



COMPANY: ARCO EXPLORATION COMPANY  
 WELL: BANZER 034-16  
 RECEIVED - PLUD: APR 17 1985  
 DEPT: MIST-HILDCAT  
 COUNTY: COLUMBIA  
 STATE: OREGON  
 NATIONAL: USA  
 LOCATION: 90°N & 199°W OF SE COR  
 SECS: 16 TAP: 6N  
 REG: 5M

PERMANENT DATUM: GL  
 ELEV. OF PERM. DATUM: 577.0 F  
 ELEVATIONS:-  
 K1: 590.0 F  
 D1: 589.0 F  
 GL1: 577.0 F  
 LOG MEASURED FROM: KB  
 LOG MEASUREMENT: 13.0 F ABOVE PERM. DATUM  
 DRLG. MEASURED FROM: KB

DEPTH-DRILLER: 4914.0 F  
 DEPTH-LOGGER: 4908.0 F  
 BTH. LOG INTERVAL: 4009.0 F  
 TOP LOG INTERVAL: 1000.0 F  
 CASING-DRILLER: 966 F  
 CASING-LOGGER: 964 F  
 CASING LOG INTERVAL: 578 F  
 CASING WEIGHT: 36.00 LB/FT  
 BIT SIZE: 8 3/4"  
 DEPTH: 4914 F

DATE: 16 APR 85  
 RUN NO: 1

OTHER SERVICES:-  
 DIL DIGITAL SDNI  
 SHOT LDT/CNL/NGT  
 CST  
 API SERIAL NO: 36-009-001

PROGRAM TAPE NO: 25704  
 SERVICE ORDER NO: 428414

TYPE FLUID IN HOLE: DESCO-DRISPA  
 DENSITY: 10.2 LB/G  
 VISCOSITY: 44.0 S  
 PH: 9.5  
 FLUID LOSS: 4.8 C3  
 SOURCE OF SAMPLE: FLDWLINE  
 RH: 3.170 DHMM AT 83.0 DEGF  
 RHF: 2.850 DHMM AT 64.0 DEGF  
 RMC: 1.070 DHMM AT 67.0 DEGF  
 SOURCE RHF/RMC: MEAS/MEAS  
 RH AT BHT: 2.282 DHMM AT 118. DEGF  
 RHF AT BHT: 1.610 DHMM AT 118. DEGF  
 RMC AT BHT: .633 DHMM AT 118. DEGF

TIME CIRC. STOPPED: 13:30 4/15  
 TIME LOGGER ON BTH.: 05:45 4/16

MAX. REC. TEMP: 118.0 DEGF

LOGGING UNIT NO: 0120  
 LOGGING UNIT LDC: SACRAMENTO  
 RECORDED BY: MAYER  
 WITNESSED BY: BUIKEMA

REMARKS:  
 CHLORIDES: 900PPM  
 DYNAMITE WAS USED AS THE SOURCE, SEE DATA SHEET FOR LOCATION

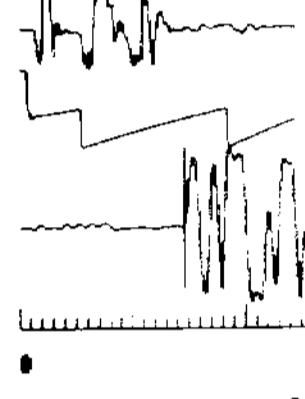
EQUIPMENT NUMBERS-

WSM 1735 WDM 866 WSI 752 CAC 967  
 NPS 968 WSA 953 WSC 930 CPU 1617

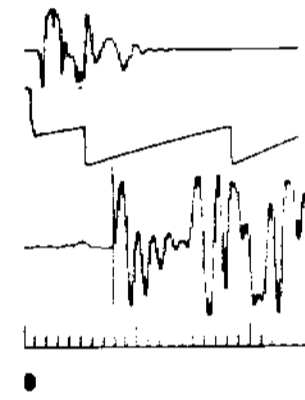
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCE FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

FILE 19 16-APR-85 08107  
 DATA ACQUIRED 01-JAN-80 00100

SHOT # 12 @ 1000.0 F 4/16/85 7 143 TT = 146.0 MS  
 REFERENCE SIGNAL 0.0 VOLTS @ 0.0 MSEC  
 GEOPHONE .008124 CM/SEC @ 146.0 MS



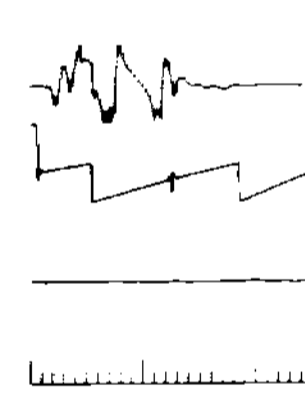
SHOT # 11 @ 1000.0 F 4/16/85 7 140 TT = 79.6 MS  
 REFERENCE SIGNAL 0.0 VOLTS @ 0.0 MSEC  
 GEOPHONE .008120 CM/SEC @ 79.6 MS



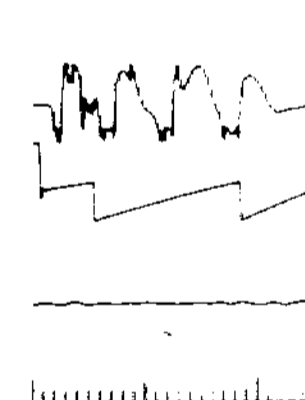
SHOT # 10 @ 1500.0 F 4/16/85 7 125 TT = 215.5 MS  
 REFERENCE SIGNAL 6.18 VOLTS @ 0.0 MSEC  
 GEOPHONE .008715 CM/SEC @ 215.5 MS



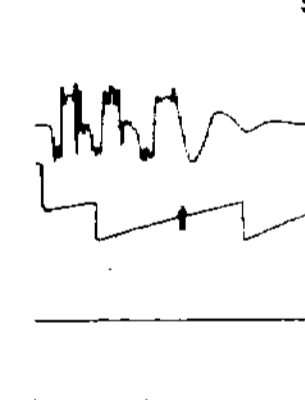
SHOT # 9 @ 2000.0 F 4/16/85 7 118 TT = 271.4 MS  
 REFERENCE SIGNAL 0.0 VOLTS @ 0.0 MSEC  
 GEOPHONE .008760 CM/SEC @ 271.4 MS



SHOT # 8 @ 2500.0 F 4/16/85 7 11 TT = 316.6 MS  
 REFERENCE SIGNAL 0.0 VOLTS @ 0.0 MSEC  
 GEOPHONE .008949 CM/SEC @ 316.6 MS



SHOT # 7 @ 3000.0 F 4/16/85 6 150 TT = 357.8 MS  
 REFERENCE SIGNAL 0.0 VOLTS @ 0.0 MSEC  
 GEOPHONE .006940 CM/SEC @ 357.8 MS



SHOT # 5 @ 3500.0 F 4/16/85 6 141 TT = 234.0 MS  
 REFERENCE SIGNAL 6.18 VOLTS @ 0.0 MSEC  
 GEOPHONE .008925 CM/SEC @ 234.0 MS



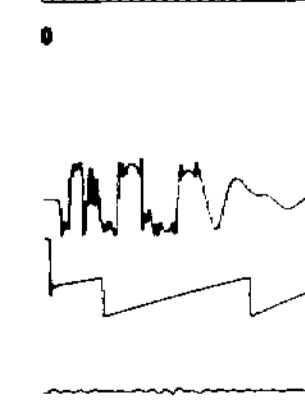
SHOT # 4 @ 4000.0 F 4/16/85 6 134 TT = 37.3 MS  
 REFERENCE SIGNAL 0.0 VOLTS @ 0.0 MSEC  
 GEOPHONE .008496 CM/SEC @ 37.3 MS



SHOT # 3 @ 4500.0 F 4/16/85 6 112 TT = 486.6 MS  
 REFERENCE SIGNAL 0.0 VOLTS @ 0.0 MSEC  
 GEOPHONE .001061 CM/SEC @ 486.6 MS



SHOT # 2 @ 4885.0 F 4/16/85 5 154 TT = 515.9 MS  
 REFERENCE SIGNAL 0.0 VOLTS @ 0.0 MSEC  
 GEOPHONE .002027 CM/SEC @ 515.9 MS



BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 85/04/16  
 PROGRAM FILE: WSS (VERSION 25.704 83/09/12)

WSTA CALIPER CALIBRATION SUMMARY

CALI	MEASURED		CALIBRATED		UNITS
	SMALL	LARGE	SMALL	LARGE	
8.1	8.1	15.3	8.0	12.0	IN

FILE 2 16-APR-85 04:48  
 DATA ACQUIRED 01-JAN-80 00:00