

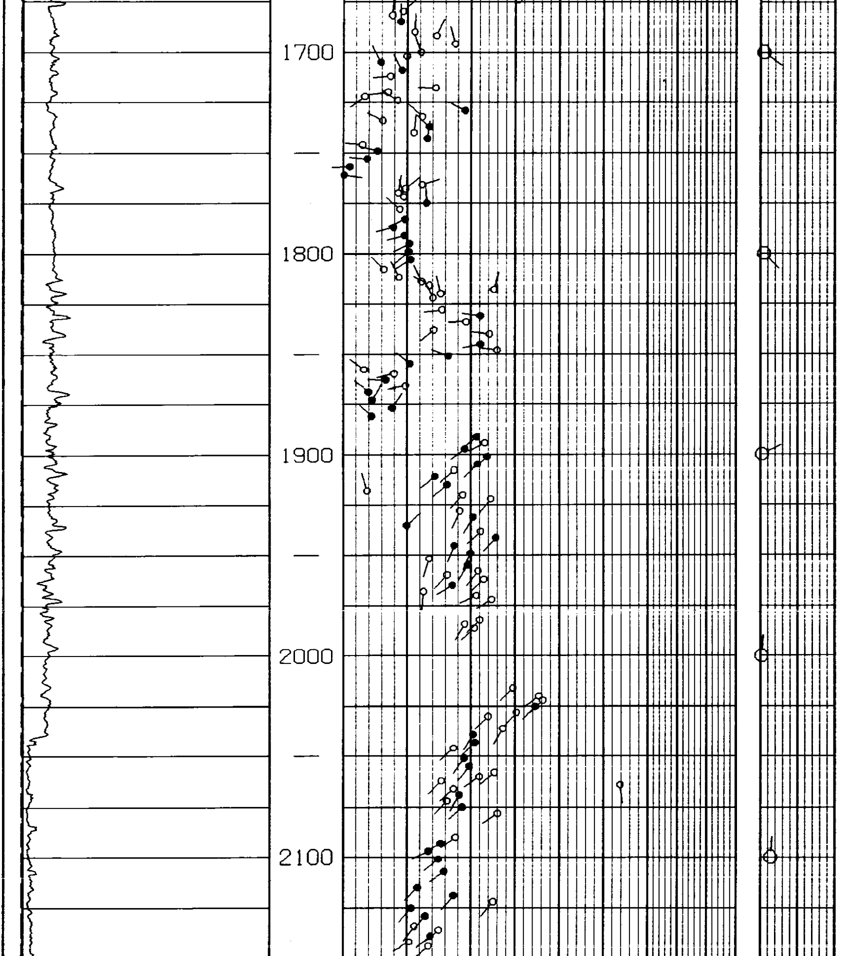
PC0130023518307001020420

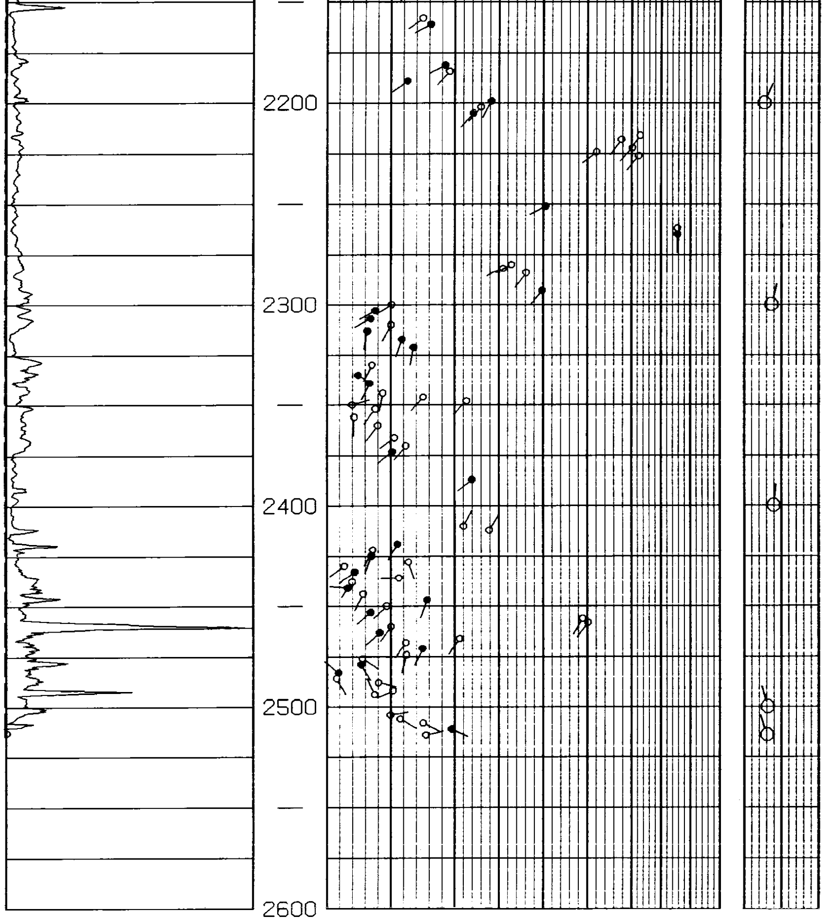
ZONE FROM 533 TO 2514











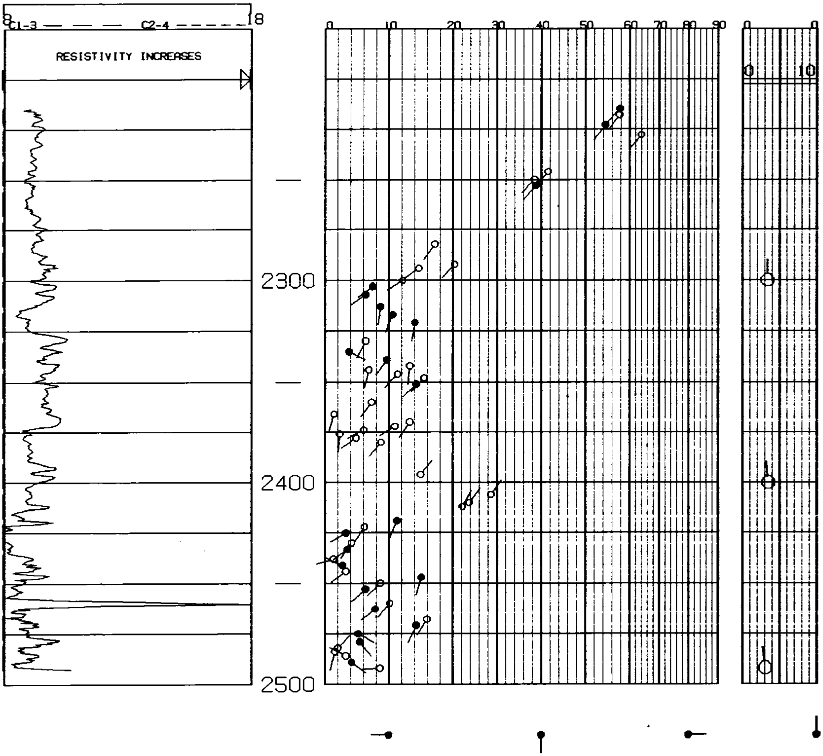
ZONE FROM 2215 TO 2492

CORRELATION CURVE
CALIPERS

DEPTHS

DIP ANGLE AND DIRECTION

BOREHOLE
DRIFT



USER: 6737 23-SEP-1982 21:36:02.40

USER: 6737 23-SEP-1982 21:36:02.40

ALL QUALITY ARROW PLOT 6737

FROM THE CLUSTER PROGRAM

BLACK ARROWS ARE HIGHEST QUALITY

CORRELATION LENGTH 4 FT.

STEP LENGTH 2 FT.

SEARCH ANGLE 70 DEGREES X1

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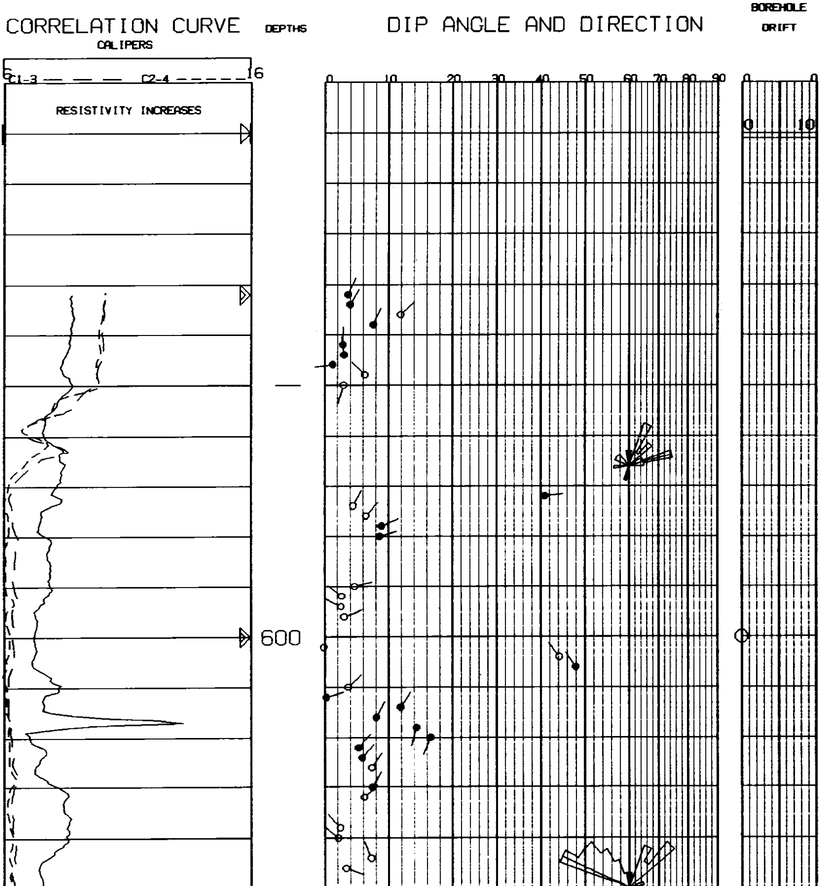
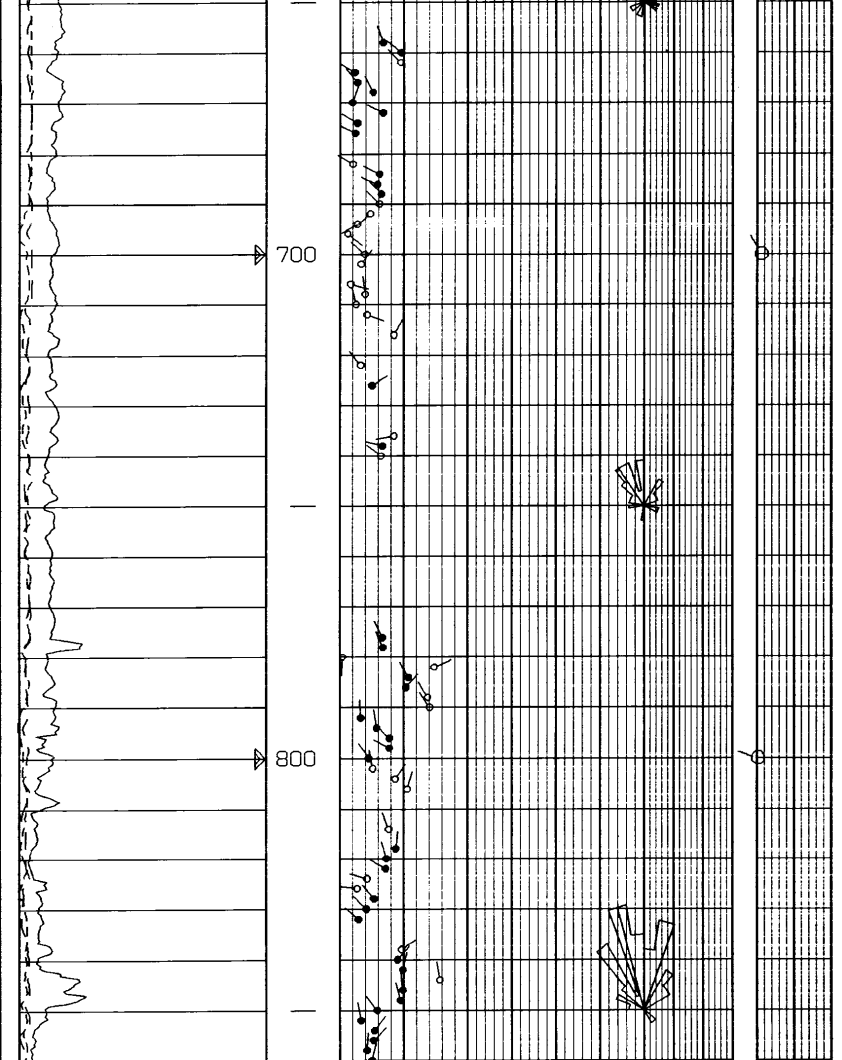
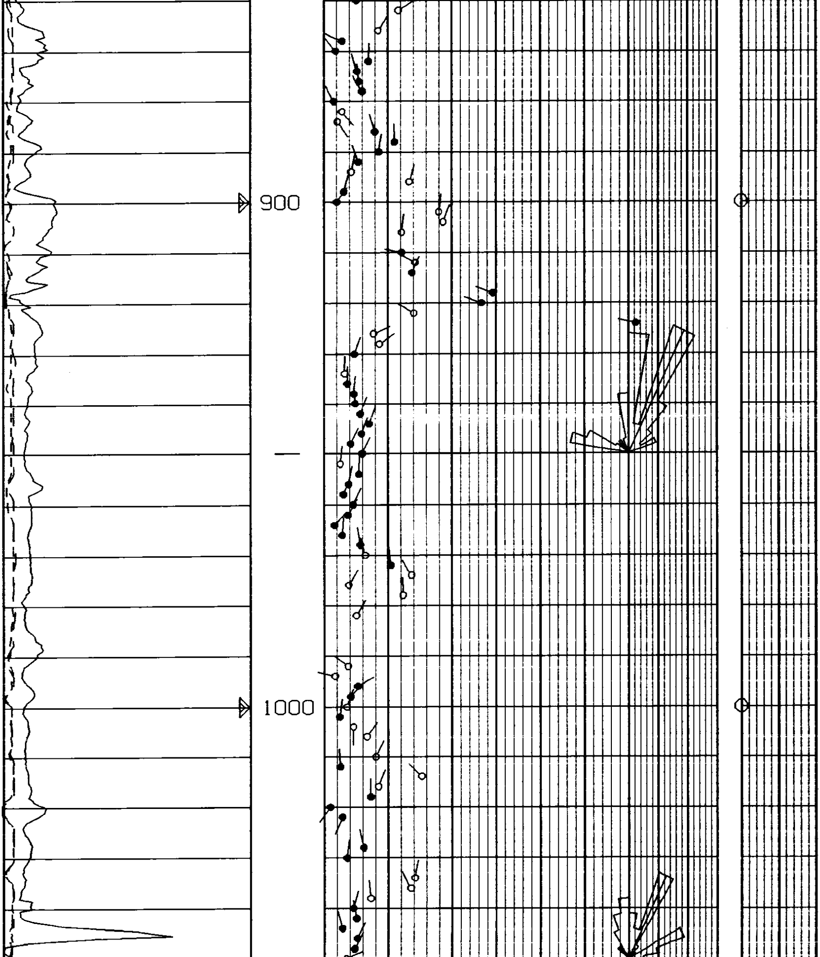
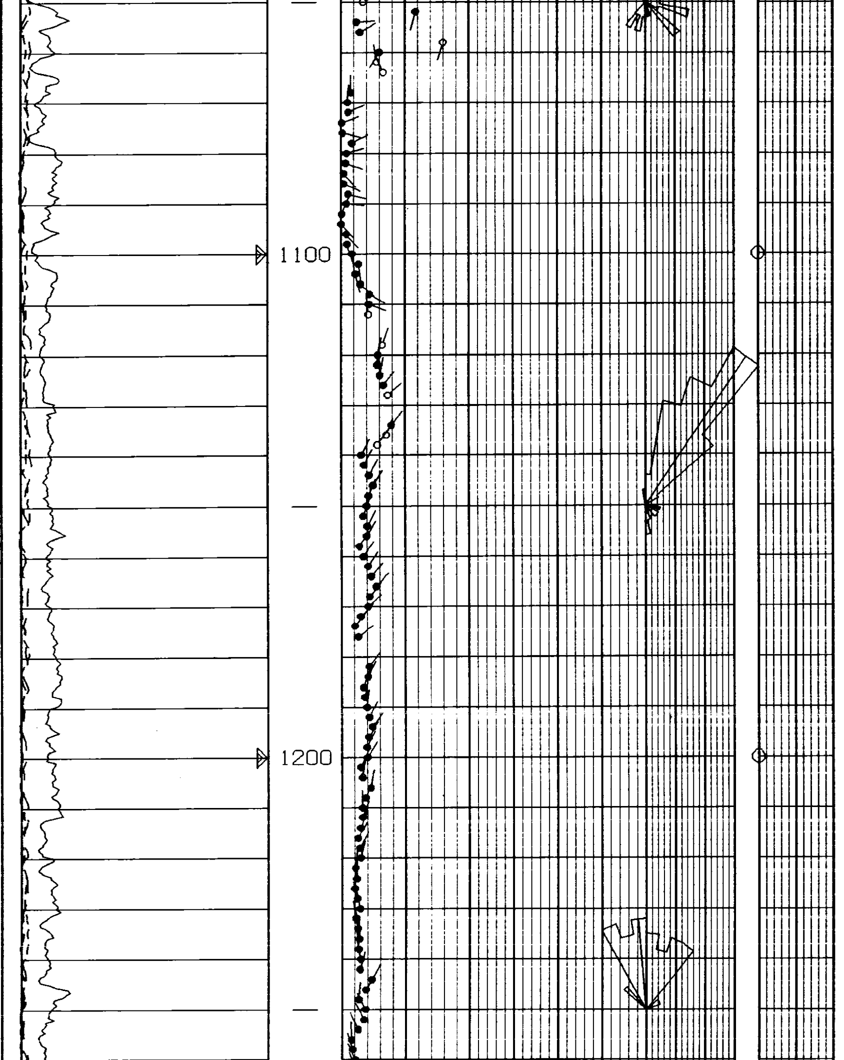
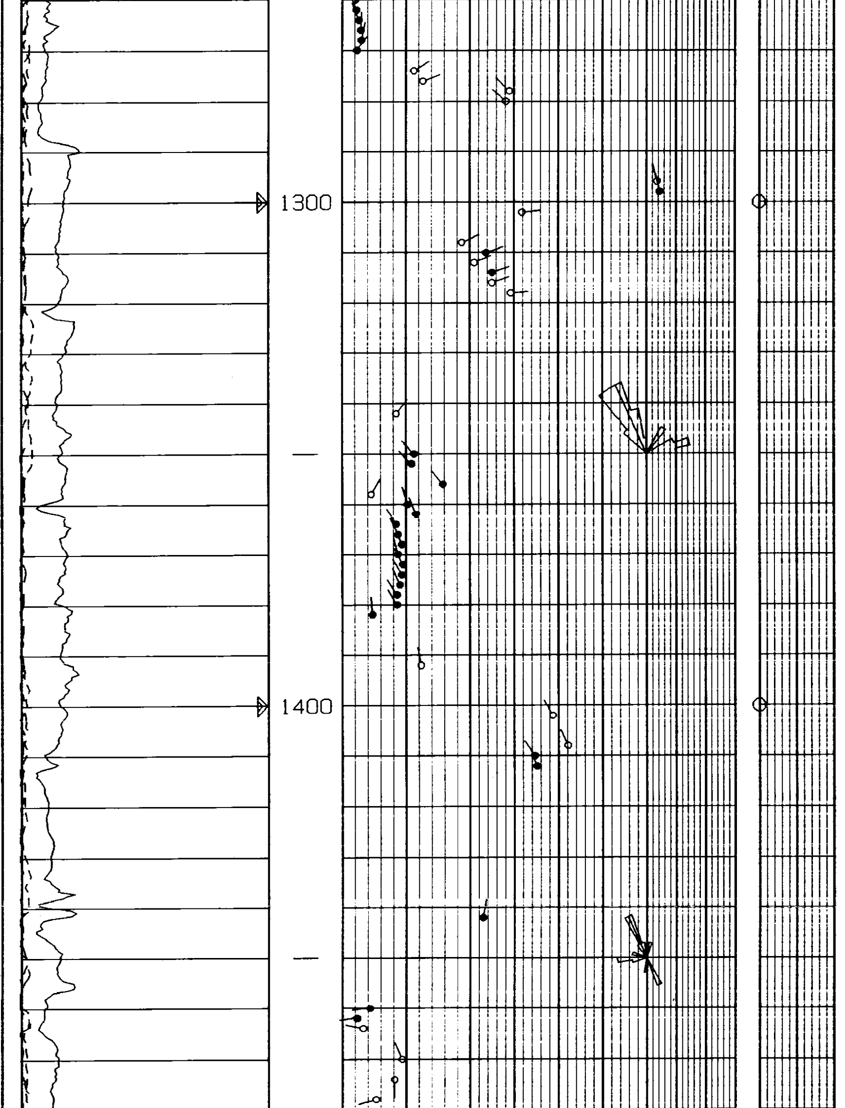
ZONE FROM 532 TO 2534

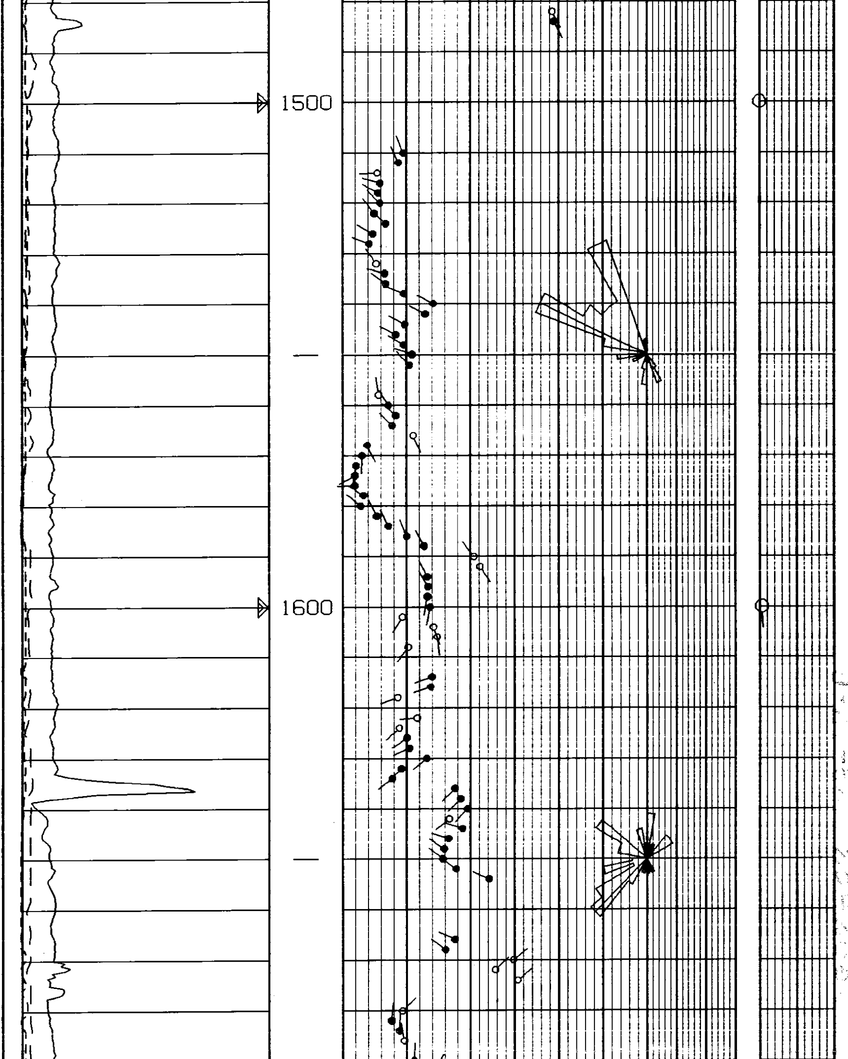


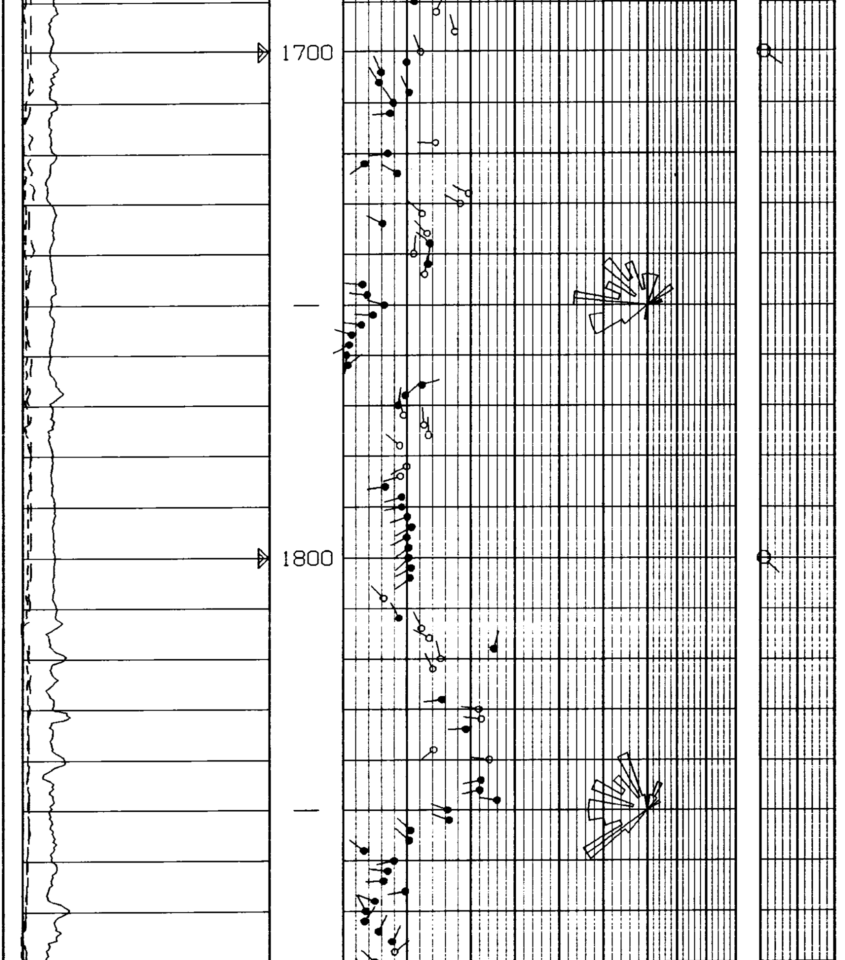


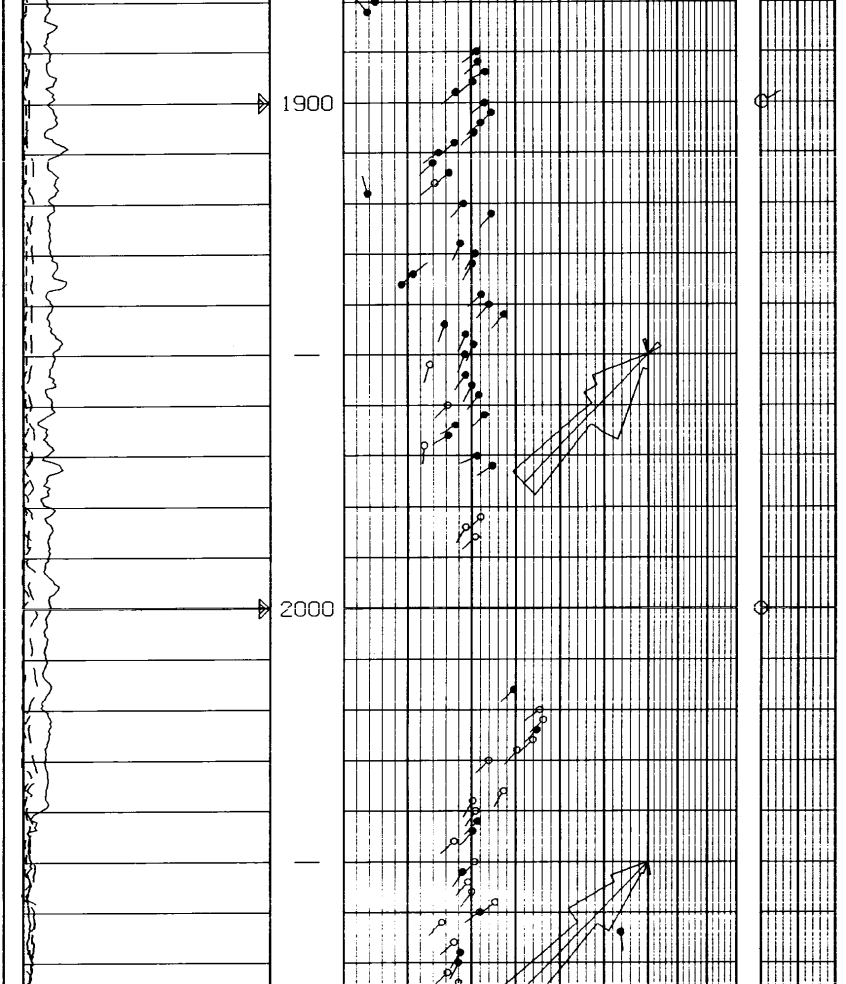


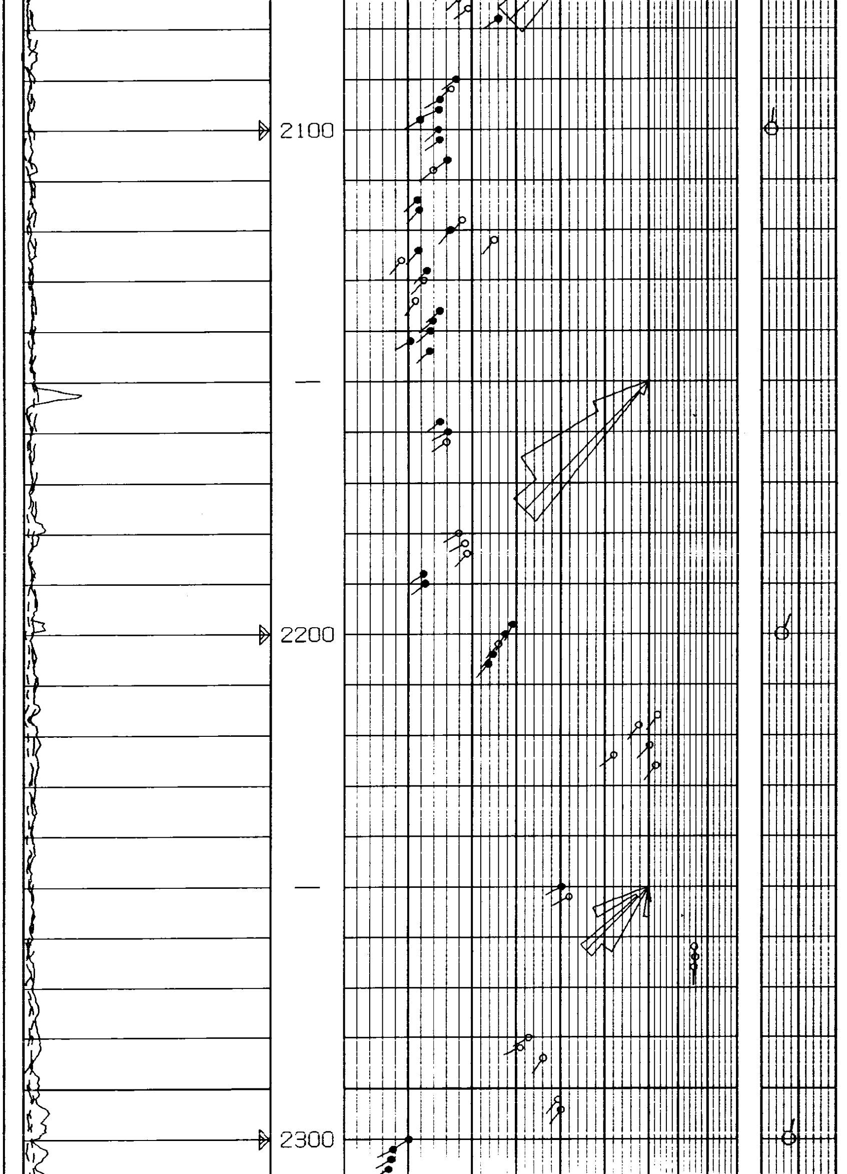


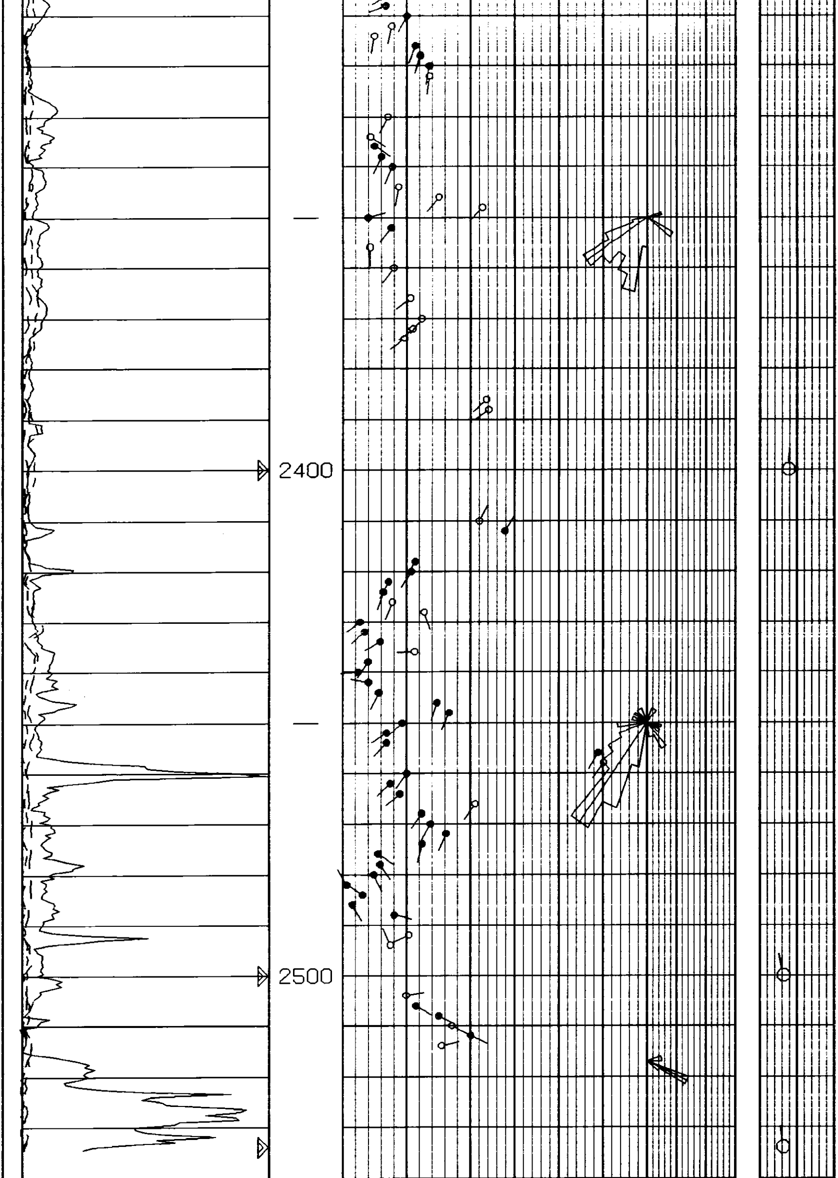


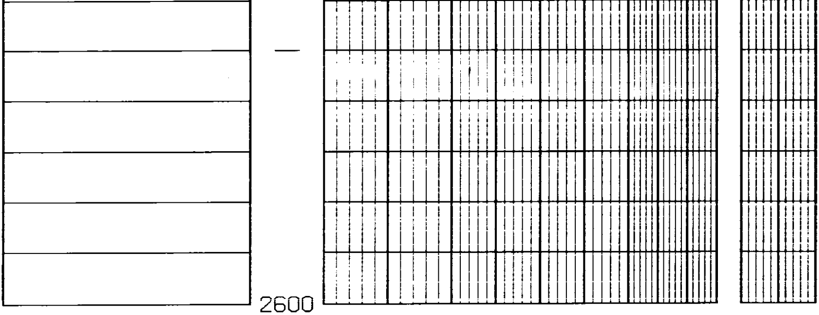












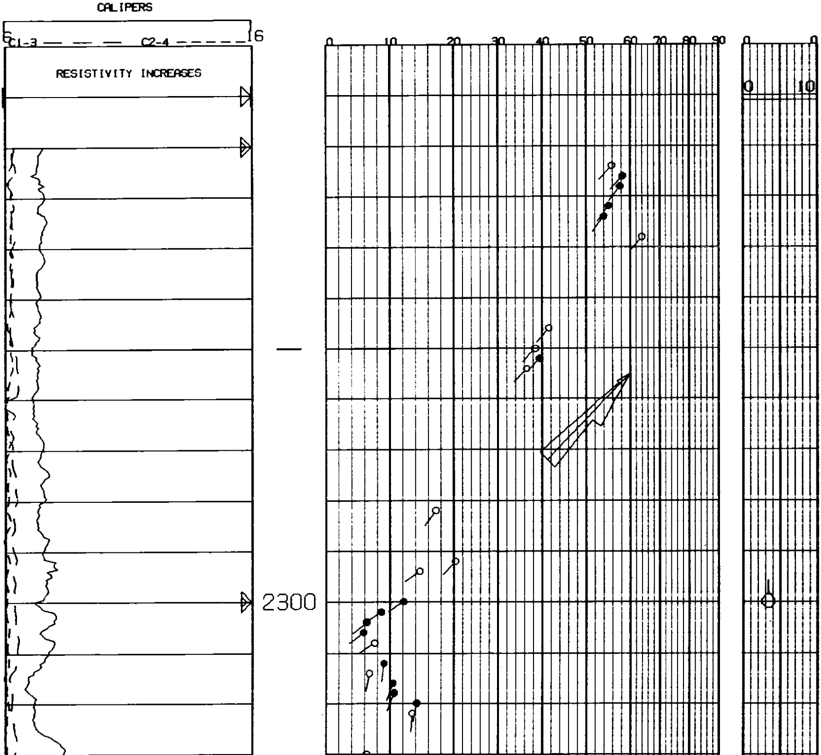
ZONE FROM 2210 TO 2532

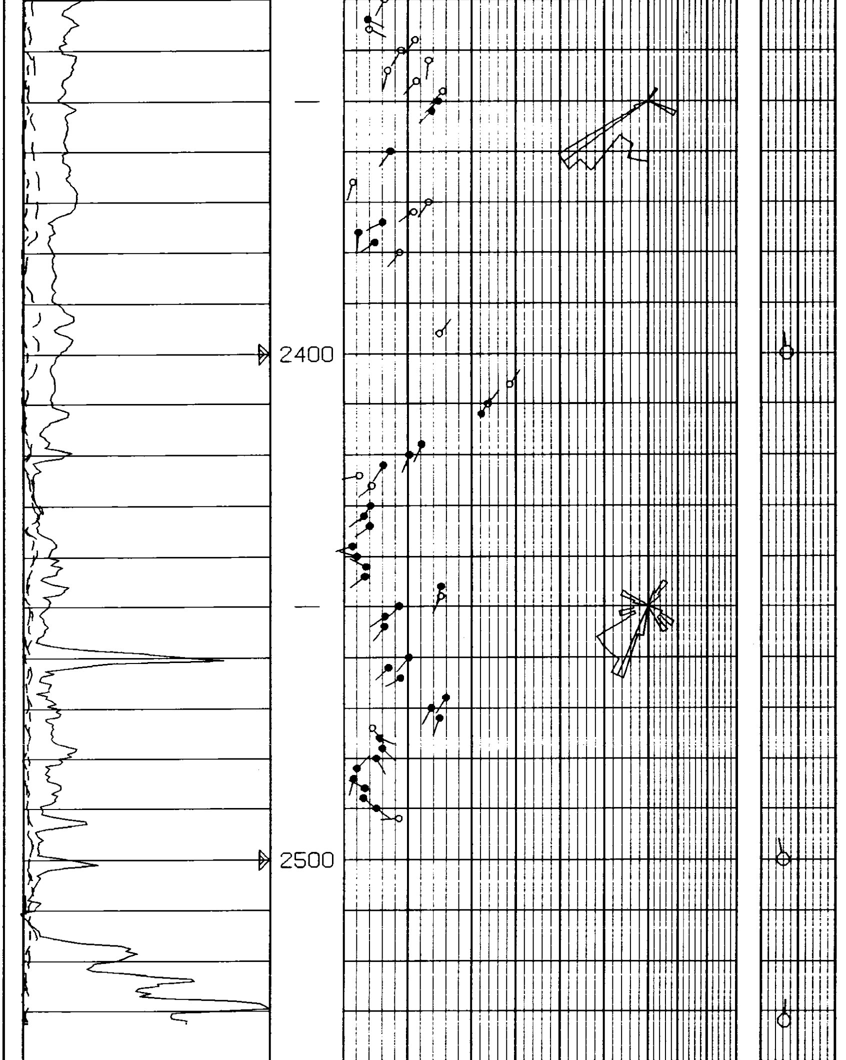
CORRELATION CURVE

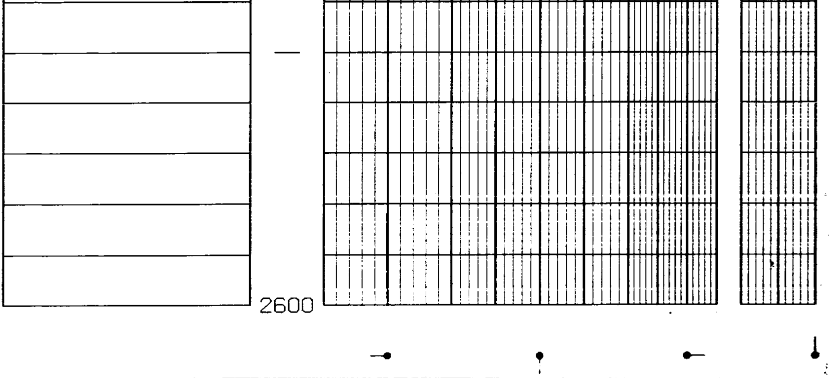
DEPTHS

DIP ANGLE AND DIRECTION

BOREHOLE DRIFT







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

COMPANY REICHHOLD ENERGY CORP.

WELL ADAMS 34-28

FIELD MIST

COUNTY COLUMBIA **STATE** OREGON

Rm 1.410 @ 78 °F
Rmf 1.690 @ 59 °F
Rmc 1.980 @ 64 °F
BHT 98 °F

SCHL. FR 2548.
SCHL. TD 2549.
DRLR TD 2572.
Elev:
KB 1207.
DF N/A
GL 1195.