ATLAS WIRELINE SERVICES

COMPENSATED DENSILOG®
COMPENSATED NEUTRON
GAMMA RAY

FILE NO.

API NO.

5" = 100'

COMPANY ARCO OIL & GAS COMPANY
WELL CC 44-27-65
FIELD MIST
COUNTY COLUMBIA STATE OR.

LOCATION:
376.2' FEL & 409.0' FSL OF
SE CORNER OF
SEC 27 TWP 6N RGE 5W

OTHER SERVICES
DIFL
BHC AC/GR

PERMANENT DATUM GL ELEV. 960.6'
LOGGING MEASURED FROM KB 10' FT. ABOVE P.D.
DRILLING MEASURED FROM KB

ELEVATIONS
KB 970.1'
DF -
GL 960.6'

DATE	7/4/88					
RUN	1					
SERVICE ORDER	158843					
DEPTH-DRILLER	2150'					
DEPTH-LOGGER	2127'					
BOTTOM LOGGED INTERVAL	2125'					
TOP LOGGED INTERVAL	454'					
CASING - DRILLER	9 5/8"	@ 461'	@		@	@
CASING - LOGGER	454'					
BIT SIZE	8.5"					
TYPE FLUID IN HOLE	EZ MUD					
DENSITY / VISCOSITY	10.0	42				
PH / FLUID LOSS	9.0	5.0				
SOURCE OF SAMPLE	FLOWLINE					
RM AT MEAS. TEMP.	2.69	@ 83 F	@		@	@
RMF AT MEAS. TEMP.	3.32	@ 83 F	@		@	@
RMC AT MEAS. TEMP.	3.61	@ 83 F	@		@	@
SOURCE OF RMF / RMC	MEAS	MEAS				
RM AT BHT	2.15	@ 108 F	@		@	@
TIME SINCE CIRCULATION	4 HRS					
MAX. REC. TEMP. DEG. F	108 F					
EQUIP. NO. / LOC.	HL 6406	SAC				
RECORDED BY	B. WELCH					
WITNESSED BY	MR. WYDRINSKI, 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)

CORR SCALES OF -.25,.25 RUN AT
CUSTOMER REQUEST
BHV COMPUTED FOR 3.5" CSG

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	CDL	57833	2212	DECENT
1	1	CAL	57833	2212	DECENT
1	1	CN	56094	2435	DECENT
1	1	GR	73467	1309	DECENT

CURVE DELAYS

CURVE DELAY UNITS

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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
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PARAMETERS

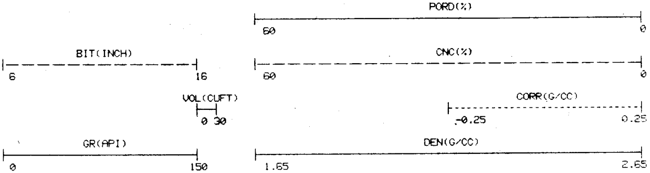
NAME	DEPTH INTERVAL	VALUE	UNITS
A	2126 TO 449	0.000	
CAL CORR	2126 TO 449	8.500	INCH
CHI SMTH	2126 TO 449	ACTIVE	
M	2126 TO 449	0.000	
MATRIX	2126 TO 449	SANDSTONE	
O.D.	2126 TO 449	3.500	INCH
RHO F	2126 TO 449	0.980	G/CC
RHO M	2126 TO 449	2.650	G/CC
SALINITY	2126 TO 449	0.000	PPK

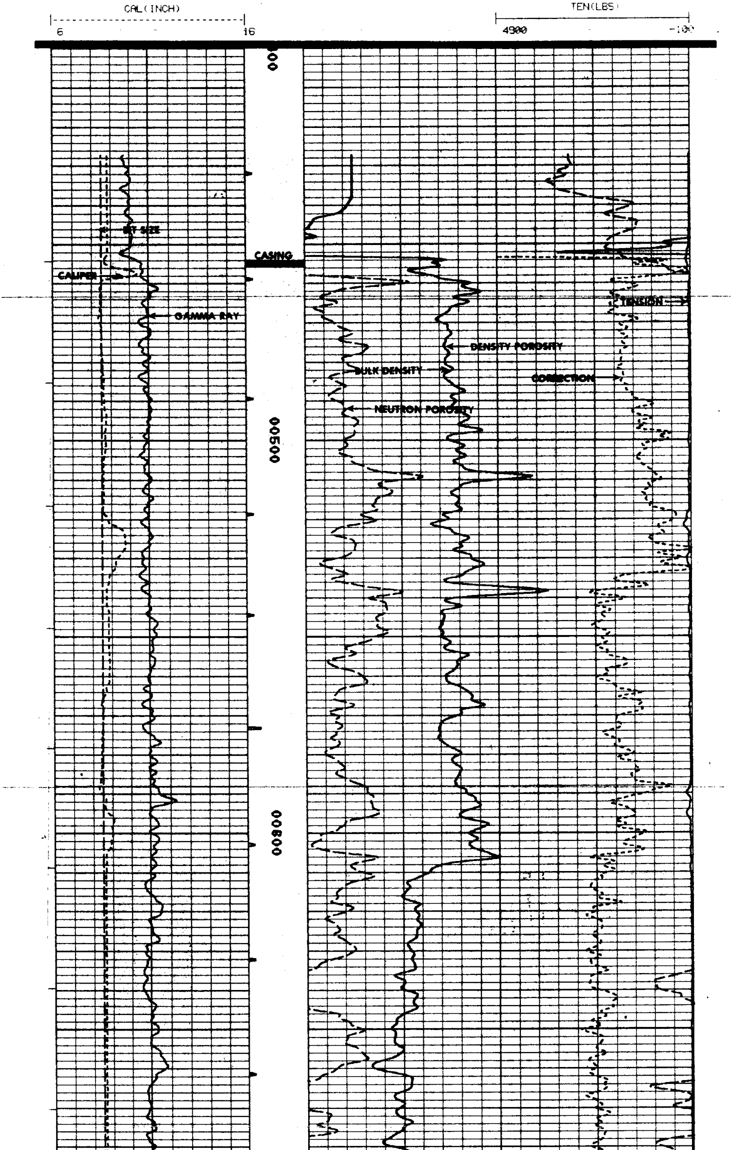
DISPLAY SCALE CHANGES

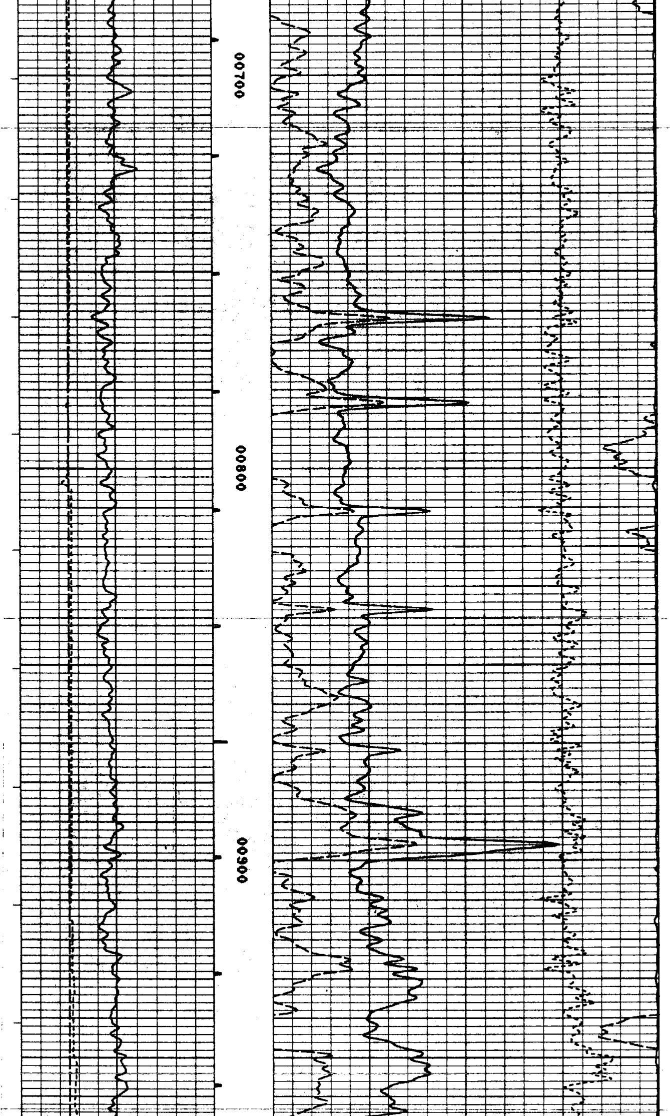
*** NONE ***

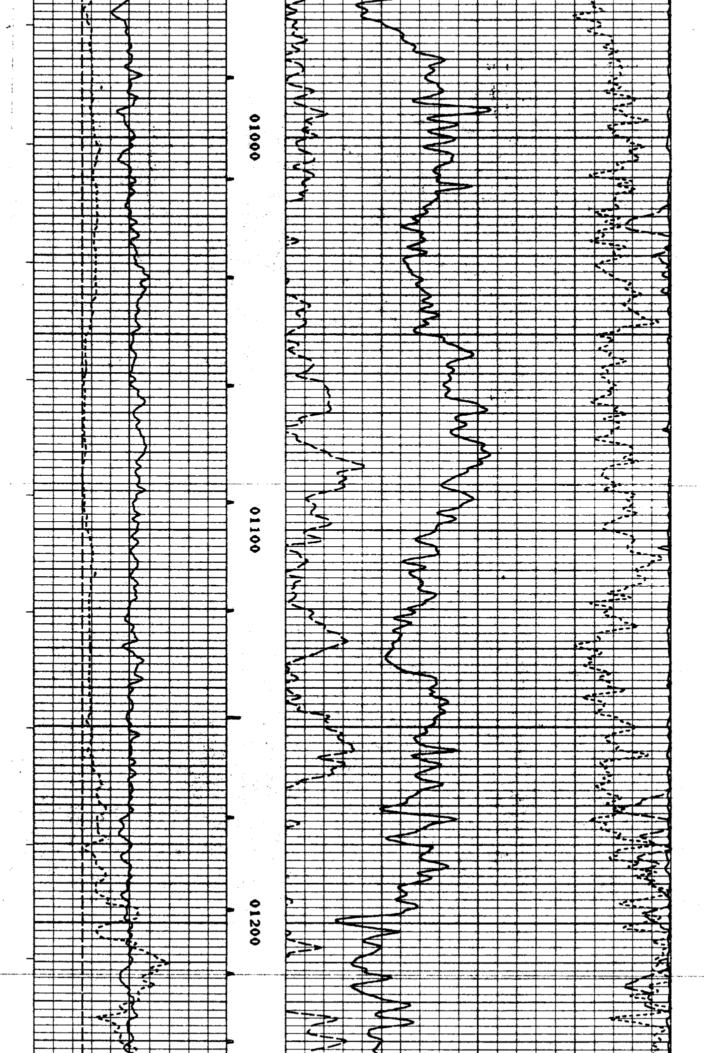
COMPANY: ARCO OIL & GAS COMPANY
WELL NAME: CC 44-27-65
SERVICE: KC287B
FILE: 2
DATE: 07/04/88
REVISION: FSYSAL REV GS08 VER+2

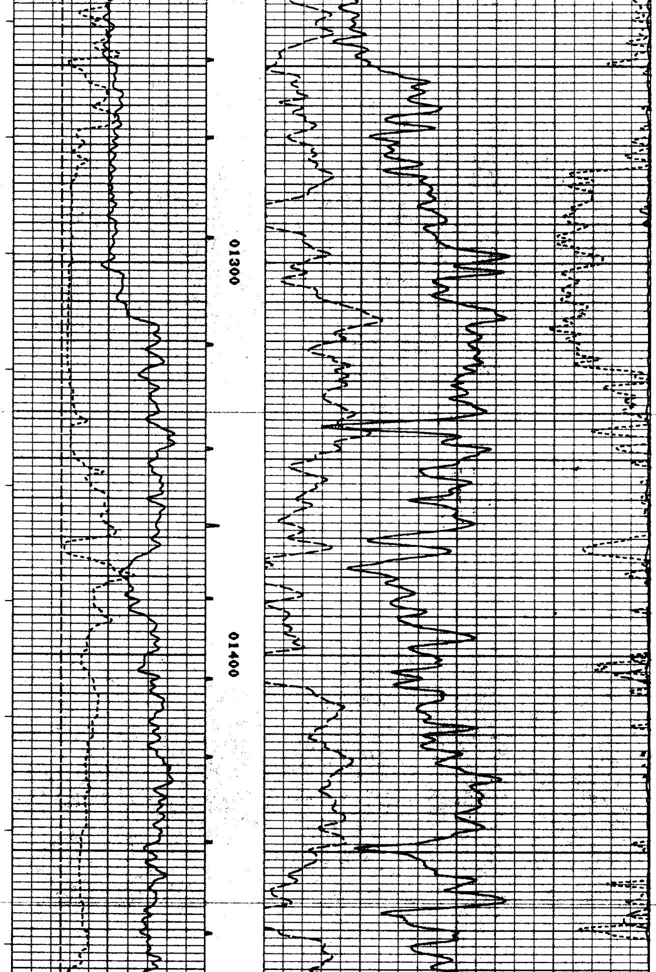
RUN: 1
TRIP: 1
TIME: 15:32:44
MODE: RECORD

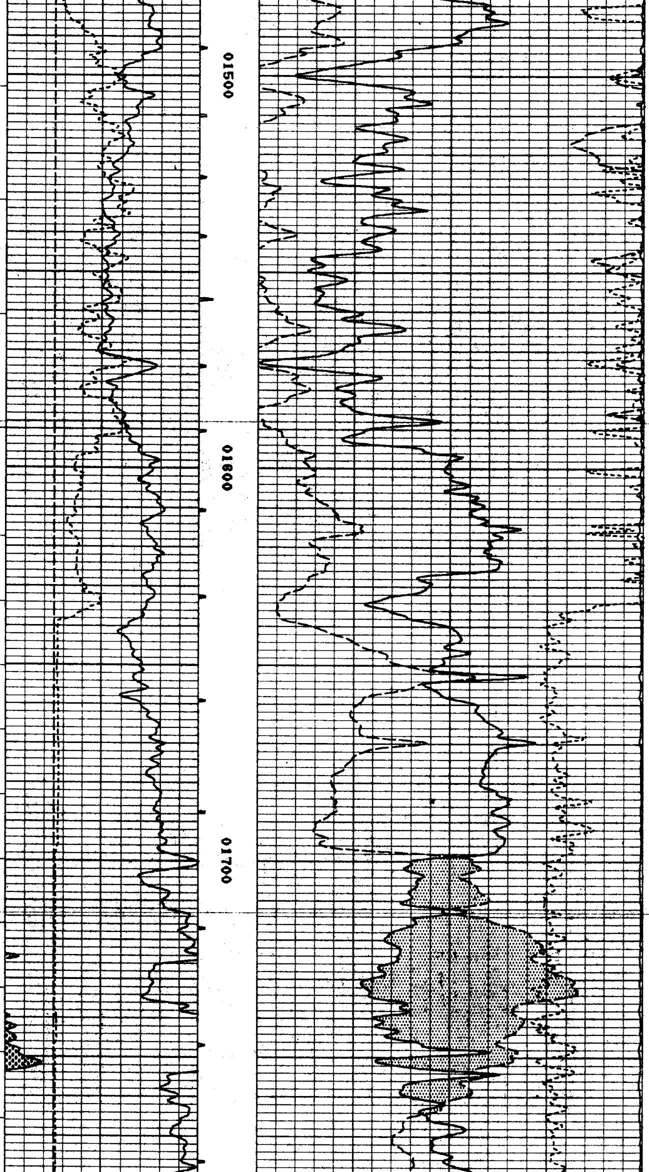


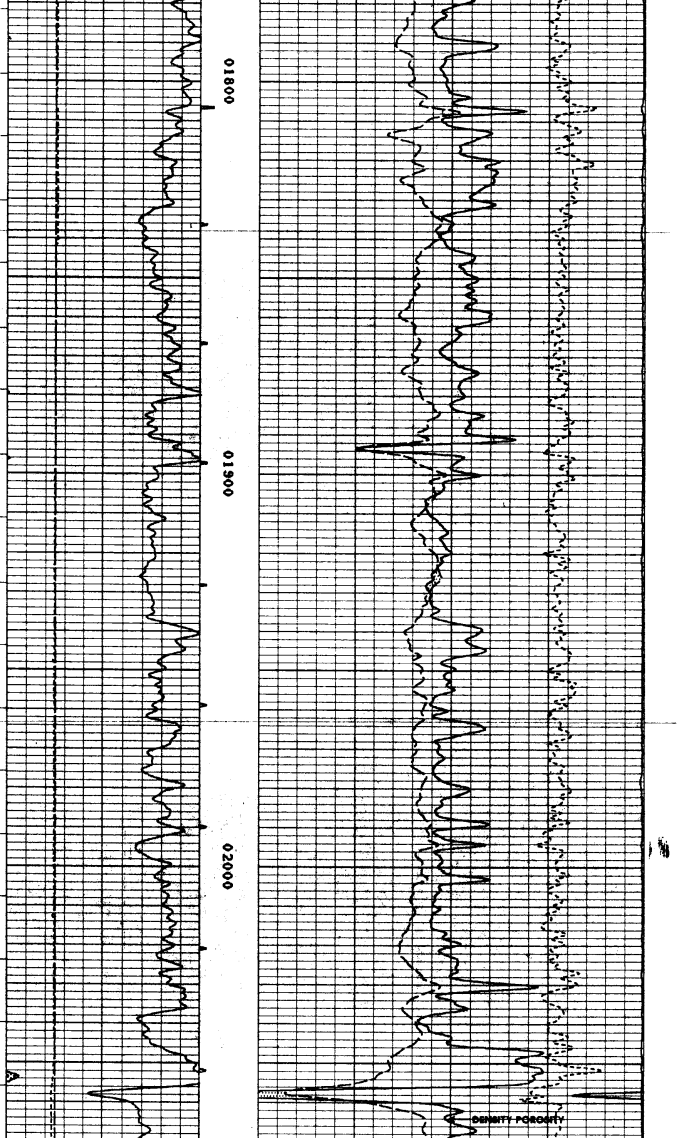


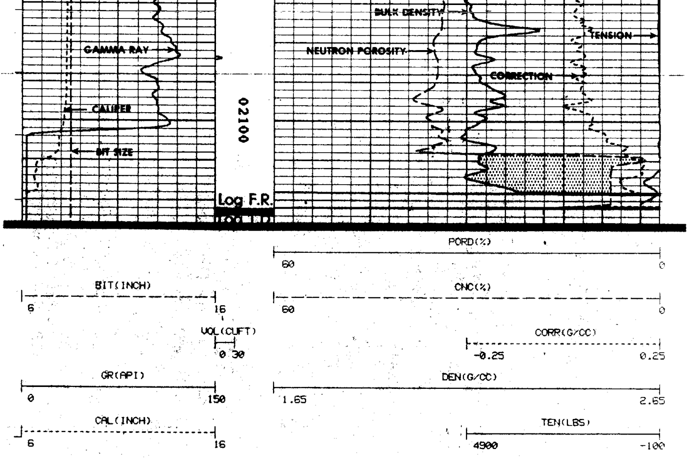












CURVE DELAYS

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	2136 TO 1637	0.000	
CAL CORR	2136 TO 1637	8.500	INCH
CHI SMTH	2136 TO 1637	ACTIVE	
M	2136 TO 1637	0.000	
MATRIX	2136 TO 1637	SANDSTONE	
O.D.	2136 TO 1637	3.500	INCH
RHO F	2136 TO 1637	0.980	G/CC
RHO M	2136 TO 1637	2.650	G/CC
SALINITY	2136 TO 1637	0.000	PPK

DISPLAY SCALE CHANGES

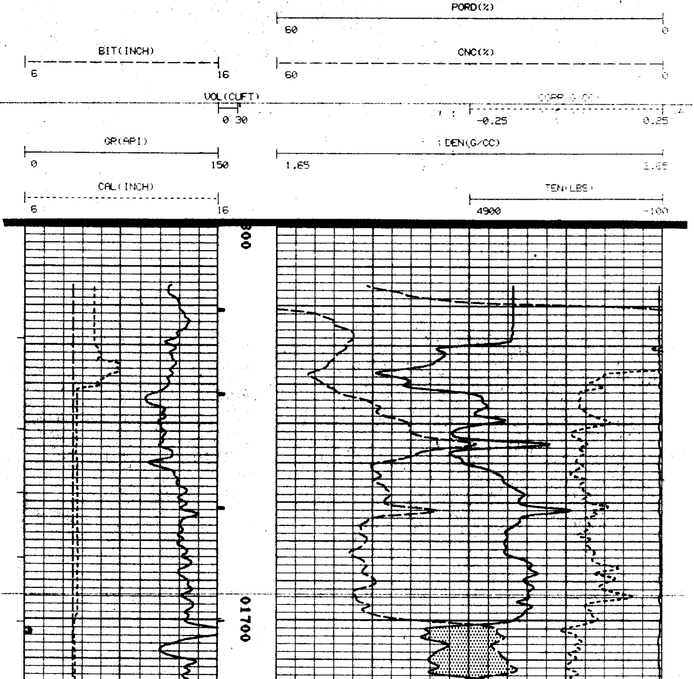
CURVE	DEPTH INTERVAL	--- DISPLAY SCALES --- LOW	HIGH
CORR	2136 TO 2103	-0.500	0.500
	2102 TO 1637	-0.250	0.250

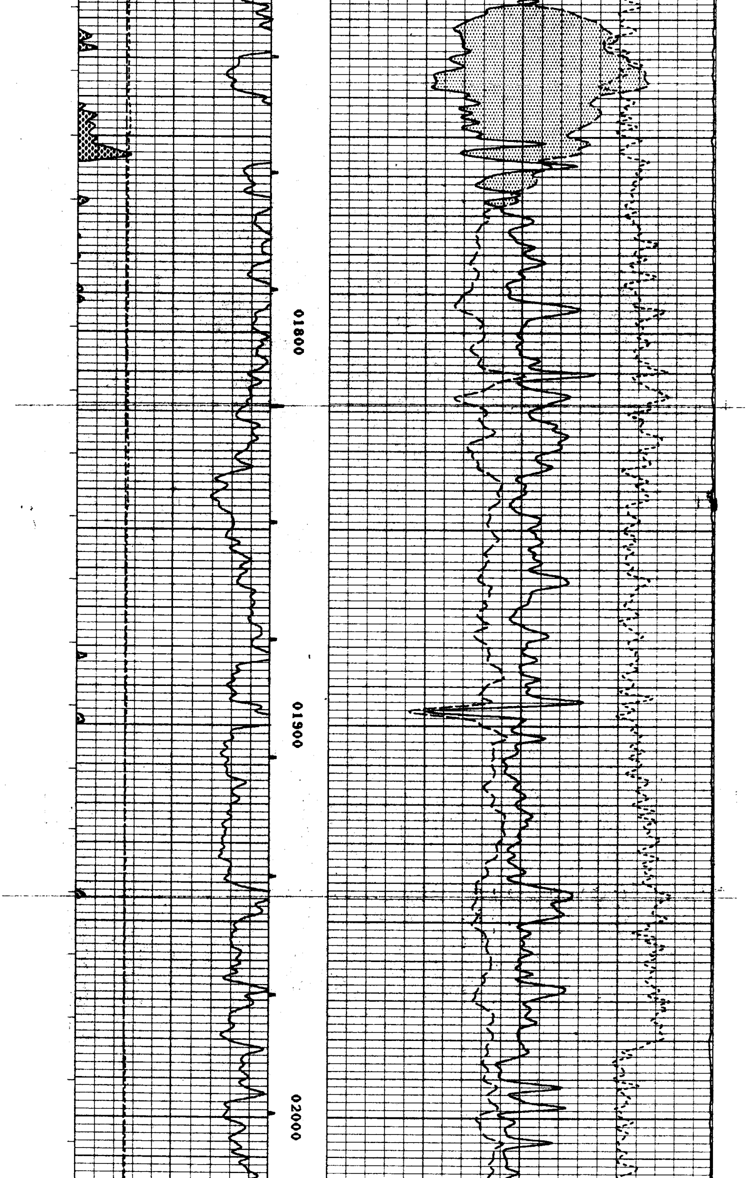
COMPANY: ARCO OIL & GAS COMPANY
RUN: 1

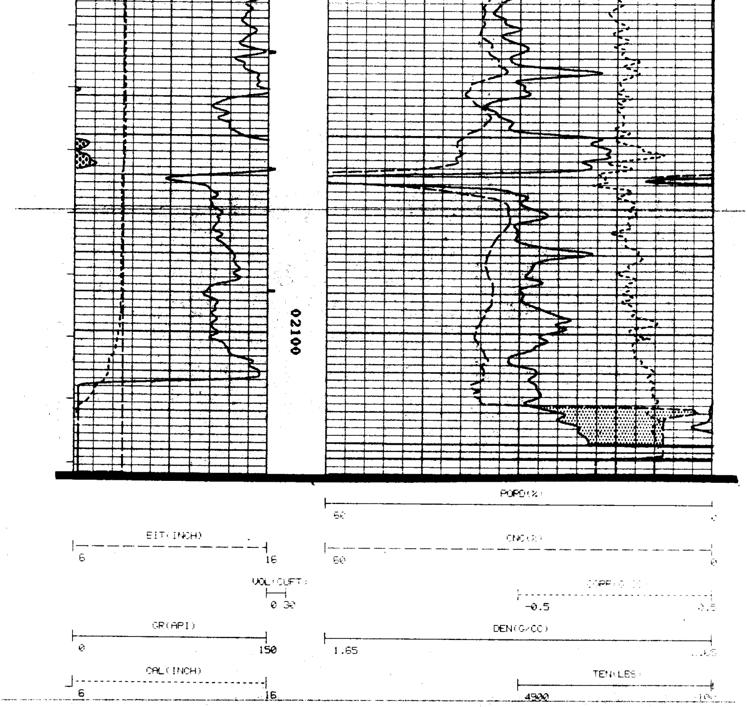
WELL NAME: CC 44-27-65
TRIP: 1

SERVICE: KC287B
FILE: 1
DATE: 07/04/88
TIME: 14:55:56

REVISION: FSYSAL REV GS08 VER+2
REPEAT SECTION
MODE: RECORD







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***************************************
*                                     *
*  CALIBRATION/VERIFICATION SUMMARIES *
*  DATE 07/04/88         TIME 17:18:16 *
*  RUN  1                TRIP 1       *
*                                     *
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          LOG NAME CDL    ASSET NO. 57833    UNIT NO. HL 6406
      CALIBRATION ENTERED ON  07/04/88 AT 14:00:11        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 05/18/88          CALIBRATION          TIME 12:43:36

 LSD     MG       265.6
 SSD              404.1
 DEN                                                       2.200  G/CC
 CORR                                                      0.000  G/CC
 LSD     AL        93.3    0.000     1.0000    2.8469
 SSD              271.5    0.000     1.0000    1.4885
 DEN                                                       2.800  G/CC
 CORR                                                      0.000  G/CC
 LSD     MGRV     246.5
 SSD              435.3
 DEN                                                       2.480  G/CC
 CORR                                                      0.236  G/CC

      DATE 06/02/88    PRIMARY VERIFICATION       TIME 21:15:00

 LSD     JIG       90.1    0.000     1.0000
 SSD              267.3    0.000     1.0000
 DEN                                                       2.816  G/CC
 CORR                                                     -0.004  G/CC

      DATE 07/04/88   BEFORE LOG VERIFICATION     TIME 14:31:55

 LSD     JIG       91.5    0.000     1.0000
 SSD              268.2    0.000     1.0000
 DEN                                                       2.802  G/CC
 CORR                                                     -0.009  G/CC

      DATE 07/04/88    AFTER LOG VERIFICATION     TIME 16:59:26

 LSD     JIG       92.8    0.000     1.0000
 SSD              270.1    0.000     1.0000
 DEN                                                       2.797  G/CC
 CORR                                                     -0.006  G/CC


       LOG NAME CAL     ASSET NO. 57833    UNIT NO. HL 6406
   CALIBRATION ENTERED ON  07/04/88 AT 14:01:34

 CURVE   MILLIVOLTS      SCALING FACTORS    ENGINEERING VALUES   UNITS
           LOW    HIGH    ADD.     MULT.       LOW        HIGH
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      DATE 06/02/88          CALIBRATION          TIME 20:54:29

 CAL     1353.8  3735.5    2.589    0.0185      6.000      12.000 INCH

                        PRIMARY VERIFICATION             NOT DONE

      DATE 07/04/88   BEFORE LOG VERIFICATION     TIME 14:43:55

 CAL       E     2550.9    2.589    0.0185        E          9.016 INCH

      DATE 07/04/88     AFTER LOG VERIFICATION    TIME 16:45:51

 CAL       E     2369.2    2.589    0.0185        E          8.558 INCH

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       LOG NAME CN      ASSET NO. 56094    UNIT NO. VENT/TP
   CALIBRATION ENTERED ON  07/04/88 AT 13:55:24              2435
                          SOURCE NUMBER S17S20

 CURVE   COUNTS/SEC.     SCALING FACTORS    RATIO     ENG. VALUE  UNITS
                          ADD.     MULT.  LSN/(SSN*4)
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      DATE 05/18/88          CALIBRATION          TIME 15:02:35

 LSN         78.6          0.000    1.0000
 SSN        165.9          0.000    1.0000
 CN                                          0.1185       24.558  %

      DATE 06/02/88     PRIMARY VERIFICATION      TIME 21:37:12

 LSN         71.9          0.000    1.0000
 SSN        121.2          0.000    1.0000
 CN                                          0.1484       16.572  %

      DATE 07/04/88   BEFORE LOG VERIFICATION     TIME 14:22:06

 LSN         73.3          0.000    1.0000
 SSN        121.9          0.000    1.0000
 CN                                          0.1503       16.174  %

      DATE 07/04/88    AFTER LOG VERIFICATION     TIME 17:06:08

 LSN         72.4          0.000    1.0000
 SSN        123.8          0.000    1.0000
 CN                                          0.1462       17.029  %


       LOG NAME GR      ASSET NO. 73467    UNIT NO. HL 6406
   CALIBRATION ENTERED ON  07/04/88 AT 14:02:49

 CURVE   MILLIVOLTS      SCALING FACTORS    ENGINEERING VALUES   UNITS
           LOW    HIGH    ADD.     MULT.       LOW        HIGH
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      DATE 06/02/88          CALIBRATION          TIME 20:44:50
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GR     1411.7  4742.6   0.000    0.1099     0.000    150.000 API

                      PRIMARY VERIFICATION             NOT DONE

     DATE 07/04/88   BEFORE LOG VERIFICATION    TIME 14:11:56

GR     6654.3  9929.3   0.000    0.1099   299.664    447.147 API

     DATE 07/04/88    AFTER LOG VERIFICATION    TIME 17:10:56

GR     4401.2  8157.8   0.000    0.1099   198.199    357.372 API
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