

COMPANY: ARCO EXPLORATION COMPANY
 RECEIVED FILE NO: 201005
 DATE: MAY 20 1985

WELL: COLUMBIA COUNTY- 844-21
 FIELD: SOUTH WEST
 COUNTY: OREGON
 STATE: OREGON
 LOCATION: 2224 AND 4224 FROM SE CORNER OF T1P1 6N
 SECT: 21
 RGET: 5H
 API SERIAL NO: 36 009 001

PERMANENT DATUM: GL
 ELEVATION: 869.6 F
 ELEV. OF PERM. DATUM: KB
 DFI: 879.0 F
 LOG MEASURED FROM: KB
 DATUM: GL
 869.6 F
 DRG. MEASURED FROM: KB

DATE: 7 FEB 85
 RUN NO: 1
 DEPTH-DRILLER: 4300.0 F
 DEPTH-LOGGER: 4300.0 F
 BIT LOG INTERVAL: 498.0 F
 TDP LOG INTERVAL: 990.0 F
 CASING-DRILLER: 990 F
 CASING-LOGGER: 9 5/8"
 BIT SIZE: 8 3/4"
 DEPTH: 4300 F

OTHER SERVICES:
 DIL-BHC
 HNT
 HST
 CST
 TAP
 36 009 001

PREPARED BY: GL
 DATE: 8/2/85
 CHECKED BY: KB
 DATE: 8/2/85
 SERVICE NO: 42303

CONFIDENTIAL

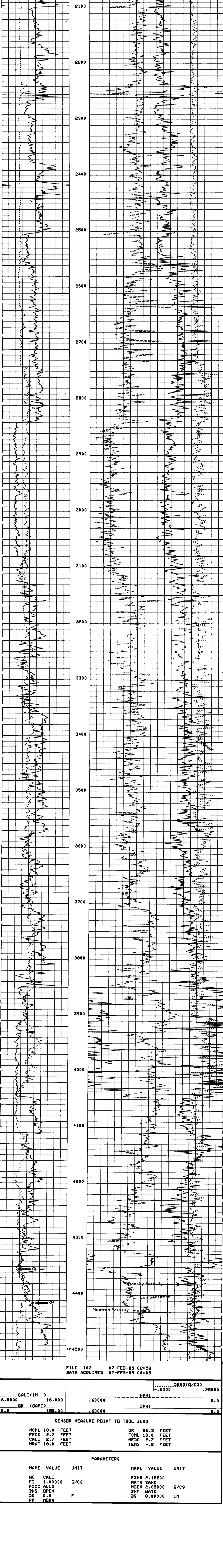
TYPE FLUID IN HOLE: GEL/LIGND
 DENSITY: 11.6 LB/G
 VISCOSITY: 51.0 S
 PH: 8.0
 FLUID LOSS: 6.1 C3
 SOURCE OF SAMPLE: MUDPT
 RM: 2.640 DHMM AT 64.0 DEGF
 RMF: 2.700 DHMM AT 48.0 DEGF
 RMC: 3.590 DHMM AT 48.0 DEGF
 SOURCE RMF/RMC: MEASURED/MEASURED
 RH AT BHT: 1.629 DHMM AT 108. DEGF
 RMF AT BHT: 1.291 DHMM AT 108. DEGF
 RMC AT BHT: 1.716 DHMM AT 108. DEGF
 TIME CIRC. STOPPED: 03100 2-5
 TIME LOGGER ON BTH.: 00105 2-7
 MAX. REC. TEMP: 108.0 DEGF
 LOGGING UNIT NO: 8128
 LOGGING UNIT LOC: SACRAMENTO
 RECORDED BY: PILCH
 WITNESSED BY: ANDERSON

REMARKS:

EQUIPMENT NUMBERS-
 PGS-HB 660 PGC-JA 569 CNC-A 2359 SGC-JA 3206
 NLM-BC 418

ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES 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 103 07-FEB-85 03104
 DATA ACQUIRED 07-FEB-85 02105



FILE 103 07-FEB-85 02158
 DATA ACQUIRED 07-FEB-85 00108

SENSOR MEASURE POINT TO TOOL ZERO
 MCHL 18.0 FEET
 FFDC 5.7 FEET
 CALI 2.7 FEET
 MRAT 18.0 FEET
 GR 26.5 FEET
 FCNL 18.0 FEET
 WFCN 2.7 FEET
 TENS -2 FEET

NAME	VALUE	UNIT	NAME	VALUE	UNIT
MC	CALI		PSNR	2.18200	
FD	1.00000	G/C3	MATR	SAND	
FDCC	ALLD		MDEM	2.65000	G/C3
BHS	OPEN		BWF	WATE	
DD	0.0	F	BS	8.00000	IN
PP	NDRH				