Schlumberger

FOUR — ARM
HIGH RESOLUTION
CONTINUOUS DIPMETER
(COMPUTED)

COUNTY COLUMBIA
FIELD or LOCATION 29-6N-4W
WELL QUASAR 29-14
CROWN ZELLERBACH
COMPANY AMERICAN QUASAR

COMPANY AMERICAN QUASAR PETROLEUM COMPANY

RECEIVED PTLD
JAN 23 1980
DEPT OF GEOLOGY

WELL QUASAR 29-14 CROWN ZELL

FIELD WILDCAT

COUNTY COLUMBIA STATE OREGON

LOCATION : 251'NSL & 319'EWL

Sec. 29 Twp. 6N Rge. 4W

Other Services:
BHC
FDC/CNL/GR
DI-SFL

Permanent Datum: GL, Elev. 566.9
Log Measured From KB, 10 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 576.9
D.F. --
G.L. 566.9

Date	11-1-79			
Run No.	ONE			
Depth—Driller	2880			
Depth—Logger	2864			
Btm. Log Interval	2863			
Top Log Interval	508			
Casing—Driller	7" @ 508	@	@	@
Casing—Logger	508			
Bit Size	6¼"			
Type Fluid in Hole	GEL			
Dens. | Visc.	9.4 | 58			
pH | Fluid Loss	10.8 | 7 ml	ml	ml	ml
Source of Sample	CIRCULATED			
R_m @ Meas. Temp.	2.56 @ 76 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	2.20 @ 58 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	3.34 @ 60 °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	M | M			
R_m @ BHT	2.05 @ 95 °F	@ °F	@ °F	@ °F
Time Since Circ.	9 HOURS			
Max. Rec. Temp.	95 °F	°F	°F	°F
Equip. | Location	8126 | SAC			
Recorded By	ANDERSEN			
Witnessed By	LONG			

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	--			
HDM No.	--			
Magnetic Declination	21E			
Analog Panel No.	--			
Digital Panel No.	--			
Correlated By	--			
Computed By	ANDERSEN			
Plotted By	--			

Remarks — SERVICE ORDER NO. 31611

"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."

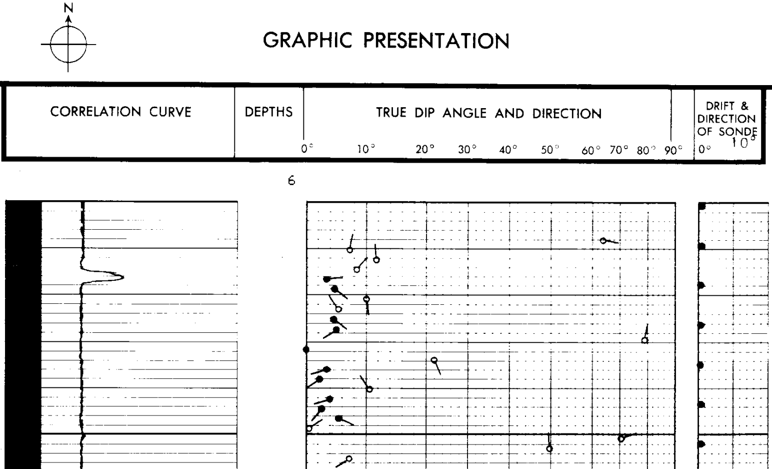
TABLE OF VERTICAL DISPLACEMENT IN FEET CORRESPONDING TO VARIOUS HORIZONTAL DISTANCES AND ANGLES OF DIP

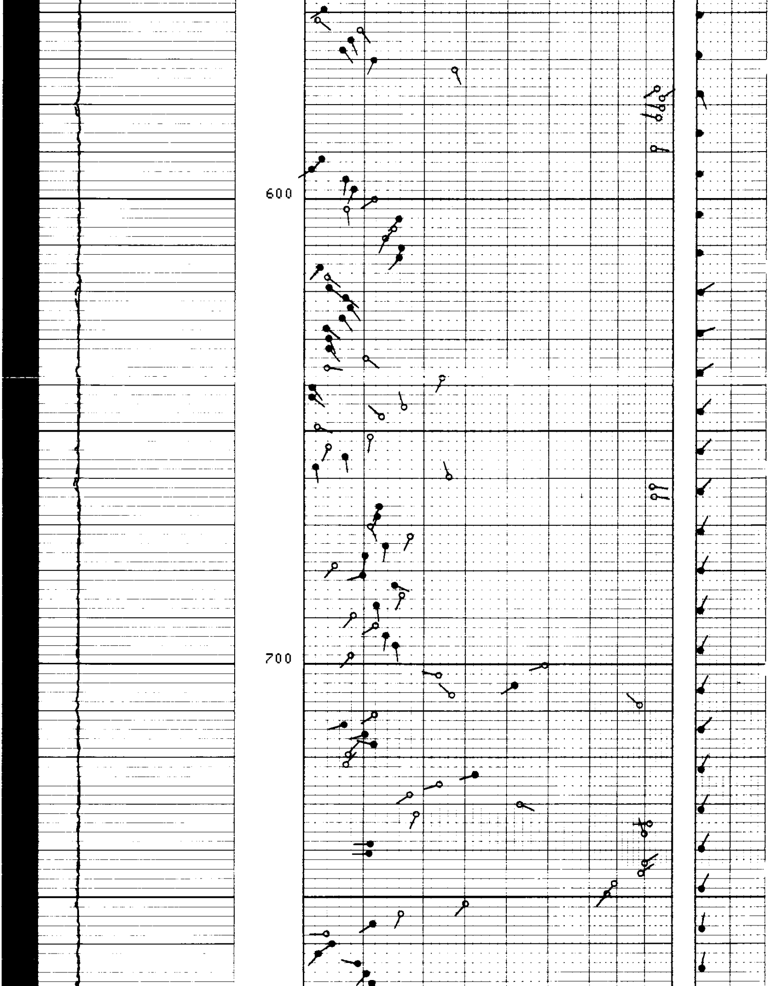
DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF 100′	1000′	1 mile (5280′)
1	1.75	17.5	92.2
2	3.5	35.	184.
3	5.2	52.	277.
4	7.0	70.	369.
5	8.8	88.	462.
6	10.5	105.	555.
7	12.3	123.	648.
8	14.1	141.	742.
9	15.8	158.	836.
10	17.6	176.	931.
11	19.4	194.	1026.
12	21.3	213.	1122.
13	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.
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.

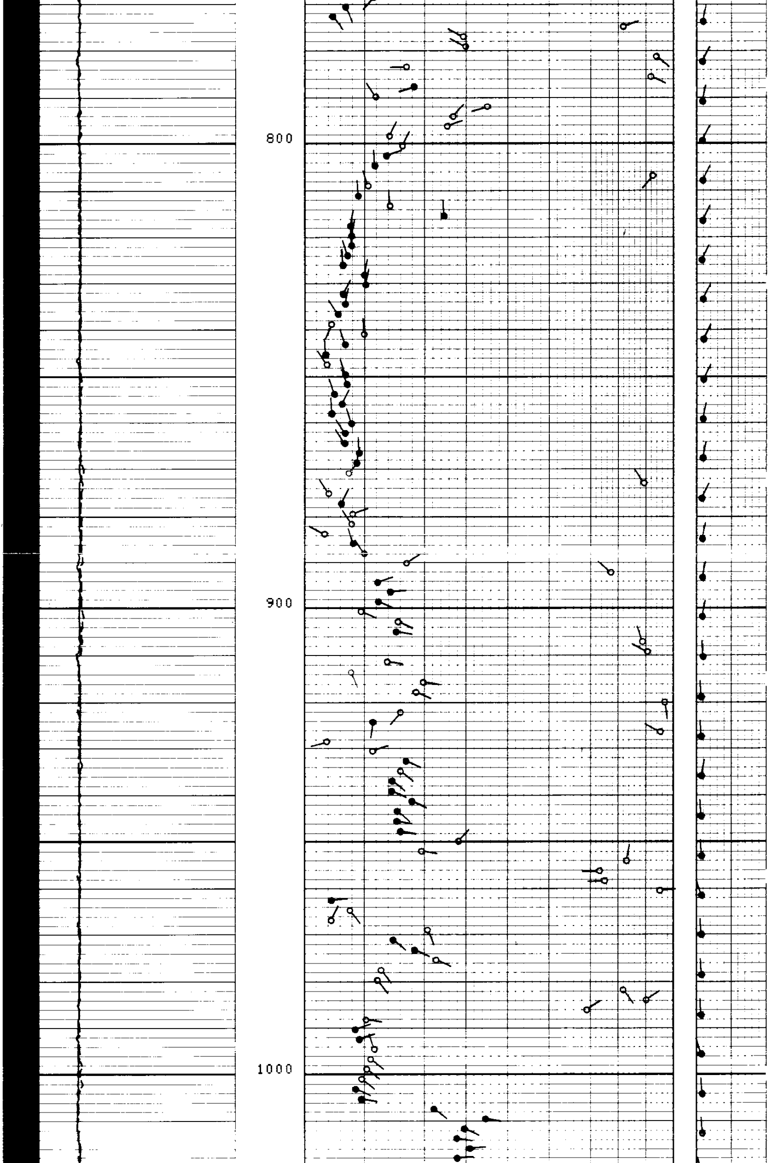
To obtain vertical displacements corresponding to multiples of hundreds feet, thousands of feet or miles, multiply the number found in the table by the number of hundreds, thousands or miles.

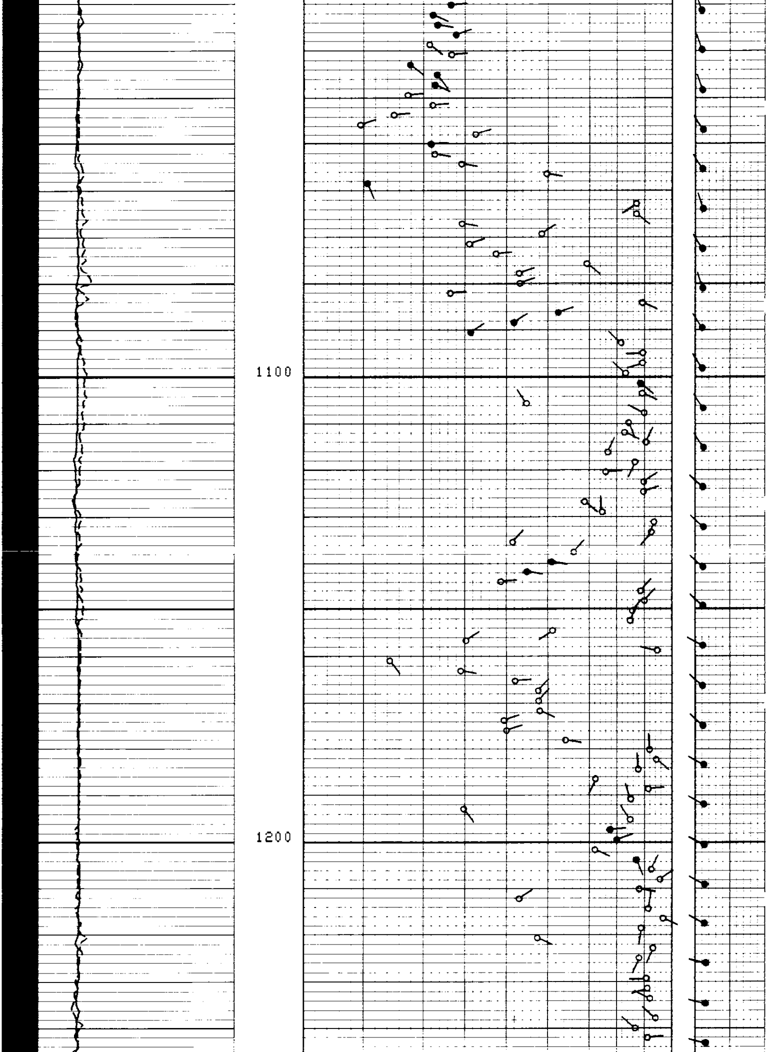
Example: The formation dip is 16 degrees. The vertical displacement occurring at a spot 660 feet away from the well is desired. The table shows 28.7 feet per 100 feet for 16° dip. Therefore 28.7 x 6.60 = 189.42, or 189. feet.

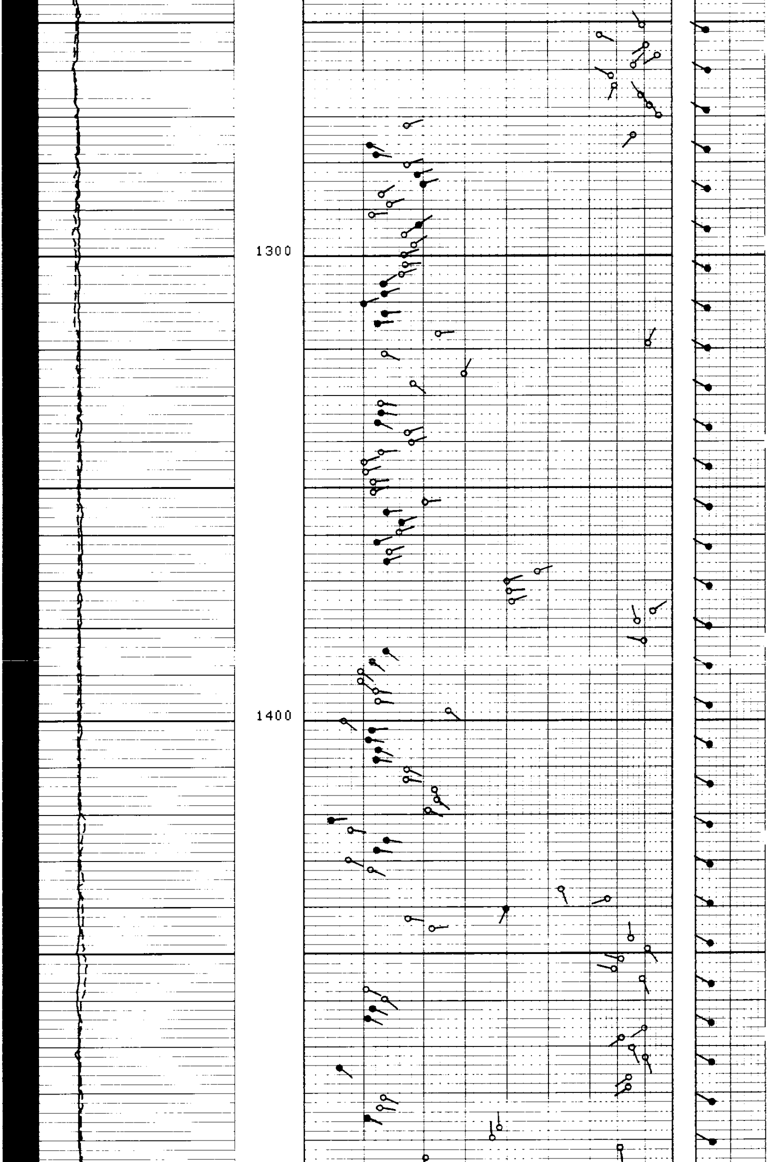
GRAPHIC PRESENTATION

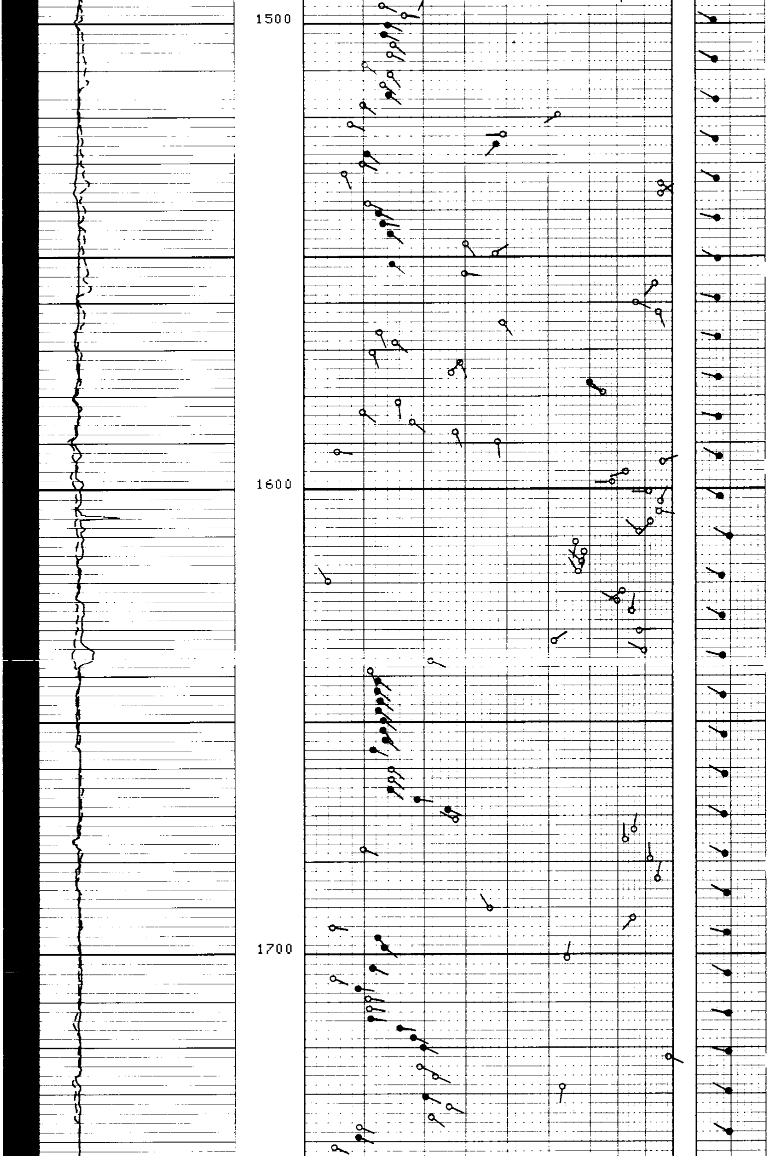


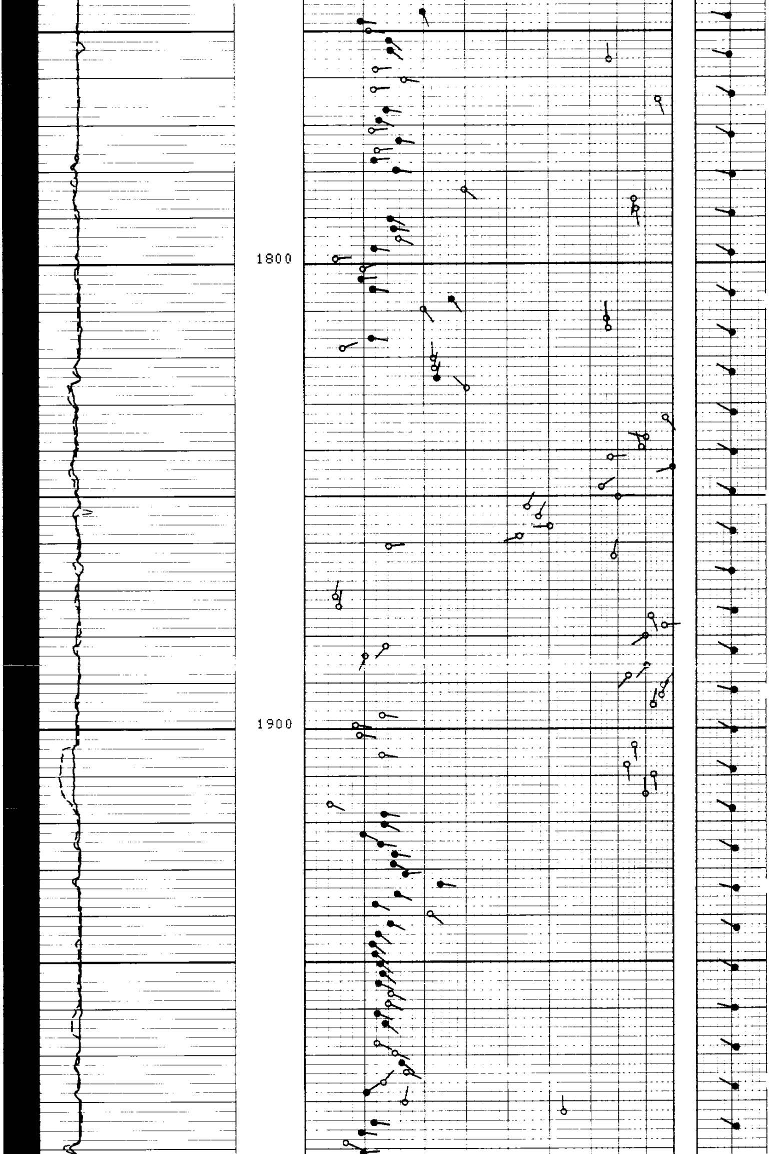


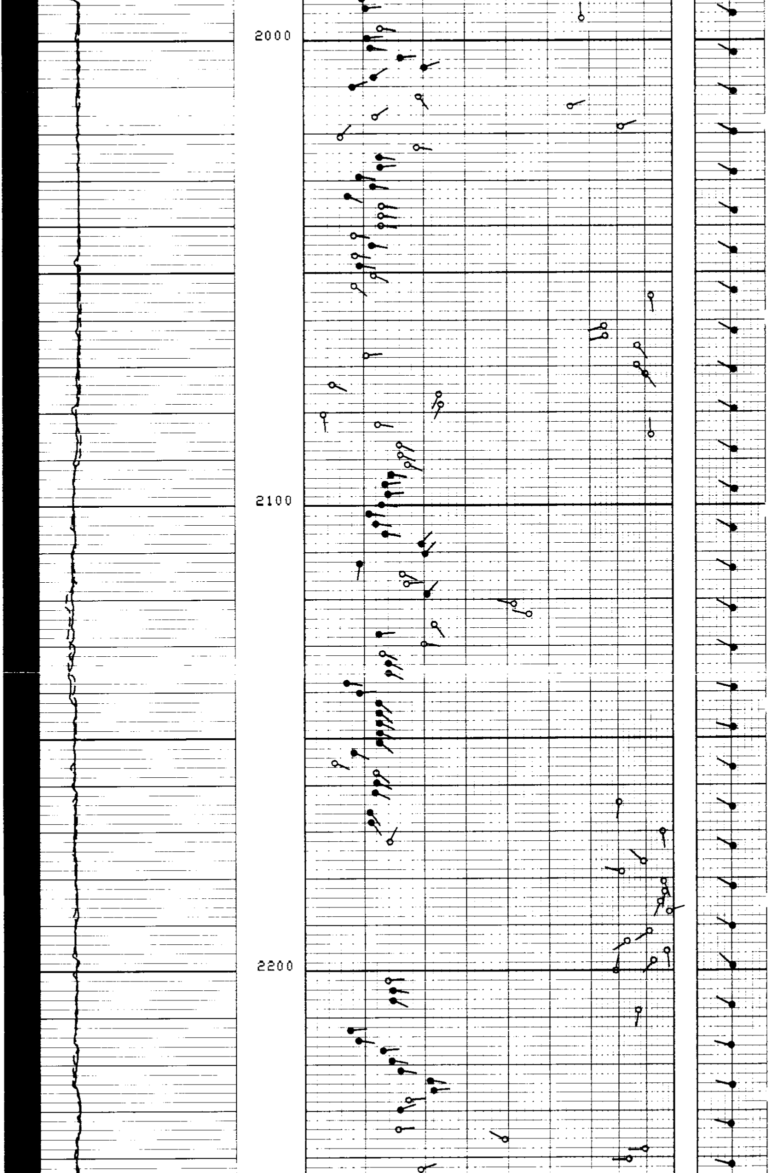


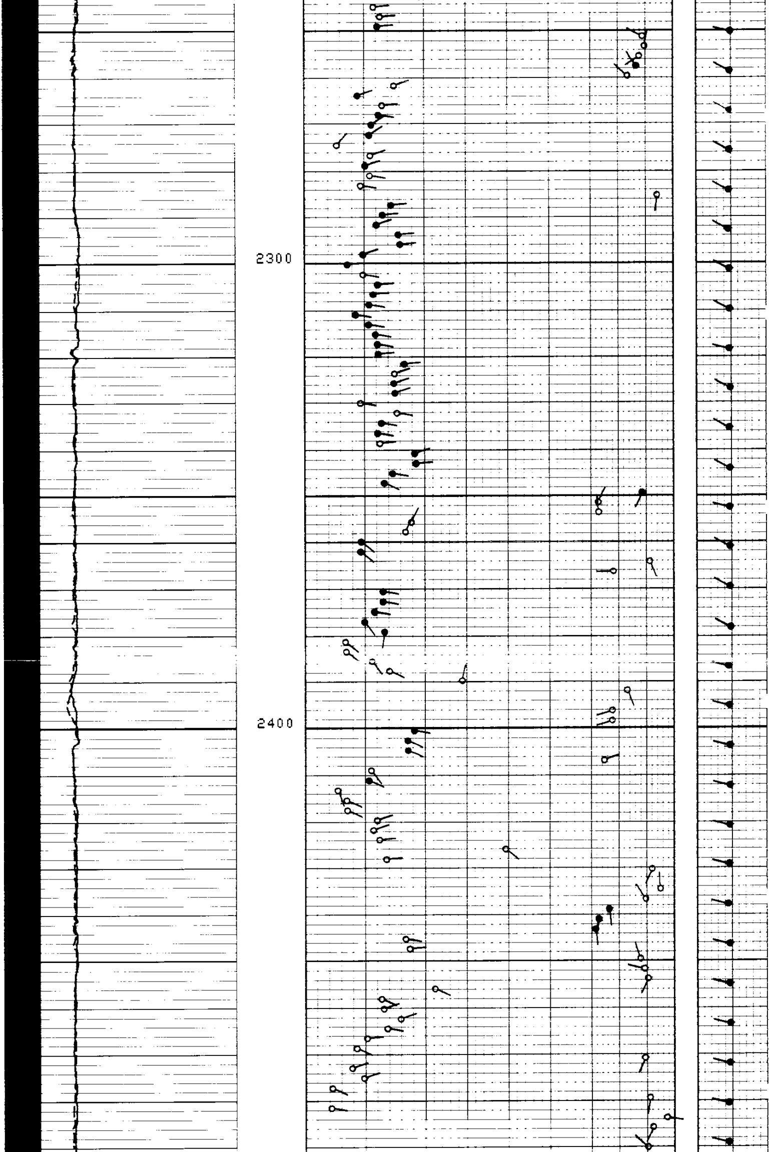


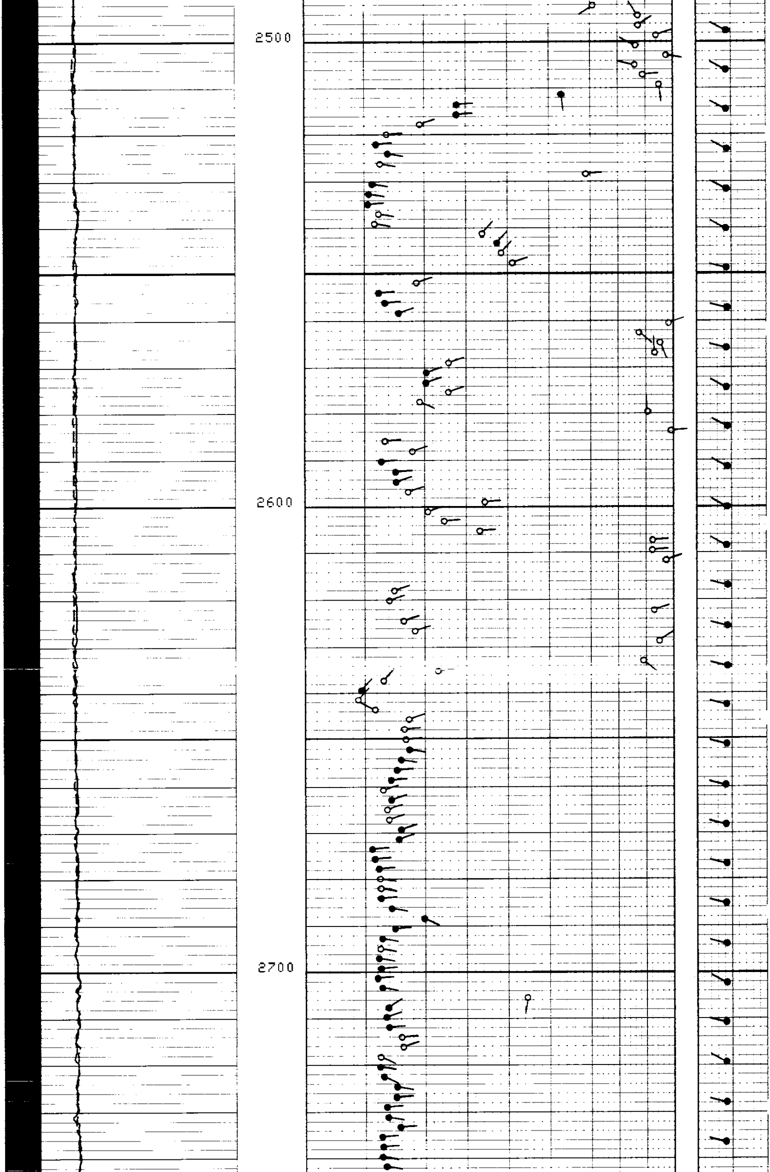


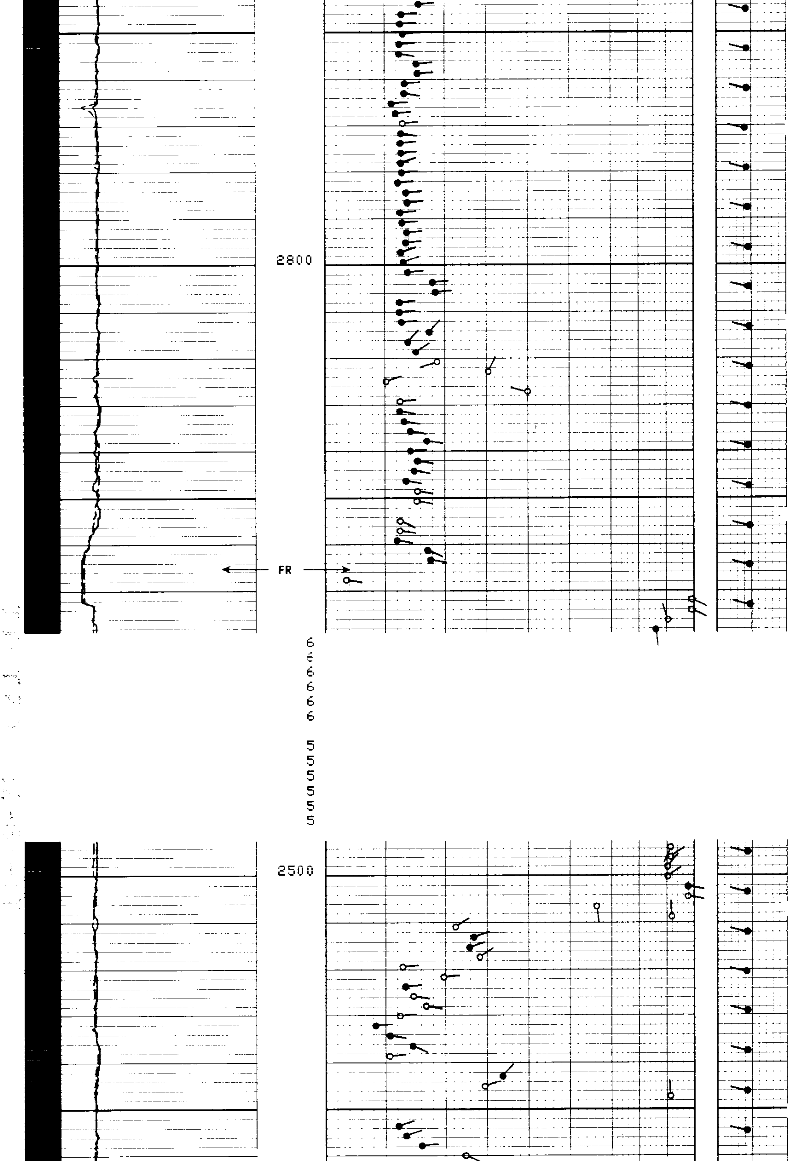


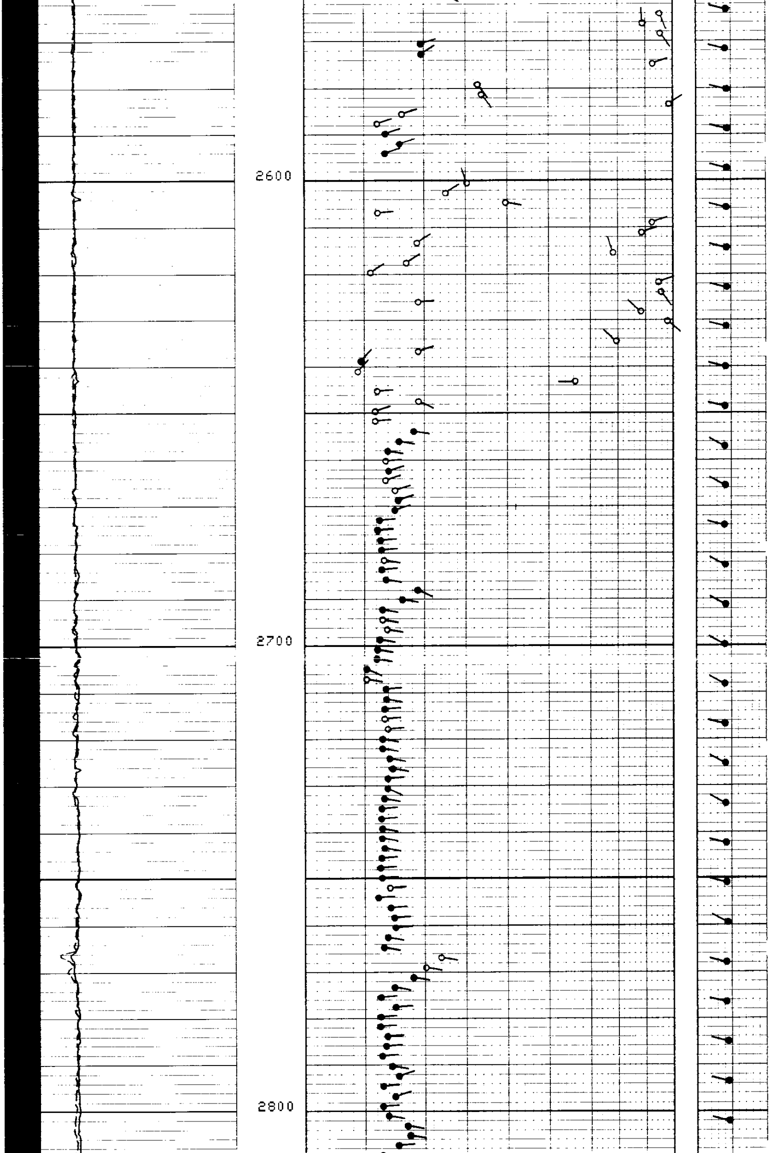


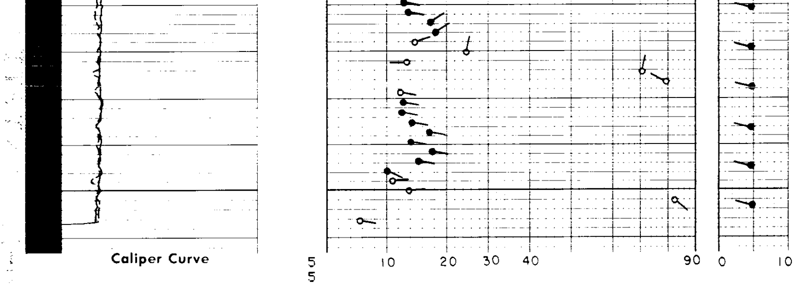












CORRELATION CURVE	DEPTHS	0° 10° 20° 30° 40° 50° 60° 70° 80° 90° TRUE DIP ANGLE AND DIRECTION	0° 10° DRIFT & DIRECTION OF SONDE

COMPANY AMERICAN QUASAR PETROLEUM COMPANY

WELL QUASAR 29-14 CROWN ZELLERBACH

FIELD WILDCAT

COUNTY COLUMBIA STATE OREGON

Rm 2.56 @ 76 °F

Rmf 3.20 @ 58 °F

Rmc 3.34 @ 60 °F

BHT 95 °F

SCHL. FR 2863

SCHL. TD 2864

DRLR TD 2880

Elev:

KB 576.9

DF --

GL 566.9