Great Discovery 2

Welex
5" = 100'

DUAL INDUCTION GUARD LOG

COMPANY HUTCHINS AND MARS
WELL GREAT DISCOVERY #2
FIELD CAMAS VALLEY
COUNTY DOUGLAS STATE OREGON

API No. 36-019-00023
Location [illegible]
[illegible]
[illegible]
Sec. 20 Twp 30S Rge 9W

Other Services
[illegible]

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

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

Date	9-1-[illegible]			
Run No.	ONE			
Depth—Driller	3510'			
Depth—Welex	3502'			
Btm. Log Inter.	3497'			
Top Log Inter.	360'			
Casing—Driller	[illegible] @ 350'	@	@	@
Casing—Welex	360'			
Bit Size	[illegible]			
Type Fluid in Hole	WATER BASE MUD			
Dens. | Visc.	9.0 | 55	|	|	|
pH | Fluid Loss	11 | [illegible] ml	| ml	| ml	| ml
Source of Sample	CIRCULATED			
R_m @ Meas. Temp.	[illegible] @ 60 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	[illegible] @ 63 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	[illegible] @ 61 °F	@ °F	@ °F	@ °F
Source R_{mf} R_{mc}	MEAS. | MEAS.	|	|	|
R_m @ BHT	[illegible] @ 90 °F	@ °F	@ °F	@ °F
Time Since Circ.	8 HOURS			
Time On Bottom	8:00 A.M.			
Max. Rec. Temp.	90 °F @ 3502'	°F @	°F @	°F @
Equip. | Location	2776 | [illegible]	|	|	|
Recorded By	[illegible]			
Witnessed By	MR. MARS			

Fold Here

Service Ticket No. [illegible] API Serial No. [illegible] PGM Version [illegible]

Change 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	[illegible] @ 90 °F	@ °F
R_{mf} BHT	[illegible] @ 90 °F	@ °F
R_{mc} BHT	[illegible] @ 90 °F	@ °F

RESISTIVITY RWA SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

COMPUTED FROM

a	m

RESISTIVITY EQUIPMENT DATA

Run No.	Tool Type and No.	Pad Type	Tool Position	Other
[illegible]	[illegible]		[illegible]	
[illegible]	[illegible] 67273		[illegible]	

Borehole Corrections

shallow medium deep

EQUIPMENT DATA

GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.		Run No.		Run No.		Run No.	
Serial No.		Serial No.		Serial No.		Serial No.	
Model No.		Model No.		Model No.		Model No.	
Diameter		No. of Cent.		Diameter		Diameter	
Detector Model No.		Spacing		Log Type		Log Type	
Type				Source Type		Source Type	
Length		LSA	☐ Yes ☐ No	Serial No.		Serial No.	
Distance to Source		FWDA	☐ Yes ☐ No	Strength		Strength	

LOGGING DATA

GENERAL				GAMMA		ACOUSTIC			DENSITY			NEUTRON		
Run No	Depths		Speed Ft./Min	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
	From	To		L	R	L	R		L	R		L	R	

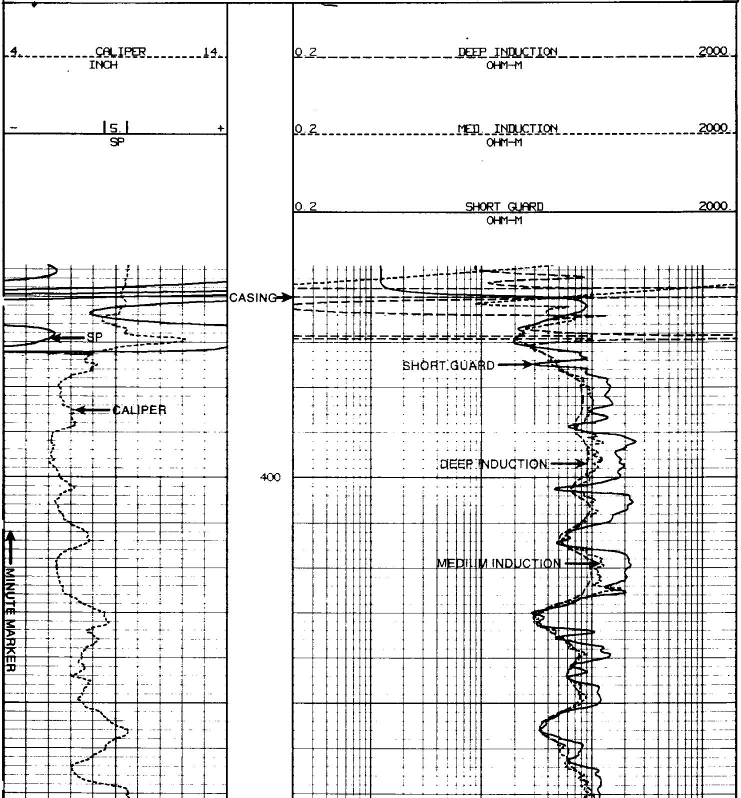
a = m = Δt_{ma} = Δt_{f} = ρ_f =

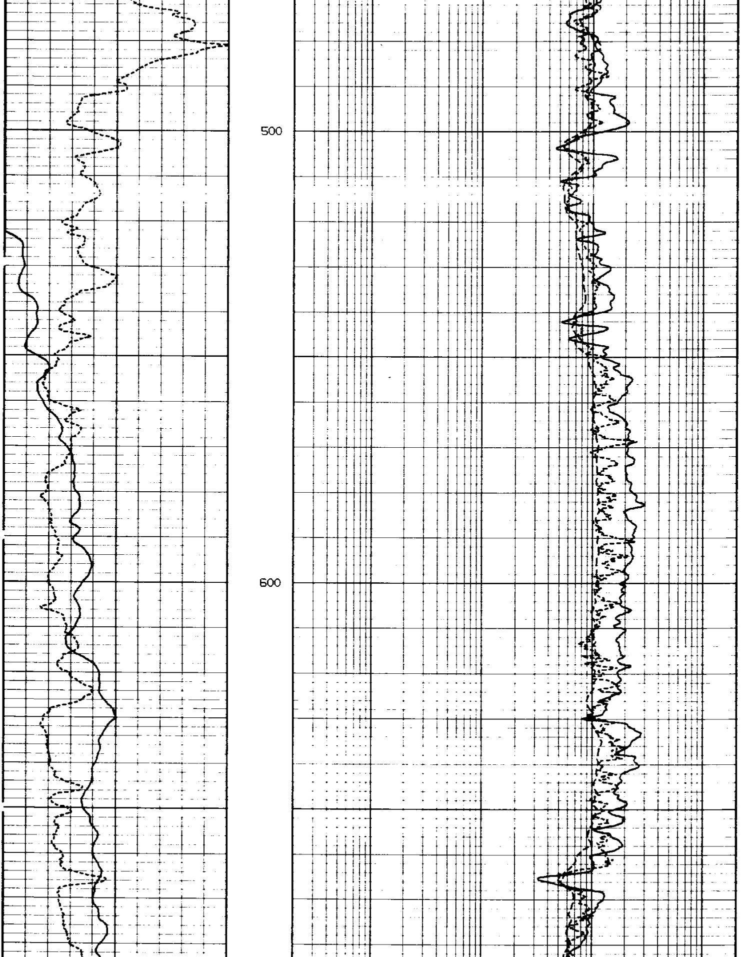
REMARKS

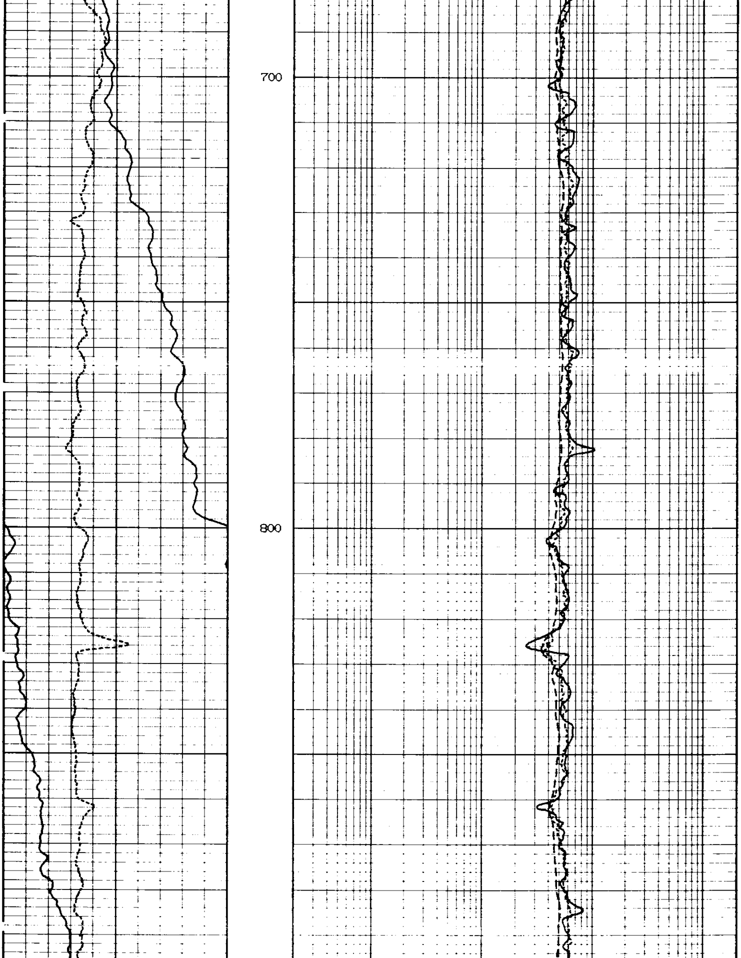
DRAFTED BY: PAT LINEHAN

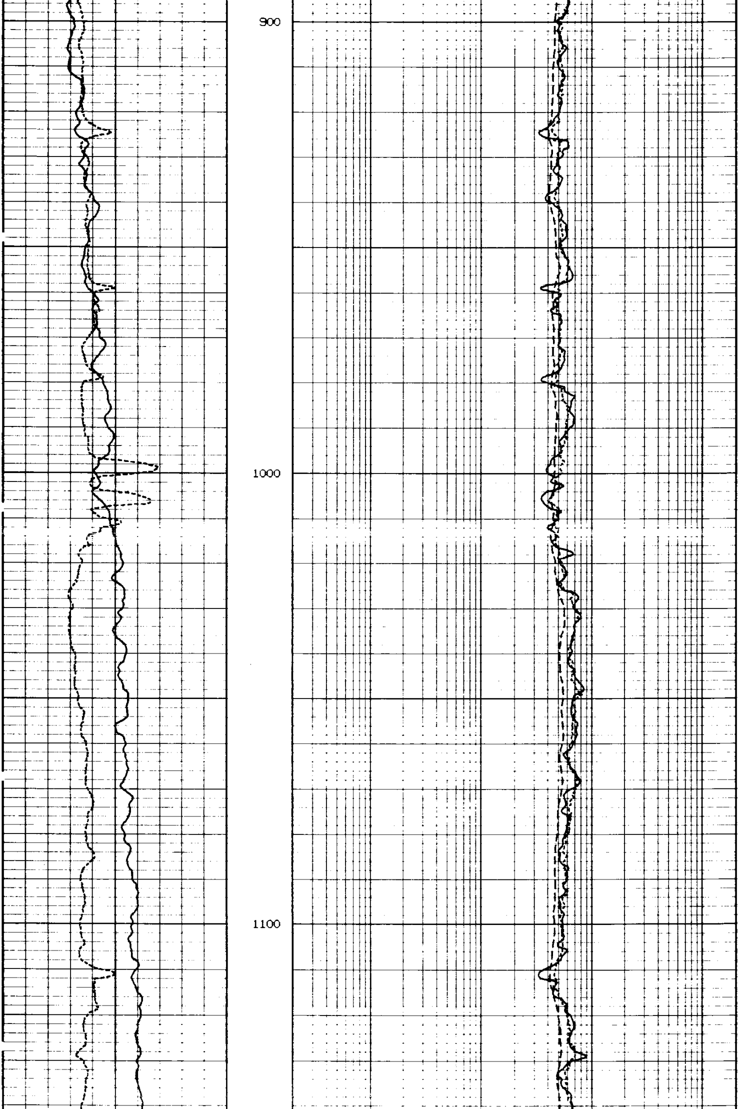
CASED HOLE PARAMETERS	
From:	To
Bit Size	
Csg. O.D.	
Csg. Wt.	

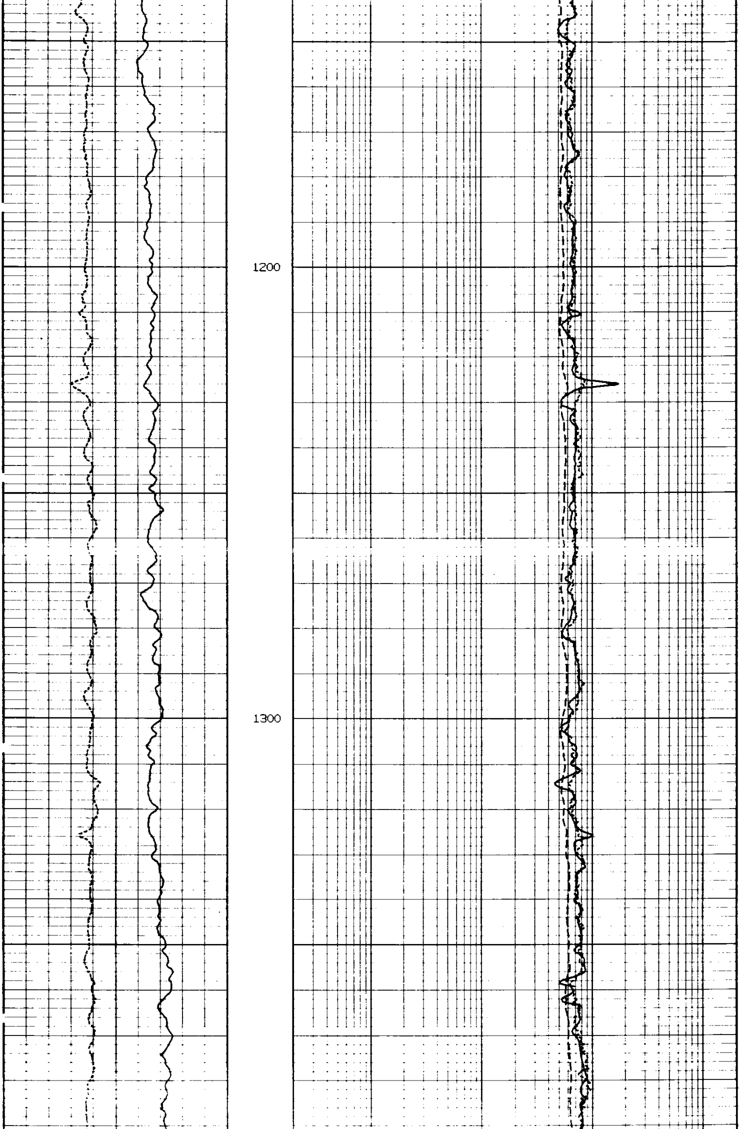
Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations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

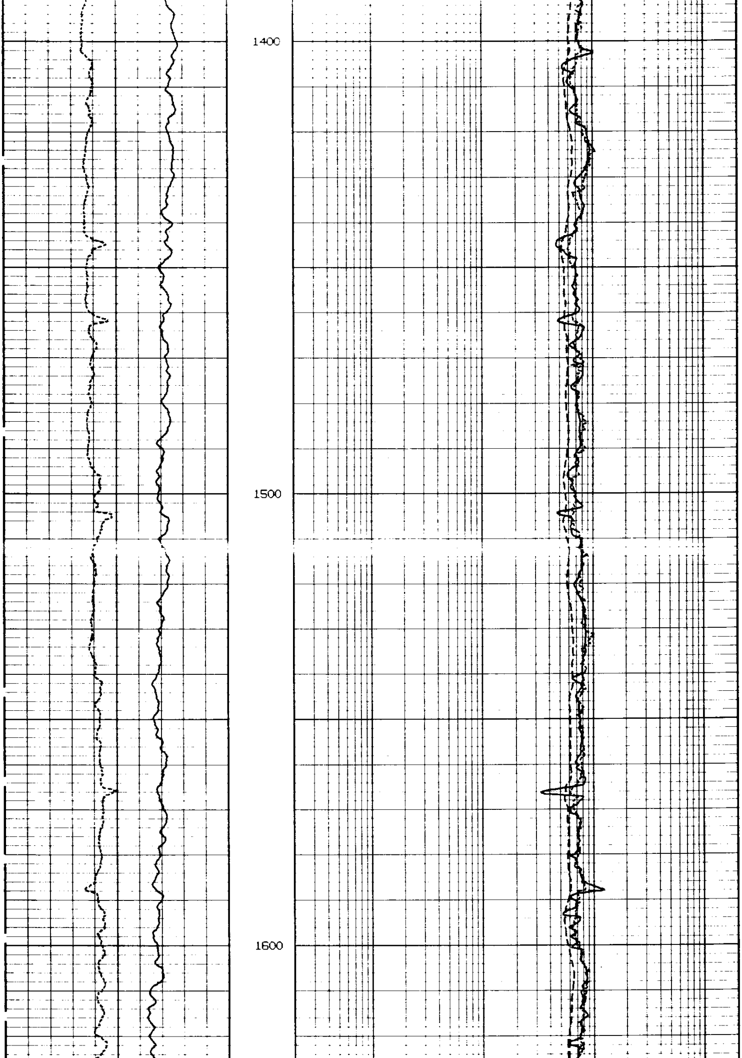


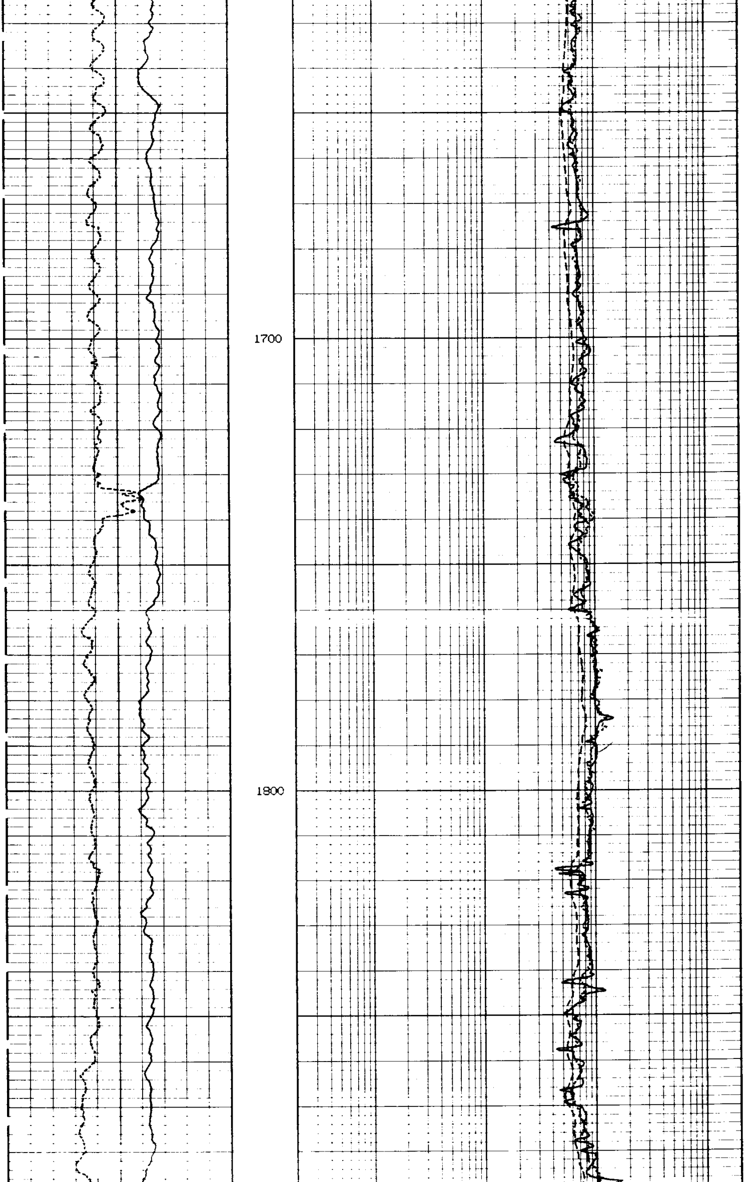


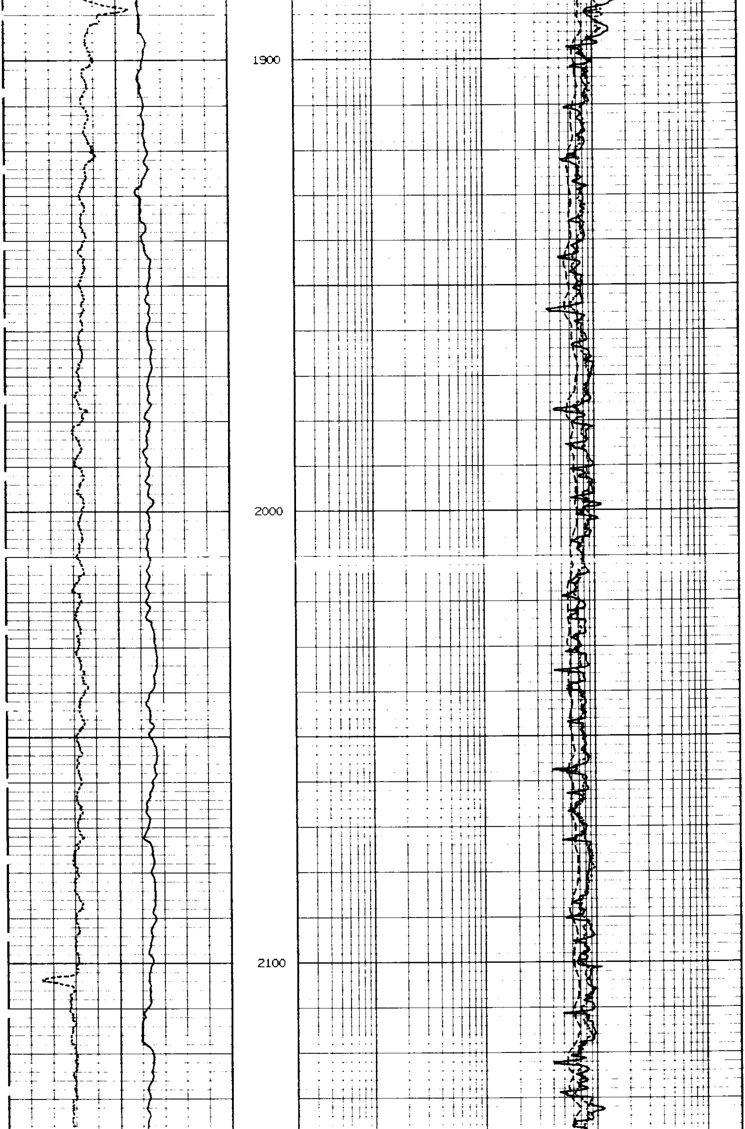


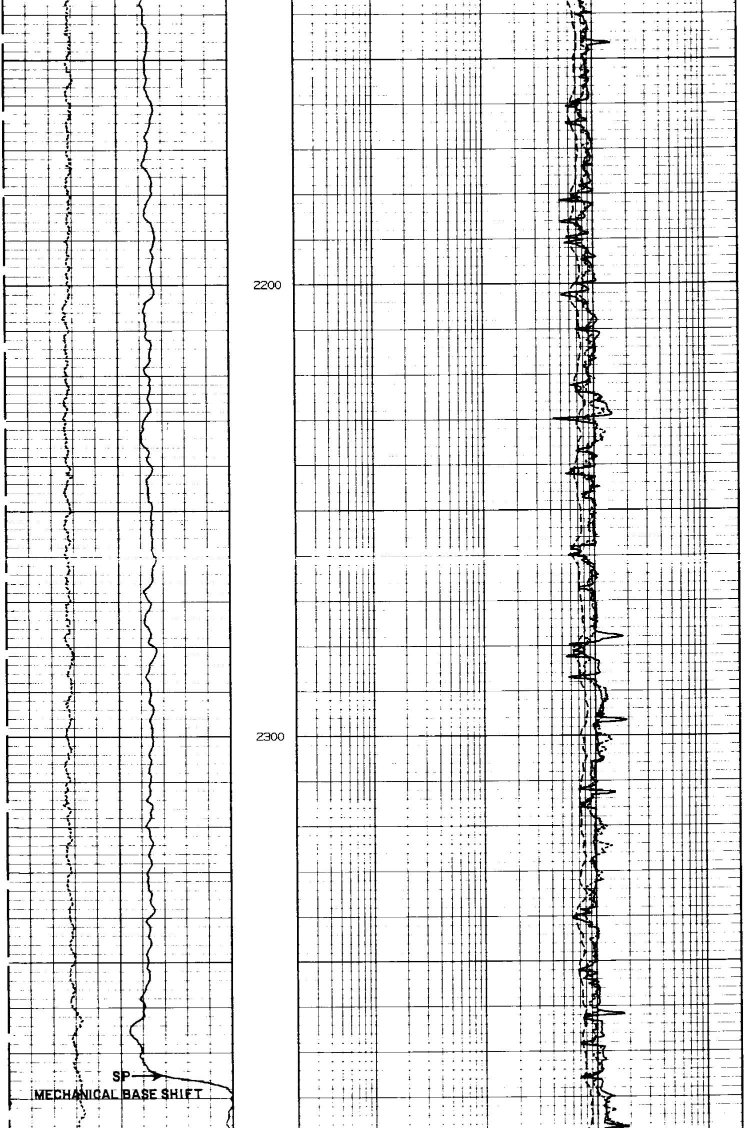


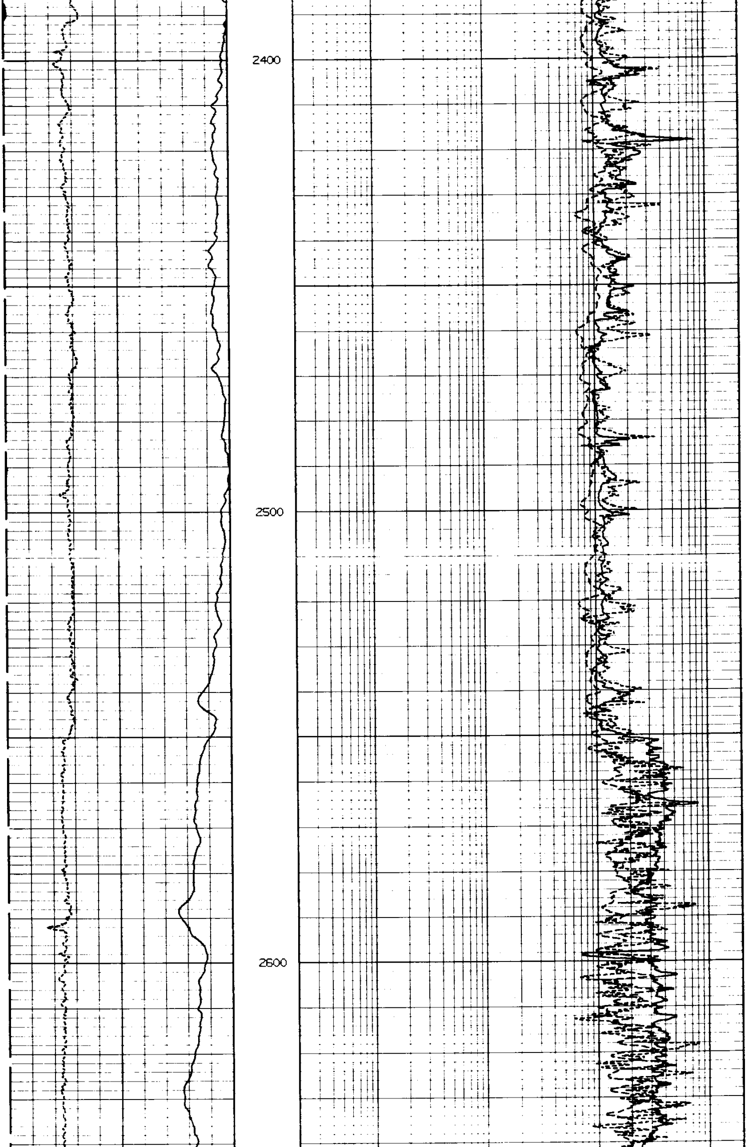


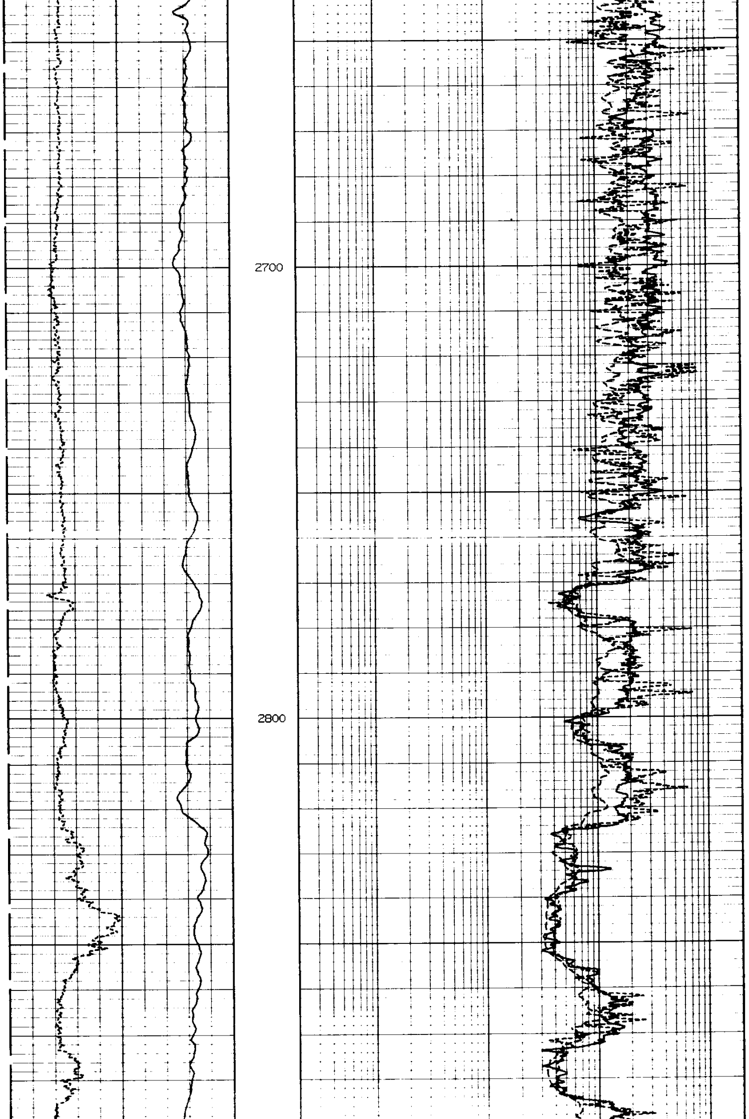


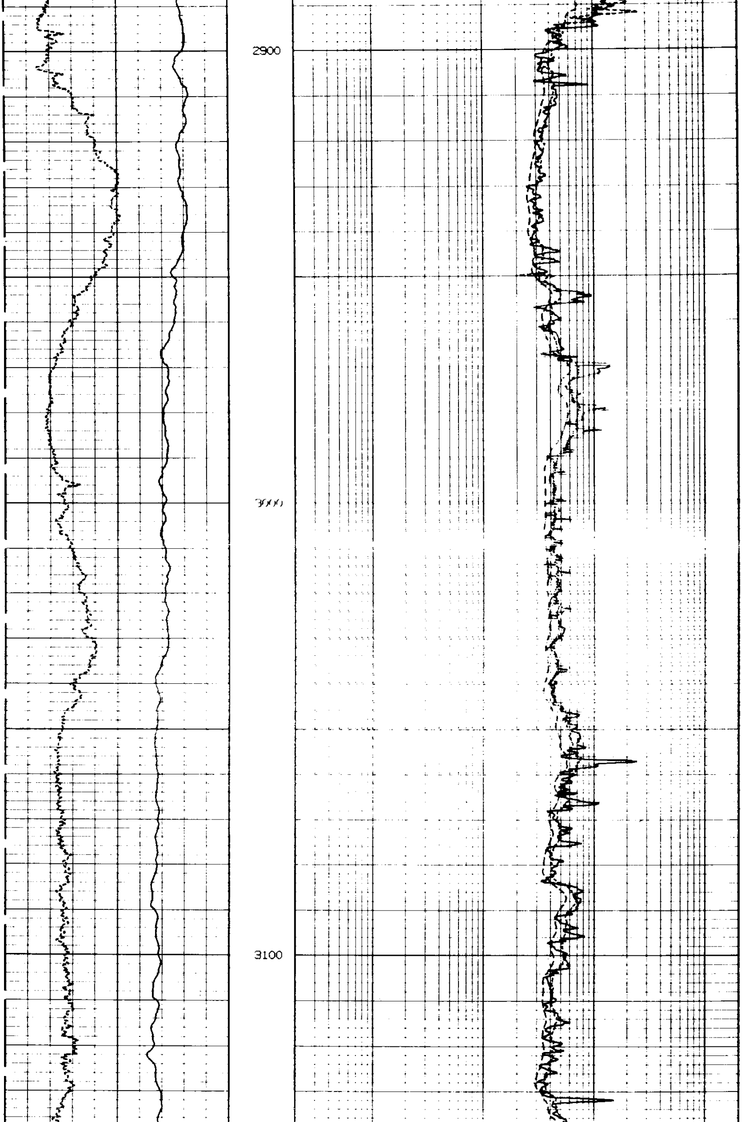


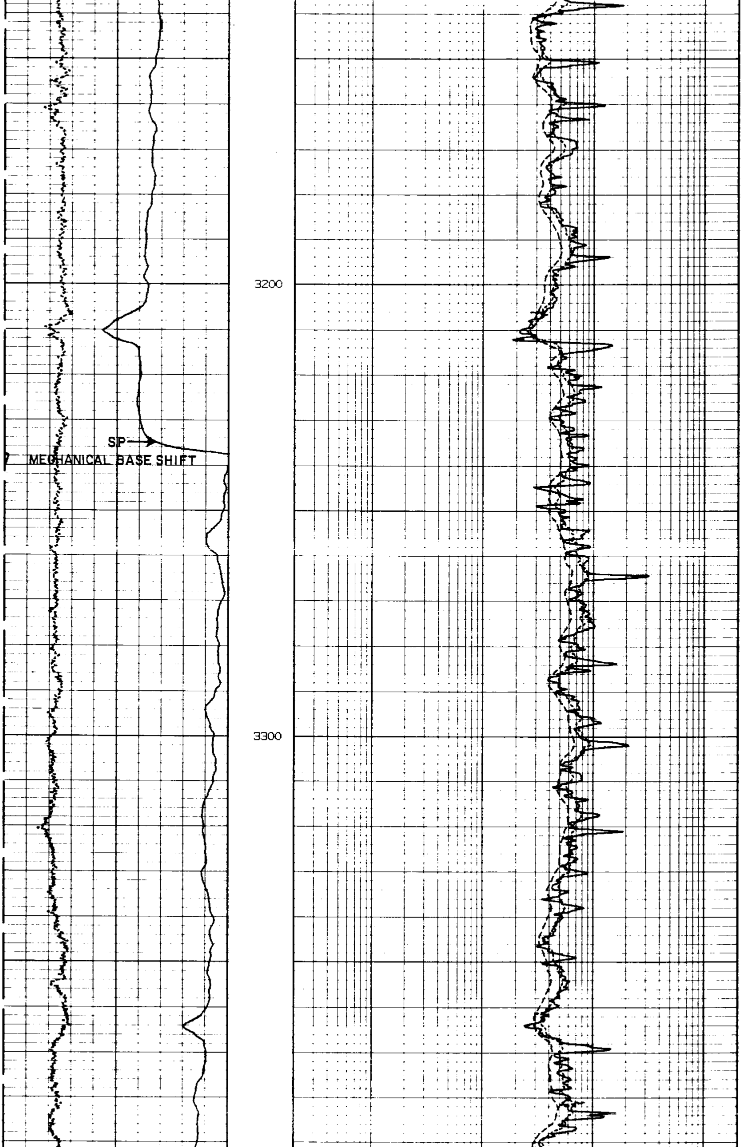


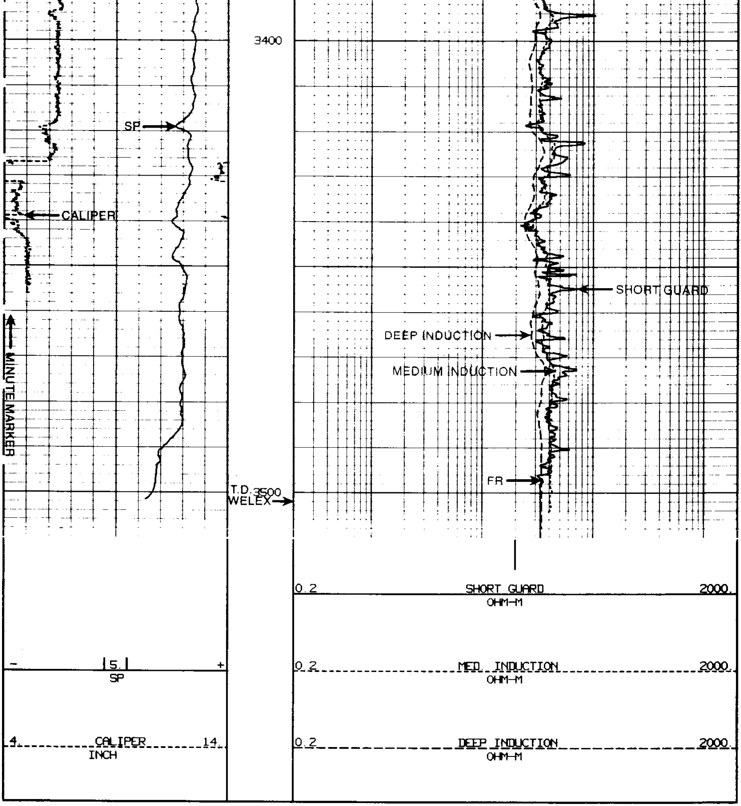




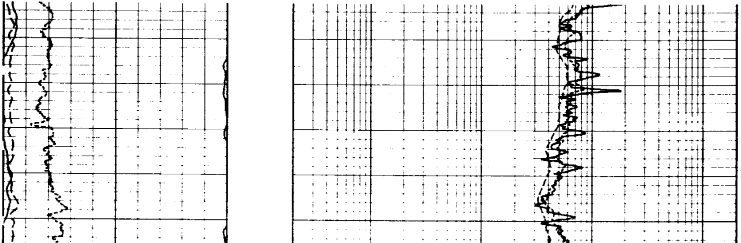


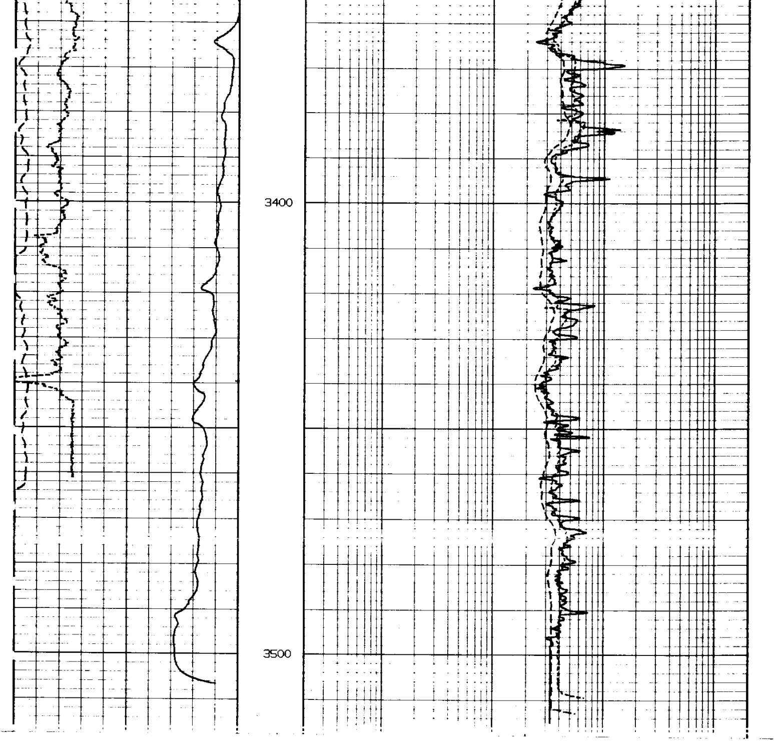






REPEAT SECTION





WELL LOCATION : CAMOS VALLEY

WELL NAME : GREAT DISCOVERY #2

WELEX DLS^{TM} ENG V1.7B 3/15/84 DUAL INDUCTION ACOUSTIC

LOG TAPE ID 39007001

DATE 09/01/84

SER # 98854 MOD. # 280 SRC. # 0 FLD CAL. # 0

BEFORE LOG FIELD CALIBRATION SUMMARY

PERFORMED 09/ 01/ 84 LAST SHOP CALIB 07/ 20/ 84
PROGRAM VERSION V1.7

ITEM	DEEP INDUCTION		MEDIUM INDUCTION	
	FIELD	SHOP	FIELD	SHOP
TOOL ZERO	0.1358	0.	-0.815	0
INT. CALIB	483.39	480.89	514.81	518.46
MANDREL ERROR	0.9167		8.7319	

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SER # 98854        MOD. # 280      SRC. # 0           FLD CAL. # 0


              SHORT GUARD(NORMAL) BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED   09/ 01/ 84     LAST SHOP CALIB    07/ 20/ 84
PROGRAM VERSION V1.7

                  MEASURED CALIBRATED UNITS
LOW INT CAL         0.5297   0.5603    OHMM
HIGH INT CAL       157.56   153.03     OHMM

SER # 67279       MOD. # 141      SRC. # 0           FLD CAL. # 0


                     BEFORE LOG CALI CALIBRATION

PERFORMED   09/ 01/ 84     LAST SHOP CALIB    05/ 07/ 84
PROGRAM VERSION V1.7

               MEASURED   CALIBRATED   UNITS
VALUE 1          5.502        8.       INCH
VALUE 2         15.45        16.       INCH


SER # 29270       MOD. # 202      SRC. # 0           FLD CAL. # 0



                        SHOP CALIBRATION SUMMARY

PERFORMED   09/ 01/ 84     LAST SHOP CALIB    07/ 20/ 84
PROGRAM VERSION V1 7

                           DEEP INDUCTION           MEDIUM INDUCTION
     ITEM              MEASURED    CALIBRATED    MEASURED    CALIBRATED
TOOL ZERO             0.2373          0.        -0.458          0.
INT. CALIB.           480.07        480.89      510.22        518.46
WHEEL                  499.3        500.15      492.37        500.33
MANDREL ERROR                        0.9167                     8.7319
SER 98854
                     SHORT GUARD(NORMAL) SHOP CALIBRATION
PERFORMED   07/ 20/ 84     LAST SHOP CALIB    03/ 20/ 84
PROGRAM VERSION V1.7

                        TOOL VALUE   MEASURED   CALIBRATED
EXT LOW CAL VE             2880
EXT LOW CAL IALPHA        14767        2.4502        2.
EXT HIGH CAL VE            8886
EXT HIGH CAL IALPHA         705      245.02        200.

INT LOW CAL VE              984
INT LOW CAL IALPHA         9401        0.6864      0.5603
INT HIGH CAL VE            4866
INT HIGH CAL IALPHA         504      187.47      153.03

          NORMALIZER     15.933    INTERCEPT         0
SER # 67279       MOD. # 141      SRC. # 0           FLD CAL. # 0


                 SHORT GUARD(NORMAL) AFTER SURVEY CALIBRATION
PERFORMED   09/ 01/ 84     LAST SHOP CALIB    07/ 20/ 84
PROGRAM VERSION V1.7

                   BEFORE     AFTER    UNITS
LOW INT CAL         0.5297    1.586    OHMM
HIGH INT CAL       157.56   149.27     OHMM

SER # 67279       MOD. # 141      SRC. # 0           FLD CAL. # 0



                  AFTER  LOG  FIELD CALIBRATION SUMMARY

PERFORMED   09/ 01/ 84     LAST SHOP CALIB    07/ 20/ 84
PROGRAM VERSION V1.7

                          DEEP INDUCTION            MEDIUM INDUCTION
     ITEM                AFTER       BEFORE         AFTER          BEFORE
TOOL ZERO               0.1358         0.          -0.774            0.
INT. CALIB.             473.05       480.89        481.36          518.46
MANDREL ERROR           0.9167                      8.731



SER # 98854       MOD. # 280      SRC. # 0           FLD CAL. # 0



                  AFTER LOG CALI CALIBRATION SUMMARY
PERFORMED   09/ 01/ 84     LAST SHOP CALIB    05/ 07/ 84
PROGRAM VERSION V1.7


               BEFORE        AFTER    UNITS
VALUE 1           8.         18.304    INCH
VALUE 2          16.         24.992    INCH


SER # 29270       MOD. # 202      SRC. # 0           FLD CAL. # 0
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