ATLAS WIRELINE SERVICES

COMPENSATED DENSILOG®
COMPENSATED NEUTRON
GAMMA RAY

FILE NO. 2944
API NO.

5" = 100'

COMPANY ARCO OIL & GAS COMPANY
WELL LF 24-8-75
FIELD MIST
COUNTY COLUMBIA STATE OR

LOCATION:
1195' N & 93' W FROM THE SE CORNER OF

SEC 8 TWP 7N RGE 5W

OTHER SERVICES
DIFL/BHC/GR
DIP

PERMANENT DATUM GL ELEV. 731'
LOGGING MEASURED FROM KB 10' FT. ABOVE P.D.
DRILLING MEASURED FROM KB

ELEVATIONS
KB 741'
DF -
GL 731'

FINAL PRINT

DATE	10/26/88				
RUN	1				
SERVICE ORDER	159114				
DEPTH-DRILLER	2814'				
DEPTH-LOGGER	2792'				
BOTTOM LOGGED INTERVAL	2790'				
TOP LOGGED INTERVAL	854'				
CASING - DRILLER	9 5/8"	@ 855'	@	@	@
CASING - LOGGER	854'				
BIT SIZE	8 1/2"				
TYPE FLUID IN HOLE	E Z MUD				
DENSITY / VISCOSITY	10.+	48			
PH / FLUID LOSS	9.0	5.2			
SOURCE OF SAMPLE	FLOWLINE				
RM AT MEAS. TEMP.	2.74	@ 71 F	@	@	@
RMF AT MEAS. TEMP.	2.23	@ 71 F	@	@	@
RMC AT MEAS. TEMP.	3.2	@ 71 F	@	@	@
SOURCE OF RMF / RMC	MEAS	MEAS			
RM AT BHT	1.74	@ 112 F	@	@	@
TIME SINCE CIRCULATION	4 HRS				
MAX. REC. TEMP. DEG. F	112 F				
EQUIP. NO. / LOC.	HL 6406	SAC			
RECORDED BY	B. WELCH				
WITNESSED BY	MR. JACKSON				

FOLD HERE

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT, BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASURMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

Western Atlas International
A Litton/Dresser Company

ATLAS WIRELINE SERVICES

REMARKS RUN (1)

BOTTOM OF HOLE NOT LOGGED DUE TO TIGHT HOLE CONDITIONS

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	CDL	60578	2212	DECENT
1	1	CAL	60578	2212	DECENT
1	1	CN	72435	2435	DECENT
1	1	GR	78585	1309D-	DECENT

CURVE DELAYS

CURVE	DELAY	UNITS
SSD	0.3	FT.IN
LSD	0	FT.IN
CAL	0,0	FT.IN
SSN	9,9	FT.IN
LSN	10.3	FT.IN
GR	16,6	FT,IN
TTEN	0,0	FT,IN
TEN	0,0	FT.IN
SPD	0,0	FT.IN

PARAMETERS

NAME	DEPTH INTERVAL	VALUE	UNITS
A	2803 TO 837	0.000	
CAL DIFF	2803 TO 837	3.500	INCH
CHI SMTH	2803 TO 837	ACTIVE	
M	2803 TO 837	0.000	
MATRIX	2803 TO 837	SANDSTONE	
O.D.	2803 TO 837	0.000	INCH
RHO F	2803 TO 837	0.950	G/CC
RHO M	2803 TO 837	2.650	G/CC
SALINITY	2803 TO 837	0.000	PPM

DISPLAY SCALE CHANGES

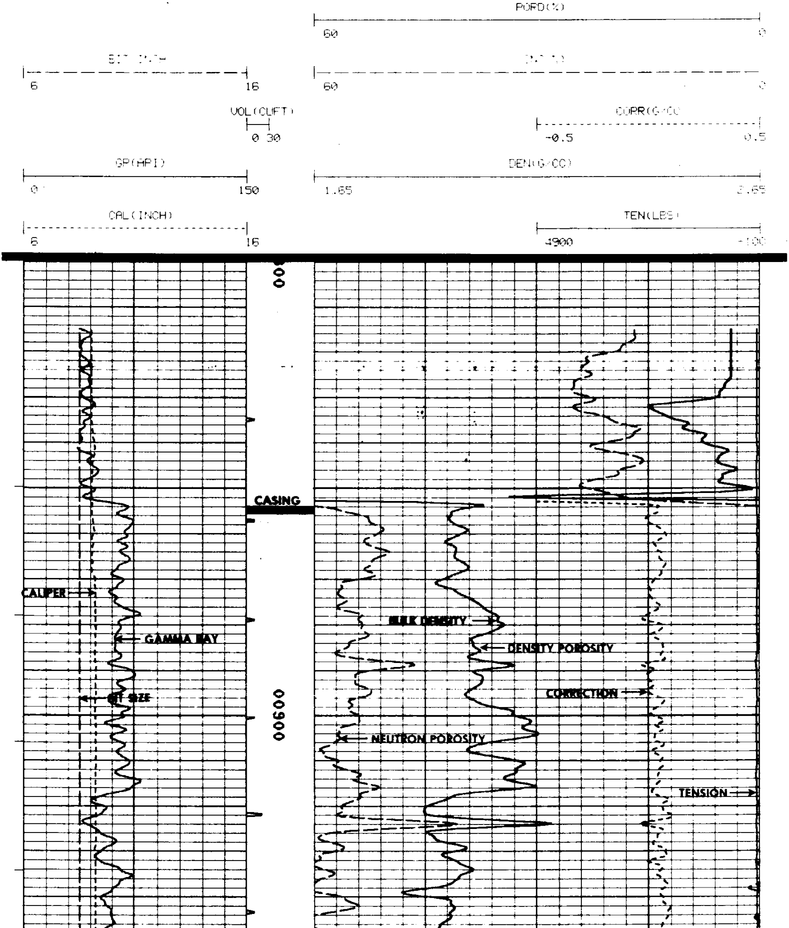
*** NONE ***

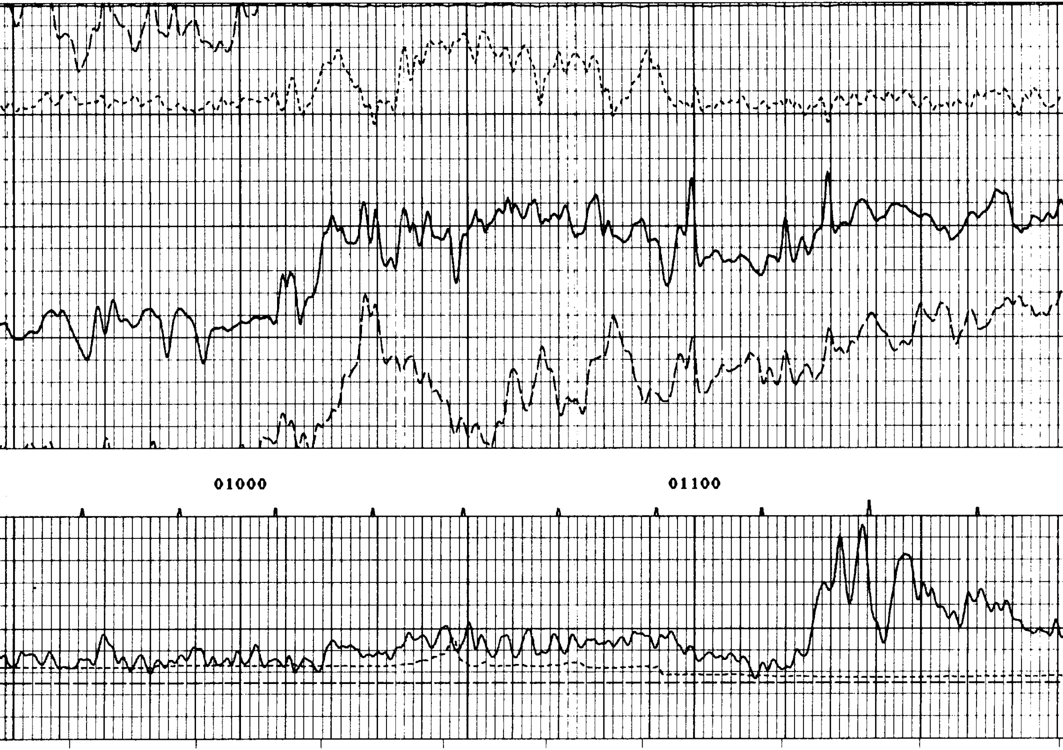
COMPANY: ARCO OIL & GAS COMPANY RUN: 1

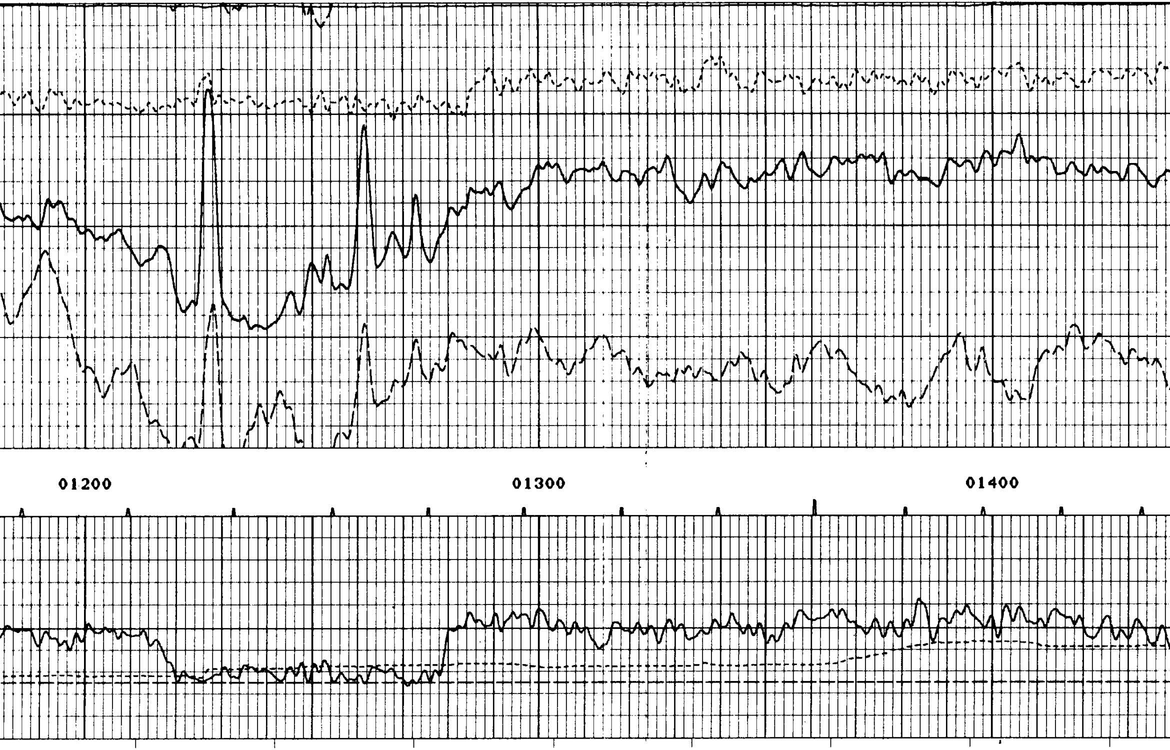
WELL NAME: LF 24-8-75 TRIP: 1

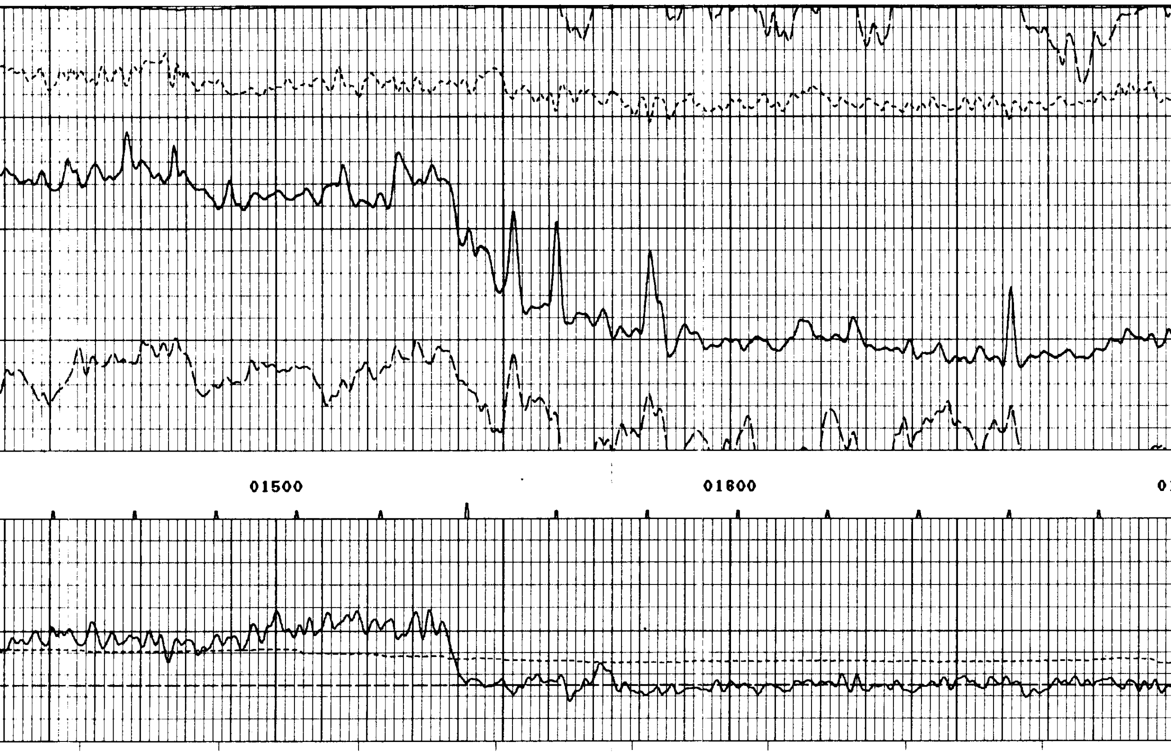
SERVICE: FC287B FILE: 3 DATE: 10 25 83 TIME: 21:21:27

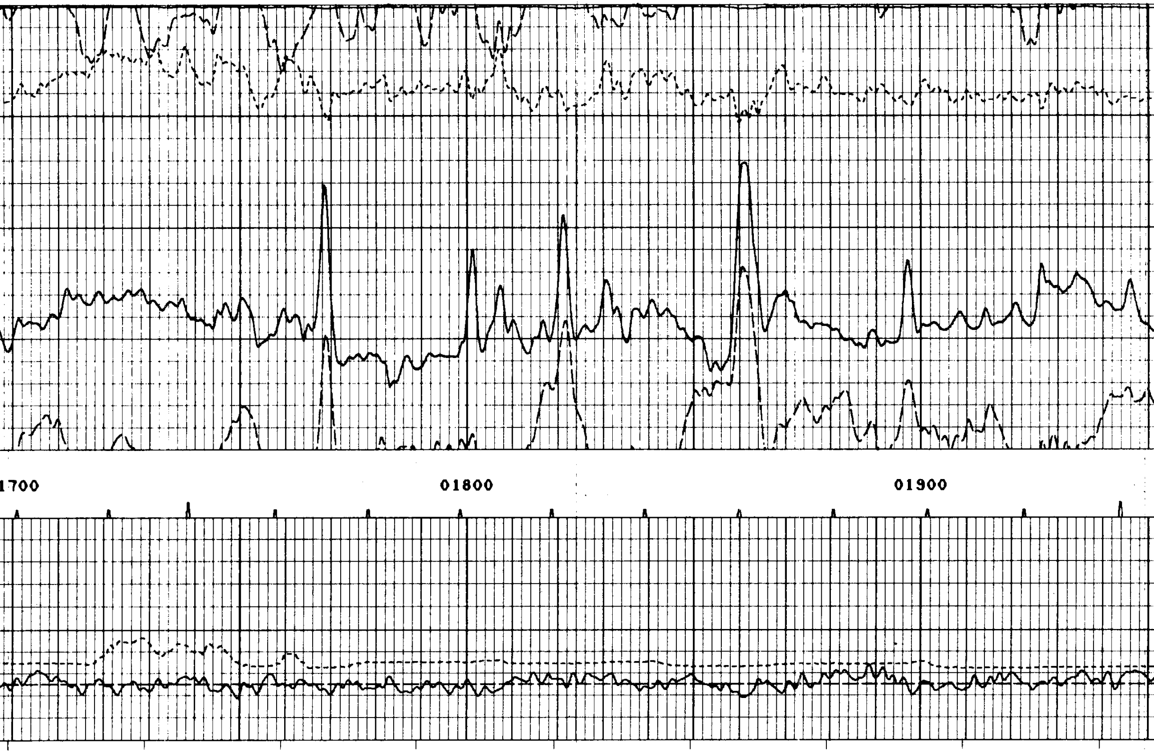
REVISION: FSYSAL REV GS08 VER+2 MODE: RECORD

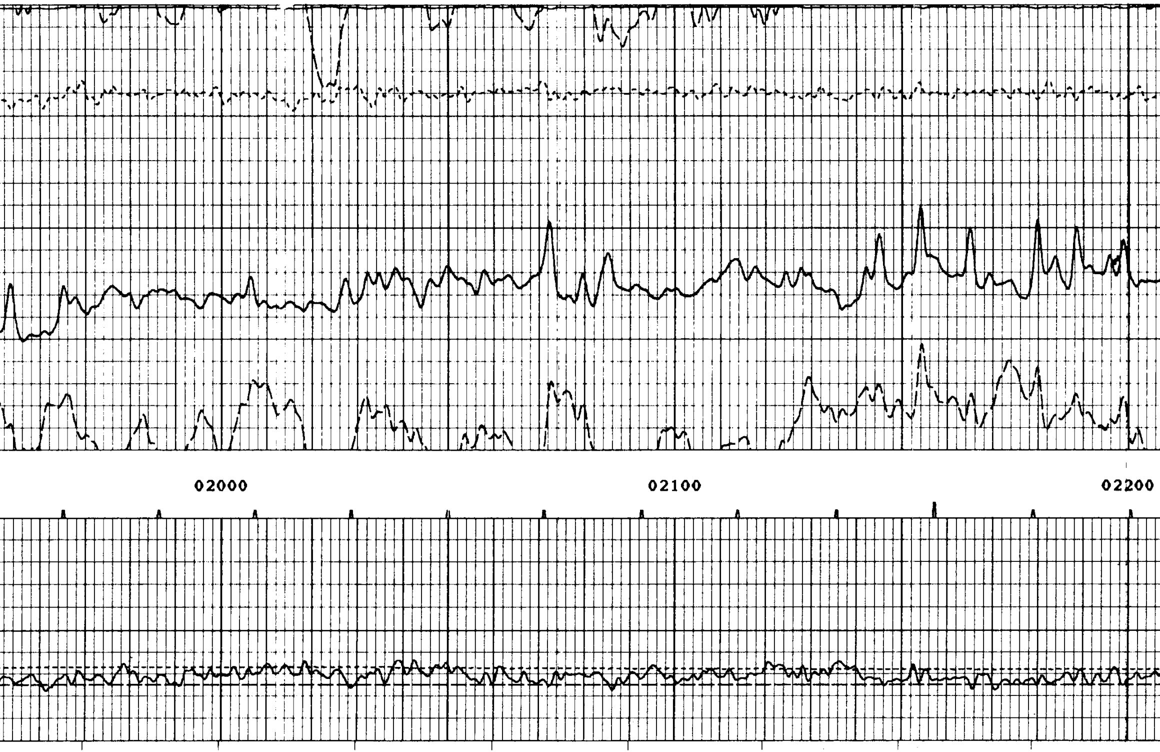


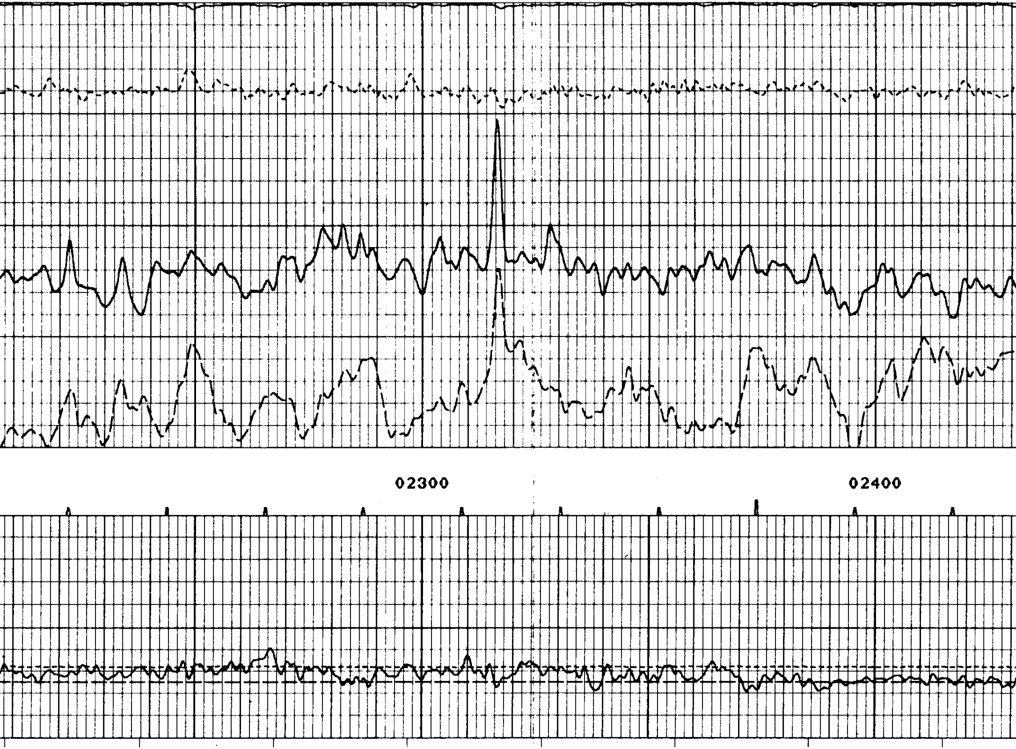


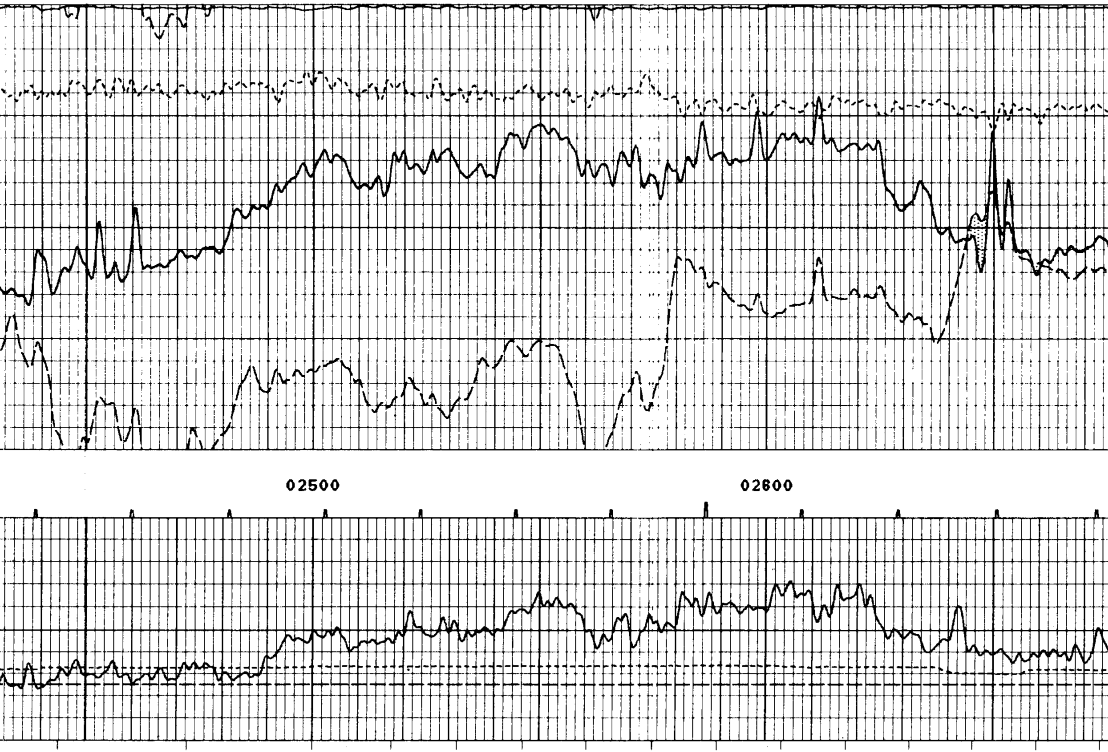


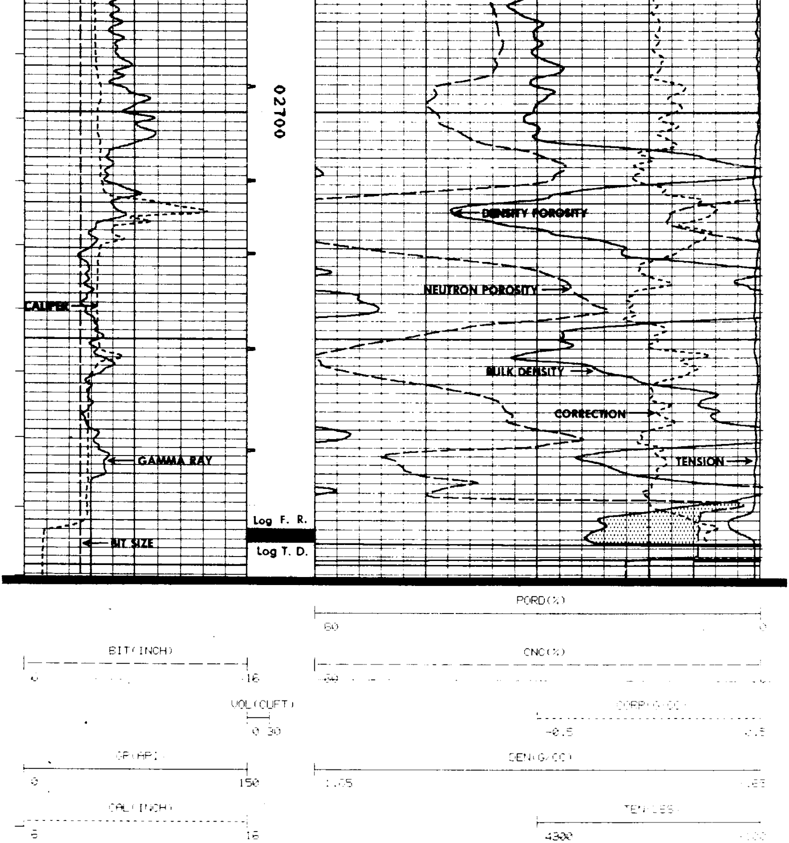












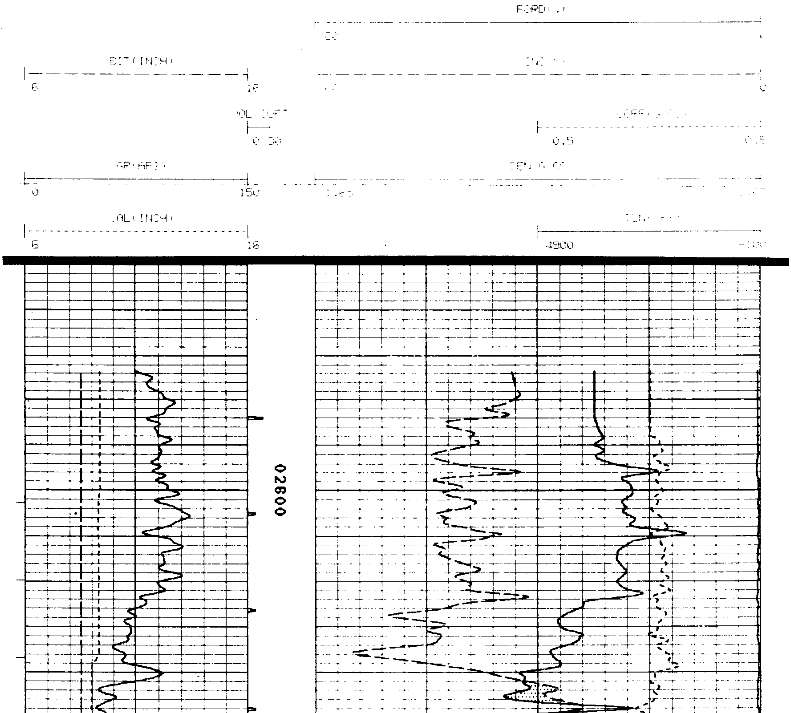
PARAMETERS

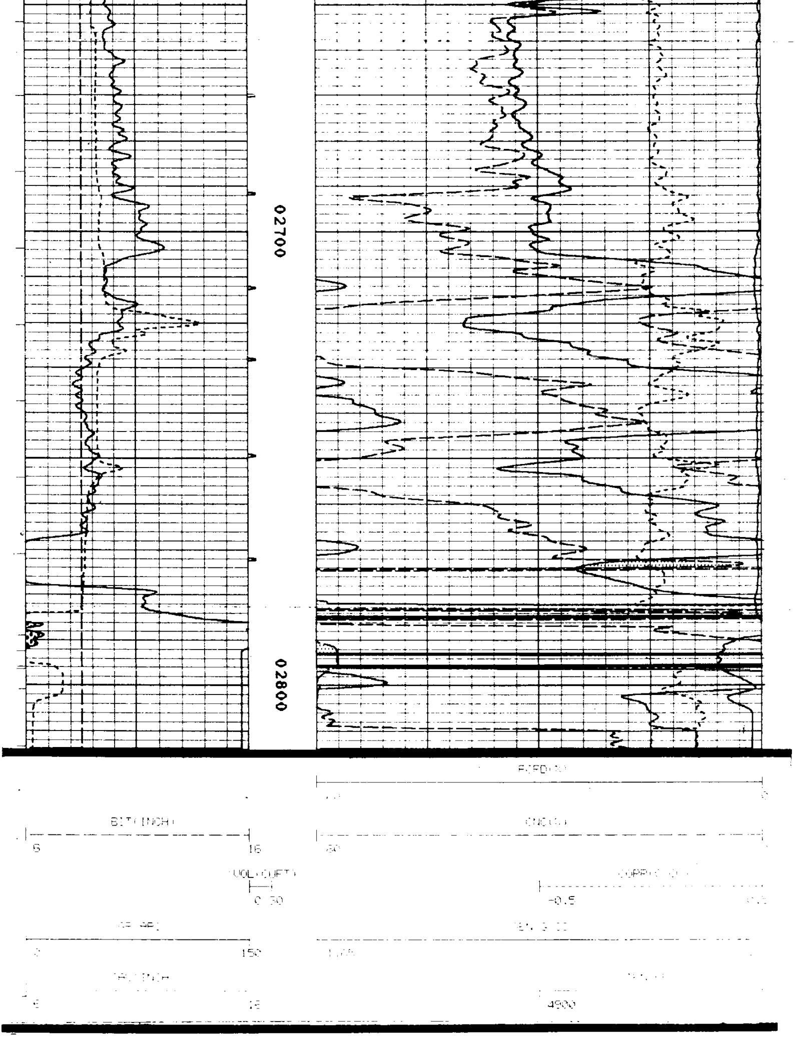
NAME	DEPTH INTERVAL	VALUE	UNITS
A	2814 TO 2595	0.000	
CAL CORR	2814 TO 2595	2.500	INCH
CHI SMTH	2814 TO 2595	ACTIVE	
M	2814 TO 2595	0.000	
MATRIX	2814 TO 2595	SANDSTONE	
O.D.	2814 TO 2595	0.000	INCH
RHO F	2814 TO 2595	0.300	G/CC
RHO M	2814 TO 2595	2.650	G/C
SALINITY	2814 TO 2595	0.000	PPM

DISPLAY SCALE CHANGES

*** NONE ***

COMPANY: ARCO OIL & GAS COMPANY RUN: 1
WELL NAME: LF 24-8-75 TRIP: 1
SERVICE: KC237B FILE: 1 DATE: 10 25 88 TIME: 20:51:50
REVISION: FSYSAL REV GS08 VER+2 **REPEAT SECTION** MODE: RECORD





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*                                      *
*  CALIBRATION/VERIFICATION SUMMARIES  *
*  DATE 10/25/88          TIME 23:34:44  *
*  RUN  1                 TRIP 1       *
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        LOG NAME CDL     ASSET NO. 60578     UNIT NO. LAE
    CALIBRATION ENTERED ON  10/25/88 AT 14:10:46          LARGE TOOL
                                SOURCE NUMBER 767

CURVE   COUNTS/SEC.     SCALING FACTORS    RATIO    ENG. VALUE  UNITS
          BLOCK  VALUE     ADD.    MULT.      MG AL
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      DATE 09/30/88          CALIBRATION          TIME 09:48:32

LSD      MG       257.6
SSD               390.6
DEN                                                    2.300  G/CC
CORR                                                   0.000  G/CC
LSD      AL        91.5    0.000     1.0000   2.2154
SSD               263.8    0.000     1.0000   1.4807
DEN                                                    2.300  G/CC
CORR                                                   0.000  G/CC
LSD      MGRV     239.5
SSD               421.4
DEN                                                    2.480  G/CC
CORR                                                   0.237  G/CC

      DATE 10/25/88    PRIMARY VERIFICATION       TIME 14:12:49

LSD      JIG      158.2    0.000     1.0000
SSD               340.8    0.000     1.0000
DEN                                                    2.588  G/CC
CORR                                                   0.102  G/CC

      DATE 10/25/88   BEFORE LOG VERIFICATION    TIME 14:13:55

LSD      JIG      158.2    0.000     1.0000
SSD               340.4    0.000     1.0000
DEN                                                    2.585  G/CC
CORR                                                   0.099  G/CC

      DATE 10/25/88    AFTER LOG VERIFICATION    TIME 23:06:58

LSD      JIG      158.3    0.000     1.0000
SSD               341.0    0.000     1.0000
DEN                                                    2.588  G/CC
CORR                                                   0.103  G/CC



        LOG NAME CAL     ASSET NO. 60573     UNIT NO. HL 8408
    CALIBRATION ENTERED ON  10/25/88 AT 14:51:46

CURVE   MILLIVOLTS      SCALING FACTORS    ENGINEERING VALUES   UNITS
          LOW    HIGH    ADD.     MULT.        LOW        HIGH
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      DATE 10/25/88          CALIBRATION          TIME 14:51:46

CAL     1123.8  3145.1    2.664    0.0217      6.000      12.000 INCH

                         PRIMARY VERIFICATION            NOT DONE

      DATE 10/25/88   BEFORE LOG VERIFICATION    TIME 20:35:37

CAL       E      2155.3    2.664    0.0217      E              9.062 INCH

      DATE 10/25/88    AFTER LOG VERIFICATION    TIME 22:45:56

CAL       E      2159.0    2.664    0.0217      E              9.073 INCH



        LOG NAME CN      ASSET NO. 72435     UNIT NO. LAE
    CALIBRATION ENTERED ON  10/25/88 AT 14:11:44             2435
                                SOURCE NUMBER S17332

CURVE   COUNTS/SEC.     SCALING FACTORS    RATIO    ENG. VALUE  UNITS
                          ADD.     MULT.  LSN/(SSN*4)
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      DATE 09/19/88          CALIBRATION          TIME [illegible]:09

LSN         21.5           0.000     1.0000
SSN        164.9           0.000     1.0000
CN                                         0.1338       14.558

      DATE 10/25/88    PRIMARY VERIFICATION       TIME 14:[illegible]:51
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LSN         76.7           0.000    1.0000
SSN        119.2           0.000    1.0000
CN                                                  0.1601         15.523

     DATE 10/25/88   BEFORE LOG VERIFICATION    TIME 14:34:56

LSN         75.6           0.000    1.0000
SSN        119.8           0.000    1.0000
CN                                                  0.1573         15.371

     DATE 10/25/88    AFTER LOG VERIFICATION    TIME [illegible]

LSN         76.3           0.000    1.0000
SSN        120.1           0.000    1.0000
CN                                                  0.1527         15.754



      LOG NAME GR      ASSET NO. 73535    UNIT NO. HL 2406
  CALIBRATION ENTERED ON  10/25/88 AT 14:42:32

CURVE   MILLIVOLTS      SCALING FACTORS    ENGINEERING VALUES   UNITS
  .       LOW    HIGH    ADD.    MULT.         LOW        HIGH
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     DATE 10/25/88          CALIBRATION             TIME 14:42:32

GR       929.6  2593.5    0.000    0.2200       0.000    150.000 API

                     PRIMARY VERIFICATION               NOT DONE

                    BEFORE LOG VERIFICATION             NOT DONE

     DATE 10/25/88    AFTER LOG VERIFICATION    TIME [illegible]

[illegible]
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