Western Atlas International
A Litton/Dresser Company
Atlas Wireline Services

Computed
4-ARM Diplog

FILE NO. HLAC 12735.0
API NO.

COMPANY OREGON NATURAL GAS CORP.
WELL IW 22D-10
FIELD MIST
COUNTY COLUMBIA STATE OREGON

LOCATION:
285 N. & 2516' E.
OF W/4 COR.
SEC 10 TWP 6N RGE 5W

Other Services
DIFL/SP
BHC/AC
CDL/CN/GR

Permanent Datum GL Elev. 783.3
Log Measured from KB , 11.5 Ft Above Permanent Datum
Drilling Measured from KB

Elev.
KB 798.8
DF
GL 787.3

Date	08/22/88	08/28/88		
Run No.	1	2		
Service Order	159041	159044		
Depth - Driller	2117.0	2770.0		
Depth - Logger	2106.0	2762.0		
Bottom Logged Interval	2104.0	2760.0		
Top Logged Interval	450.0	2100.0		
Casing - Driller	13.38 @ 452	8.63 @ 2106	@	@
Casing - Logger	450.0	2100.0		
Bit Size	12.250	7.625		
Type Fluid in Hole	GEL/DRISPAC	GEL/LIGNA		
Density and Viscosity	9.7 40.0	9.4 38.0		
pH and Fluid Loss	10.0 7.3cc	11.1 6.4cc	cc	cc
Source of Sample	FLOW	FLOW		
Rm @ Meas. Temp.	1.100 @ 70 F	1.250 @ 70 F	@ F	@ F
Rmf @ Meas. Temp.	0.850 @ 70 F	1.050 @ 70 F	@ F	@ F
Rmc @ Meas. Temp.	1.550 @ 70 F	1.800 @ 70 F	@ F	@ F
Source of Rmf and Rmc	M M	M M		
Rm @ BHT	0.710 @ 108 F	0.780 @ 112 F	@ F	@ F
Time Since Circ.	6.00	6.00		
Max. Rec. Temperature	108 F	112 F	F	F
Equip. No. and Location	6406 SACR	6406 SACR		
Recorded By:	M. HINDS	M. HINDS		
Witnessed By:	MR. THOMAS	MR. MEYER & THOMAS		

FOLD HERE

In making interpretations of logs our employees will give Customer the benefit of their best judgment, but since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or the correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the Customer resulting from any interpretation made by any of our employees.

Remarks: DIPLOG PLOT 1
INTERVAL PROCESSED RUN 1: FILE 4: 501 - 2104 SEARCH LENGTH=8" WINDOW LENGTH=8' STEP LENGTH=2'
INTERVAL PROCESSED RUN 2: FILE 5: 2104 - 2769 SEARCH LENGTH=8" WINDOW LENGHT=8' STEP LENGTH=2'
DIPLOG PLOT 2
INTERVAL PROCESSED RUN 1: FILE 4: 1651 - 2104 SEARCH LENGTH=48" WINDOW LENGTH=8' STEP LENGTH=2'
INTERVAL PROCESSED RUN 2: FILE 5: 2104 - 2769 SEARCH LENGTH=48" WINDOW LENGTH=8' STEP LENGTH=2'

EQUIPMENT DATA

	RUN NO. 1	RUN NO. 2	RUN NO.	RUN NO.
Tool Series No.	1016	1016		
Tool Serial No.				
Orientation Type				
OR. Serial No.				
Panel Series No.				
Panel Serial No.				
Electronics No.				
Tape Unit Series No.				
Tape Unit Serial No.				
Processed By:	RAY	RAY	9/7/88	

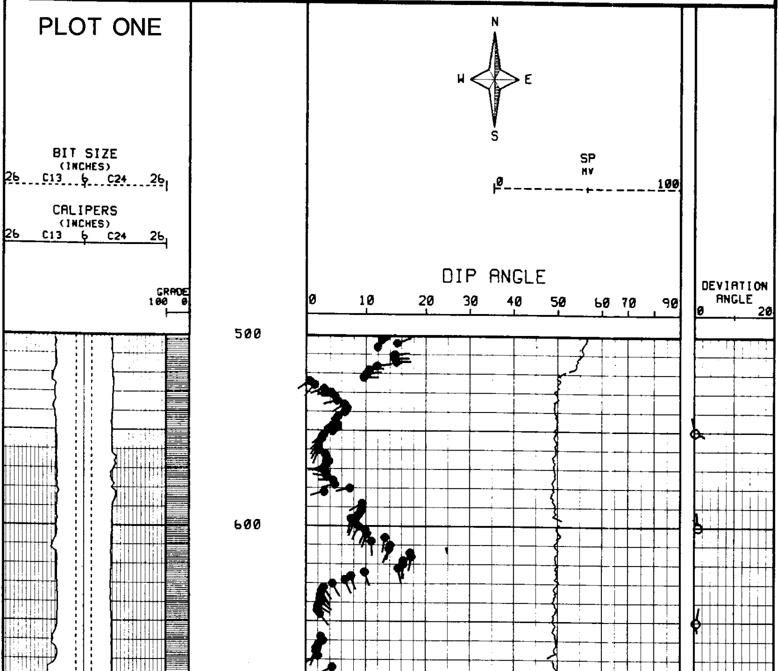
MAGNETIC DECLINATION 20 EAST

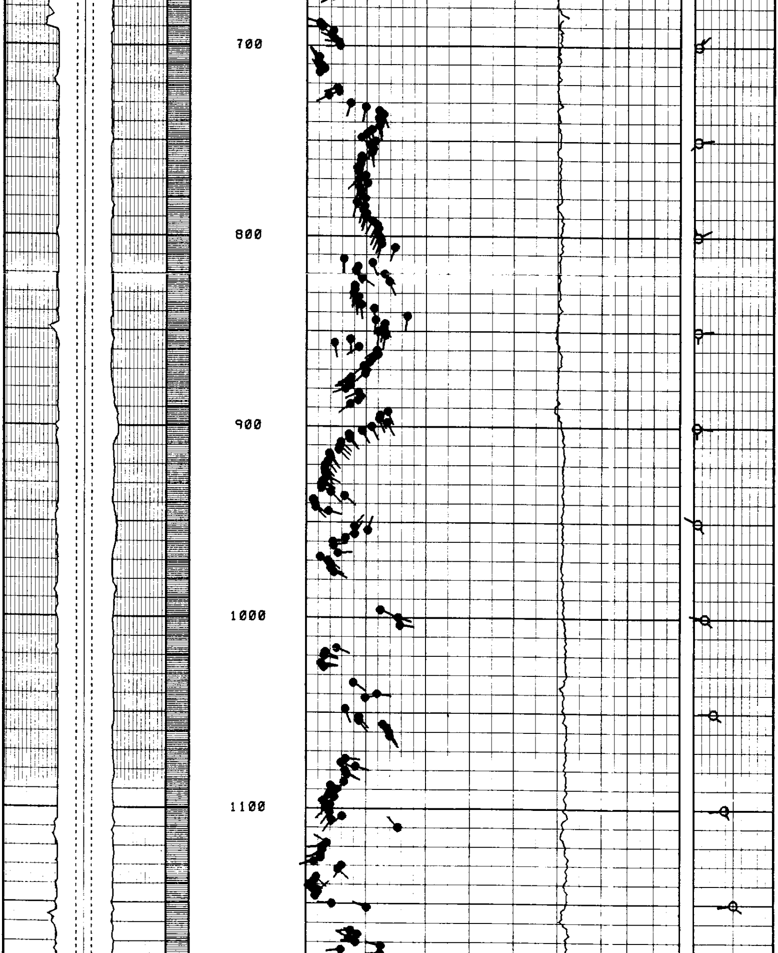
VERTICAL DISPLACEMENT FOR VARIOUS HORIZONTAL DISTANCES AND ANGLES OF DIP

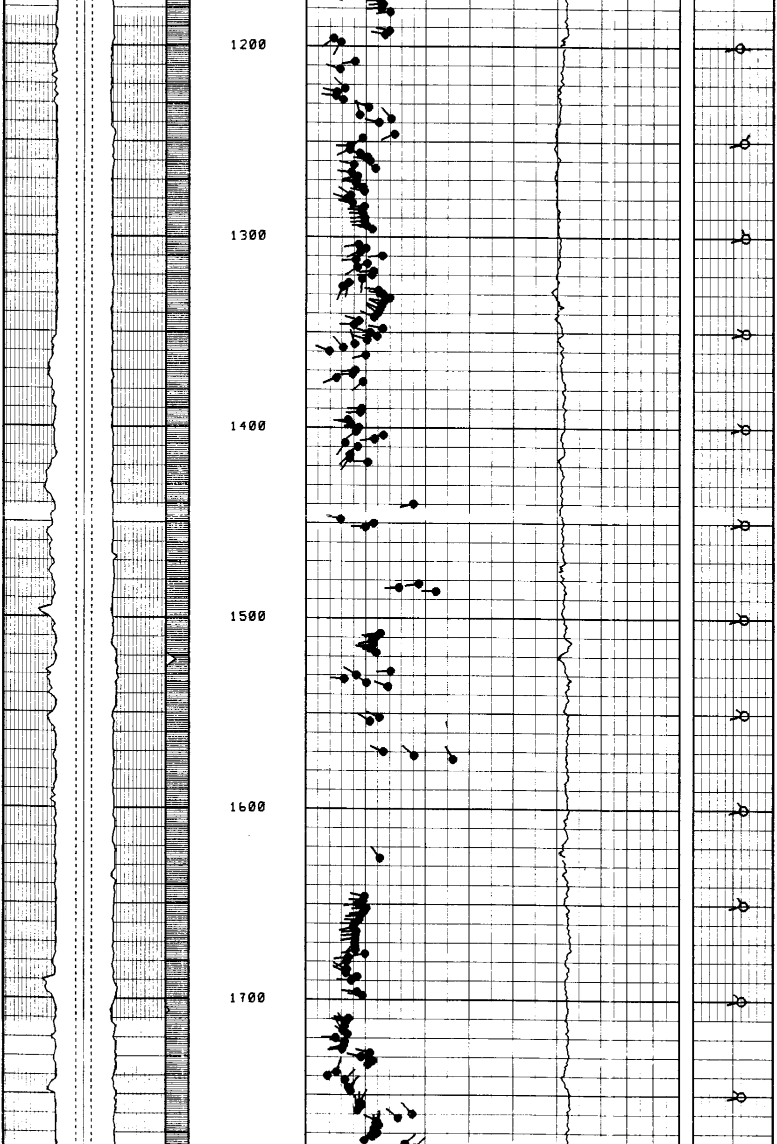
DIP In degrees	100	1000	5280	DIP In degrees	100	1000	5280
1	1.75	17.5	92.2	19	34.4	344	1818
2	3.50	35.0	184.0	20	36.4	364	1922
3	5.20	52.0	277.0	21	38.4	384	2022
4	7.00	70.0	369.0	22	40.4	404	2133
5	8.80	88.0	462.0	23	42.5	425	2241
6	10.50	105.0	555.0	24	44.5	445	2351
7	12.30	123.0	648.0	25	46.6	466	2462
8	14.10	141.0	742.0	30	57.7	577	3048
9	15.80	158.0	836.0	35	70.0	700	3697
10	17.60	176.0	931.0	40	83.9	839	4430
11	19.40	194.0	1026.0	45	100.0	1000	5280
12	21.30	213.0	1112.0	50	119.2	1192	6291
13	23.10	231.0	1219.0	55	142.8	1428	7500
14	24.90	249.0	1316.0	60	173.2	1732	9145
15	26.80	268.0	1415.0	65	214.4	2144	11323
16	28.70	287.0	1514.0	70	274.8	2748	14507
17	30.60	306.0	1614.0	75	373.2	3732	19705
18	32.50	325.0	1716.0	80	567.1	5671	29945

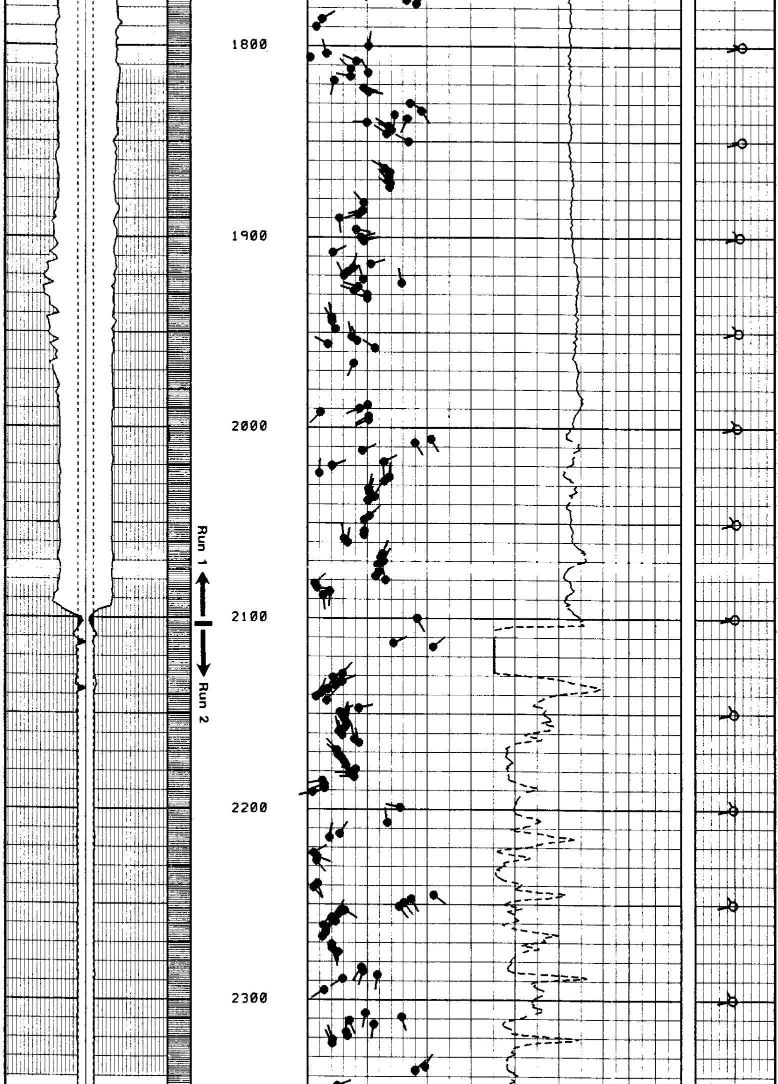
GRAPHIC PRESENTATION

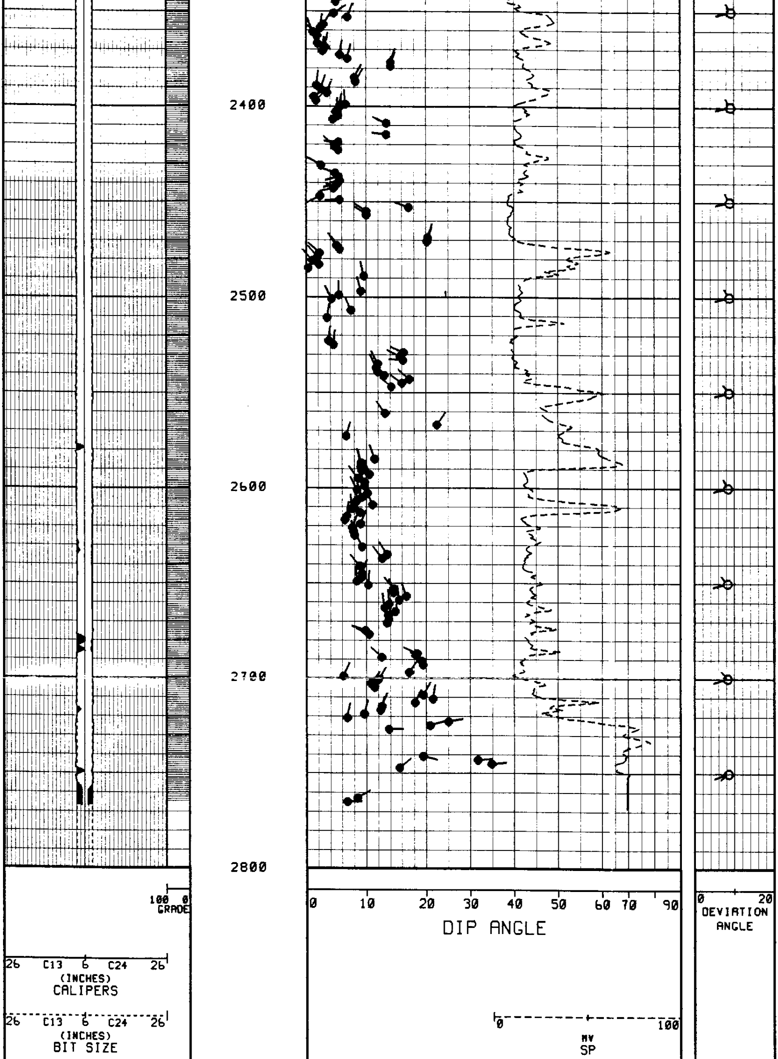
FAIR ○— EXCELLENT ●—

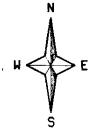












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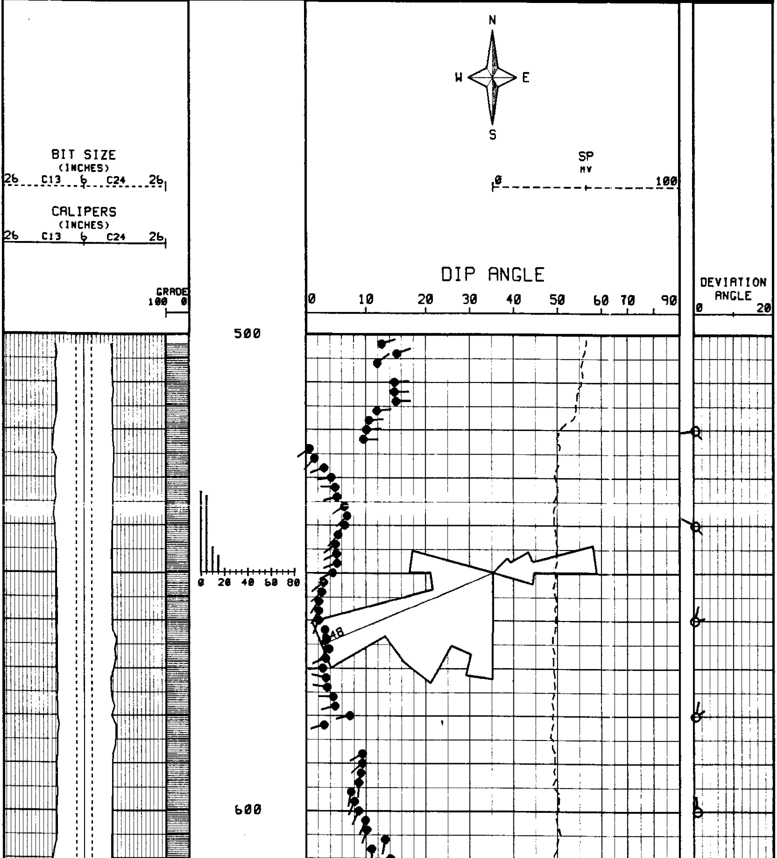
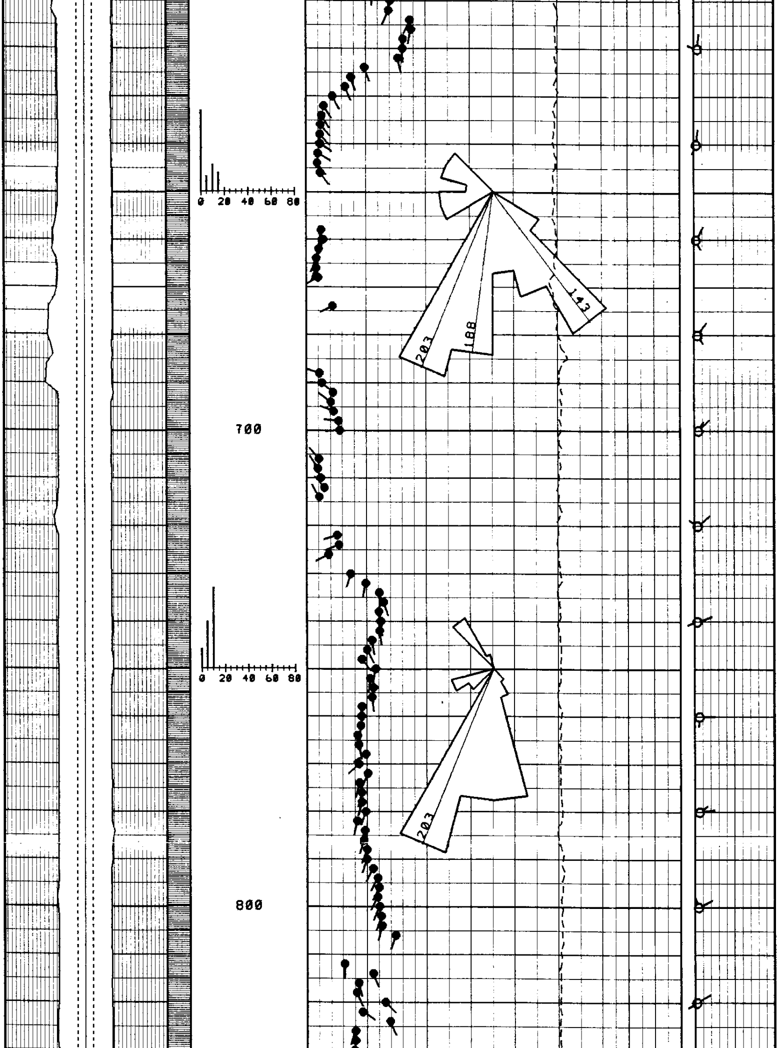
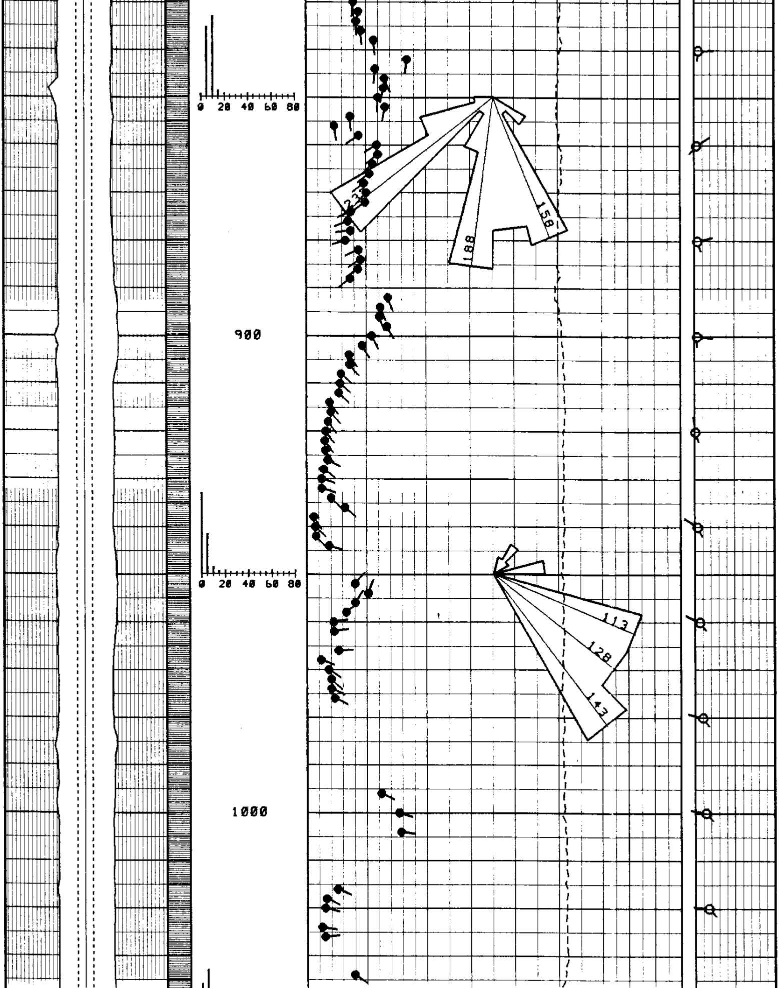
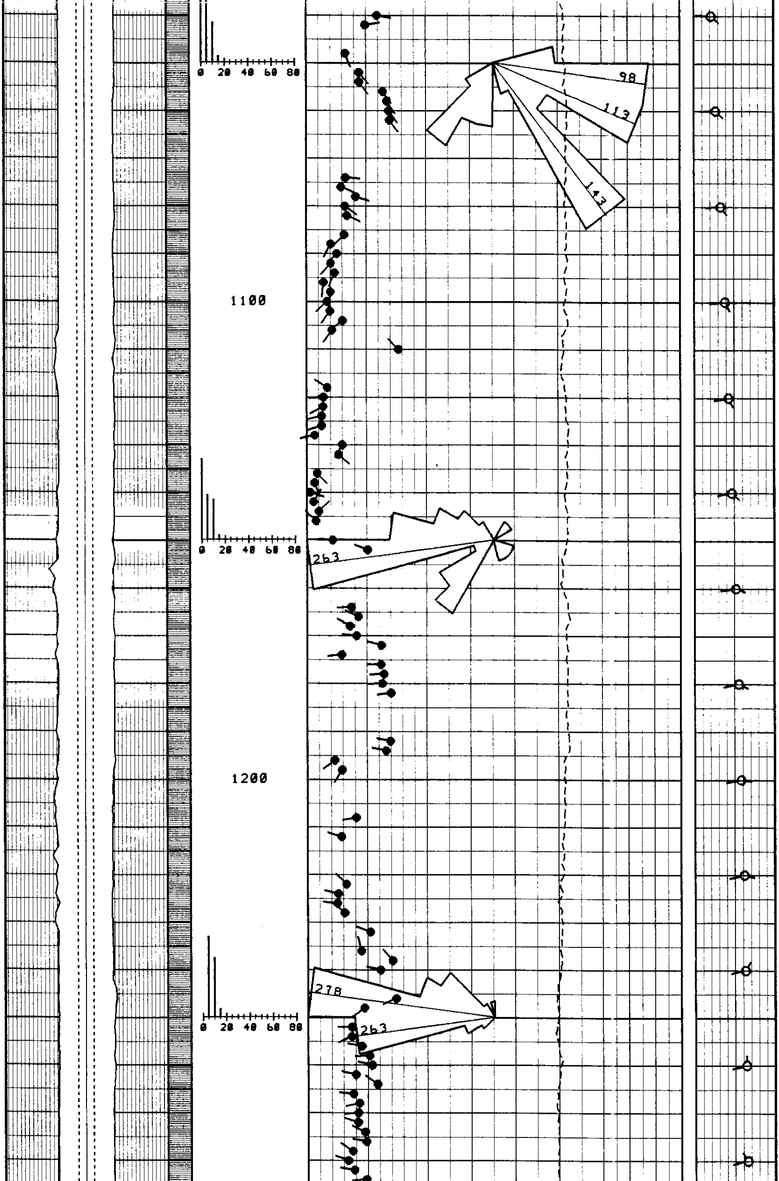
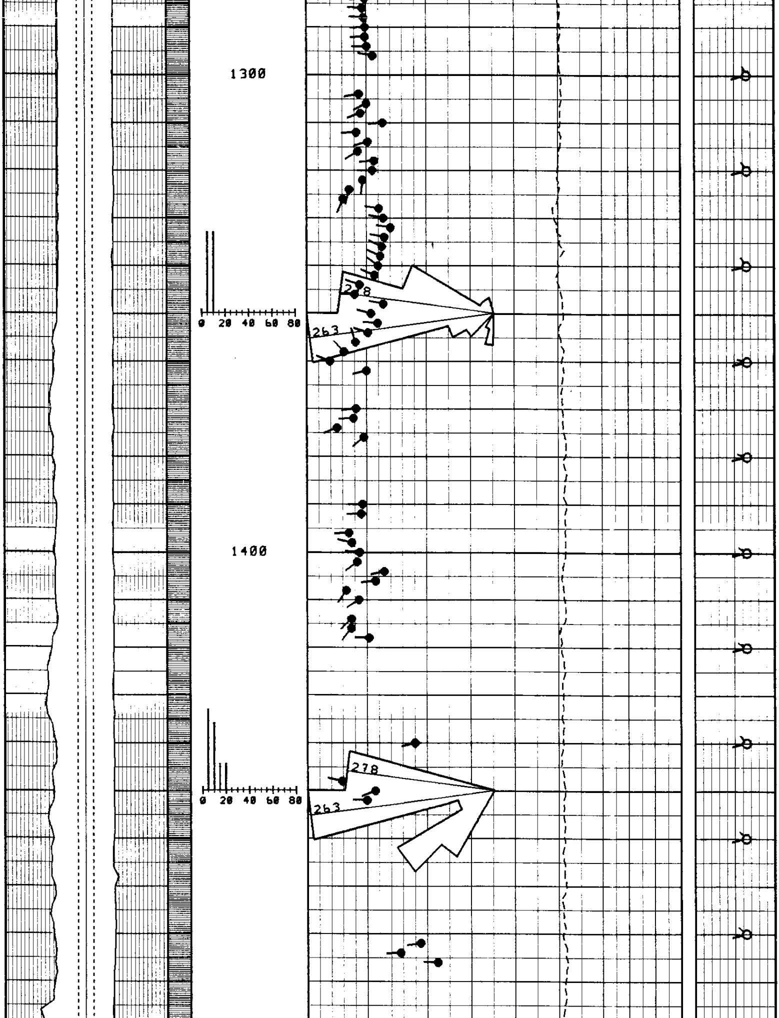
State	OREGON	K.B. 798.8 DF.	G.L. 787.3

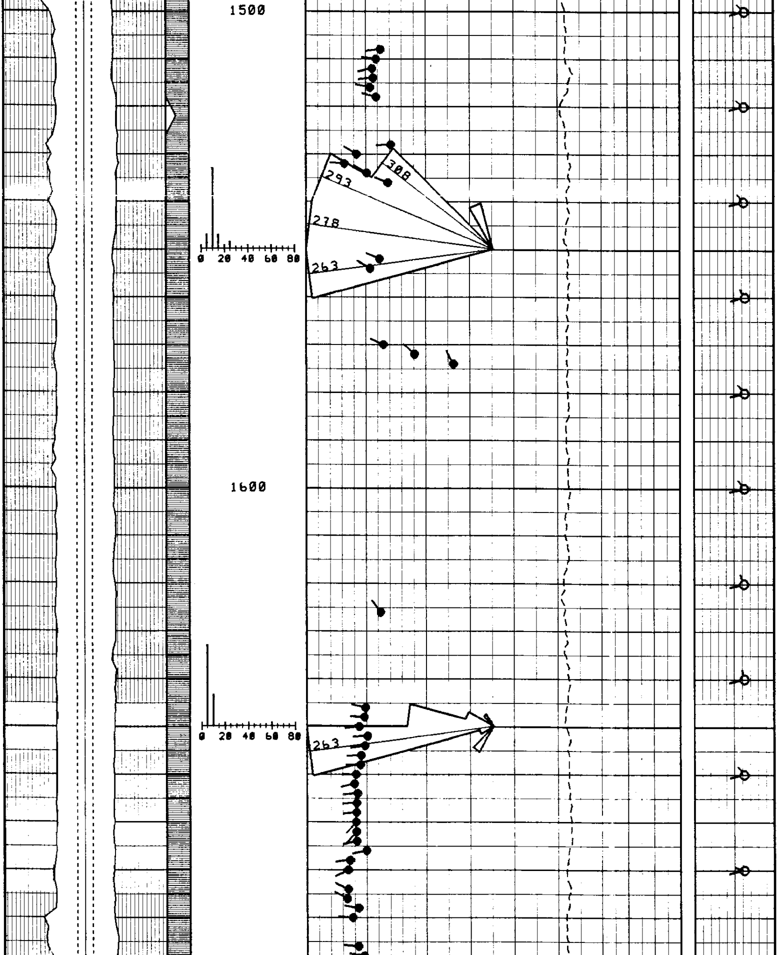


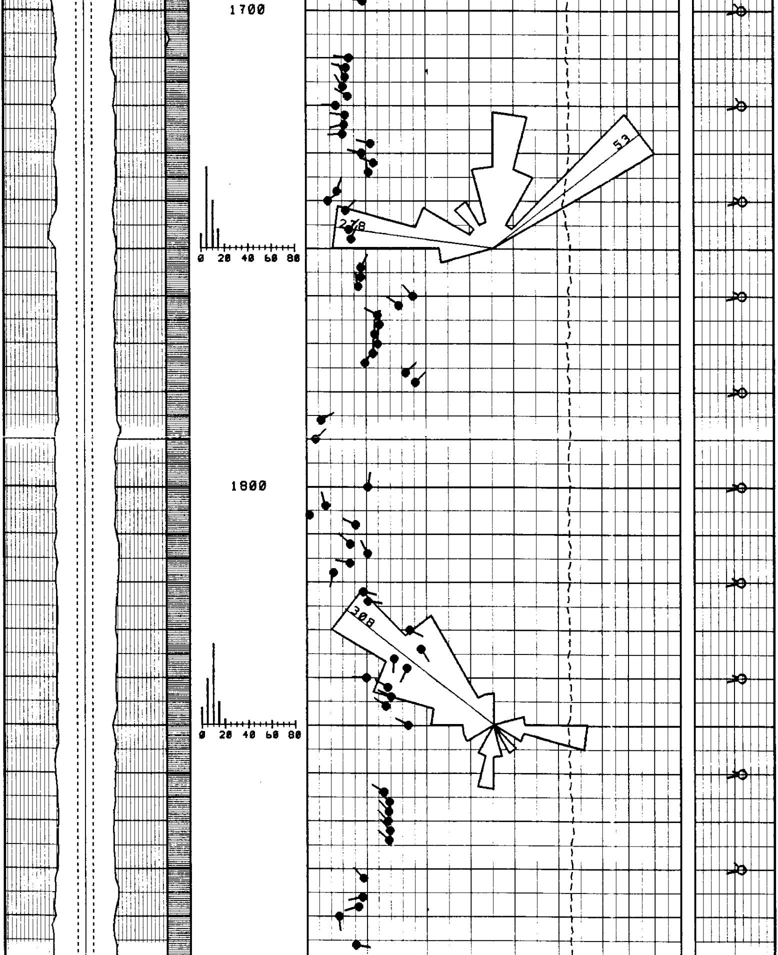


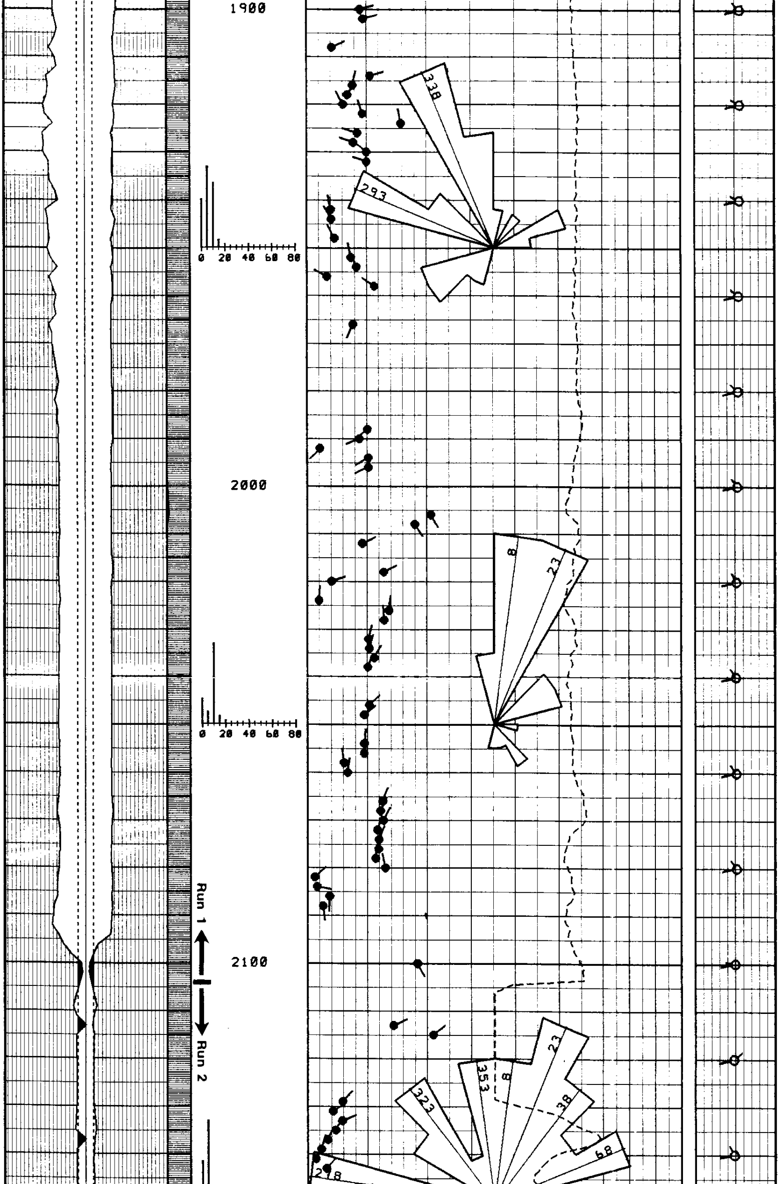


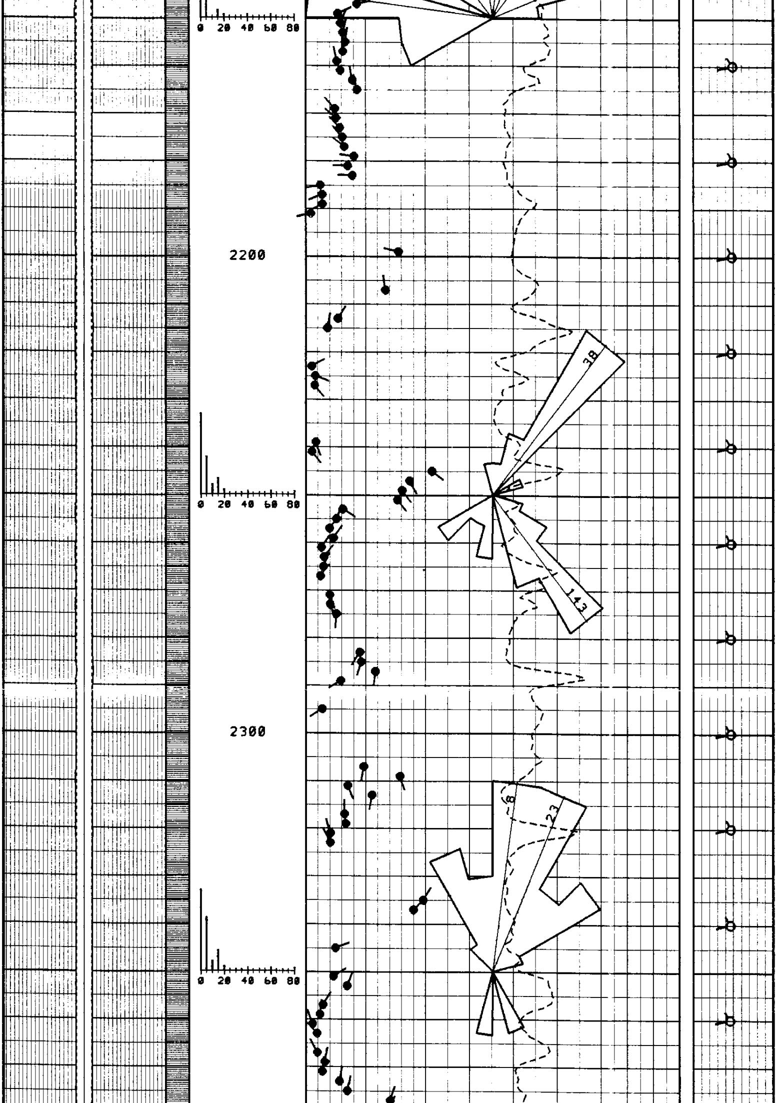


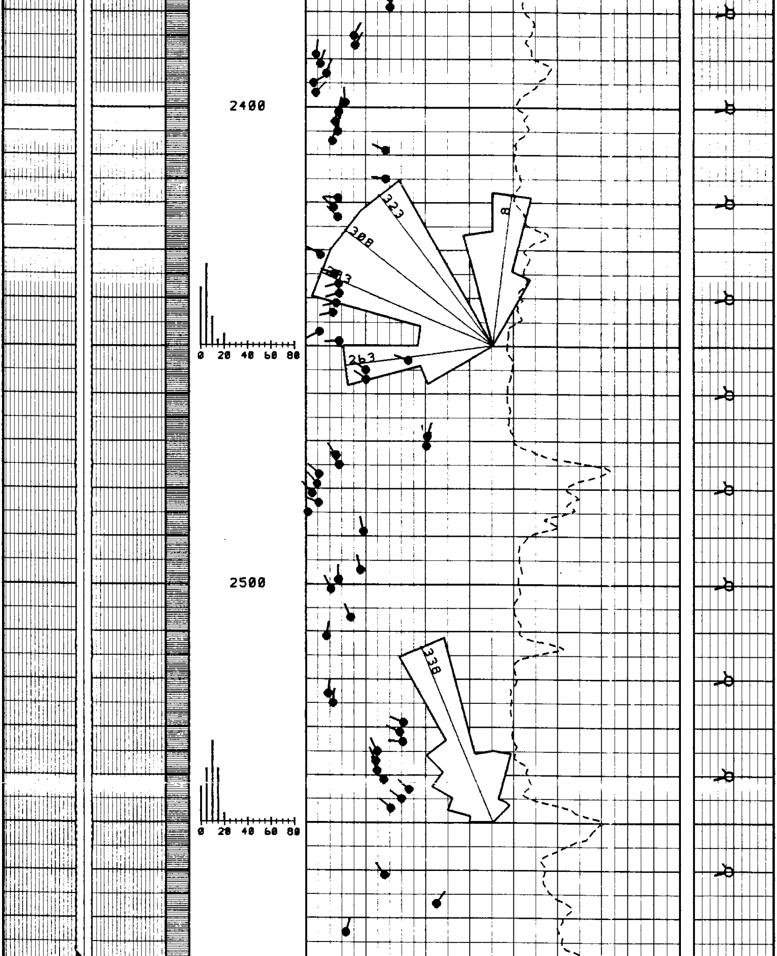


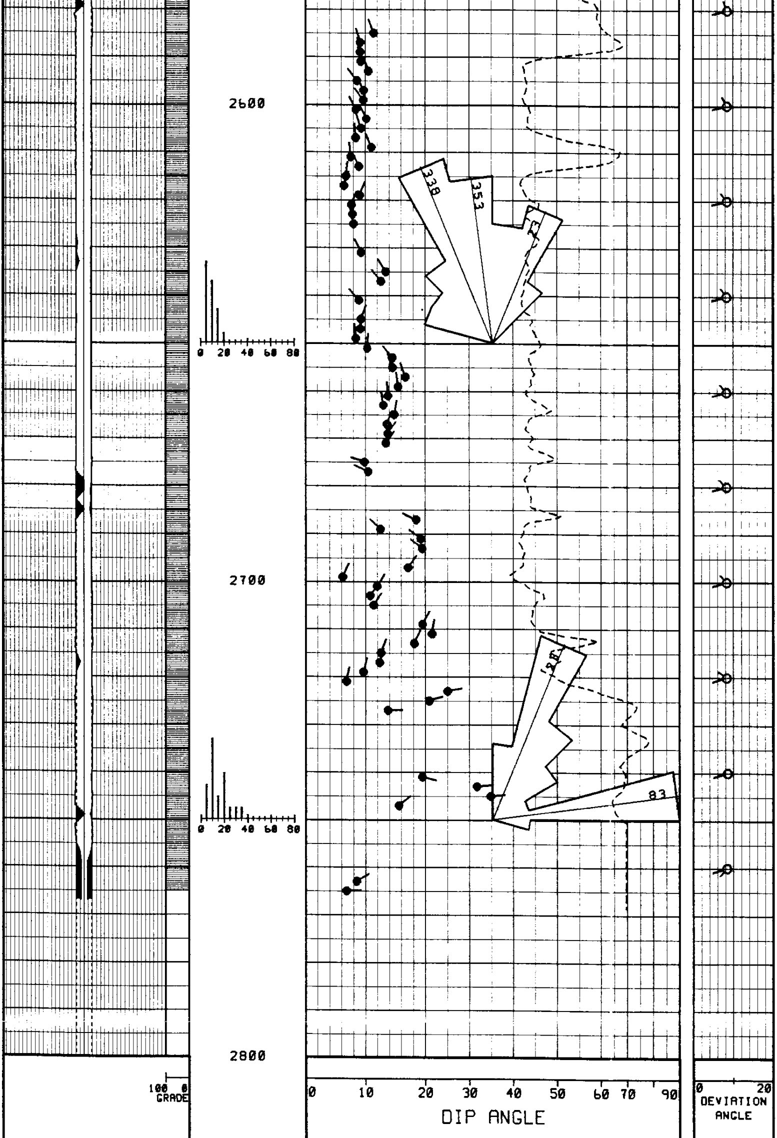


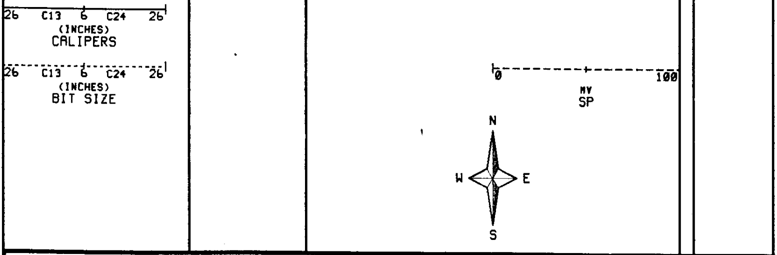












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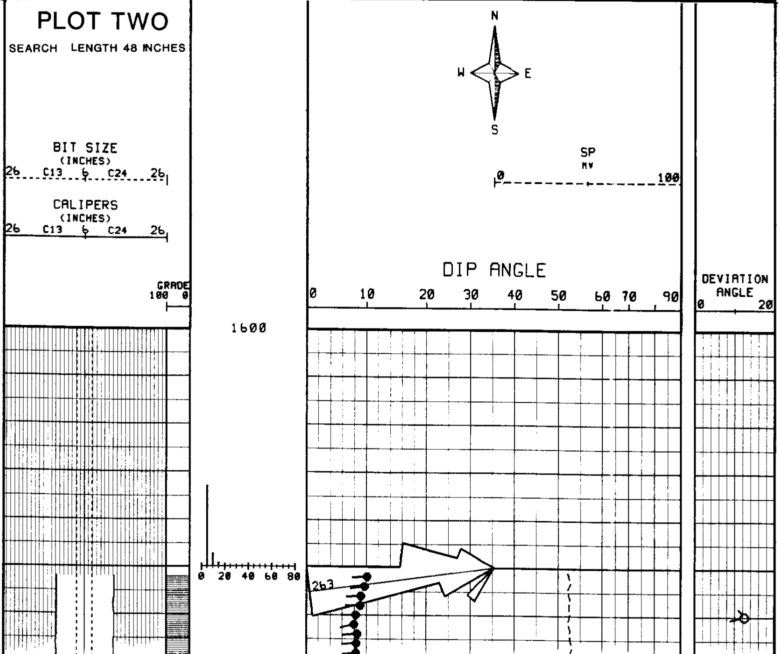
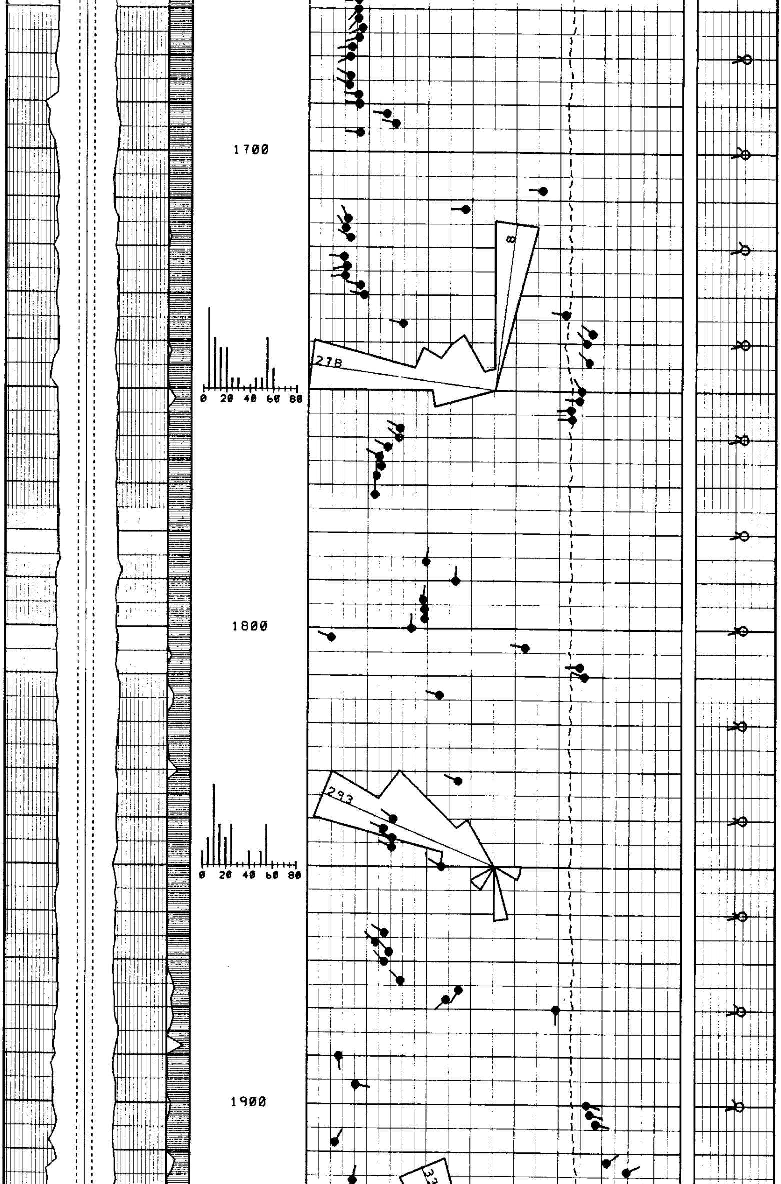
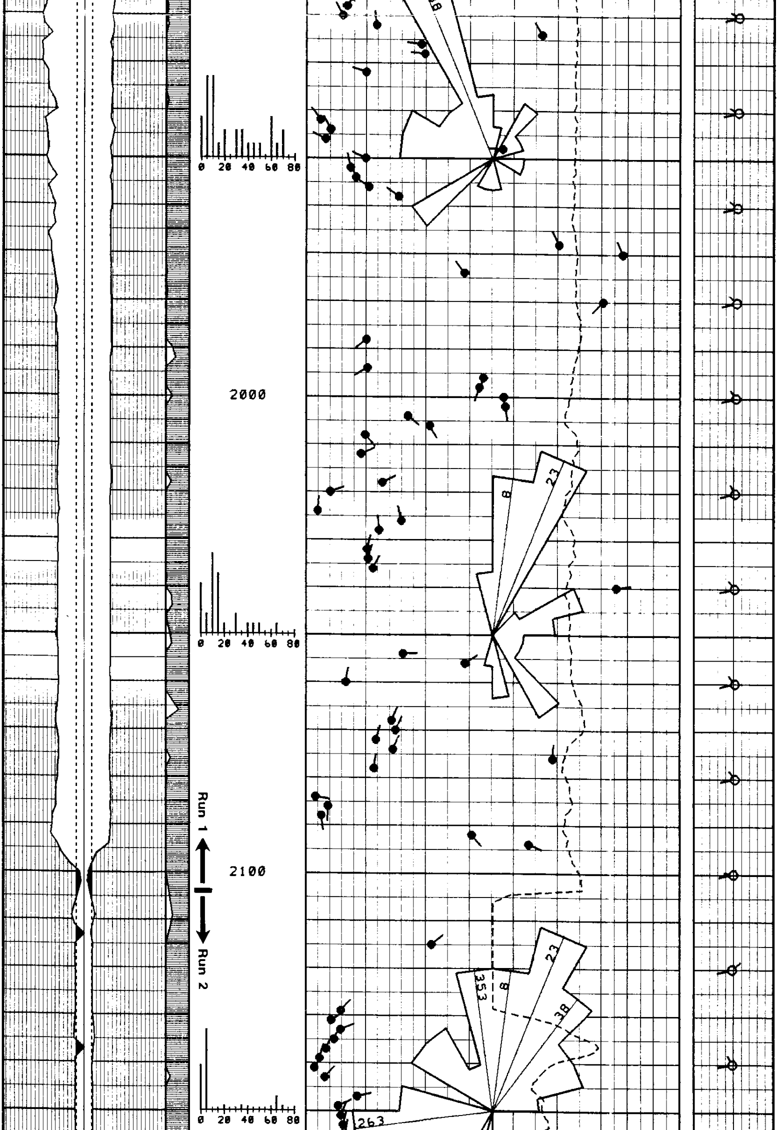
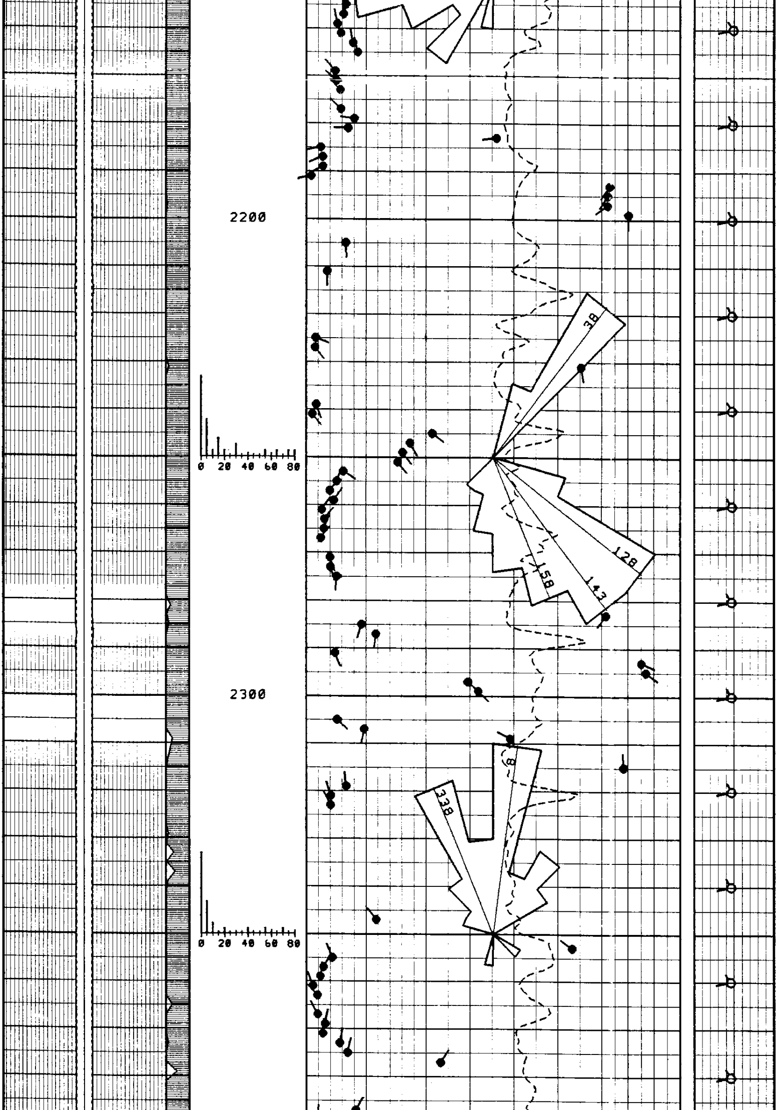
PLOT TWO

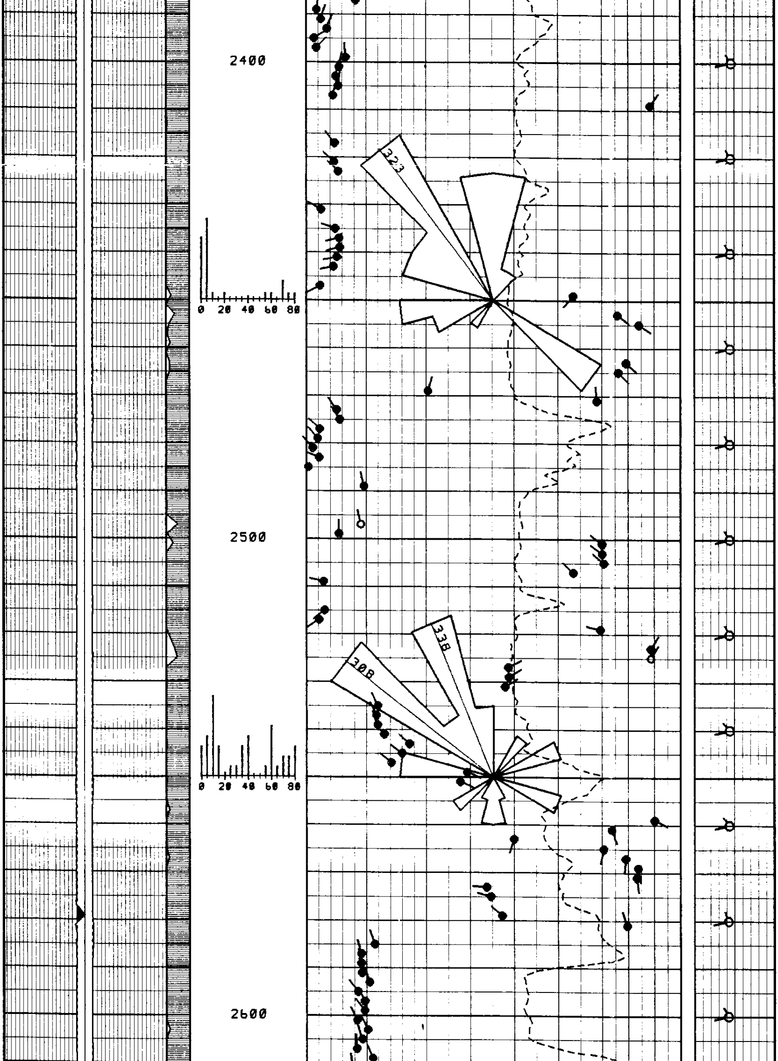
SEARCH LENGTH 48 INCHES

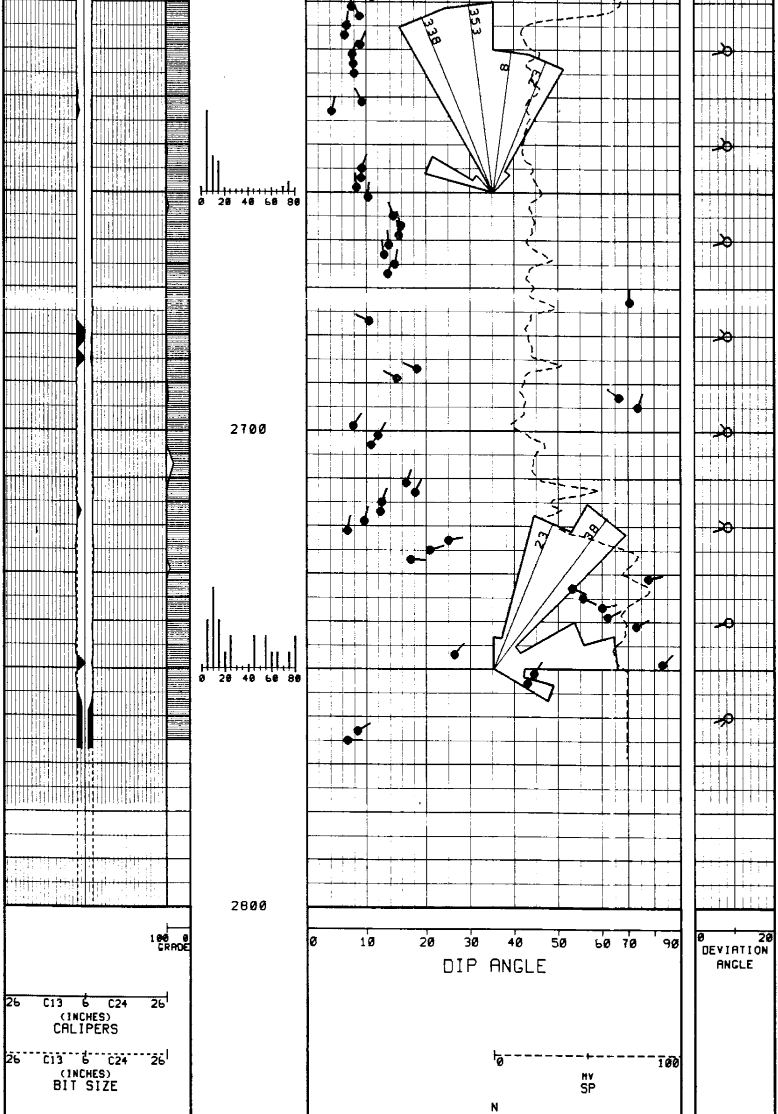












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