Great Discovery 2

Welex

5" = 100'

DIP LOG CALCULATIONS

COMPANY [illegible]
WELL GREAT DISCOVERY 2
FIELD CAMOS VALLEY
COUNTY DOUGLAS STATE ORE.

COMPANY HUTCHINS AND MARS

WELL GREAT DISCOVERY #2

FIELD CAMOS VALLEY

COUNTY DOUGLAS **STATE** OREGON

Location 1929' SOUTH & 1459' EAST FROM THE NORTHWEST CORNER OF:

Sec. 20 Twp. 30S Rge. 9W

Other Services
DIG
AVI
SWC

Permanent Datum G.L. Elev. 810'
Log Measured From K.B. OR 5 Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B 815'
D.F 814'
G.L 810'

Date	9-1-84			
Run No.	ONE			
Depth - Driller	3510'			
Depth - Welex	3502'			
Btm. Log Inter.	3497'			
Top Log Inter.	360'			
Casing - Driller	8 5/8 @ 350'	@	@	@
Casing - Welex	360'			
Bit Size	6 1/2"			
Type Fluid in Hole	WATER BASE MUD			
Dens. | Visc.	9.0 | 55	|	|	|
pH | Fluid Loss	11 | 8.8 ml	| ml	| ml	| ml
Source of Sample	CIRCULATED			
R_m @ Meas. Temp.	5.0 @ 60 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	4.5 @ 63 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	3.8 @ 61 °F	@ °F	@ °F	@ °F
Source R_{mf} | R_{mc}	MEAS | MEAS	|	|	|
R_m @ BHT	3.45 @ 90 °F	@ °F	@ °F	@ °F
Time Since Circ.	15 HOURS			
Max. Rec. Temp.	90 °F @ 3502'	°F @	°F @	°F @
Equip. | Location	2876 | WDLND	|	|	|
Recorded By	BIBENS			
Witnessed By	MR. MARS			

Service Ticket No. [illegible] Remarks:

Change in Mud Type or Additional Samples

Date | Sample No.	|	|
Depth - Driller		
Type Fluid in Hole		
Dens. | Visc.	|	|
pH | Fluid Loss	| m	|
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	3.45 @ 90 F	@ F
R_{mf} @ BHT	3.24 @ 90 F	@ F
R_{mc} @ BHT	[illegible].68 @ 90 F	@ F

Run No.	1	2	3	4
Tool Type	[illegible]			
Tool Number	21241			
Pad Type				
Correlated By				
Computed By				

Remarks:

Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Welex is not responsible except where due to gross negligence or willful misconduct for any loss, damages, or expenses from the use thereof.

TABLE OF CONSTANTS FOR DETERMINING VERTICAL DIFFERENCE AT VARIOUS DIP ANGLES

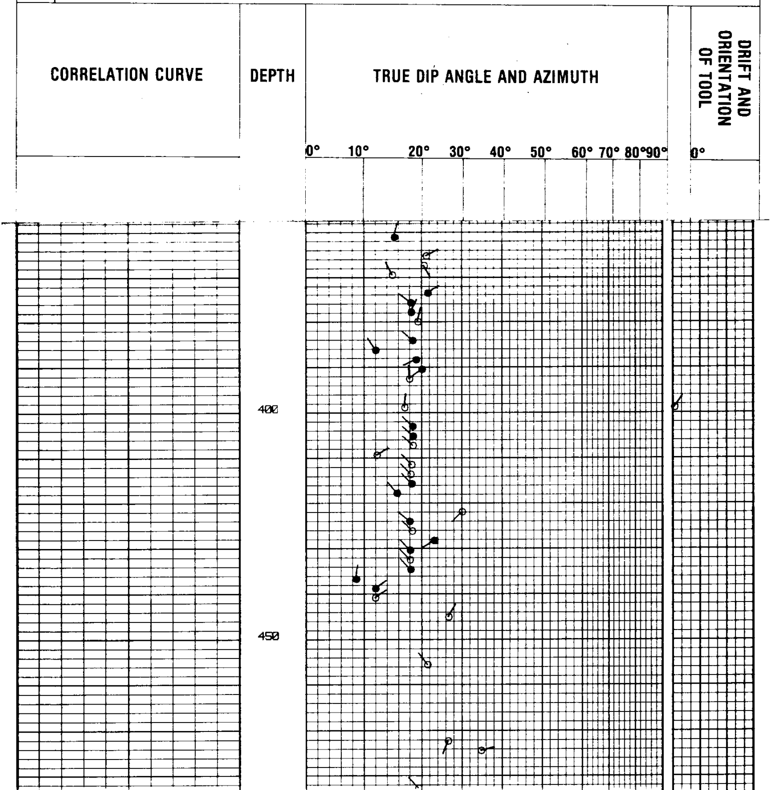
DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT
1	.0175	11	.194	21	.384	35	.700
2	.035	12	.213	22	.404	40	.839
3	.052	13	231	23	.425	45	1.000

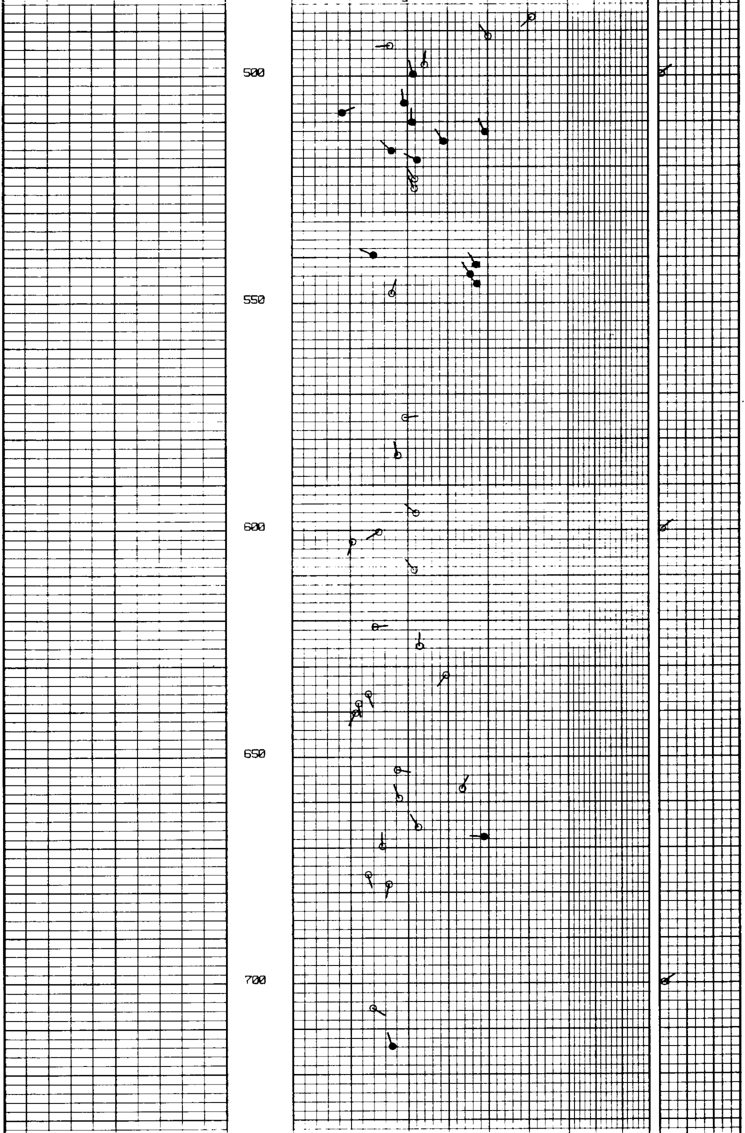
4	.070	14	.249	24	.445	50	1.192
5	.088	15	.268	25	.466	55	1.428
6	.105	16	.287	26	.487	60	1.732
7	.123	17	.306	27	.509	65	2.144
8	.141	18	.325	28	.531	70	2.748
9	.158	19	.344	29	.554	75	3.732
10	.176	20	.364	30	.577	80	5.671

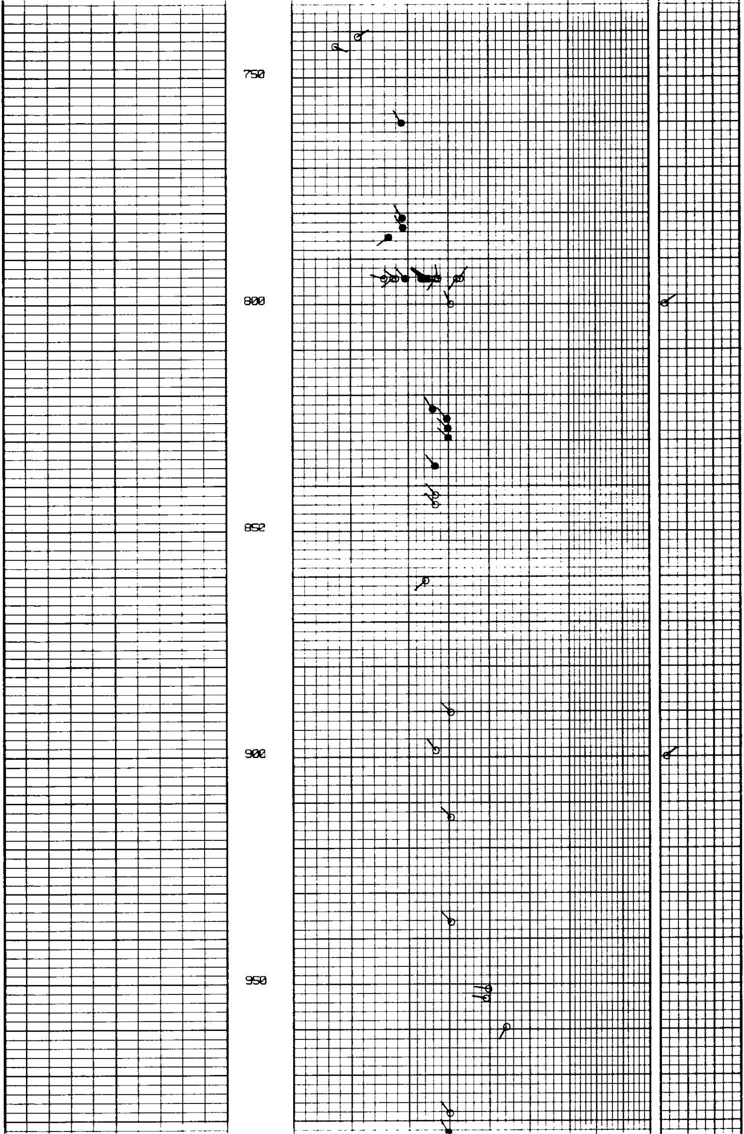
Vertical difference in feet is obtained by multiplying the constant for any given dip angle by the horizontal distance in feet.

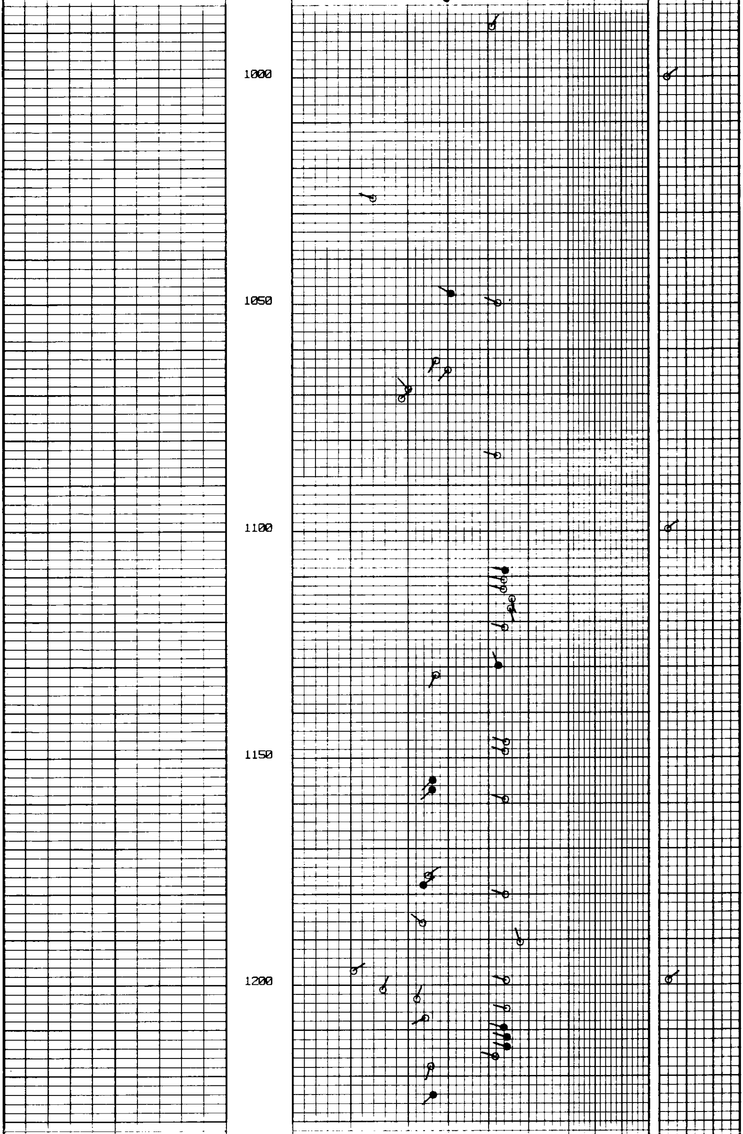
Example: Dip angle 10°. Horizontal distance 440 ft.
Vertical difference = .176 x 440 = 77.44

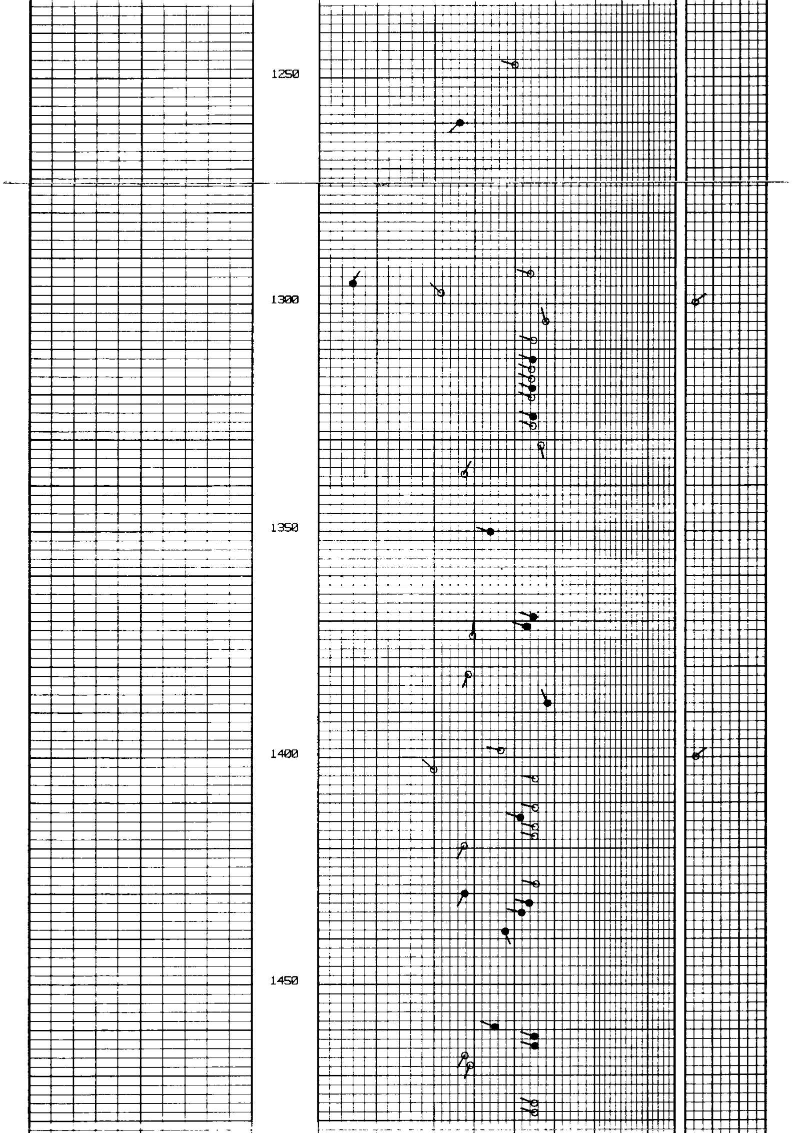
GRAPHIC PRESENTATION

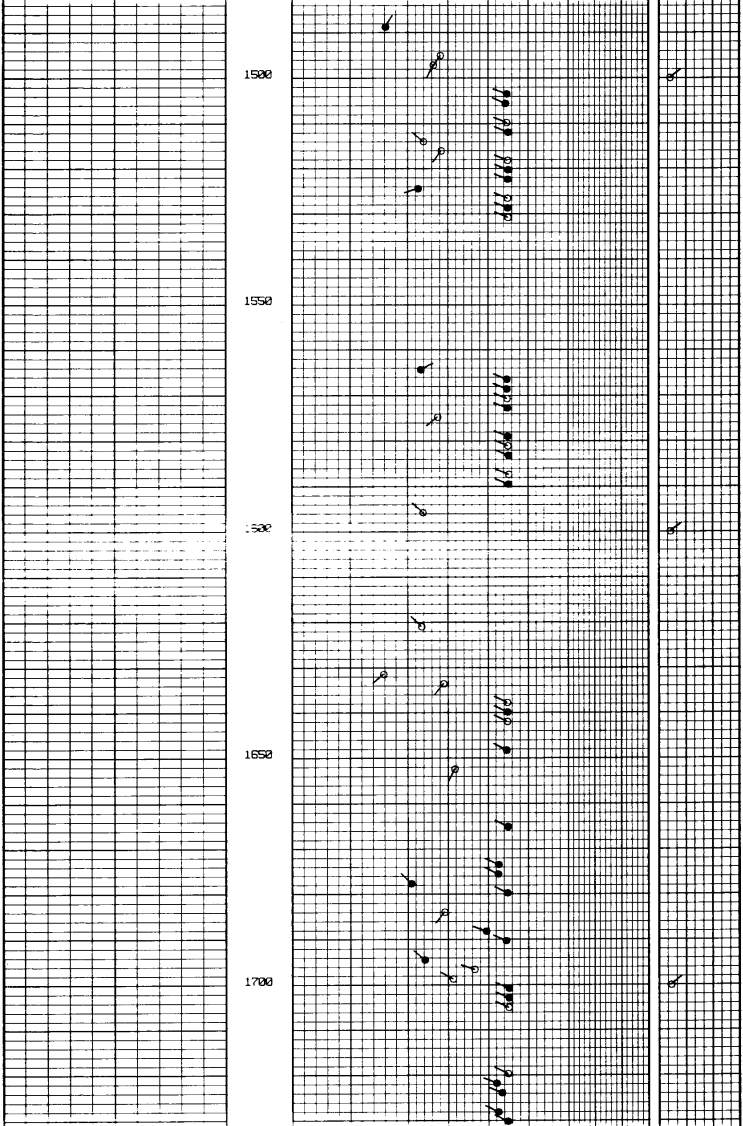


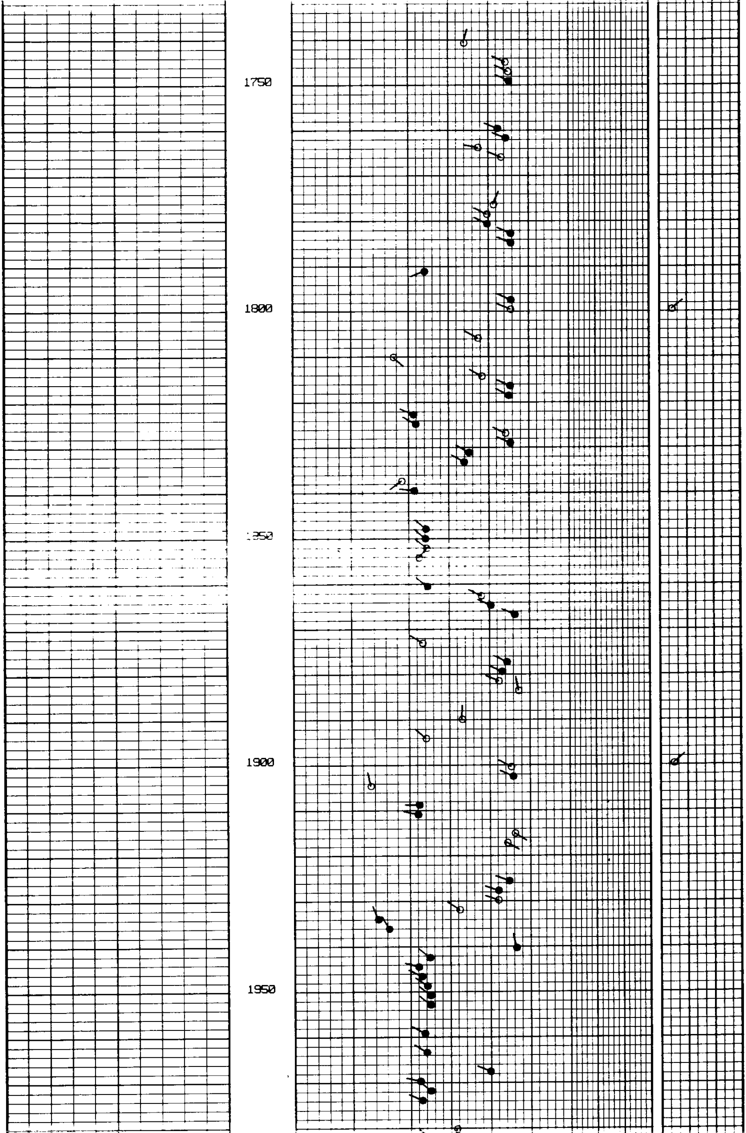


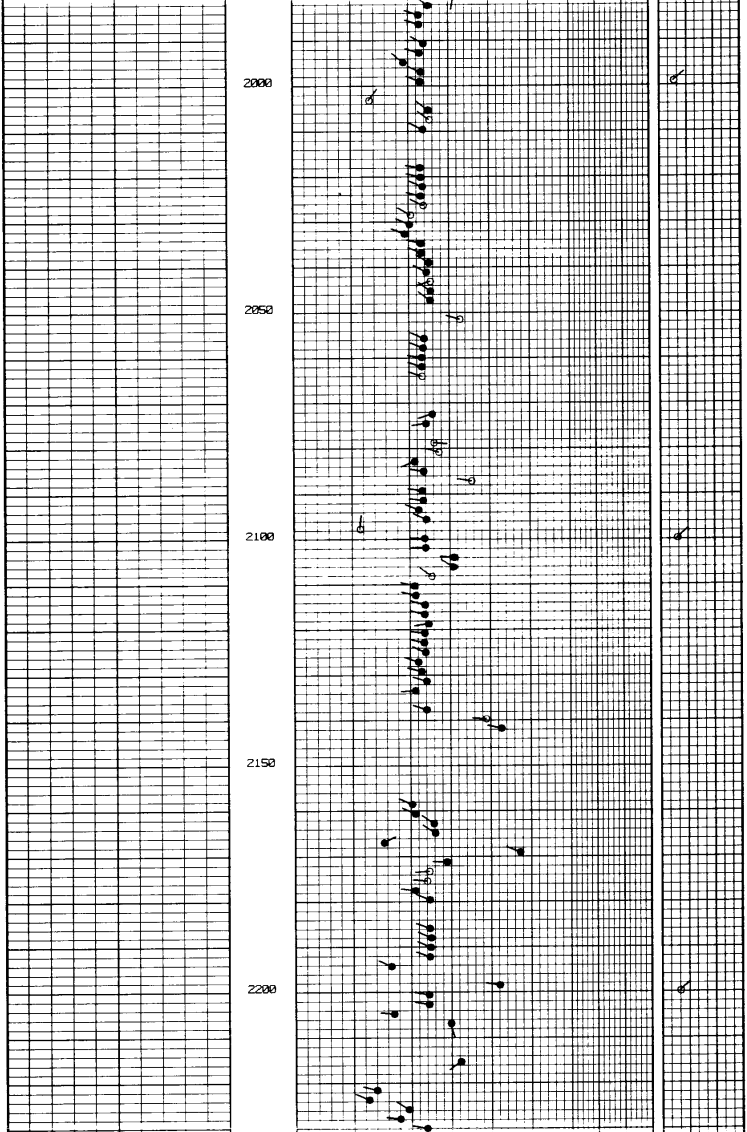


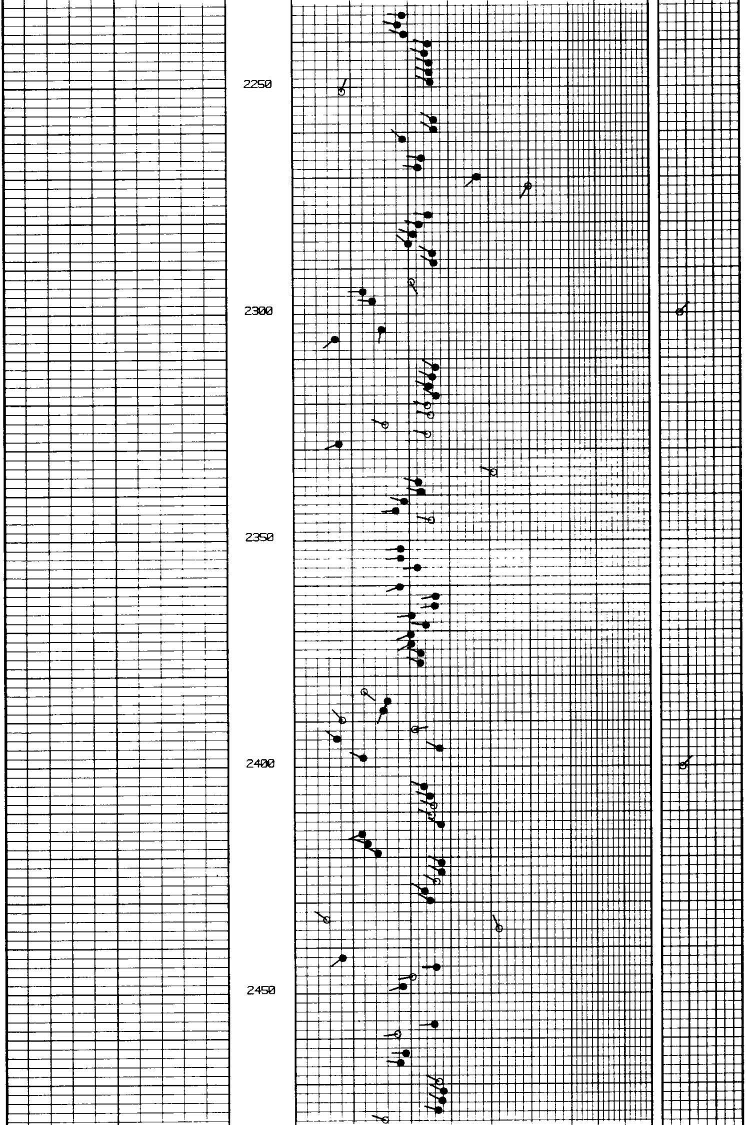


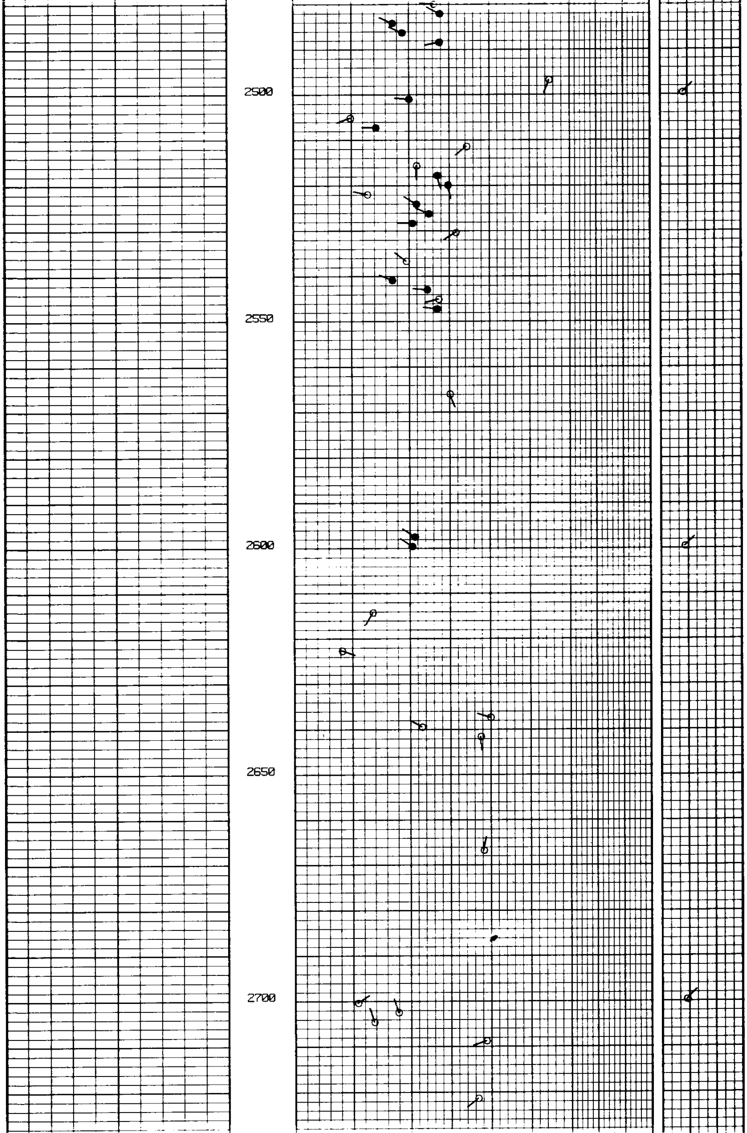


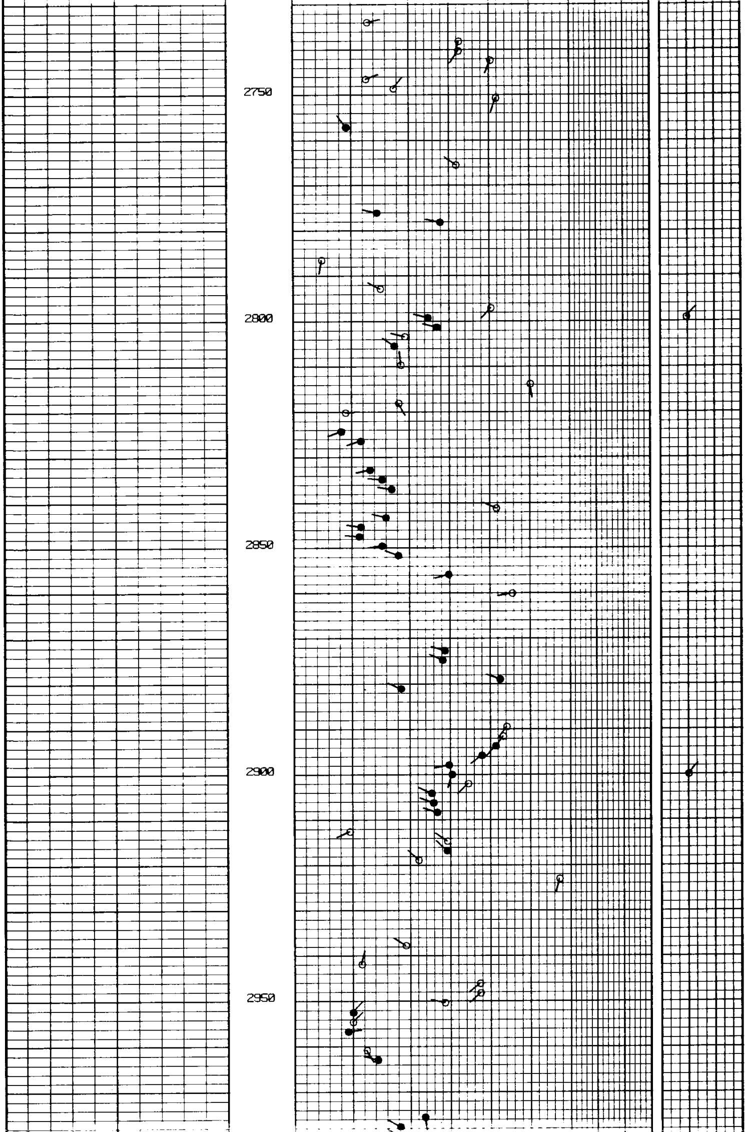


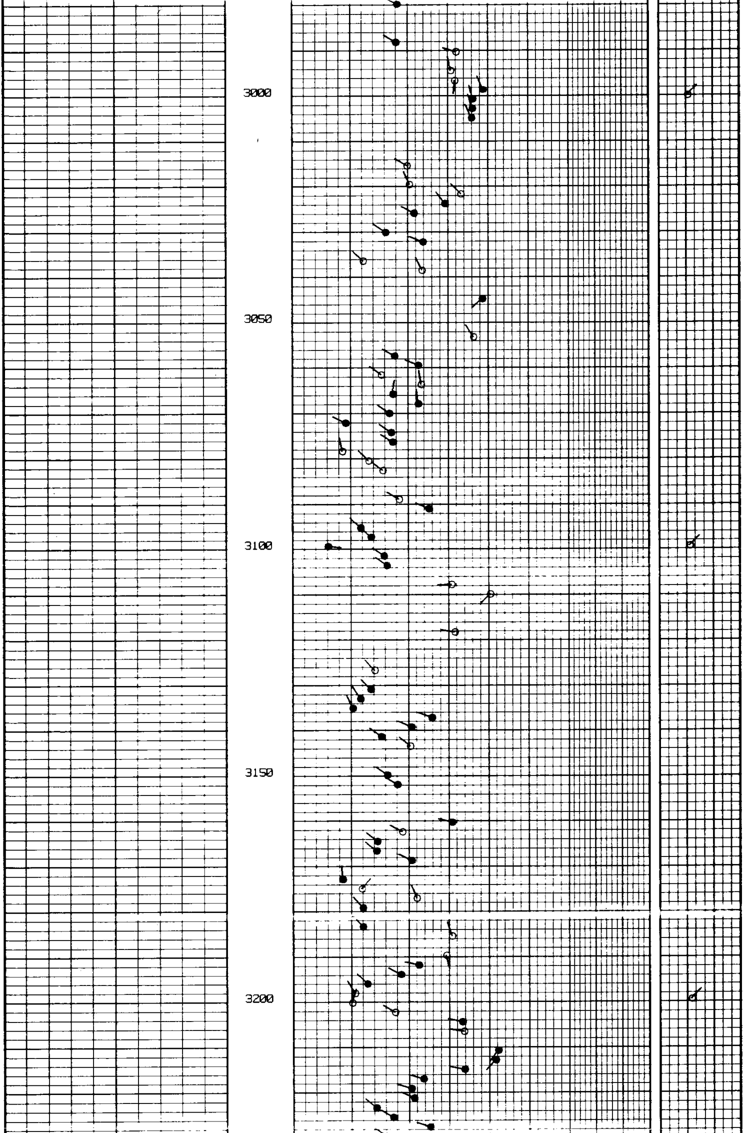


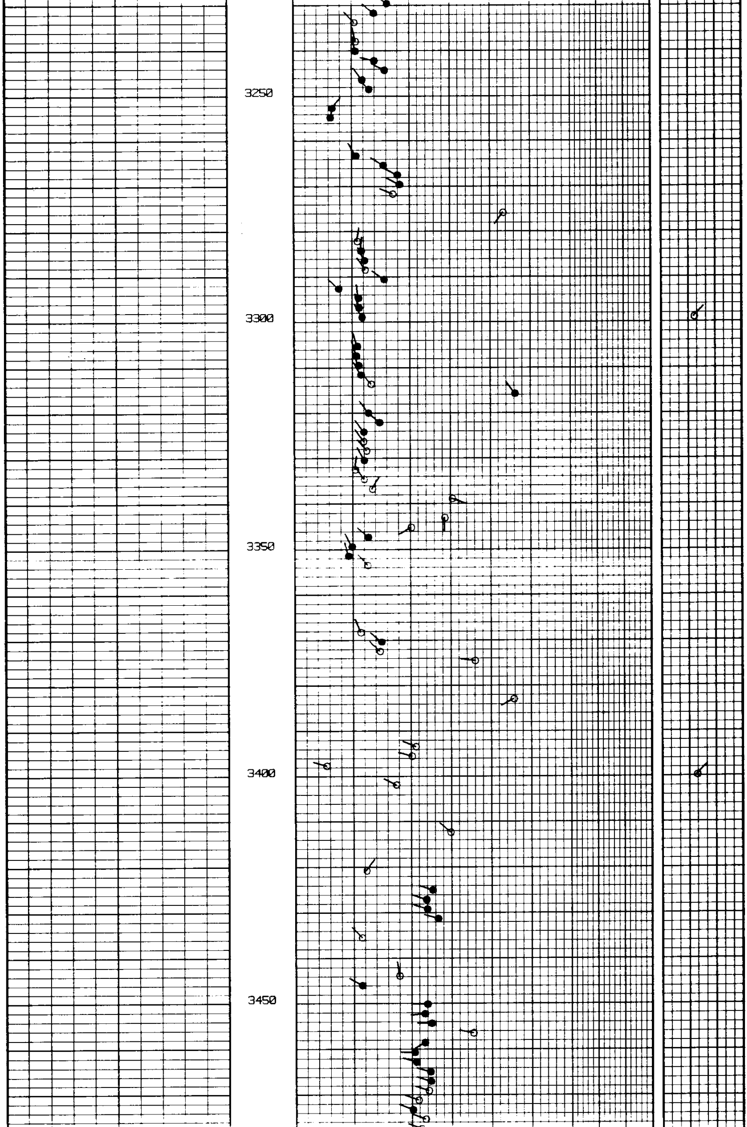


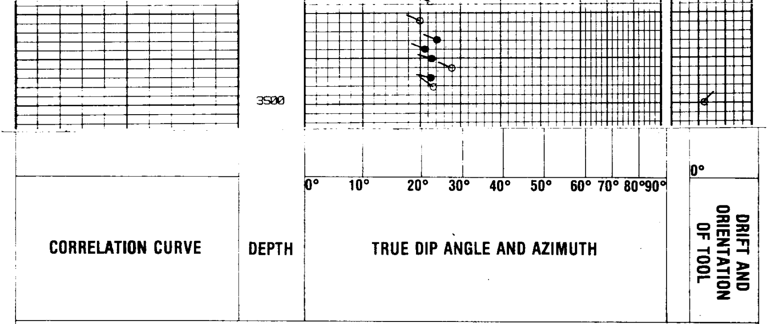












COMPANY	HUTCHINS AND MARS	**T.D. LOGGED**	3497'
WELL	GREAT DISCOVERY 2	**T.D. DRILLER**	3510'
FIELD	CAMAS VALLEY	**T.D. WELEX**	3502
		ELEV: K.B.	515'
		D.F.	514'
COUNTY DOUGLAS **STATE** OREGON		**G.L.**	510'

IGP — .19101

- End -