

COMPANY: ARCO EXPLORATION & TECHNOLOGY COMPANY  
 WELL: "LONGVIEW FIBRE" 13-6  
 FIELDS: MIST  
 COUNTY: COLUMBIA  
 STATE: OREGON  
 NATION: U.S.A.  
 LOCATION: FROM N 1/4 - N 89 DEG 15' 21" E 591.62'  
 PERPEN. TO LINE S 0 DEG 44' 39" E 80.61'  
 SEC: 6 TWP: 5N RGE: 4W  
 PERMANT DATION: GL ELEVATIONS-  
 ELEV. OF PERM. DATUM: 782.2 F KB: 793.2 F  
 LOG MEASURED FROM: KB DFI:  
 DPLG. MEASURED FROM: KB GL: 782.2 F  
 DATE: 10 MAR 86  
 RUN NO: 1  
 DEPTH-DRILLER: 1473.0 F  
 DEPTH-LOGGER: 1473.0 F  
 B.M. LOG INTERVAL: 1484.0 F  
 TOP LOG INTERVAL: 489.0 F  
 CASING-DRILLER: 450.0 F  
 CASING-LOGGER: 459.0 F  
 CASING: 9 5/8 IN  
 WEIGHT: 36.0000 LB/F  
 BIT SIZE: 8 3/4 IN  
 DEPTH: 1473.0 F

RECEIVED - PLUD  
 APR 21 1986  
 DEPT. OF GEOLOGY  
 A UNIT OF OREGON

OTHER SERVICES-  
 DIPIETER  
 LSS  
 DENSITY  
 NEUTRON

PROGRAM  
 TAPE NO:  
 288.4  
 SERVICE  
 DRIVER NO:  
 432083

TYPE FLUID IN HOLE: DESCO WELPAC  
 DENSITY: 10.00 LB/G  
 VISCOSITY: 50.0 S  
 PH: 11.0  
 FLUID LOSS: 6.2 C3  
 SOURCE OF SAMPLE: FLOW LINE  
 RM: 2.250 OHMM AT 63.0 DEGF  
 RMF: 6.100 OHMM AT 49.0 DEGF  
 RMC: .550 OHMM AT 48.0 DEGF  
 SOURCE RMF/RMC: MEASURED/MEASURED  
 RM AT BHT: 1.694 OHMM AT 86.0 DEGF  
 RMF AT BHT: 3.673 OHMM AT 86.0 DEGF  
 RMC AT BHT: .325 OHMM AT 86.0 DEGF  
 TIME CIRC. STOPPED: 10:30 10 MAR  
 TIME LOGGER ON BTM.: 13:20 10 MAR  
 MAX. REC. TEMP: 86.0 DEGF  
 LOGGING UNIT NO: 8057  
 LOGGING UNIT LOC: SACRAMENTO  
 RECORDED BY: ROTHERS  
 WITNESSED BY: ANDERSON

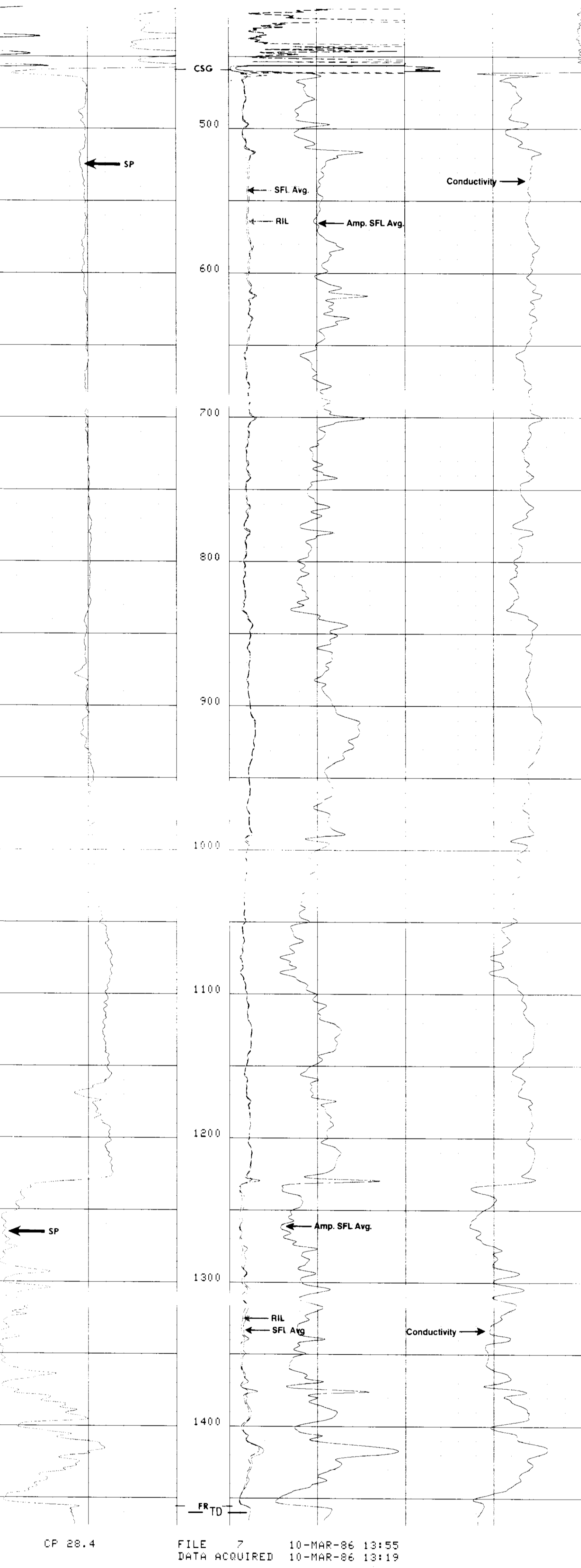
REMARKS:  
 800 PPM CL-  
 1.5" STANDOFFS USED ON DUAL INDUCTION  
 2 CMEZ'S USED ON SONIC FOR CENTRALIZATION

EQUIPMENT NUMBERS-  
 DIS-EC 567 DIC-DA 552 MCD-DA 1237 SLS-SC 246  
 SLC-FA 1321 SGC-JAA 581 IEM-ED 162 SLM-DA 443  
 NLM-BC 202

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.

CP 28.4 FILE 7 10-MAR-86 14:08  
 DATA ACQUIRED 10-MAR-86 13:48

ILD (OHMM) 0.0 30.000  
 SFLA(OHMM) 0.0 6.0000  
 SP (MV) -100.0 0.0  
 SFLA(OHMM) 0.0 30.000 1000.0  
 CILD(MMHO) 0.0



CP 28.4 FILE 7 10-MAR-86 13:55  
 DATA ACQUIRED 10-MAR-86 13:19

ILD (OHMM) 0.0 30.000  
 SFLA(OHMM) 0.0 6.0000  
 SP (MV) -100.0 0.0  
 SFLA(OHMM) 0.0 30.000 1000.0  
 CILD(MMHO) 0.0

SENSOR MEASURE POINT TO TOOL ZERO

|       |      |      |      |      |      |
|-------|------|------|------|------|------|
| DEPTH | 51.0 | FEET | AMPL | 46.0 | FEET |
| TT1   | 47.0 | FEET | CBL  | 46.0 | FEET |
| TT3   | 46.0 | FEET | TT2  | 46.0 | FEET |
| TO    | 46.0 | FEET | TT4  | 46.0 | FEET |
| DLTT  | 46.0 | FEET | TT   | 46.0 | FEET |
| CALI  | 31.0 | FEET | SCBL | 46.0 | FEET |
| NLM   | 5.0  | FEET | ILD  | 9.4  | FEET |
| SPR   | 5.0  | FEET | SFL  | 6.4  | FEET |
| TENS  | 2.5  | FEET | SPAR | 2.5  | FEET |
| NOIS  | 2.5  | FEET |      |      |      |

PARAMETERS

| NAME | VALUE   | UNIT | NAME | VALUE   | UNIT |
|------|---------|------|------|---------|------|
| CDTS | 100.000 |      | SPFS | R-H     |      |
| DTF  | 189.000 | US/F | DTM  | 56.0000 | US/F |
| SPS  | DT      |      | ITTS | DT      |      |
| DSIN | 5       | US   | DDCL | 200     | US   |
| DSEC | 5.40000 | MMHO | DWCD | 512     |      |
| NSEC | 6.60000 | MMHO | SBR  | 1.00000 | OHMM |
| BHS  | OPEN    |      | FPHI | SPHI    |      |
| DD   | 0.0     | F    | BS   | 8.75000 | IN   |
| PP   | NORM    |      |      |         |      |

TAPE NOT MADE