WELEX

OPEN HOLE

COMPENSATED DENSITY DUAL SPACED NEUTRON 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	ELEV.:K.B. 963.2
LOG MEASURED FROM	KELLY BUSHING 10	FT. ABOVE PERM. DATUM	D.F. -----
DRILLING MEASURED FROM	KELLY BUSHING		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.: 30290 API SERIAL NO.: N/A PGM VERSION: V1.07 09/06/85

EQUIPMENT DATA

GAMMA		ACOUSTIC		DENSITY		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE	RUN NO.	ONE	RUN NO.	ONE
SERIAL NO.	102710	SERIAL NO.	29786	SERIAL NO.	D300	SERIAL NO.	102710
MODEL NO.	123	MODEL NO.	200	MODEL NO.	123	MODEL NO.	123
DIAMETER	3 3/8	NO. OF CENT.	THREE	DIAMETER	3 5/8	DIAMETER	3 3/8
DETECTOR MODEL NO.	N/A	SPACING	2 FOOT	LOG TYPE	GAMMA	LOG TYPE	NEUTRON
TYPE	SCINT.			SOURCE TYPE	CES 137	SOURCE TYPE	AM/BER 241
LENGTH	N/A	LSA	YES NO	SERIAL NO.	81	SERIAL NO.	25
DISTANCE TO SOURCE	N/A	FWDA	YES NO	STRENGTH	0.5 CURIES	STRENGTH	10.5 CURIES

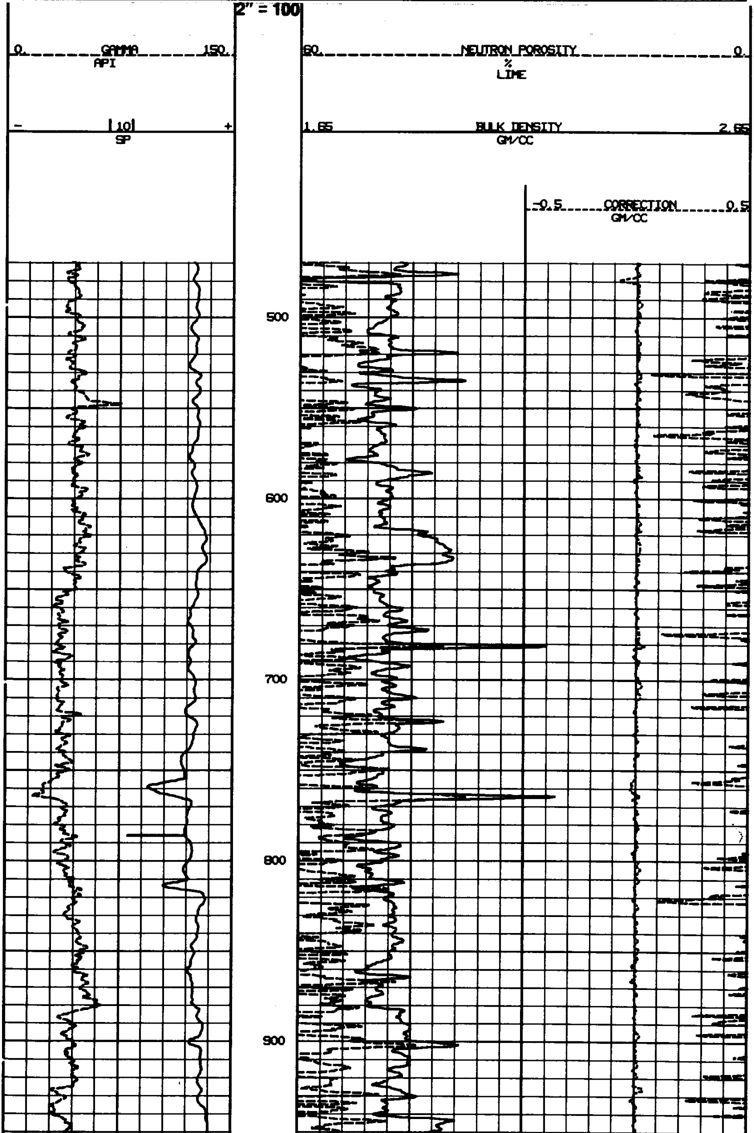
LOGGING DATA

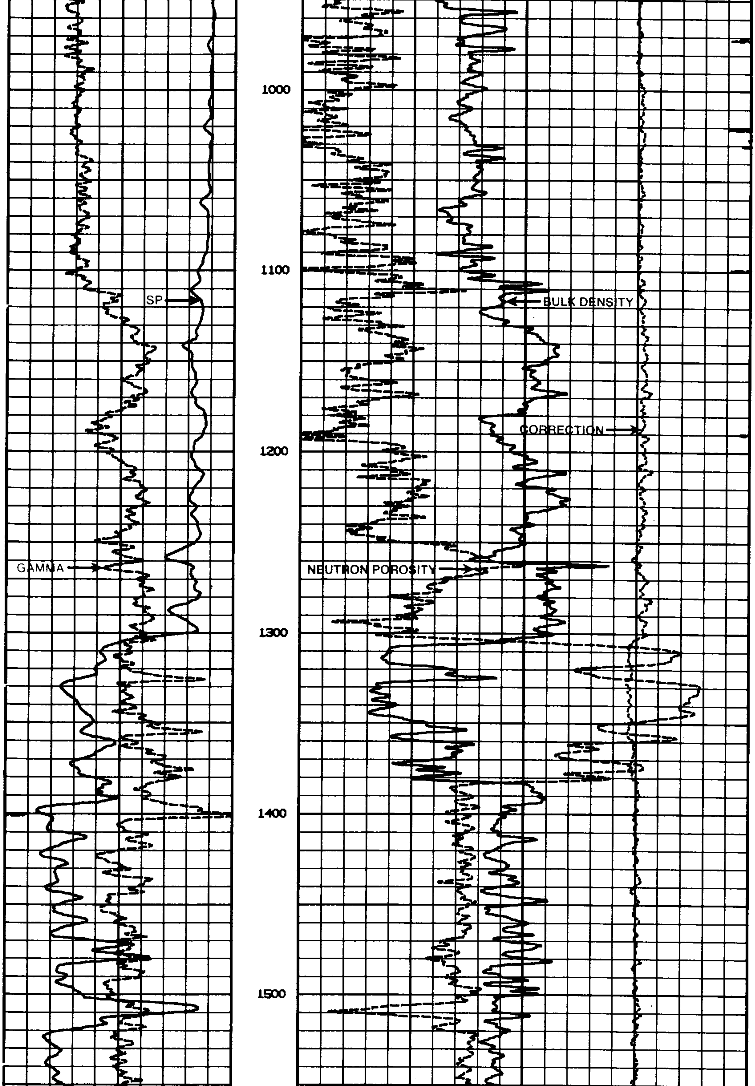
GENERAL				GAMMA		ACOUSTIC			DENSITY			NEUTRON		
RUN	DEPTHS		SPEED	SCALE		SCALE			SCALE			SCALE		
NO.	FROM	TO	FT/MIN	L	R	L	R	MATRIX	L	R	MATRIX	L	R	MATRIX
ONE	1739	456	30	0	150				1.65	2.65	2.65	60	0	SAND

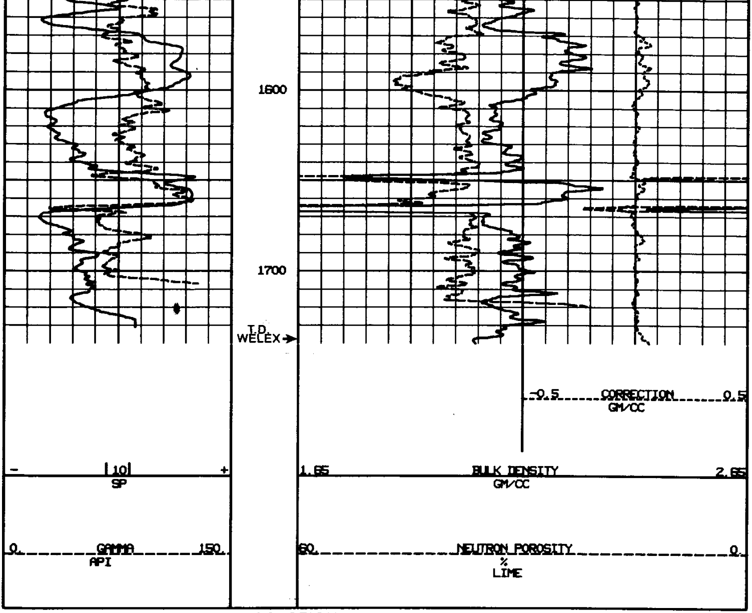
REMARKS: THANKYOU FOR USING WELEX.

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.

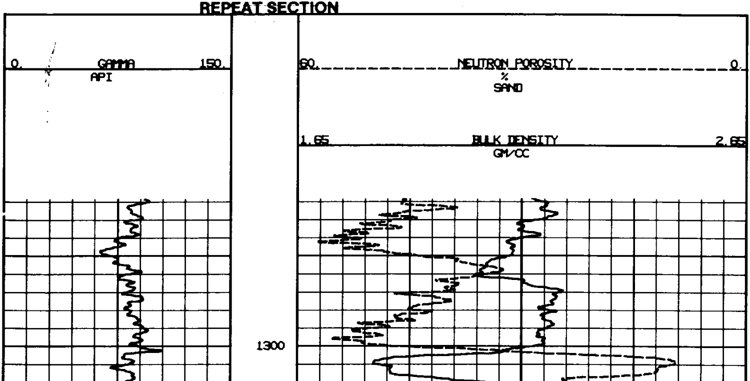
INTERPRETATIONS. OR CONVERSIONS. OR RECOMMENDATIONS AGREES THAT WELEX IS NOT RESPONSIBLE. EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILFULL MISCONDUCT FOR ANY LOSS. DAMAGES. OR EXPENSES RESULTING FROM THE USE THEREOF.

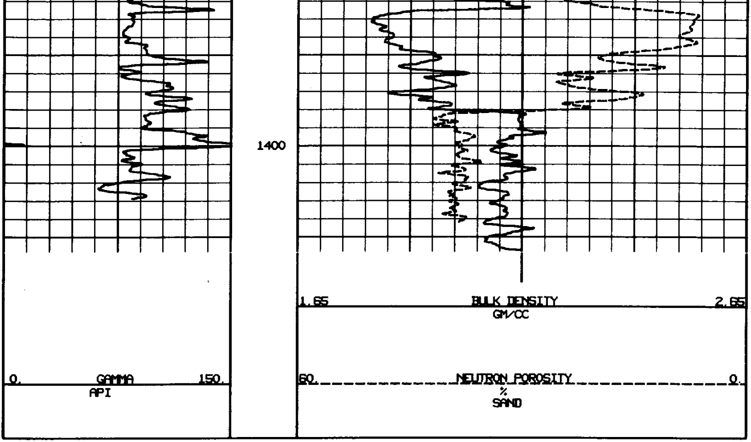






REPEAT SECTION





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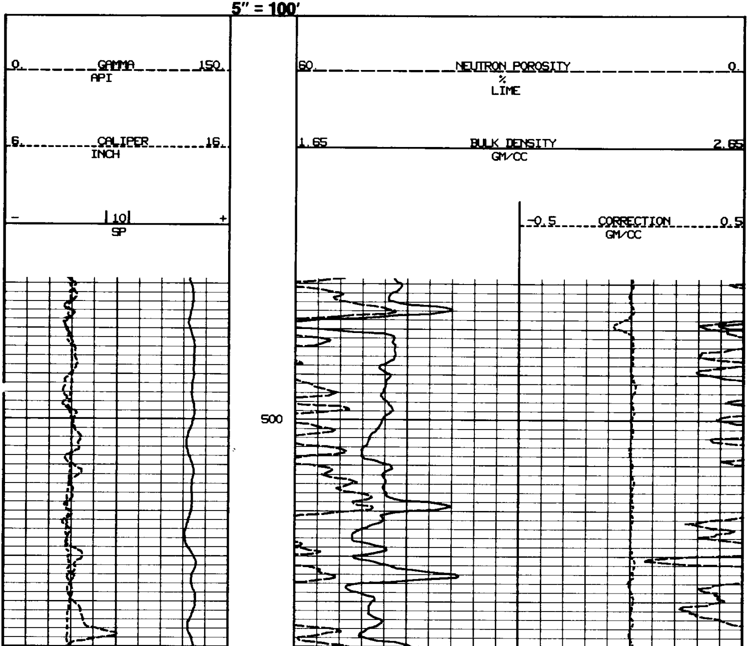

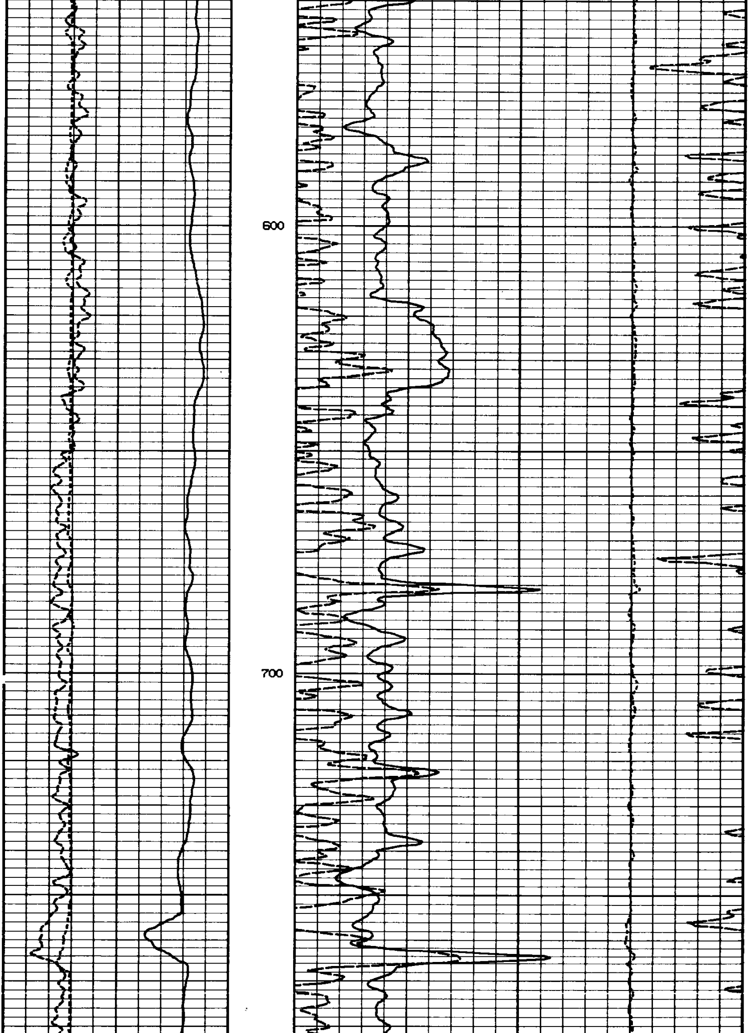

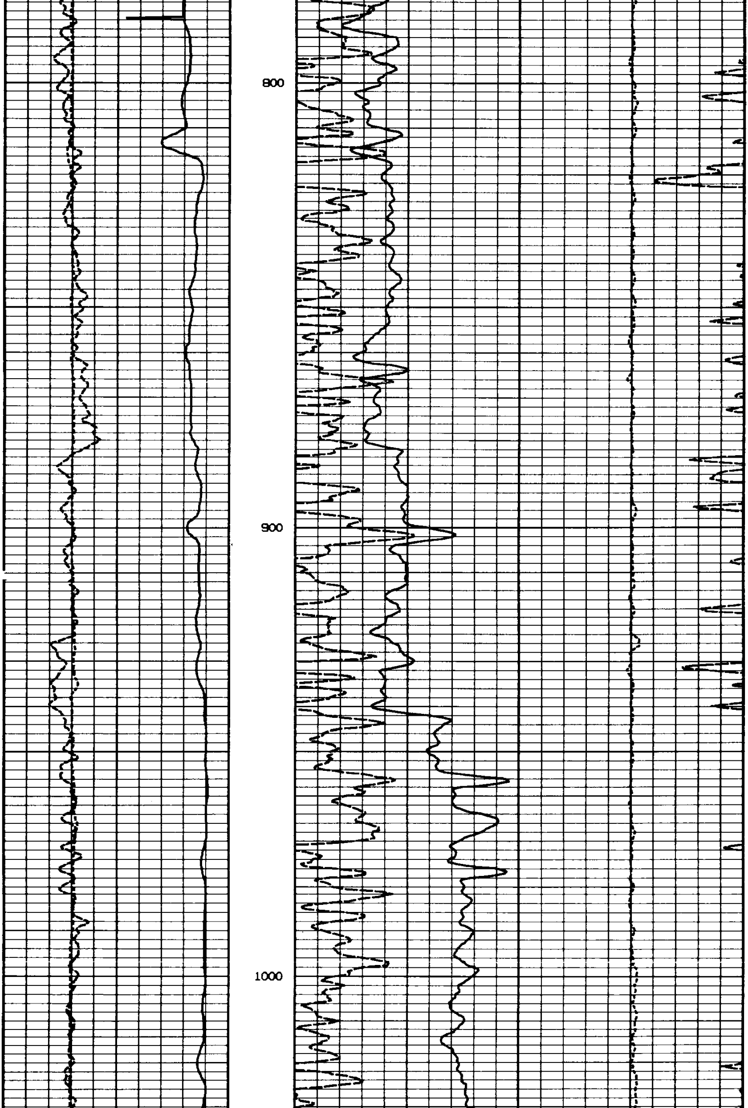

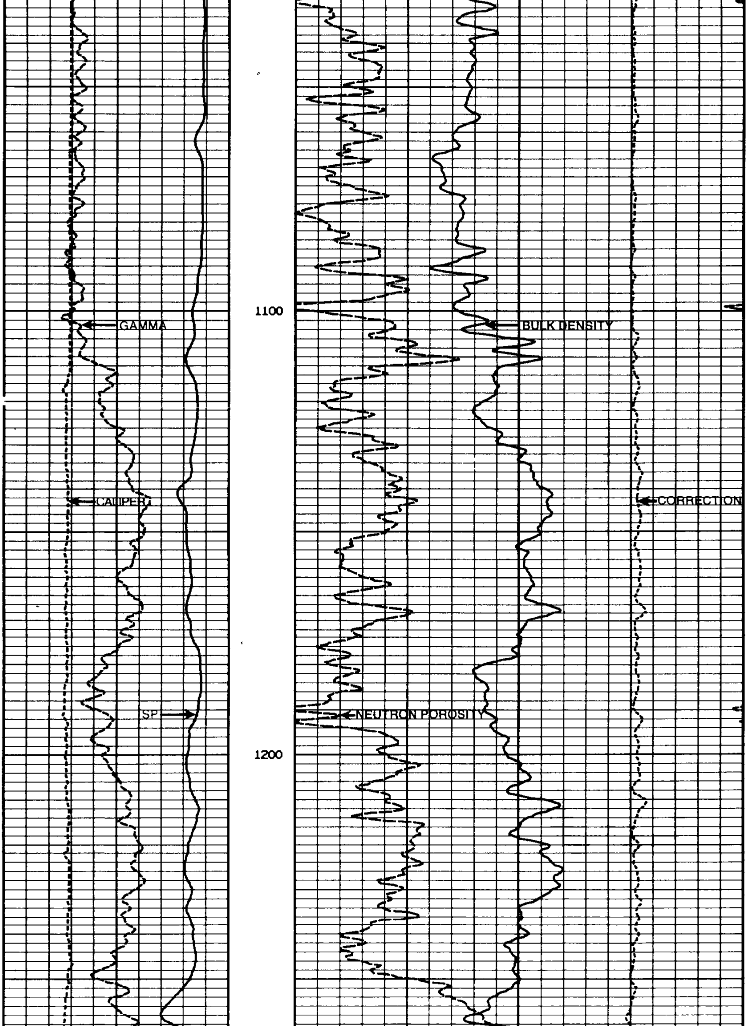

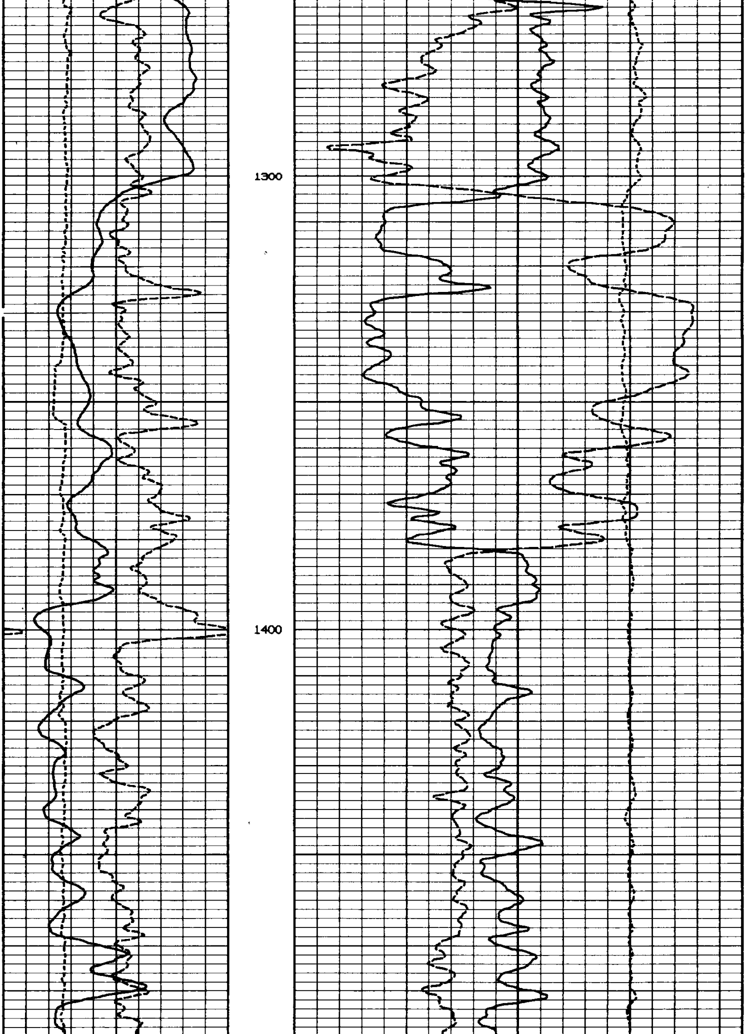

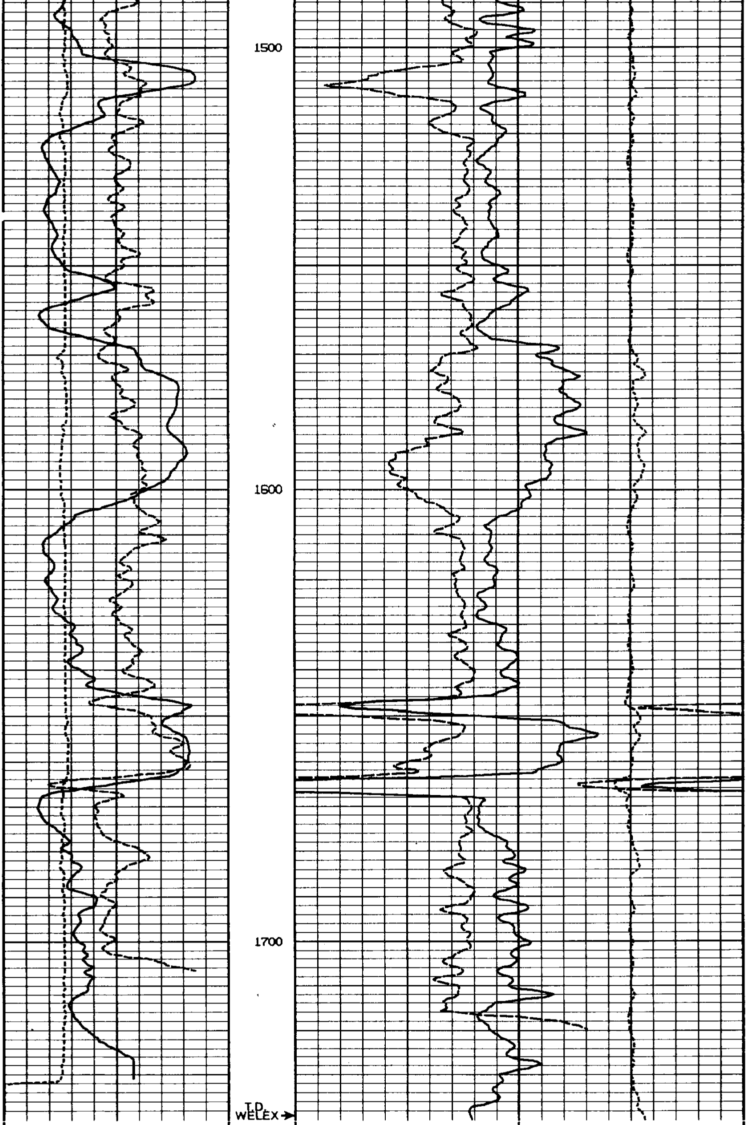

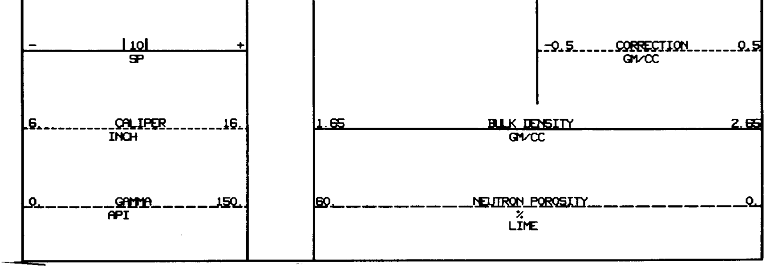

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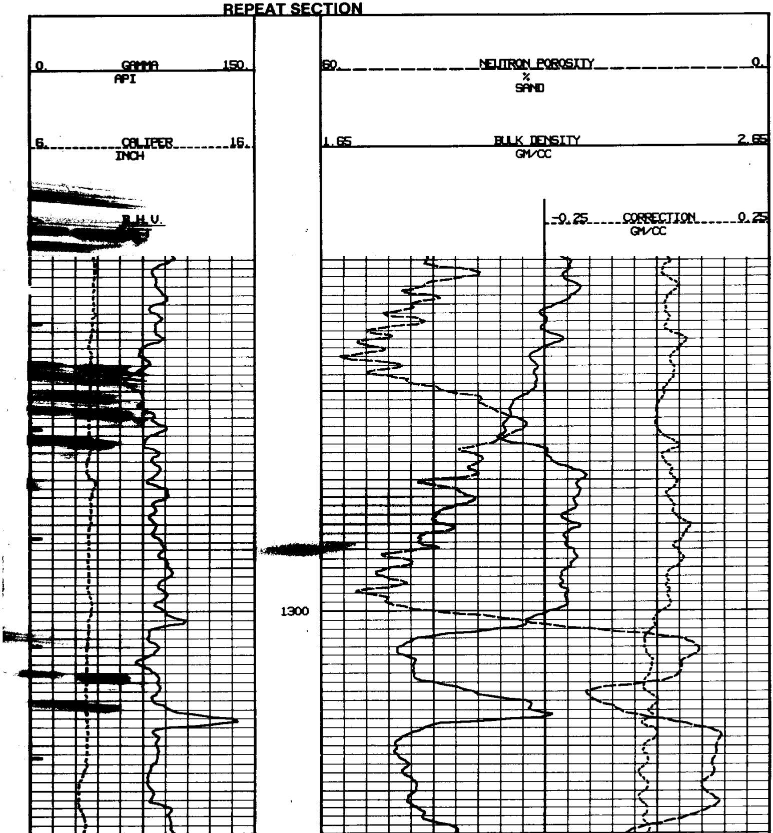

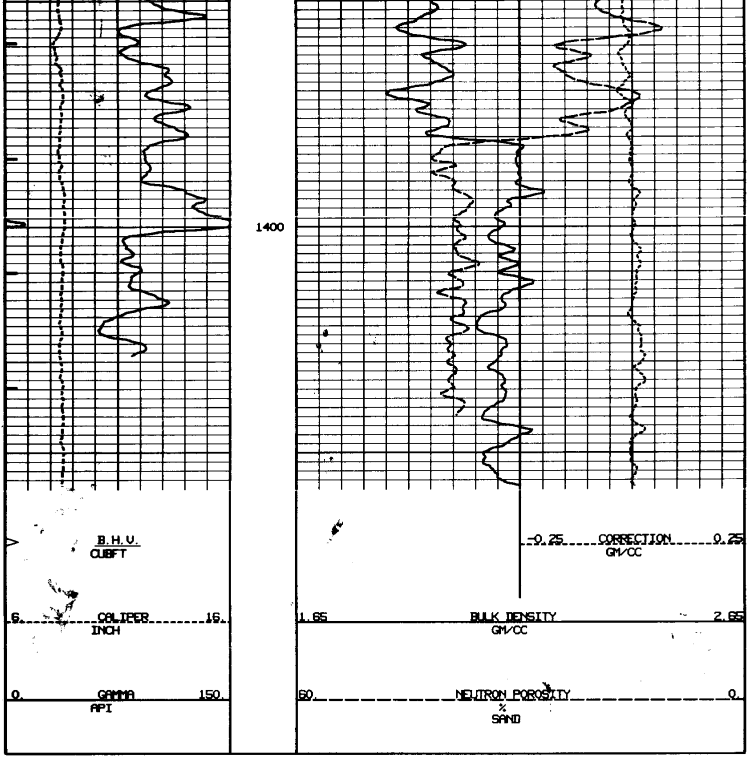

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                    SHOP CALIBRATION - DENSITY

PERFORMED   07/ 31/ 87
PROGRAM VERSION V1.87

                  SHOP MEASURED              CALIBRATED
                DENSITY      CORR.       DENSITY         CORR.
AL BLOCK         2.592      0.0103       2.5957          0.039
MG BLOCK        1.6672     -0.014         1.673          0.011

FL CALIBRATOR     SHOP MEASURED              CALIBRATED
                DENSITY      CORR.       DENSITY         CORR.
AL SLIDE         1.872     -0.022        1.8776         0.0038
BR SLIDE        2.3913     -0.206        2.3987         -0.174
AL SLIDE IN      2.116     -0.006        2.1209         0.0204

SER # D300      MOD. # 123    SRC. # 0         FLD CAL. # 0
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                      DSN SHOP CALIBRATION

PERFORMED   07/ 31/ 87    LAST SHOP CALIB   10/ 03/ 86
PROGRAM VERSION V1.87

                                            FIELD
                        TANK              CALIBRATOR
             MEASURED    CALIB.       MEASURED    CALIB.
  RATIOS     52.077      52.11        56.778      56.814

  POROSITY   10.283      10.291       11.417      11.425

SER # 102710    MOD. # 265    SRC. # 0         FLD CAL. # 0
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                    BEFORE SURVEY DENSITY FIELD CHECK

PERFORMED   08/ 02/ 87
PROGRAM VERSION V1.87

                              SHOP VALUE            FIELD CHECK
                          DENSITY     CORR.      DENSITY     CORR.
 DENSITY FIELD CHECK      2.1209     0.0204      2.1211     0.0213

SER # D300        MOD. # 123    SRC. # 0          FLD CAL. # 0



                        DSN FIELD CHECK BEFORE SURVEY

PERFORMED   08/ 02/ 87    LAST SHOP CALIB   07/ 31/ 87
PROGRAM VERSION V1.87

                              FIELD CALIBRATOR
                           SHOP                  FIELD
RATIO                     56.814               56.493

SER # 102710      MOD. # 265    SRC. # 0          FLD CAL. # 0


                        BEFORE LOG GAMMA RAY CALIBRATION

PERFORMED   08/ 02/ 87    LAST SHOP CALIB   07/ 31/ 87
PROGRAM VERSION V1.87

                 MEASURED   CALIBRATED   UNITS
BACKGROUND        38.868      39.025     GAPI
CALIBRATE         284.44      285.22     GAPI


SER # 123         MOD. # 123    SRC. # 0          FLD CAL. # 0


                        BEFORE LOG CALI CALIBRATION

PERFORMED   08/ 02/ 87    LAST SHOP CALIB   11/ 17/ 86
PROGRAM VERSION V1.87

                 MEASURED   CALIBRATED   UNITS
VALUE 1           8.131        8.        INCH
VALUE 2           16.251       16.       INCH


SER # 123         MOD. # 123    SRC. # 0          FLD CAL. # 0



                    AFTER SURVEY DENSITY CALIBRATION

PERFORMED   08/ 02/ 87    LAST SHOP CALIB   07/ 31/ 87
PROGRAM VERSION V1.87
                              BEFORE LOG            AFTER LOG
                          DENSITY     CORR.      DENSITY     CORR.
 DENSITY FIELD CHECK      2.1211     0.0213      2.1288     0.055

SER # D300        MOD. # 123    SRC. # 0          FLD CAL. # 0



                        DSN AFTER SURVEY CALIBRATE

PERFORMED   08/ 02/ 87    LAST SHOP CALIB   07/ 31/ 87
PROGRAM VERSION V1.87
                  SHOP           FIELD
                           BEFORE      AFTER
   RATIO         56.814    56.493      56.886

SER # 102710      MOD. # 265    SRC. # 0          FLD CAL. # 0



                        AFTER LOG GAMMA RAY CALIBRATION SUMMARY
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PERFORMED   08/ 02/ 87     LAST SHOP CALIB   07/ 31/ 87
PROGRAM VERSION V1.87


                   BEFORE     AFTER     UNITS
BACKGROUND         39.025     38.996    GAPI
CALIBRATE          285.22     284.87    GAPI


SER # 123        MOD. # 123    SRC. # 0          FLD CAL. # 0
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                    AFTER LOG CALI CALIBRATION SUMMARY

PERFORMED   08/ 02/ 87     LAST SHOP CALIB   11/ 17/ 86
PROGRAM VERSION V1.87


                   BEFORE       AFTER     UNITS
VALUE 1                8.       8.112     INCH
VALUE 2               16.       16.02     INCH


SER # 123        MOD. # 123    SRC. # 0          FLD CAL. # 0
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