WELEX

OPEN HOLE

DUAL INDUCTION GUARD LOG

COMP. ARCO OIL AND GAS CO.
WELL LONGVIEW FIBRE 11-31-64
FIELD MIST
COUNTY COLUMBIA ST. OREGO

COMPANY	ARCO OIL AND GAS CO.		
WELL	LONGVIEW FIBRE 11-31-64		
FIELD	MIST		
COUNTY	COLUMBIA	STATE	OREGON
API NO.	N/A	OTHER SERVICES	DIG
LOCATION	700 FT. SOUTH AND 500 FT. EAST OF THE NORTHWEST CORNER OF:		

SEC. 31 TWP. 6N RGE. 4W

PERMANENT DATUM GROUND LEVEL ELEV. 953.2
LOG MEASURED FROM KELLY BUSHING 10 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM KELLY BUSHING

ELEV.: K.B. 963.2
D.F. -----
G.L. 953.2

DATE	08/01/87			
RUN NO.	ONE			
DEPTH-DRILLER	1745			
DEPTH-WELEX	1739			
BTM. LOG INTER.	1736			
TOP LOG INTER.	456			
CASING-DRILLER	9 5/8 @ 456	@	@	@
CASING-WELEX	456			
BIT SIZE	8 1/2			
TYPE FLUID IN HOLE	WATER BASE MUD			
DENS. : VISC.	9.9 : 4.1	:	:	:
PH : FLUID LOSS	9.9 : 5.6 ML	: ML	: ML	: ML
SOURCE OF SAMPLE	CIRCULATED			
RM @ MEAS. TEMP.	2.23 @ 58 F	@ F	@ F	@ F
RMF @ MEAS. TEMP.	1.41 @ 55 F	@ F	@ F	@ F
RMC @ MEAS. TEMP.	2.09 @ 55 F	@ F	@ F	@ F
SOURCE RMF RMC	MEAS. : MEAS.	:	:	:
RM @ BHT	1.420 @ 100 F	@ F	@ F	@ F
TIME CIRC. STOPPED	8:00 PM			
TIME ON BOTTOM	2:00 AM			
MAX. REC. TEMP.	100 F@ BHT	F@	F@	F@
EQUIP. : LOCATION	1888 : WDLND	:	:	:
RECORDED BY	MIKE HULL			
WITNESSED BY	MR. JACKSON			

FOLD HERE

SERVICE TICKET NO.: 38298 API SERIAL NO.: N/A PGM VERSION: V1.07 09/06/85

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLES		
DATE : SAMPLE NO.	:	:
DEPTH-DRILLER		
TYPE FLUID IN HOLE		
DENS. : VISC.	:	:
PH : FLUID LOSS	: ML	: ML
SOURCE OF SAMPLE		
RM @ MEAS. TEMP.	@ F	@ F
RMF @ MEAS. TEMP.	@ F	@ F
RMC @ MEAS. TEMP.	@ F	@ F
SOURCE: RMF : RMC	:	:
RM @ BHT	1.428 @ 188 F	@ F
RMF @ BHT	0.857 @ 188 F	@ F
RMC @ BHT	1.278 @ 188 F	@ F

RESISTIVITY SCALE CHANGES

TYPE LOG	DEPTH	SCALE UP HOLE	SCALE DOWN HOLE

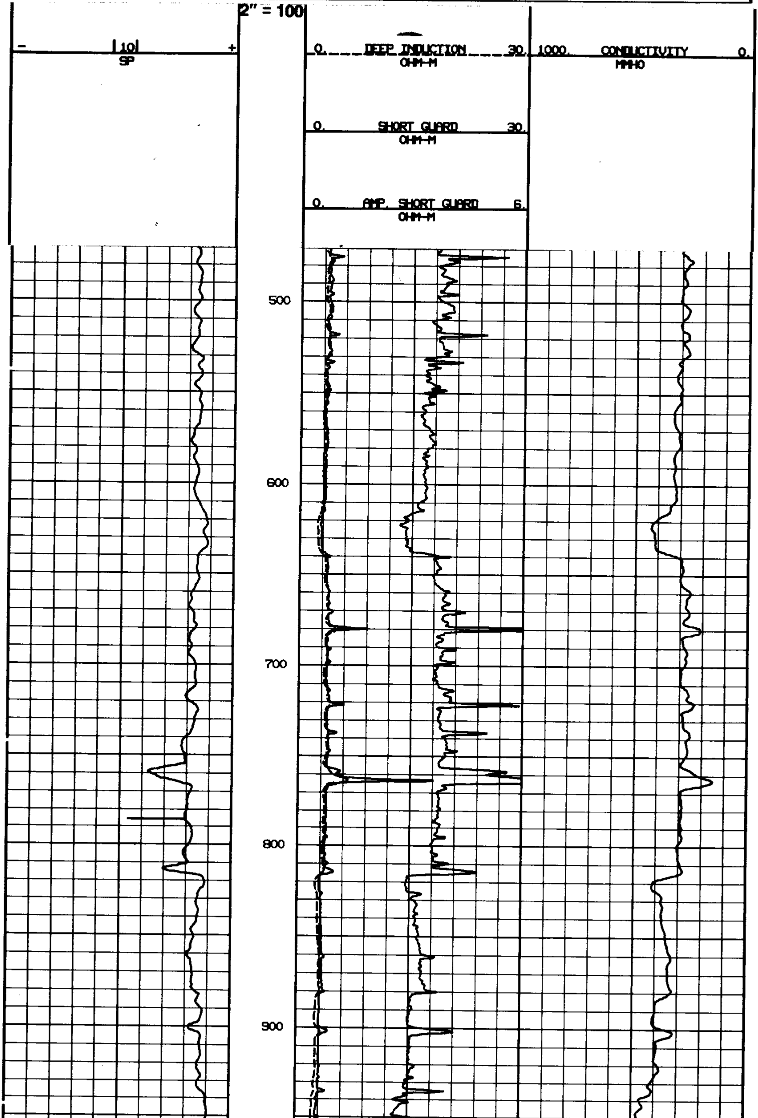
RESISTIVITY EQUIPMENT DATA

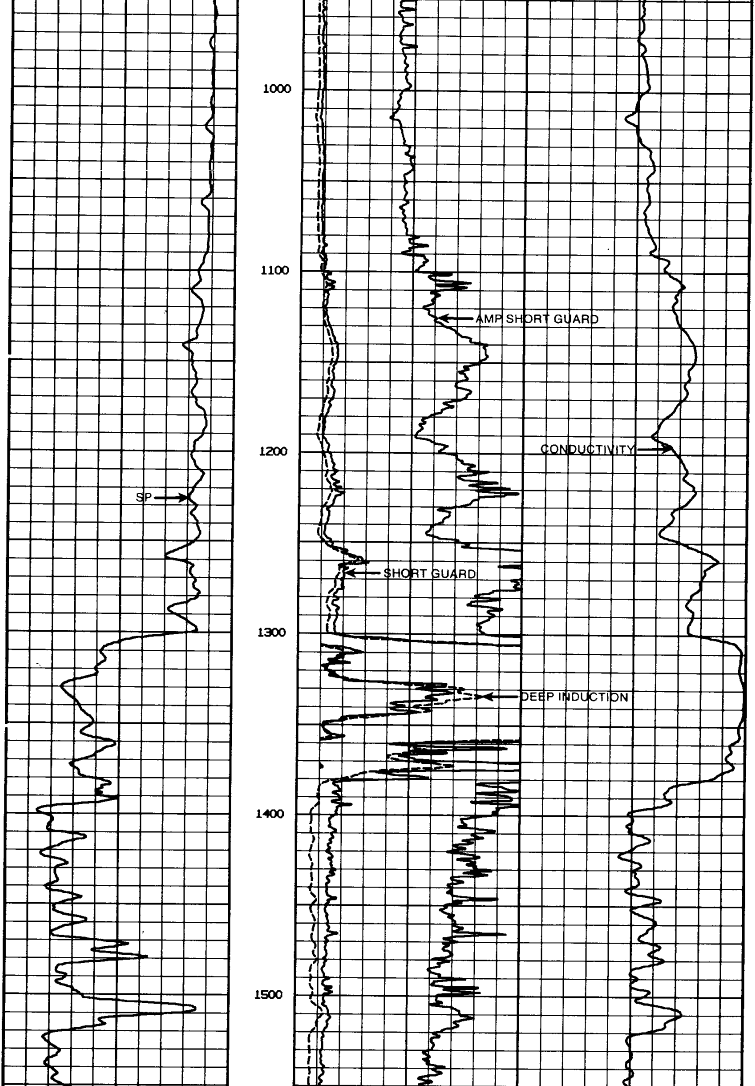
RUN NO.	TOOL TYPE AND NO.	PAD TYPE	TOOL POSITION	OTHER
ONE	DIL 24405	N/A	FREE	
ONE	GRD 24019	N/A	FREE	

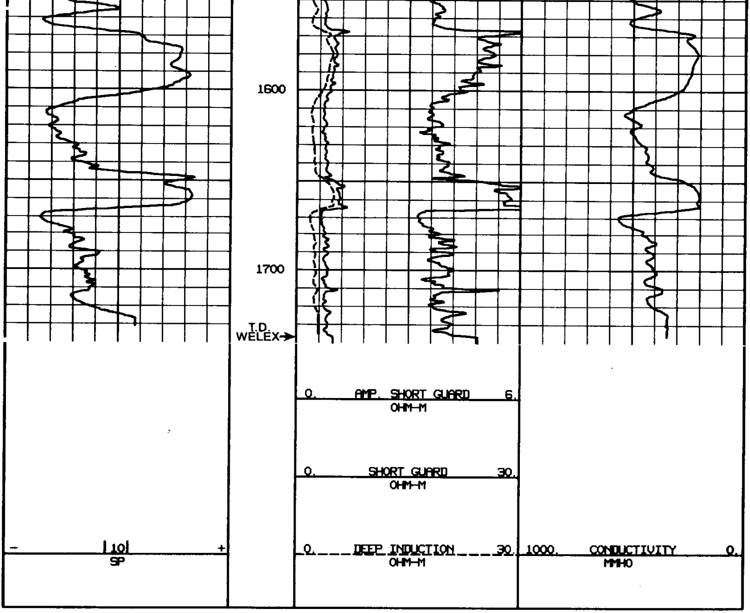
BOREHOLE CORRECTIONS: SHALLOW. MEDIUM. DEEP.

REMARKS: THANKYOU FOR USING WELEX.

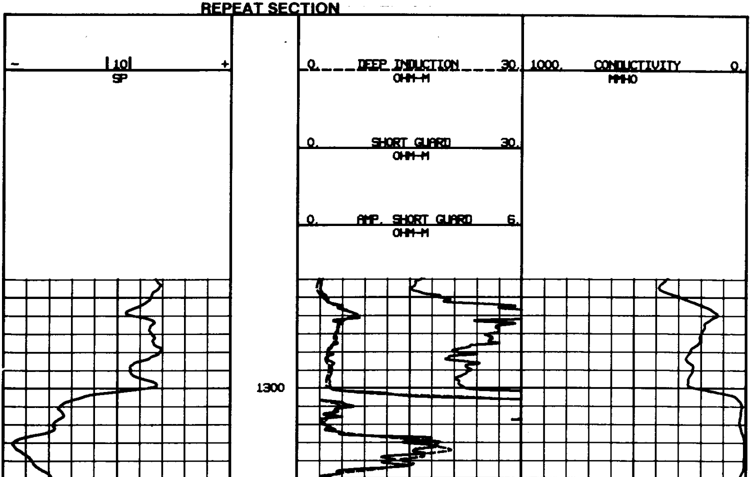
WELEX DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS, OR RECOMMENDATIONS WHICH MAY BE GIVEN BY WELEX PERSONNEL OR WHICH MAY APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, OR CONVERSIONS, OR RECOMMENDATIONS AGREES THAT WELEX IS NOT RESPONSIBLE, EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILFULL MISCONDUCT FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

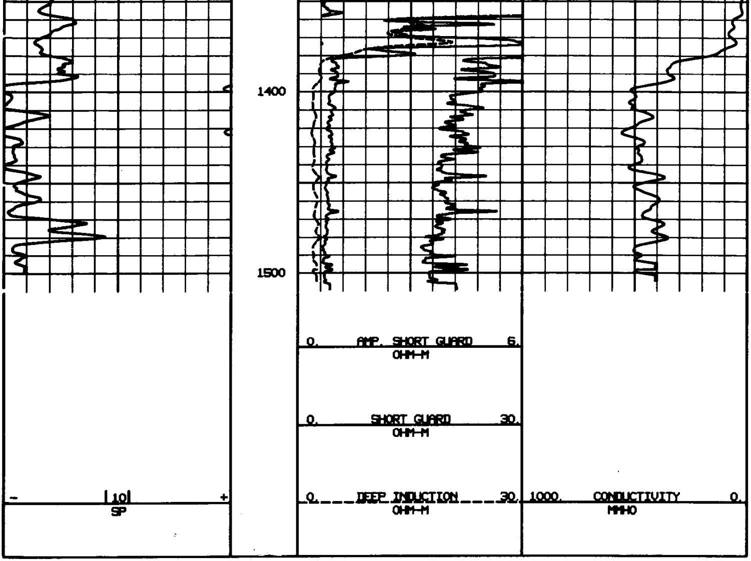




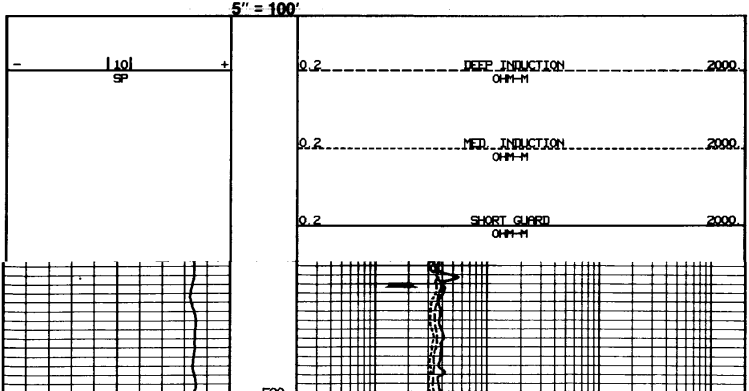


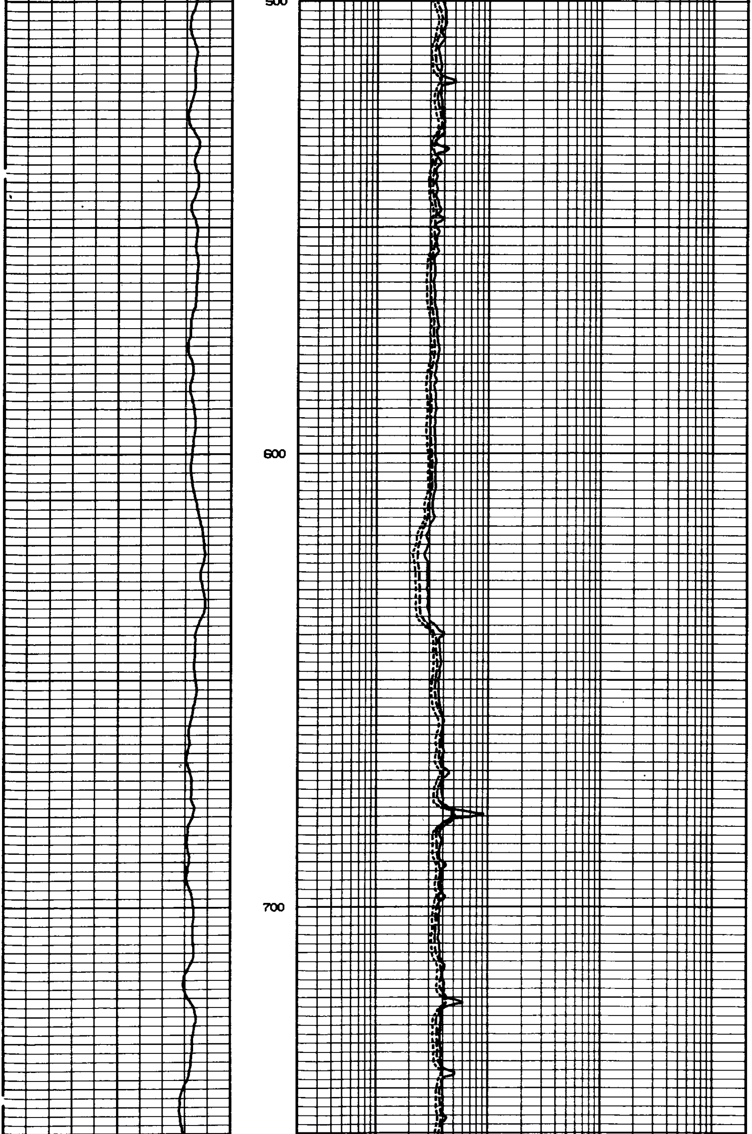
REPEAT SECTION

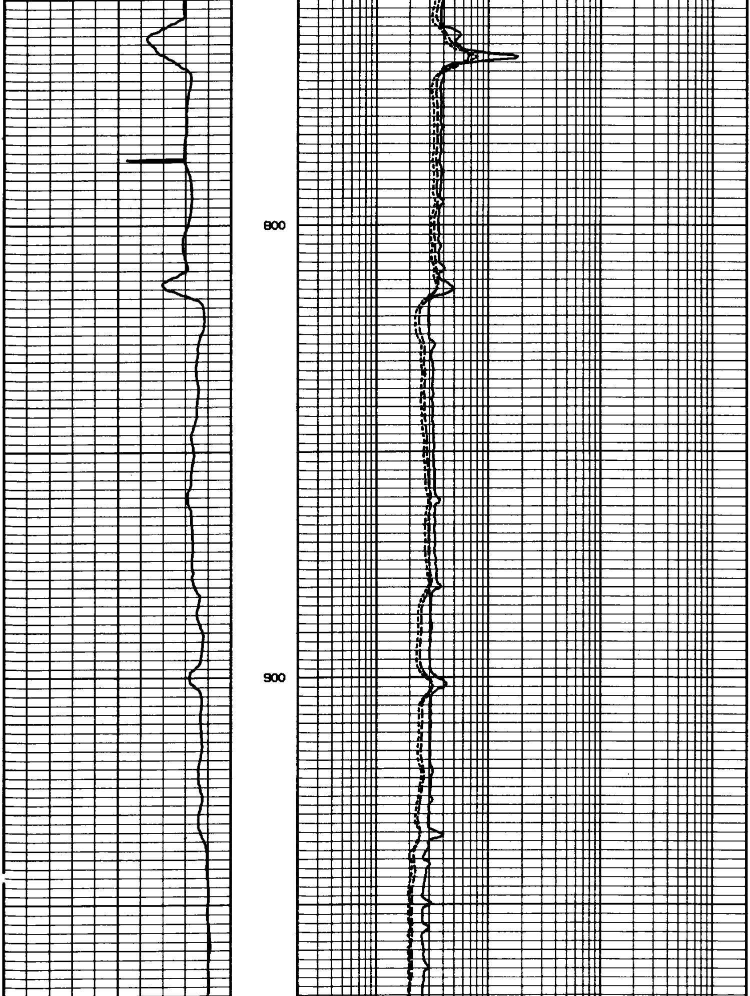


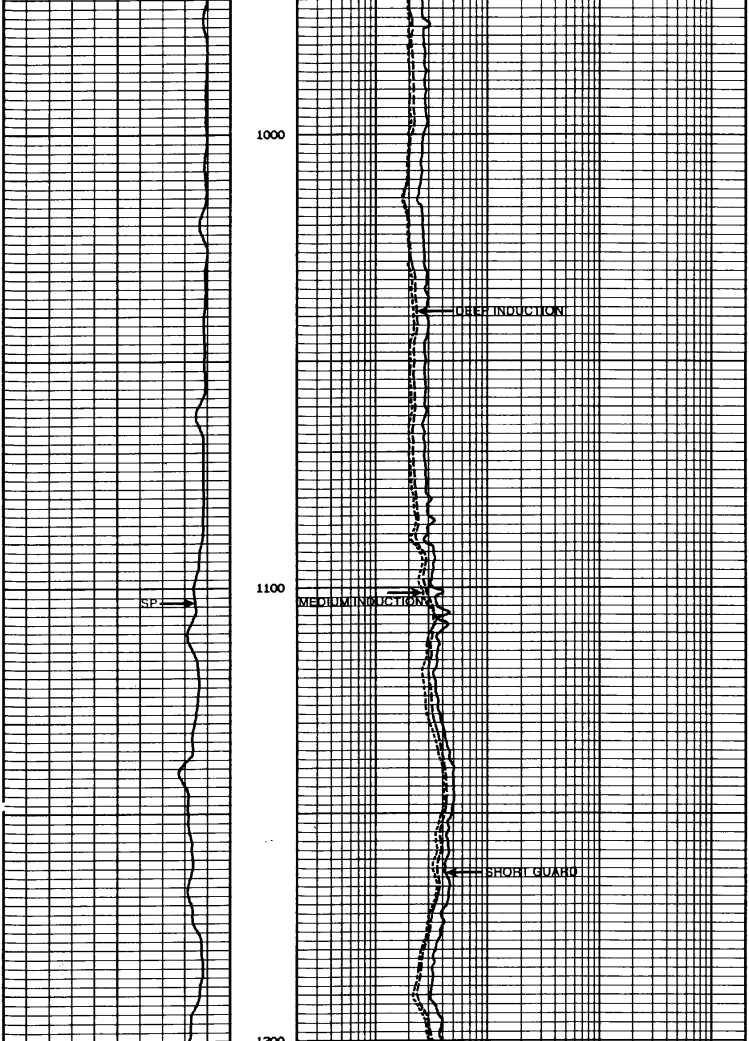


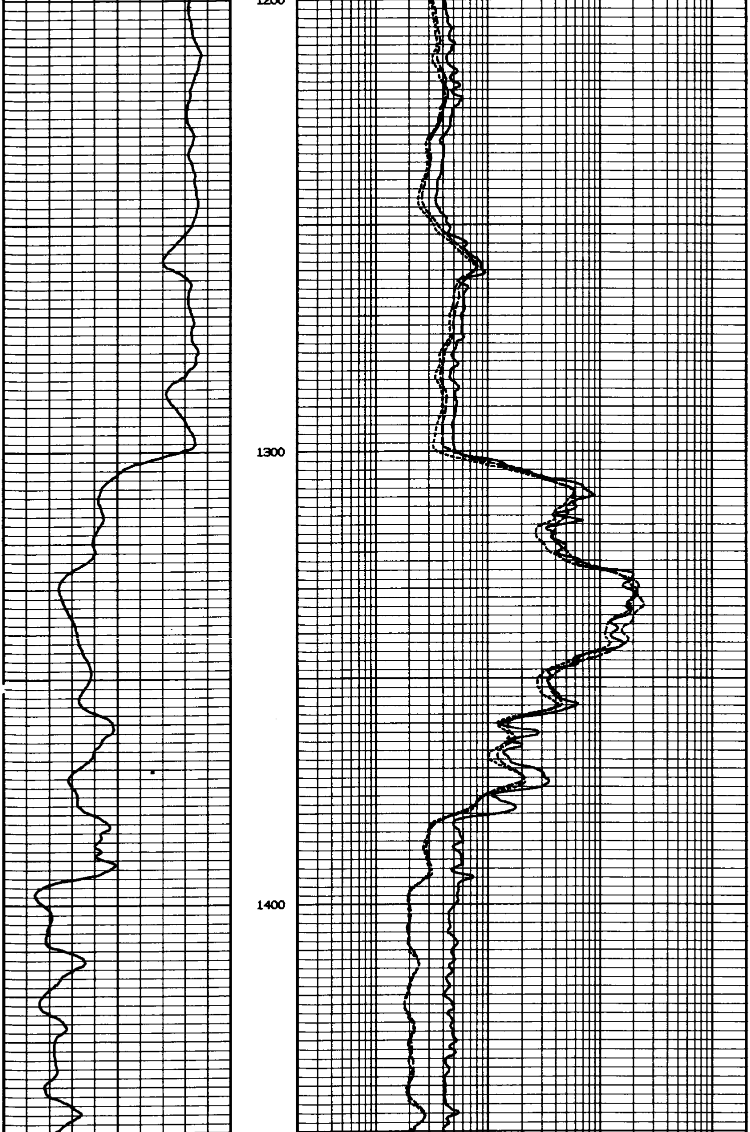
5" = 100'

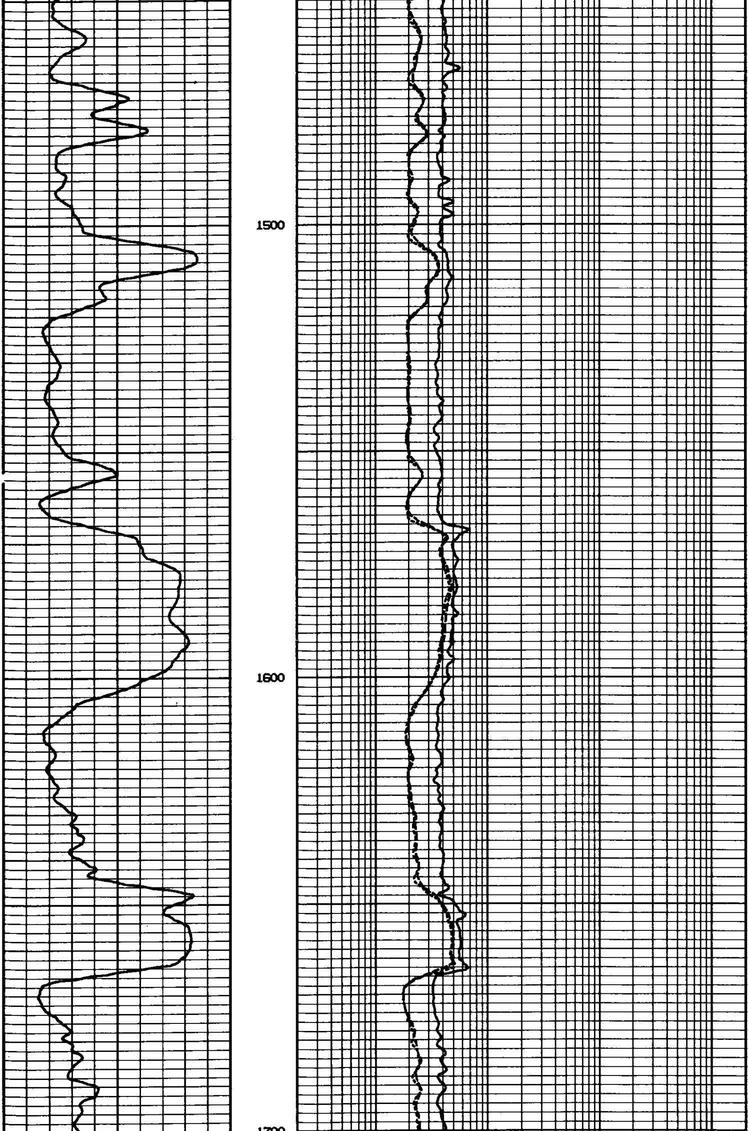


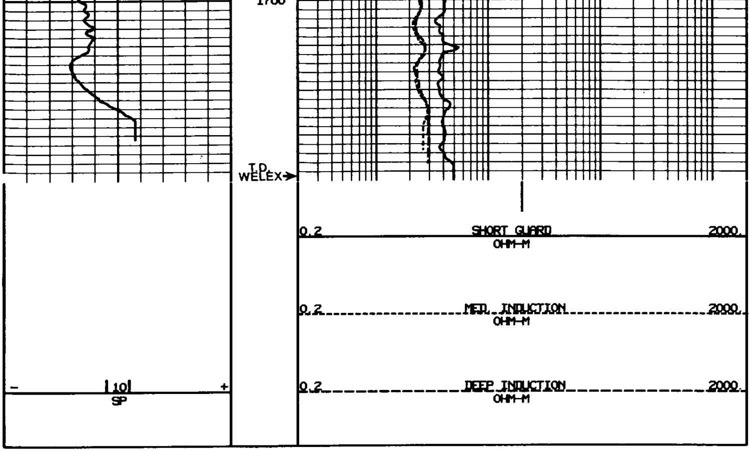




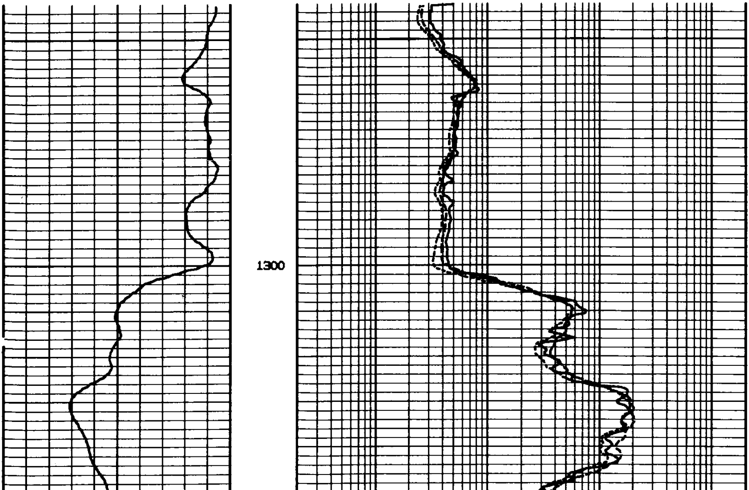


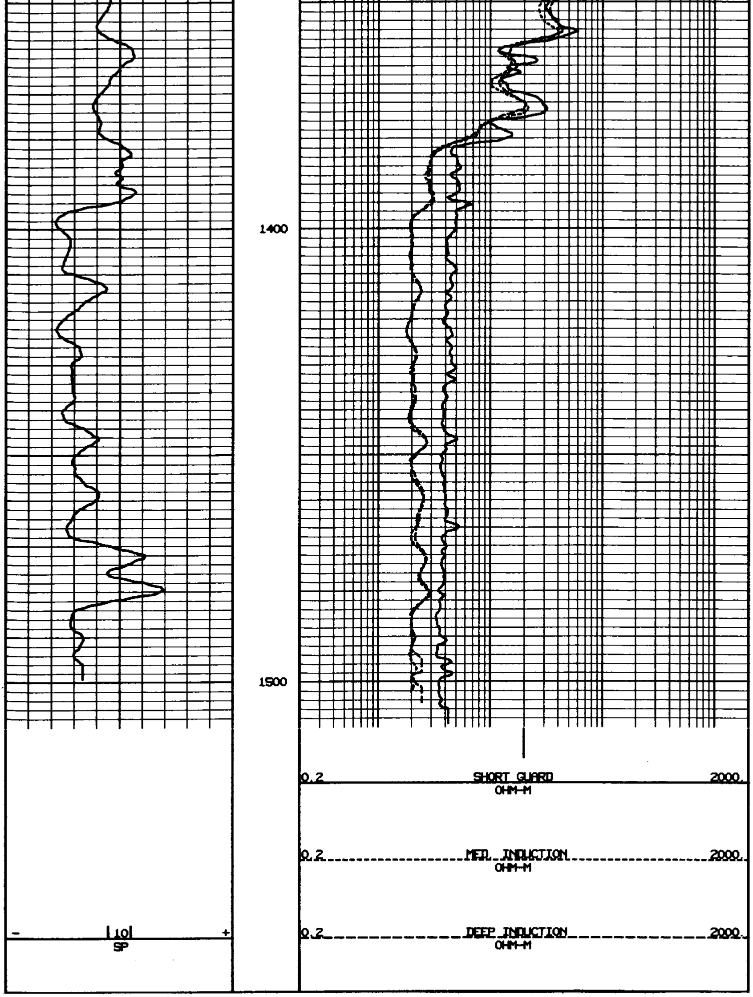






REPEAT SECTION





SHOP CALIBRATION SUMMARY

PERFORMED 08/ 01/ 87 LAST SHOP CALIB 07/ 31/ 87
PROGRAM VERSION V1.87

	DEEP INDUCTION		MEDIUM INDUCTION	
ITEM	MEASURED	CALIBRATED	MEASURED	CALIBRATED
TOOL ZERO	-0.125	0.	2.6055	0.
INT. CALIB.	505.19	500.18	509.36	502.19
WHEEL	497.2	500.15	497.67	500.33
MANDREL ERROR		4.5803		7.1091

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 SER # 24405       MOD. # 311     SRC. # 0            FLD CAL. # 0


                      SHORT GUARD(NORMAL) SHOP CALIBRATION

 PERFORMED   07/ 31/ 87     LAST SHOP CALIB   07/ 15/ 87
 PROGRAM VERSION V1.87

                         MEASURED   CALIBRATED   UNITS
 SHOP CAL LOW              1.979          2.     OHMM
 SHOP CAL HIGH             197.9        200.     OHMM
 INTERNAL CAL LOW         2.0019      2.0231     OHMM
 INTERNAL CAL HIGH        195.56      197.64     OHMM

 SER # 24019       MOD. # 478     SRC. # 0            FLD CAL. # 0


                  BEFORE LOG  FIELD CALIBRATION SUMMARY

 PERFORMED   08/ 01/ 87     LAST SHOP CALIB   07/ 31/ 87
 PROGRAM VERSION V1.87

                           DEEP INDUCTION            MEDIUM INDUCTION
     ITEM                FIELD        SHOP          FIELD         SHOP
  TOOL ZERO             -0.084         0.          2.0205          0.
  INT. CALIB.            506.7      500.18          501.6       502.19
  MANDREL ERROR         4.5803                     7.1091


                  SHORT GUARD(NORMAL) BEFORE SURVEY CALIBRATION SUMMARY

 PERFORMED   08/ 01/ 87     LAST SHOP CALIB   07/ 31/ 87
 PROGRAM VERSION V1.87

                    MEASURED CALIBRATED UNITS
 LOW INT CAL          2.0314  2.0231     OHMM
 HIGH INT CAL          196.9  197.64     OHMM

 SER # 24019       MOD. # 478     SRC. # 0            FLD CAL. # 0


                  AFTER  LOG  FIELD CALIBRATION SUMMARY

 PERFORMED   08/ 01/ 87     LAST SHOP CALIB   07/ 31/ 87
 PROGRAM VERSION V1.87

                           DEEP INDUCTION            MEDIUM INDUCTION
     ITEM                AFTER      BEFORE          AFTER       BEFORE
  TOOL ZERO                 0.          0.         2.0204          0.
  INT. CALIB.           501.43       506.7          508.4        501.6
  MANDREL ERROR         4.5803                     7.1091


 SER # 24405       MOD. # 311     SRC. # 0            FLD CAL. # 0


                  SHORT GUARD(NORMAL) AFTER SURVEY CALIBRATION

 PERFORMED   08/ 01/ 87     LAST SHOP CALIB   07/ 31/ 87
 PROGRAM VERSION V1.87

                     BEFORE      AFTER   UNITS
 LOW INT CAL         2.0314  1.9428      OHMM
 HIGH INT CAL         196.9  197.52      OHMM

 SER # 24019       MOD. # 478     SRC. # 0            FLD CAL. # 0
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