Western Atlas International
Atlas Wireline Services

BHC ACOUSTILOG®
GAMMA RAY

FILE NO. 2926

API NO.

5" = 100'

COMPANY ARCO OIL & GAS
WELL CFS (C. E. R.) 23-16-64
FIELD MIST
COUNTY COLUMBIA STATE OREGON

LOCATION:
1644.8' NORTH & 2170.4' EAST OF THE SOUTHWEST CORNER OF:
SEC 16 TWP 6N RGE 4W

OTHER SERVICES
DIFL-SP

PERMANENT DATUM GROUND LEVEL ELEV. 1046.8
LOGGING MEASURED FROM K. B. 10 FT. ABOVE P.D.
DRILLING MEASURED FROM K. B.

ELEVATIONS
KB 1056.81'
DF ---
GL 1046.81'

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.

FINAL PRINT

DATE	10/05/88				
RUN	1				
SERVICE ORDER	159110				
DEPTH-DRILLER	1775'				
DEPTH-LOGGER	1773'				
BOTTOM LOGGED INTERVAL	1744'				
TOP LOGGED INTERVAL	817'				
CASING - DRILLER	9 5/8"	@ 820'	@	@	@
CASING - LOGGER	817'				
BIT SIZE	8 1/2"				
TYPE FLUID IN HOLE	E - Z MUD				
DENSITY / VISCOSITY	10.0	45			
PH / FLUID LOSS	9.0	6.0			
SOURCE OF SAMPLE	FLOWLINE				
RM AT MEAS. TEMP.	4.54	@ 65	@	@	@
RMF AT MEAS. TEMP.	3.69	@ 65	@	@	@
RMC AT MEAS. TEMP.	4.91	@ 65	@	@	@
SOURCE OF RMF / RMC	MEASURED	MEASURED			
RM AT BHT	---	@ < 100	@	@	@
TIME SINCE CIRCULATION	2 HRS.				
MAX. REC. TEMP. DEG. F	< 100				
EQUIP. NO. / LOC.	HL 6406	SACRAMENTO			
RECORDED BY	TORGERSON				
WITNESSED BY	J. W. THOMPSON				

FOLD HERE

REMARKS RUN (1)

VOLUME COMPUTED FOR 7" CASING

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	DIFL	33304	1503XA	1.5" S.O.
1	1	AC	79726	1609-1603	CENT.
1	1	GR	60484	1309XA	CENT.
1	1	CAL	79090	4209XA	CENT.

PARAMETERS

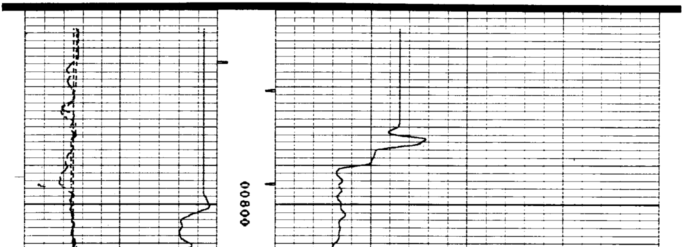
NAME	DEPTH INTERVAL	VALUE	UNITS
A	1779 TO 756	1.000	
M	1779 TO 756	2.000	
O.D.	1779 TO 756	7.000	INCH
DEL-T F	1779 TO 756	189.000	MICS/FT
DEL-T M	1779 TO 756	55.500	MICS/FT
DEL-T S	1779 TO 756	100.000	MICS/FT

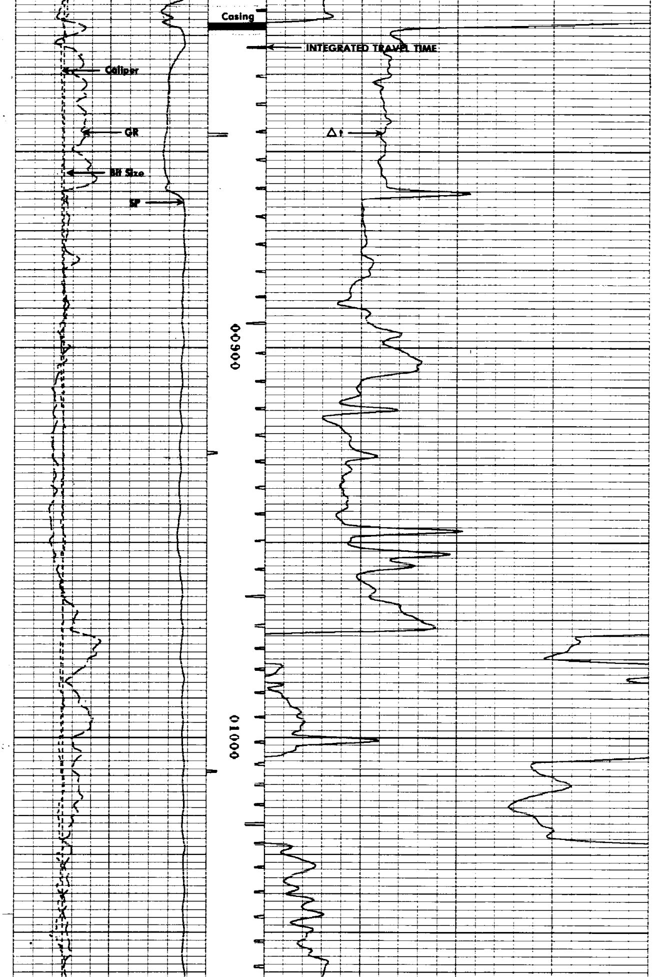
DISPLAY SCALE CHANGES

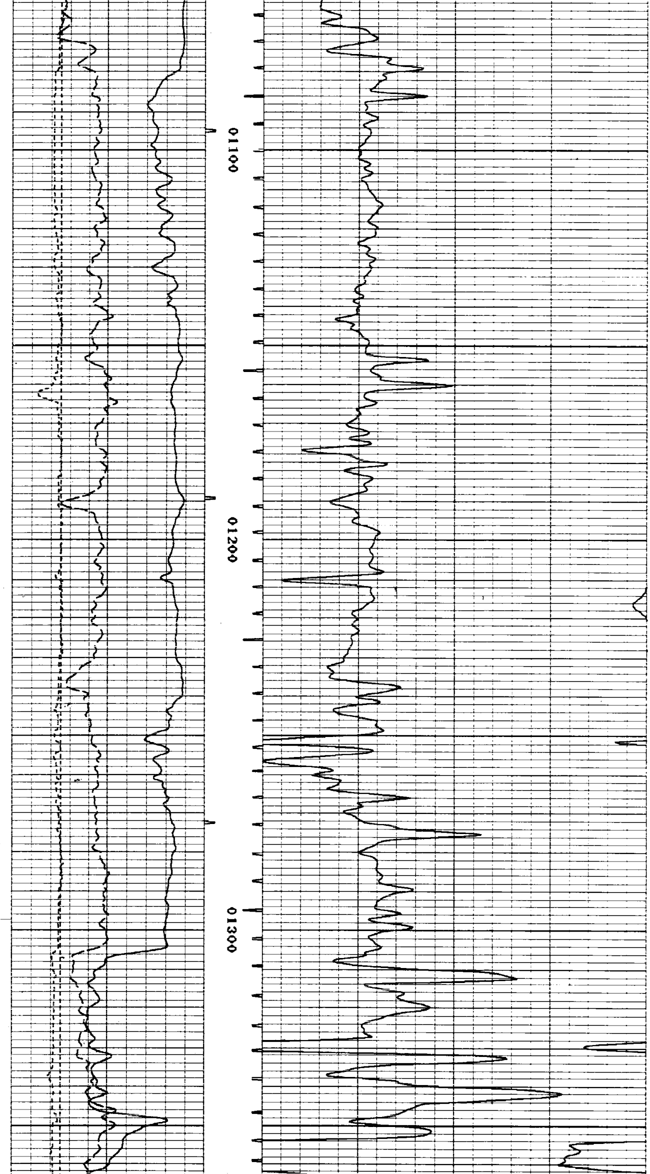
*** NONE ***

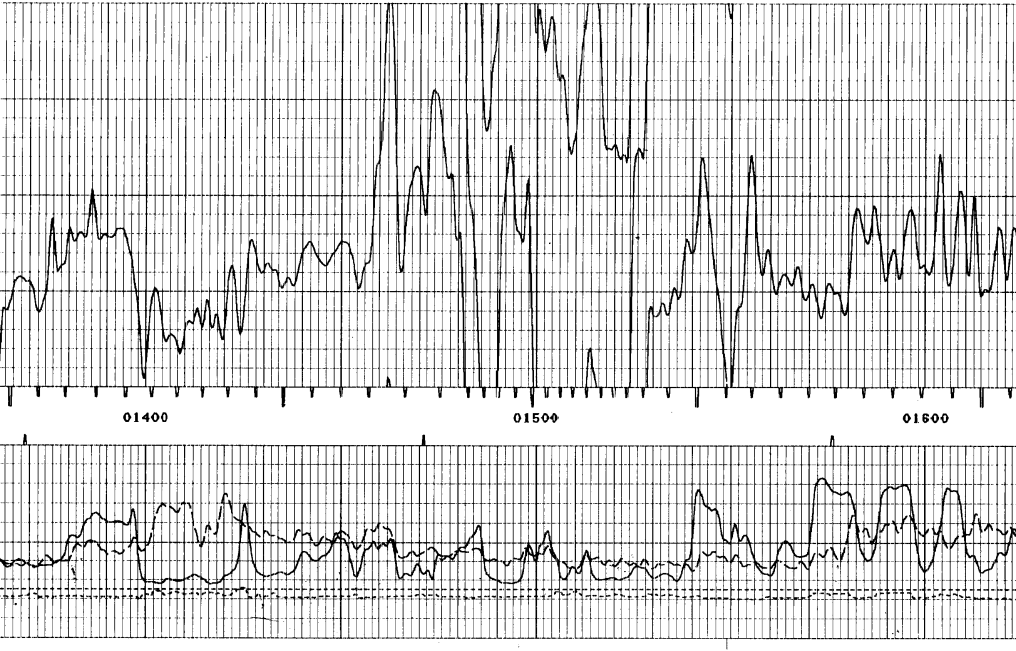
COMPANY: ARCO OIL & GAS RUN: 1
WELL NAME: C. E. R. 23-16-84 TRIP: 1
SERVICE: KC214N FILE: 2 DATE: 10 3/85 TIME: 15: 3:10
REVISION: FSYSAL REV G508 VER 2 MODE: PLAYBACK

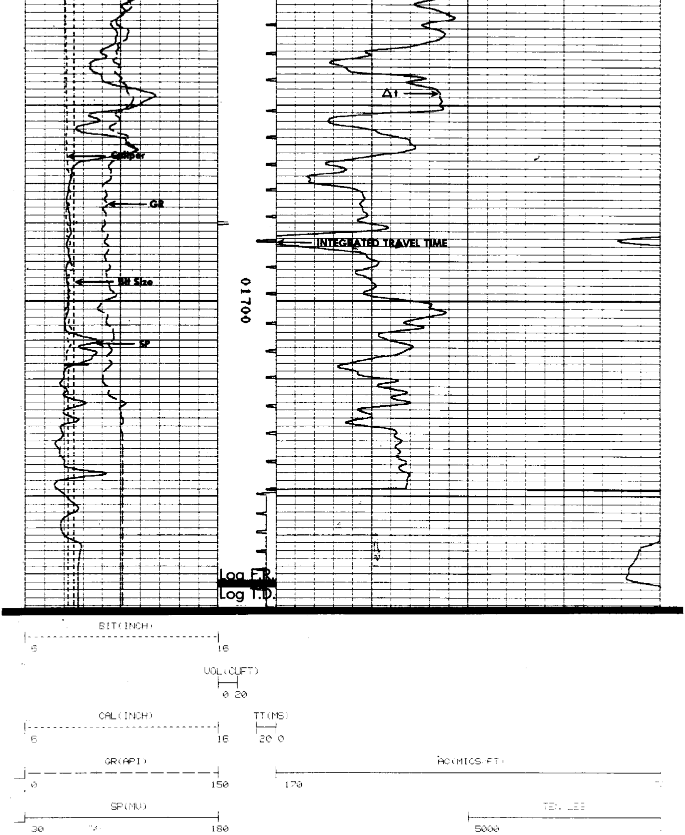
BIT(INCH) 6 16
VOL(CUFT) 0 20
CAL(INCH) 6 16
TT(MS) 20 0
GR(API) 0 150
AC(MICS/FT) 170
SP(MV) 30 180
TEN(LBS) 5000











PARAMETERS

NAME	DEPTH INTERVAL	VALUE	UNITS
A	1780 TO 1141	1.000	
M	1780 TO 1141	2.000	
B.S.	1780 TO 1141	7.000	INCH
DEL-T F	1780 TO 1141	189.000	MICS/FT
DEL-T M	1780 TO 1141	55.500	MICS/FT
DEL-T S	1780 TO 1141	100.000	MICS/FT

DISPLAY SCALE CHANGES

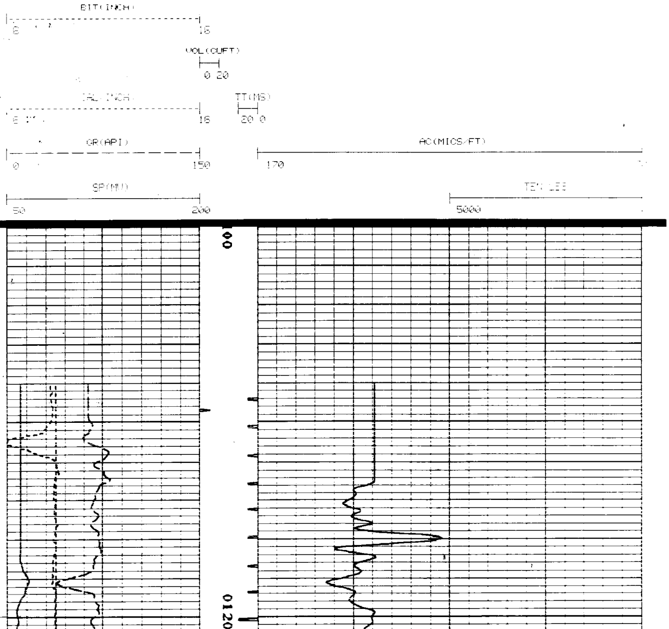
*** NONE ***

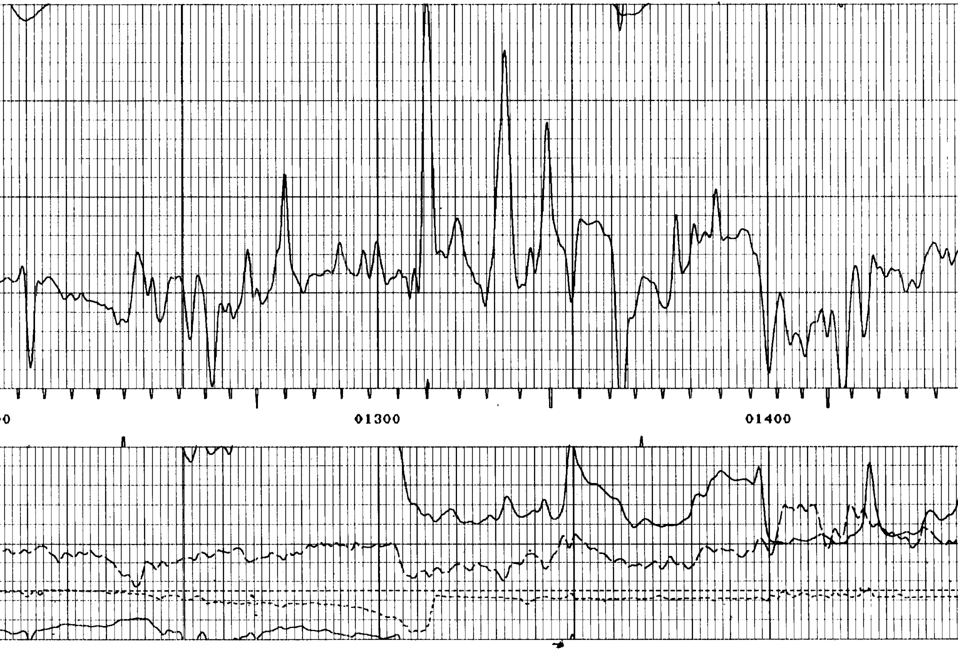
COMPANY: ARCO OIL & GAS RUN: 1

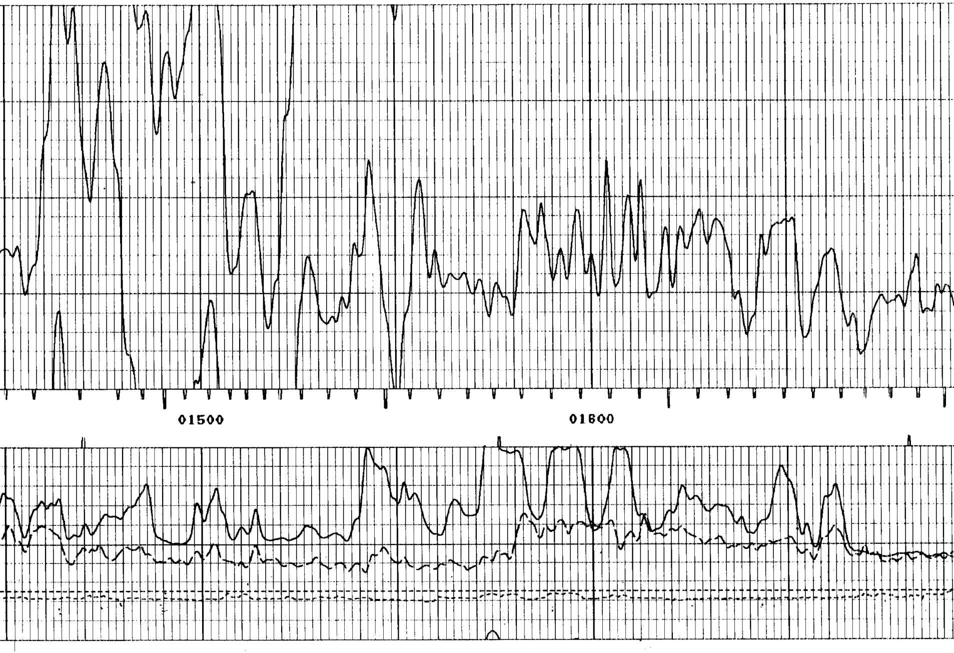
WELL NAME: C. E. R. 23-18-84 TRIP: 1

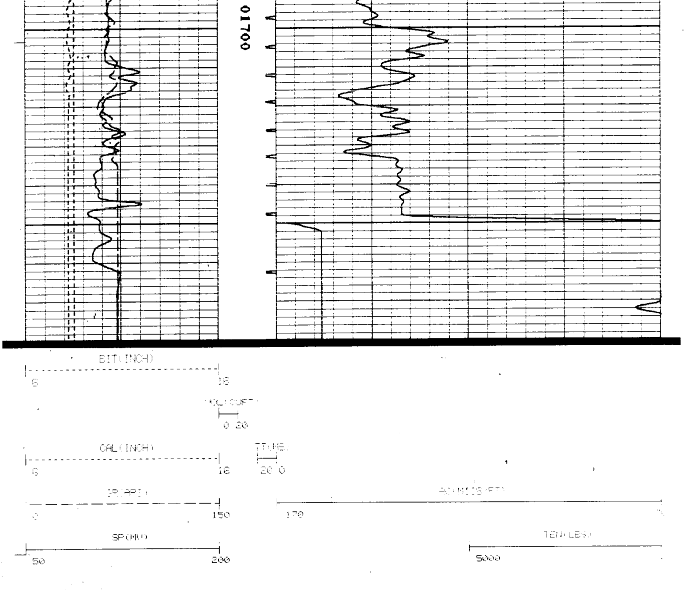
SERVICE: KC214N FILE: 1 DATE: 10/ 3/88 TIME: 14:35:

REVISION: FSYSAL REV GS08 VER 2 **REPEAT SECTION** MODE: PLAYBACK









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*                                       *
*  CALIBRATION/VERIFICATION SUMMARIES   *
*  DATE 10/03/88          TIME 16:29:35 *
*  RUN  1                 TRIP 1        *
*                                       *
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    LOG NAME DIFL    ASSET NO. 33304    UNIT NO. HL 6406
 CALIBRATION ENTERED ON  10/03/88 AT 14:22:35

CURVE  MILLIVOLTS      SCALING FACTORS    ENGINEERING VALUES   UNITS
        LOW    HIGH    ADD.     MULT.        LOW       HIGH
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     DATE 08/16/88         CALIBRATION          TIME 14:02:34

CILD    -0.3   492.7    1.250     1.9747      1.000    500.000 MMHO
CILM    -2.3   509.0    3.079     2.2026      1.000    500.000 MMHO
CFOC     3.5   497.0   -1.559     2.4625      1.000    500.000 MMHO

     DATE 08/16/88    PRIMARY VERIFICATION      TIME 14:03:57

CILD    -0.1   491.7    1.250     1.9747      1.191    498.200 MMHO
CILM    -0.0   506.4    3.079     2.2026      3.133    497.327 MMHO
CFOC     4.7   503.9   -1.559     2.4625      3.186    506.895 MMHO

     DATE 10/03/88   BEFORE LOG VERIFICATION    TIME 14:24:55

CILD     0.1   494.0    1.105     1.9662      1.191    498.200 MMHO
CILM     0.4   506.9    2.707     2.2020      3.133    497.327 MMHO
CFOC     4.7   481.4   -1.830     2.5784      3.186    506.895 MMHO

     DATE 10/03/88    AFTER LOG VERIFICATION    TIME 15:43:17

CILD     0.2   495.4    1.105     1.9662      1.280    499.787 MMHO
CILM     0.4   506.8    2.707     2.2020      3.133    497.206 MMHO
CFOC     4.8   479.0   -1.830     2.5784      3.270    504.381 MMHO
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      LOG NAME GR      ASSET NO. 60484P   UNIT NO. HL6406
   CALIBRATION ENTERED ON  10/03/88 AT 13:39:38

 CURVE   COUNTS/SEC.     SCALING FACTORS    ENGINEERING VALUES   UNITS
           LOW    HIGH    ADD.     MULT.        LOW        HIGH
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      DATE 09/02/88          CALIBRATION          TIME 17:18:30

 GR        73.8   295.5    0.000    0.6766      0.000     150.000 API



      DATE 10/03/88     AFTER LOG VERIFICATION     TIME 16:26:15

 GR       143.9   362.4    0.000    0.6766     97.344     245.230 API


      LOG NAME CAL     ASSET NO. 79090     UNIT NO. HL 6406
   CALIBRATION ENTERED ON  10/03/88 AT 13:39:12

 CURVE   MILLIVOLTS      SCALING FACTORS    ENGINEERING VALUES   UNITS
           LOW    HIGH    ADD.     MULT.        LOW        HIGH
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      DATE 09/02/88          CALIBRATION          TIME 17:17:18

 CAL    3442.5  8350.9    1.792    0.0090      6.000      12.000 INCH



      DATE 10/03/88     AFTER LOG VERIFICATION     TIME 16:25:01
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