Schlumberger

COMPUTER PROCESSED LOG

RECEIVED-PTL
FEB 24 1982

COMPANY AMERICAN QUASAR PETROLEUM
WELL WOLVERTON 13-31
FIELD JEFFERSON (EAST ALBANY)
COUNTY MARION STATE OREGON
LOCATION 1100'S & 1800'W
ELEVATION KB 245 DF — GL 234 API NO.

Schlumberger Cyberdip

WELLSITE COMPUTATION

A CSU* Service

Date	9/28/81			
Run No.	ONE	Dipmeter		
Depth—Driller	4555			
Depth—Logger	45			
Btm. Log Interval	45			
Top Log Interval	893			
Casing—Driller	8 7/8 @ 895	@	@	@
Casing Logger	893			
Bit Size	7 7/8			
Type Fluid in Hole	DRISPAC/KCL			
Dens. | Visc.	11.6 | 181			
pH | Fluid Loss	8.0 | 4.2 ml	ml	ml	ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	.483 @ 86 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.368 @ 63 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	1.19 @ 68 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M			
Rm @ BHT	.362 @ 117 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	1000			
TIME Logger on Bottom	2400			
Max. Rec. Temp.	117 °F	°F	°F	°F
Equip. | Location	8128 | SAC			
Recorded By	S. MAYER			
Witnessed By	K. MANN			

SWS 2773

* A MARK OF SCHLUMBERGER

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

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule. *A mark of Schlumberger.

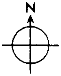
TABLE OF VERTICAL DISPLACEMENT IN FEET CORRESPONDING TO VARIOUS HORIZONTAL DISTANCES AND ANGLES OF DIP

DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF 100'	1000'	1 mile (5280')
1	1.75	17.5	92.2
2	3.5	35.	184.
3	5.2	52.	277.
4	7.0	70.	369.
5	8.8	88.	462.
6	10.5	105.	555.
7	12.3	123.	648.
8	14.1	141.	742.
9	15.8	158.	836.
10	17.6	176.	931.
11	19.4	194.	1026.
12	21.3	213.	1122.
13	23.1	231.	1219.
14	24.9	249.	1316.
15	26.8	268.	1415.
16	28.7	287.	1514.
17	30.6	306.	1614.
18	32.5	325.	1716.

DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF 100'	1000'	1 mile (5280')
19	34.4	344.	1818.
20	36.4	364.	1922.
21	38.4	384.	2027.
22	40.4	404.	2133.
23	42.5	425.	2241.
24	44.5	445.	2351.
25	46.6	466.	2462.
30	57.7	577.	3048.
35	70.0	700.	3697.
40	83.9	839.	4430.
45	100.0	1000.	5280.
50	119.2	1192.	6293.
55	142.8	1428.	7540.
60	173.2	1732.	9145.
65	214.4	2144.	11323.
70	274.8	2748.	14507.
75	373.2	3732.	19705.
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.



GRAPHIC PRESENTATION

4 ARM CALIPER 1 - 3 PAIR 2 - 4 PAIR	DEPTHS	TRUE DIP ANGLE AND DIRECTION 0° 10° 20° 30° 40° 50° 60° 70° 80° 90°	DRIFT & DIRECTION OF SONDE 0°

PUM4(IN)		AH ( )
0.0 20.00		0.0 5.000
PUM3(IN)		PUM2(IN)
0.0 20.00		0.0 5.000
C2S (IN)		PUM1(IN)
0.0 20.00		0.0 5.000
C1S (IN)		
0.0 20.00		

FILE

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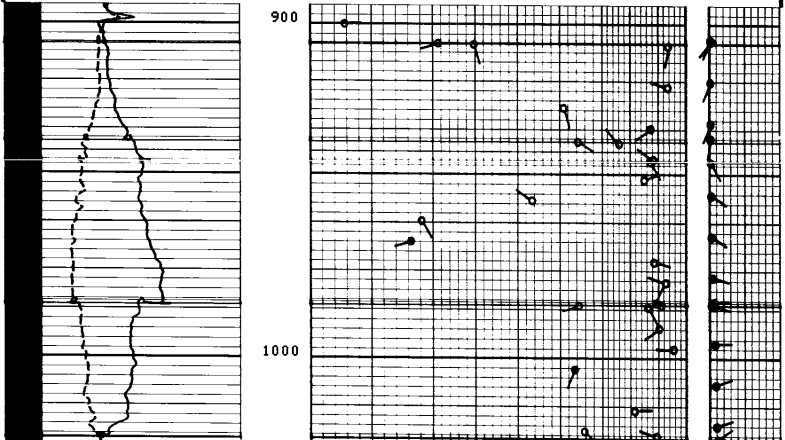

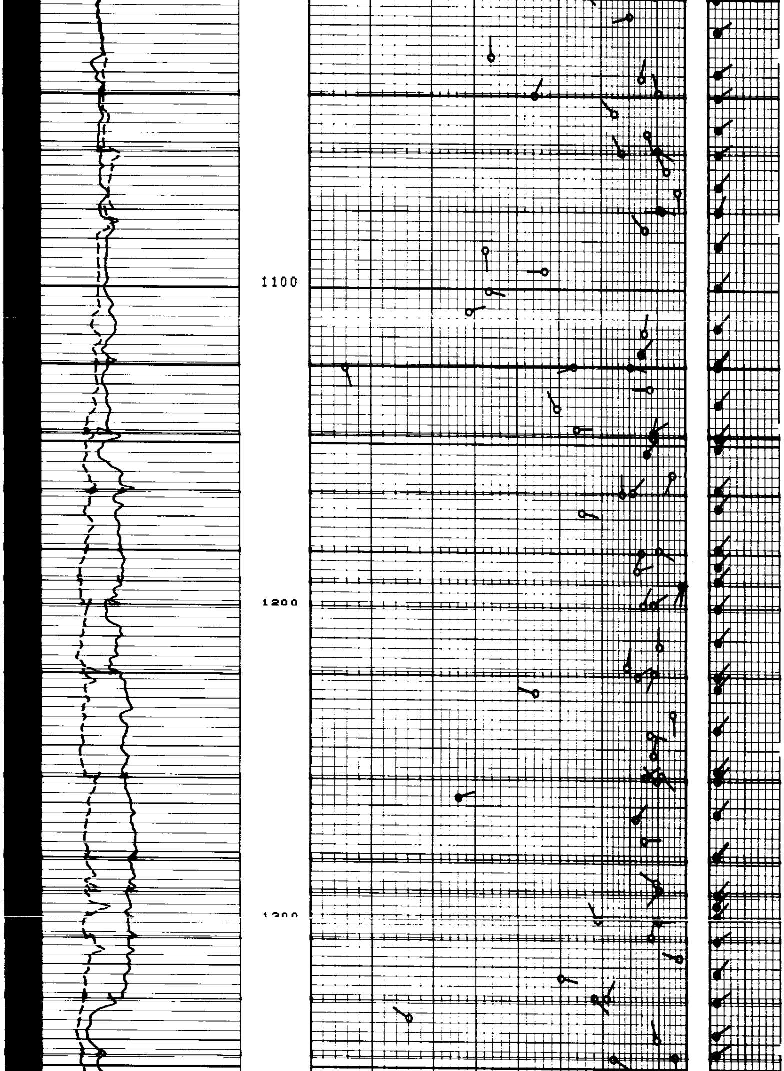

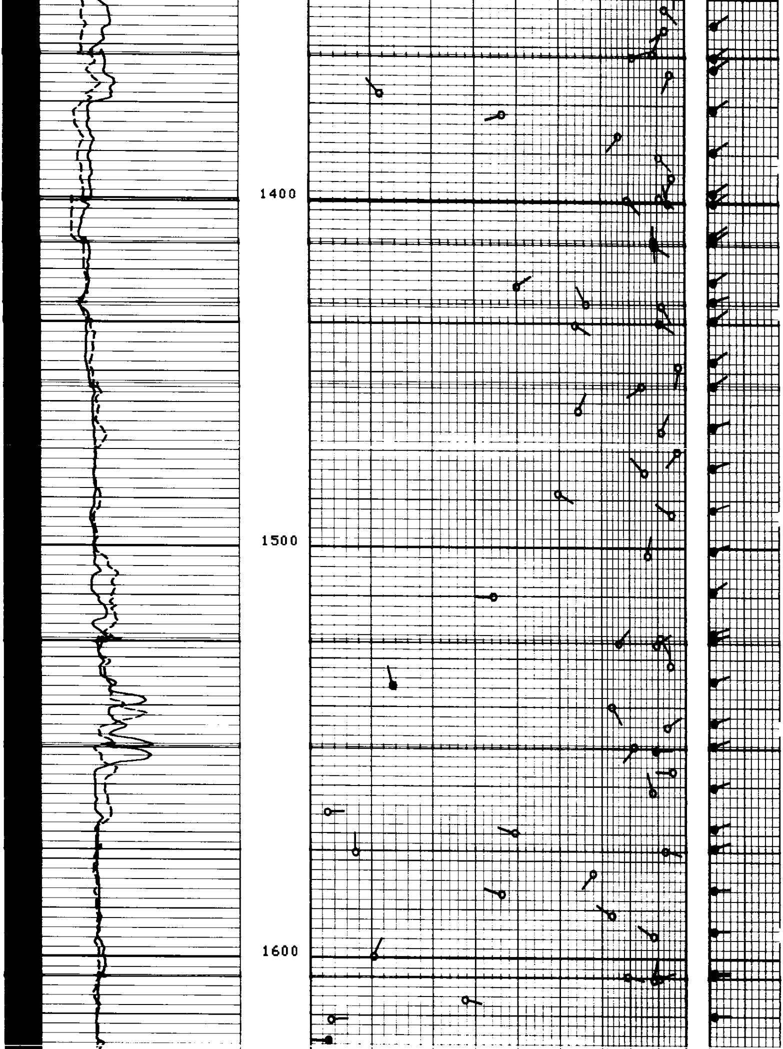

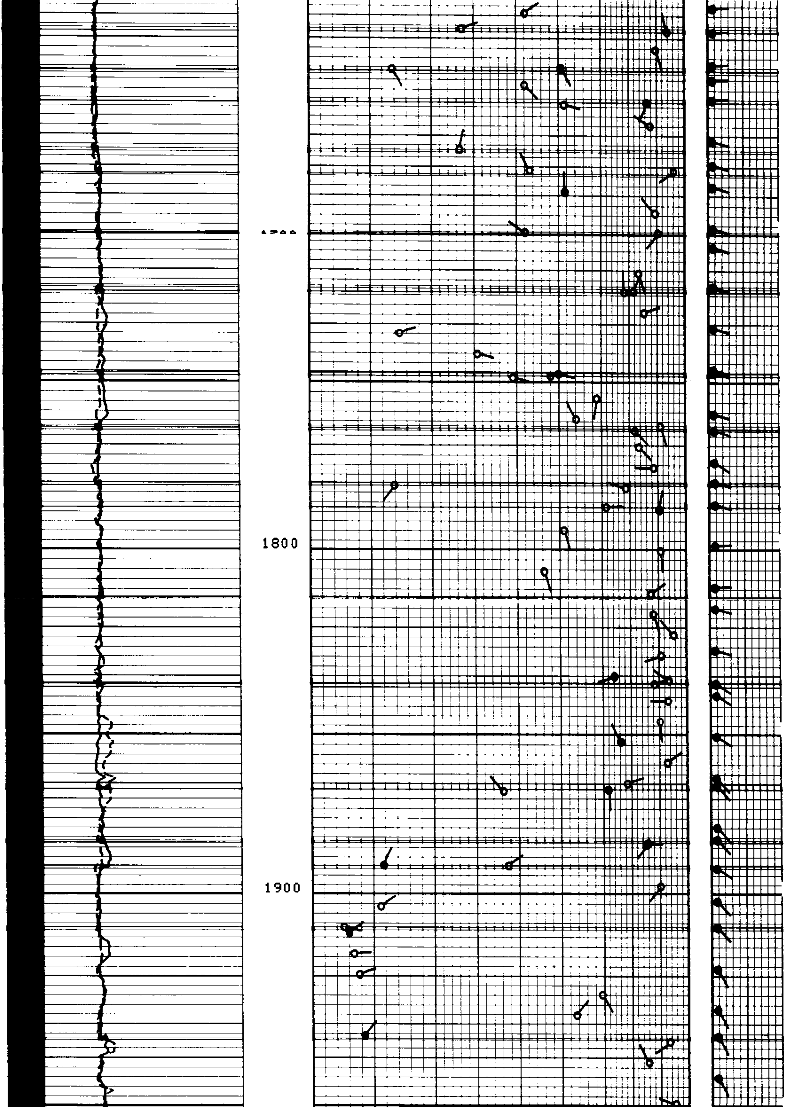

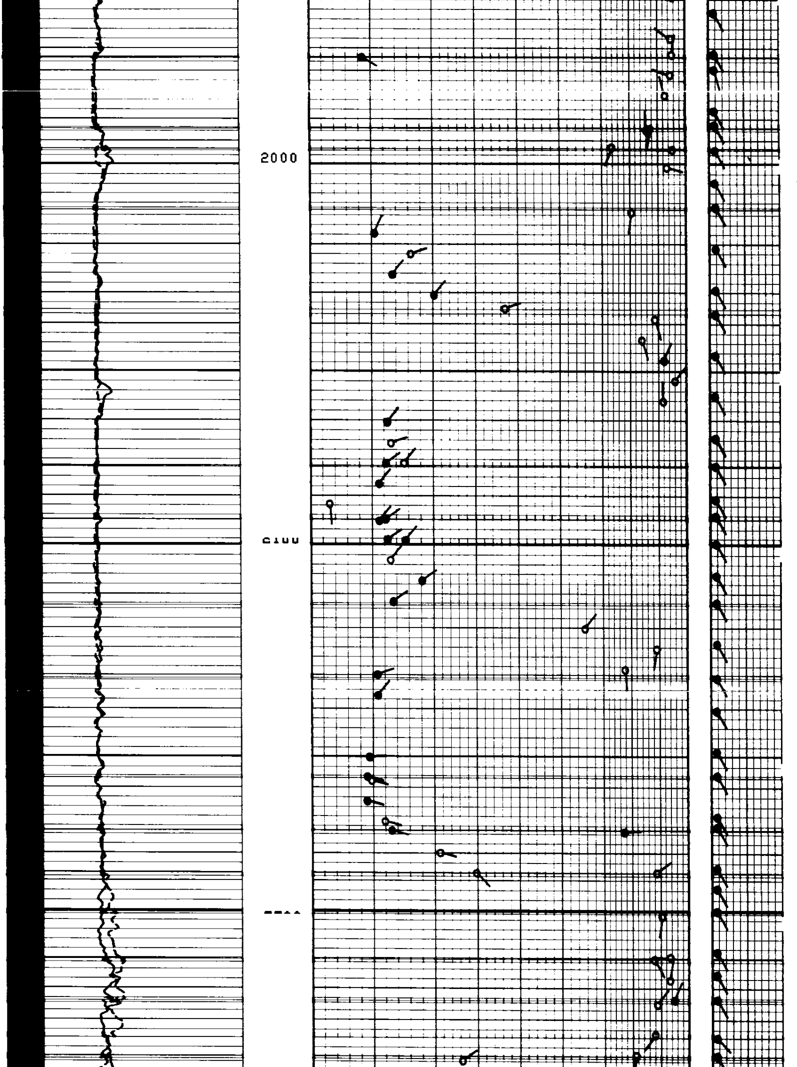

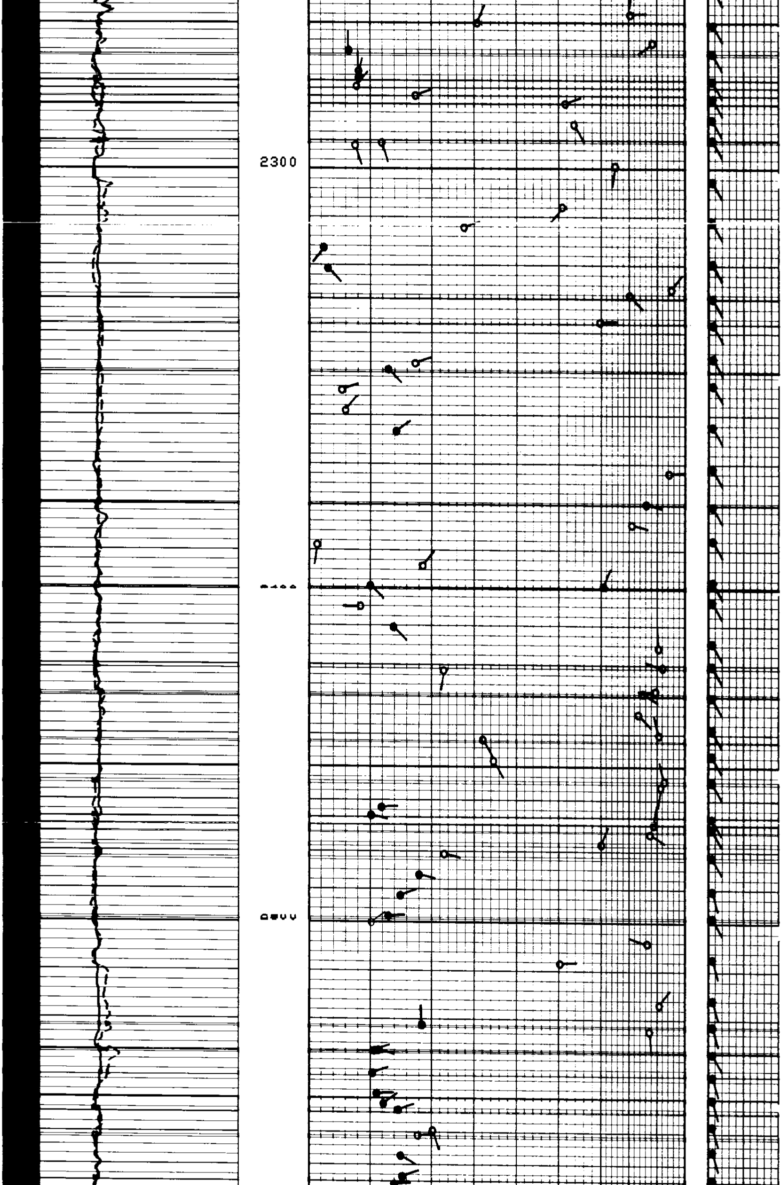

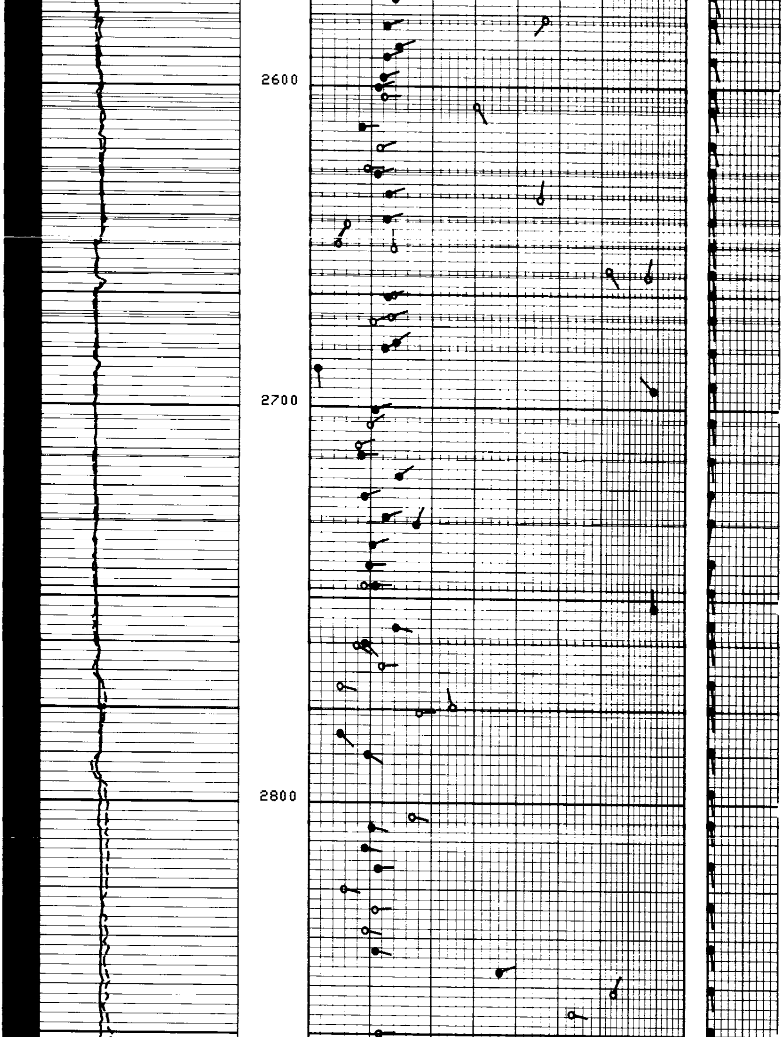

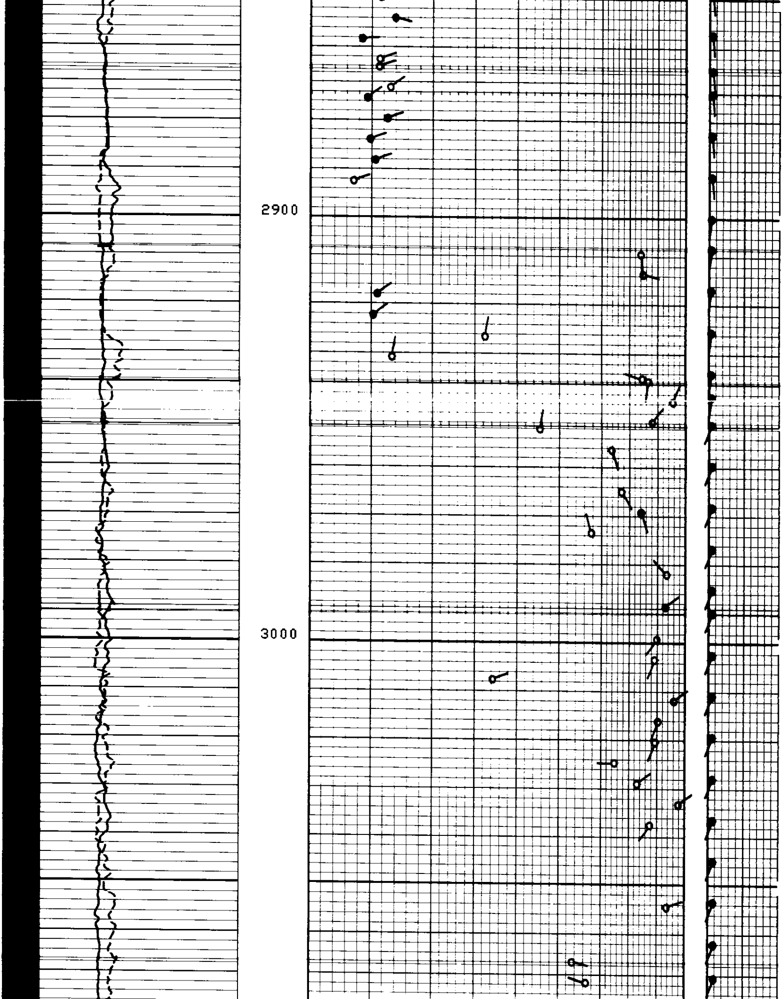

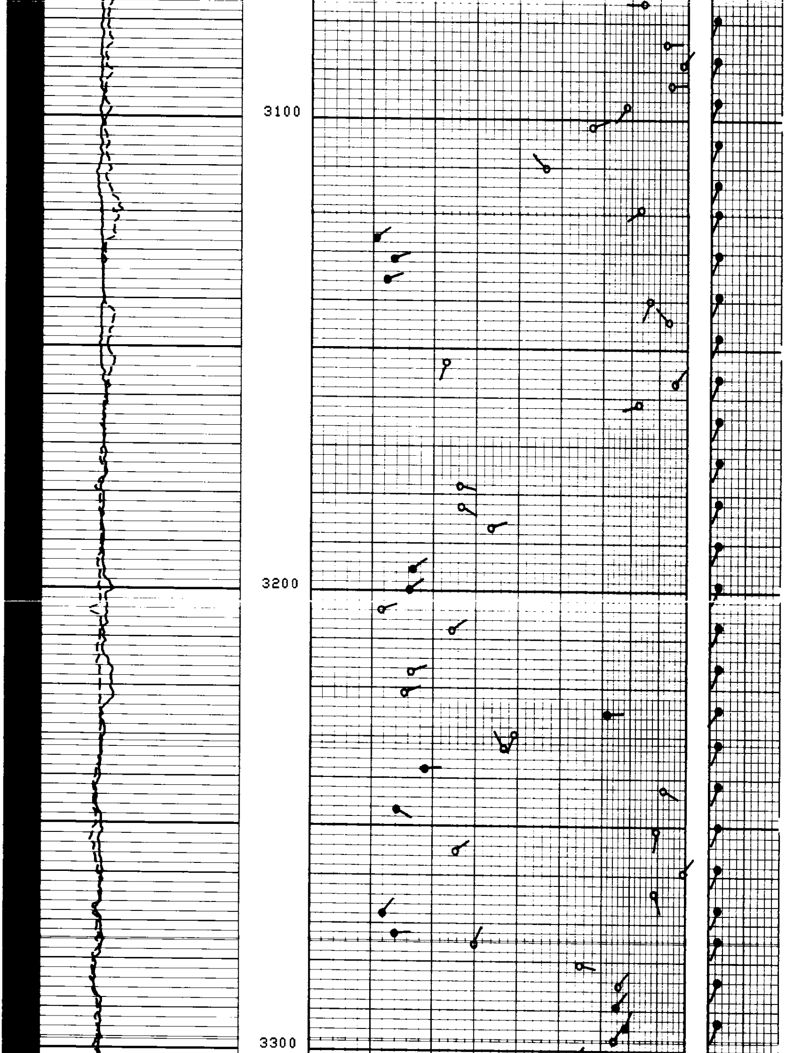

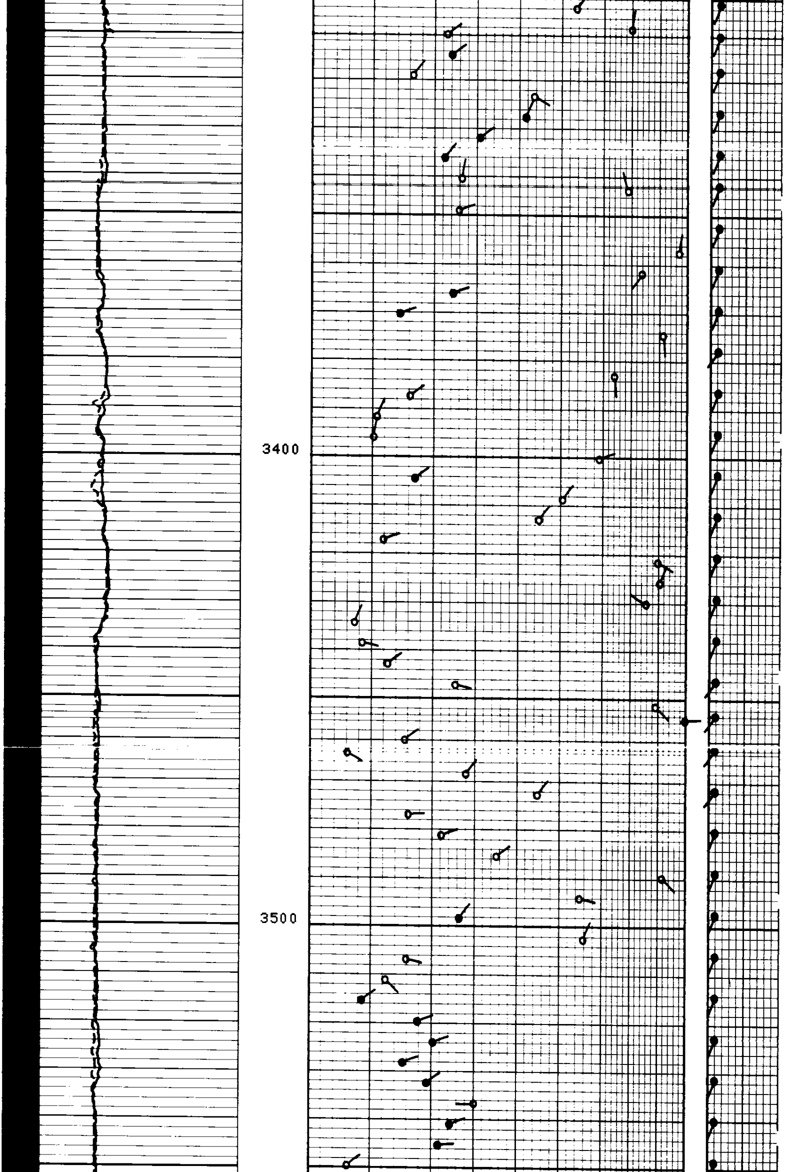

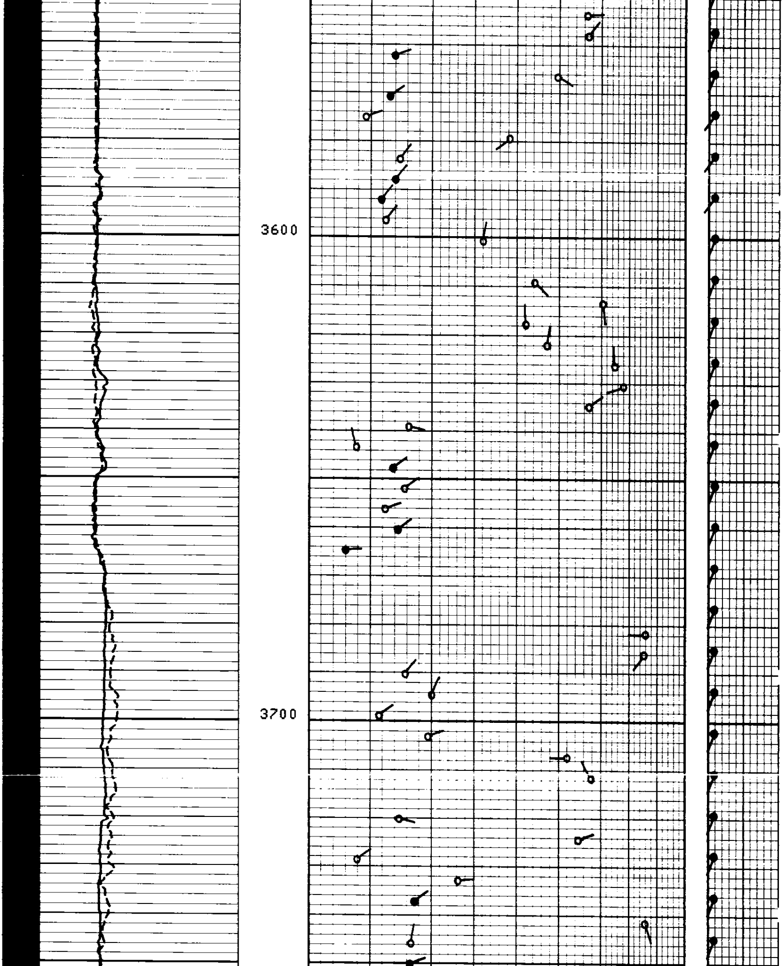

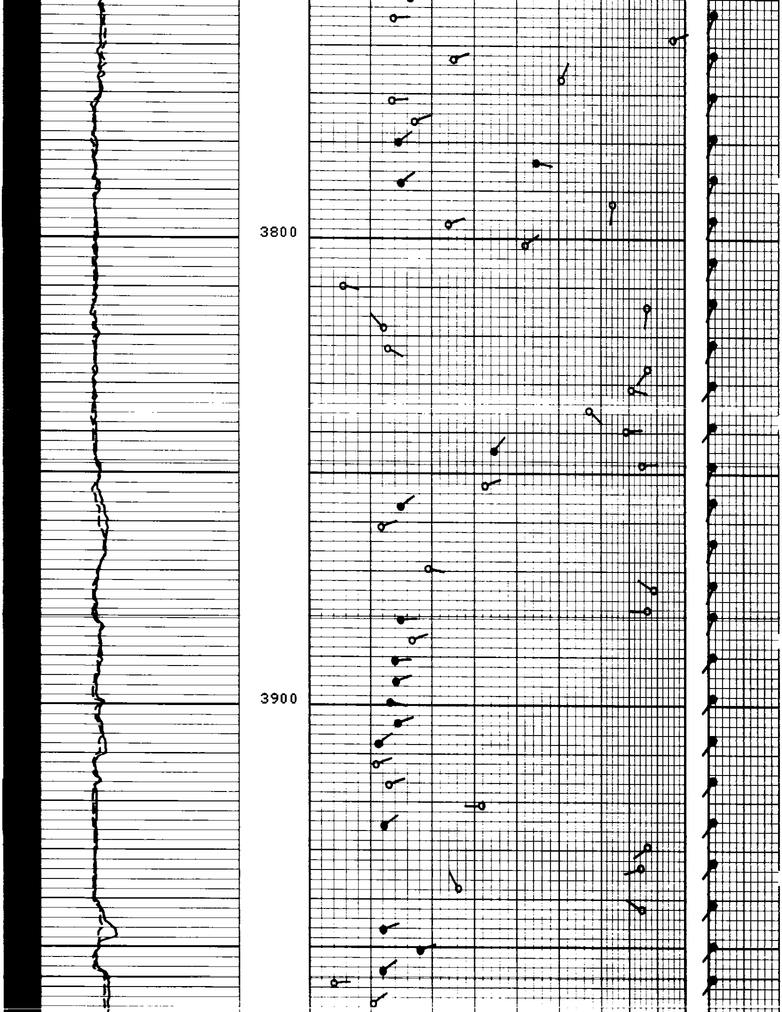

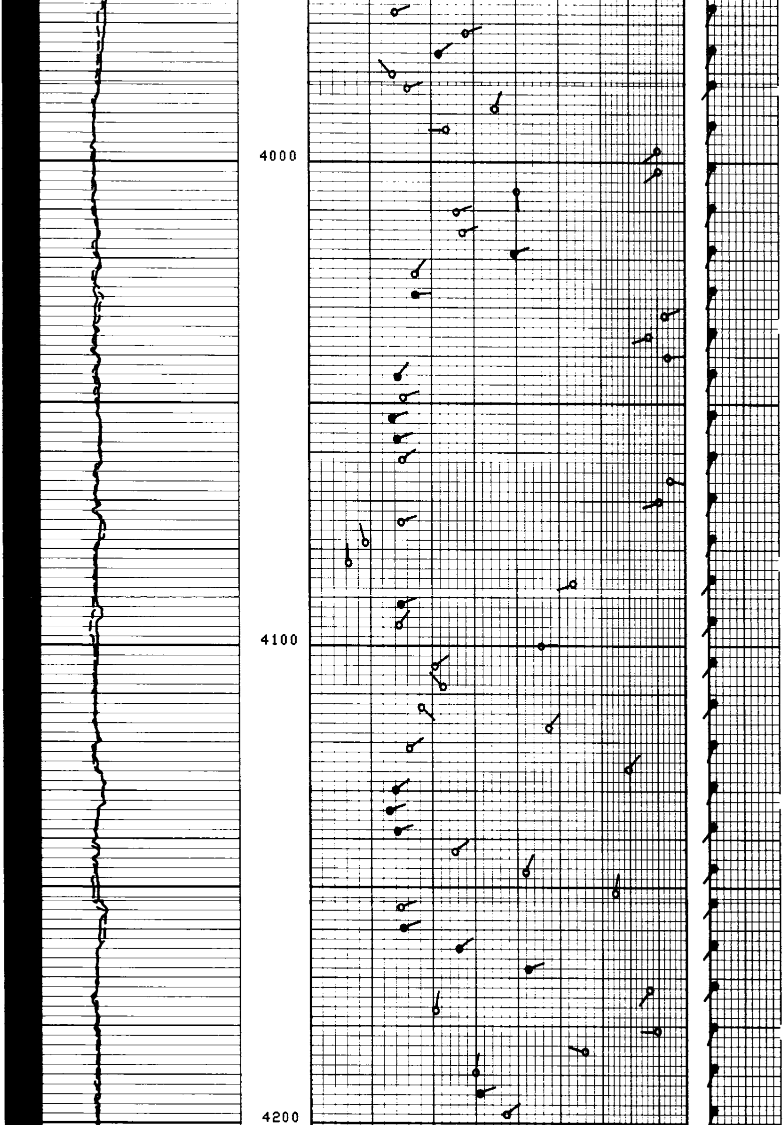

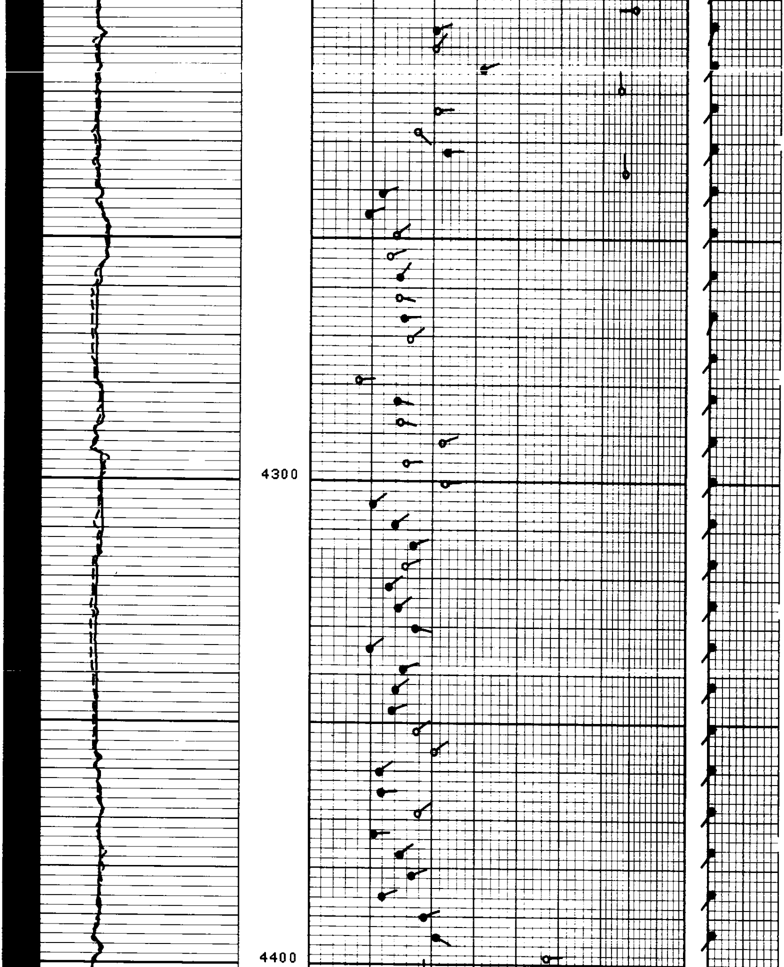

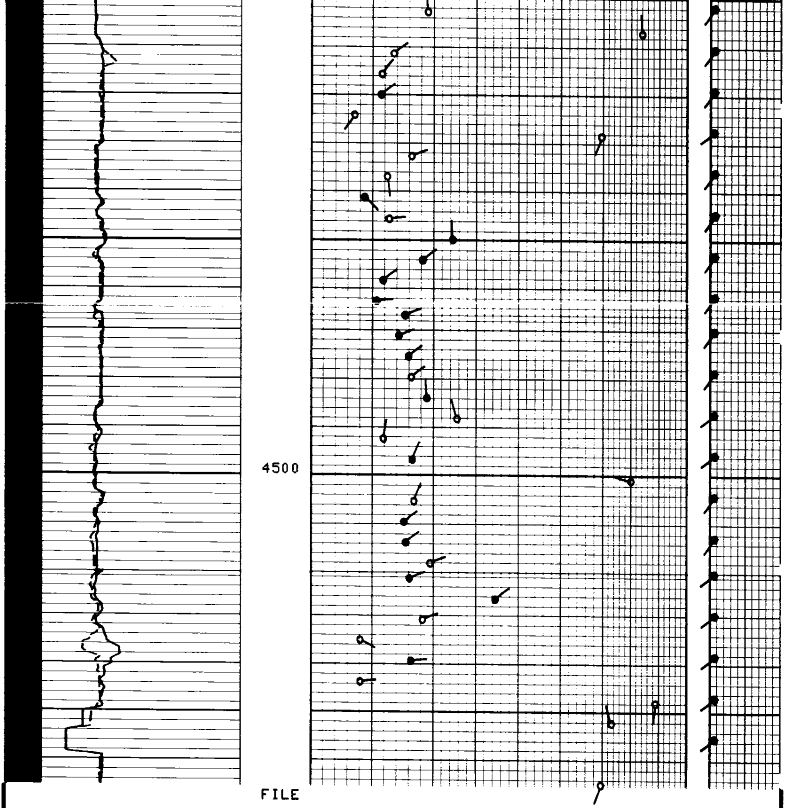

FILE

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PUM4(IN)
0.0 20.00
PUM3(IN)
0.0 20.00
C2S (IN)
0.0 20.00
C1S (IN)
0.0 20.00

AH ( )
0.0 5.000
PUM2(IN)
0.0 5.000
PUM1(IN)
0.0 5.000

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
TDCA	3PAD		BS	7.875	IN
DSCA	40	DEG	MODE	4/4	
STYP	STAN		MCT	36	DEG
DO	0.0		BHS	OPEN	