Schlumberger

5" & 2" DUAL INDUCTION-SFL

CSU

COMPANY: ARCO OIL AND GAS CO.

WELL: LONGVIEW FIBRE 41-35

FIELD: MIST
COUNTY: COLUMBIA
STATE: OREGON
NATION: USA
LOCATION: 636' S & 364' W
OF NE COR
SEC: 35 TWP: 6N RGE: 5W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 742.0 F
LOG MEASURED FROM: KB
12.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 754.0 F
DF:
GL: 742.0 F

DATE: 19 AUG 86
RUN NO: 1

DEPTH-DRILLER: 1585 F
DEPTH-LOGGER: 1589 F
BTM. LOG INTERVAL: 1588.0 F
TOP LOG INTERVAL: 445.0 F

CASING-DRILLER: 445.0 F
CASING-LOGGER: 445.0 F
CASING: 9 5/8
WEIGHT:
BIT SIZE: 8 1/2
DEPTH:

OTHER SERVICES-
LDT
CNL
HDT
WST

PROGRAM
TAPE NO:
28.4
SERVICE
ORDER NO:
524219

TYPE FLUID IN HOLE: SPERSENE CF
DENSITY: 11.00 LB/G
VISCOSITY: 40.0 S
PH: 11.5
FLUID LOSS: 7.2 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 2.230 OHMM AT 58.0 DEGF
RMF: 1.410 OHMM AT 55.0 DEGF
RMC: 2.090 OHMM AT 55.0 DEGF
SOURCE RMF/RMC: MEAS/MEAS
RM AT BHT: 1.421 OHMM AT 95.0 DEGF
RMF AT BHT: .857 OHMM AT 95.0 DEGF
RMC AT BHT: 1.270 OHMM AT 95.0 DEGF

TIME CIRC. STOPPED: 02: 50
TIME LOGGER ON BTM.: 3:55

MAX. REC. TEMP: 95.0 DEGF

LOGGING UNIT NO: 8128
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: KUNKLER/HARPER
WITNESSED BY: JACKSON/WEAVER

REMARKS:

1.5 INCH STANDOFFS USED ON DIL.

EQUIPMENT NUMBERS-

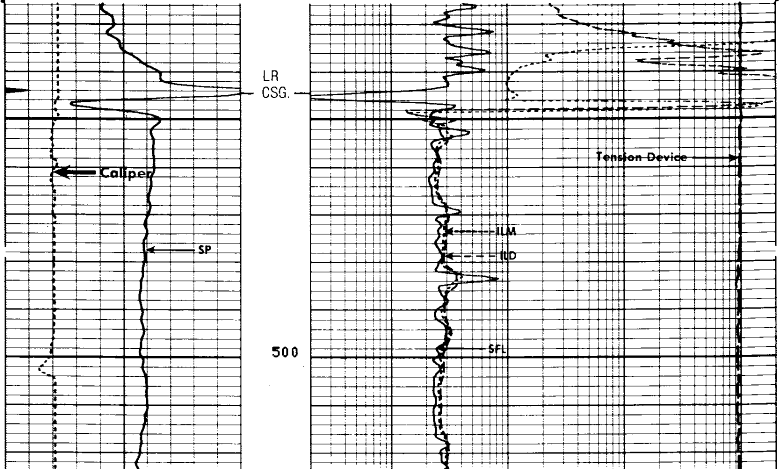
DIS 1342	DIC 1386	SLS 1086	SLC 1259
MCB 305	IEM 685	SLS 214	

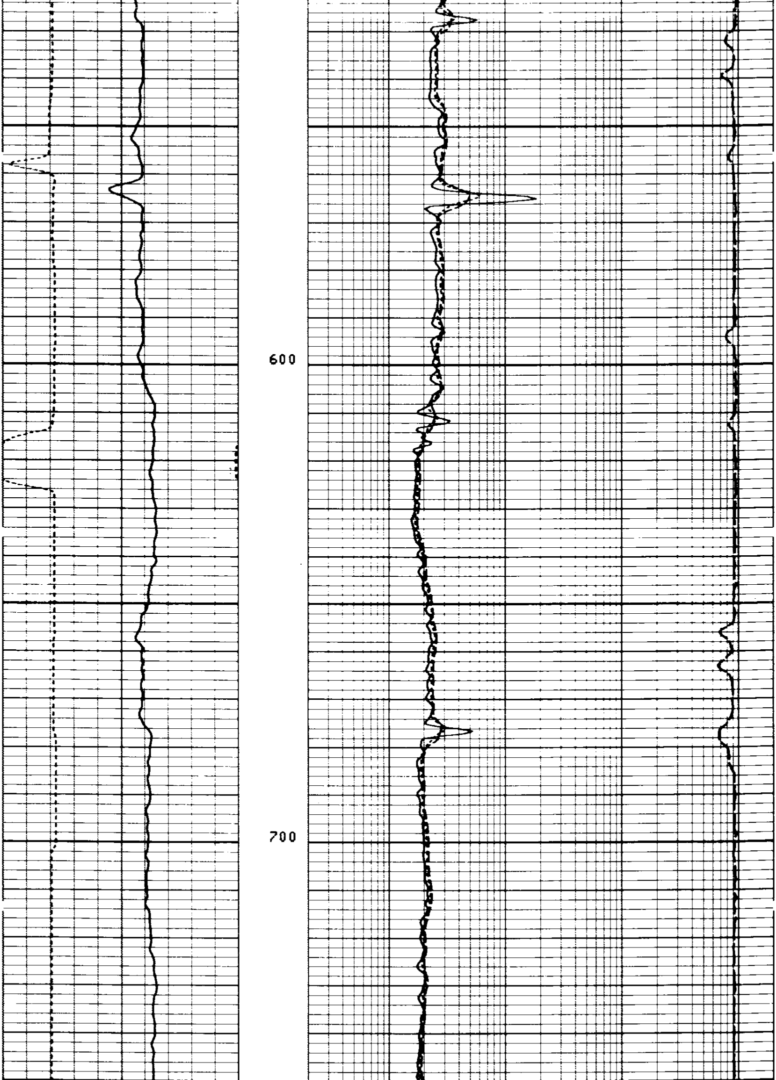
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, 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.

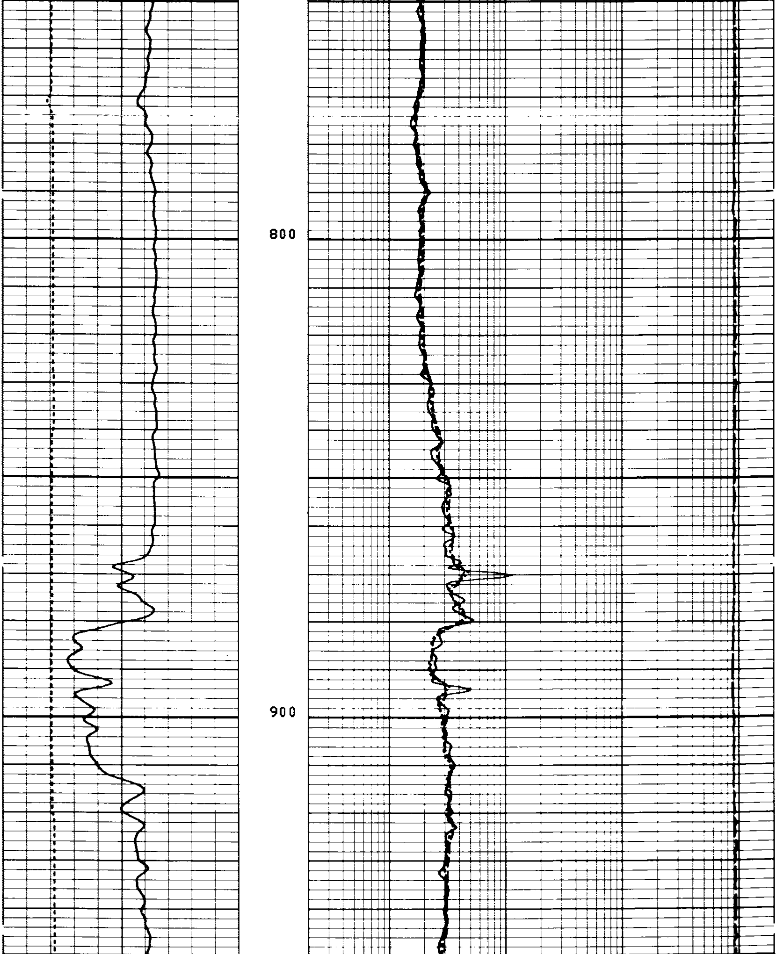
CP 28.4 FILE 0 20-AUG-86 05:03
DATA ACQUIRED NA

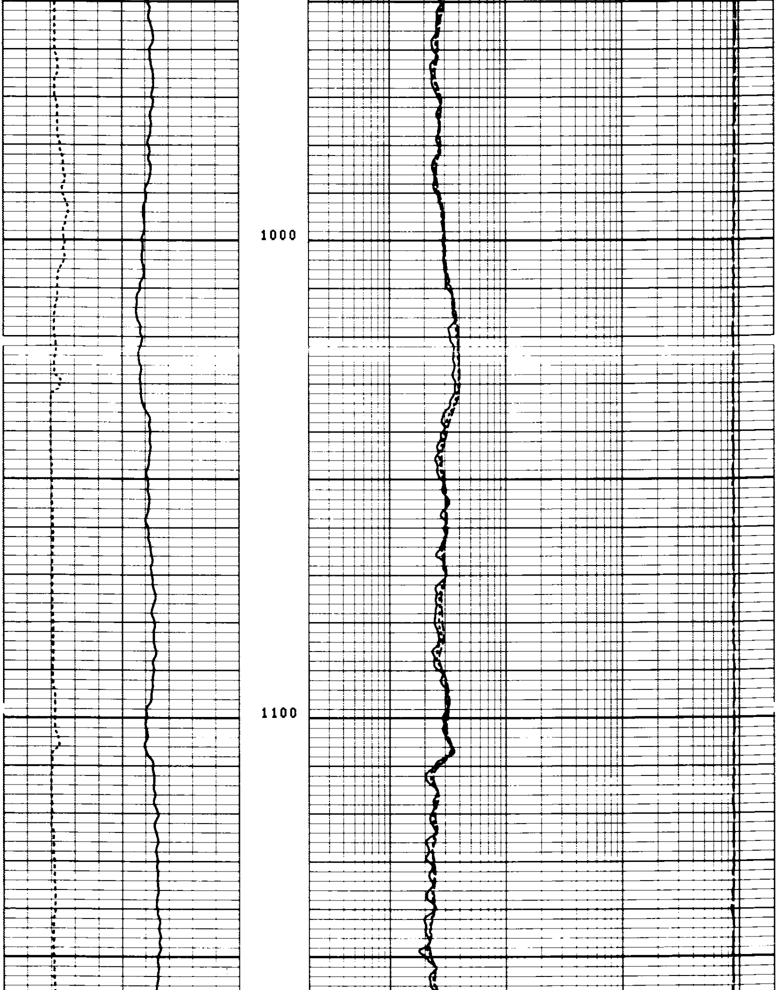
TENS(LB) 5000.0 0.0
ILD (OHMM) .20000 2000.0
CALI(IN) 6.0000 16.000
ILM (OHMM) .20000 2000.0
SP (MV) -100.0 0.0
SFLU(OHMM) .20000 2000.0

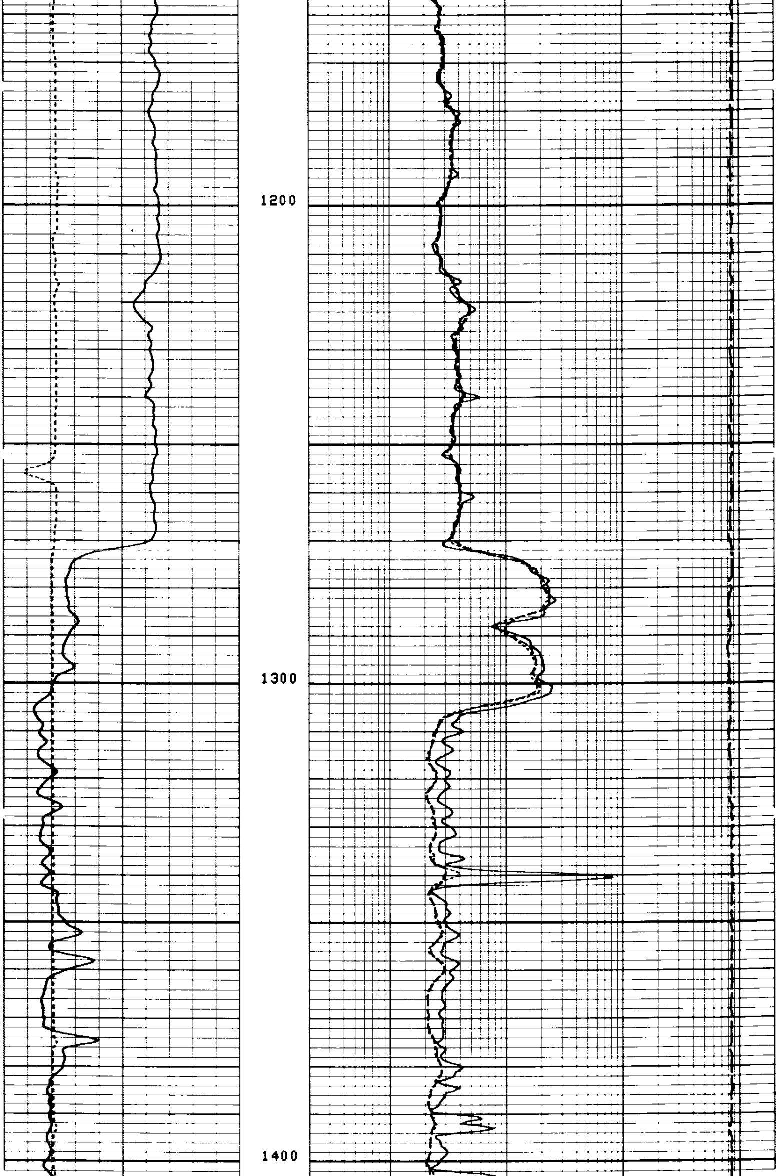
CP 28.4 FILE 3 20-AUG-86 04:21
DATA ACQUIRED 20-AUG-86 04:10

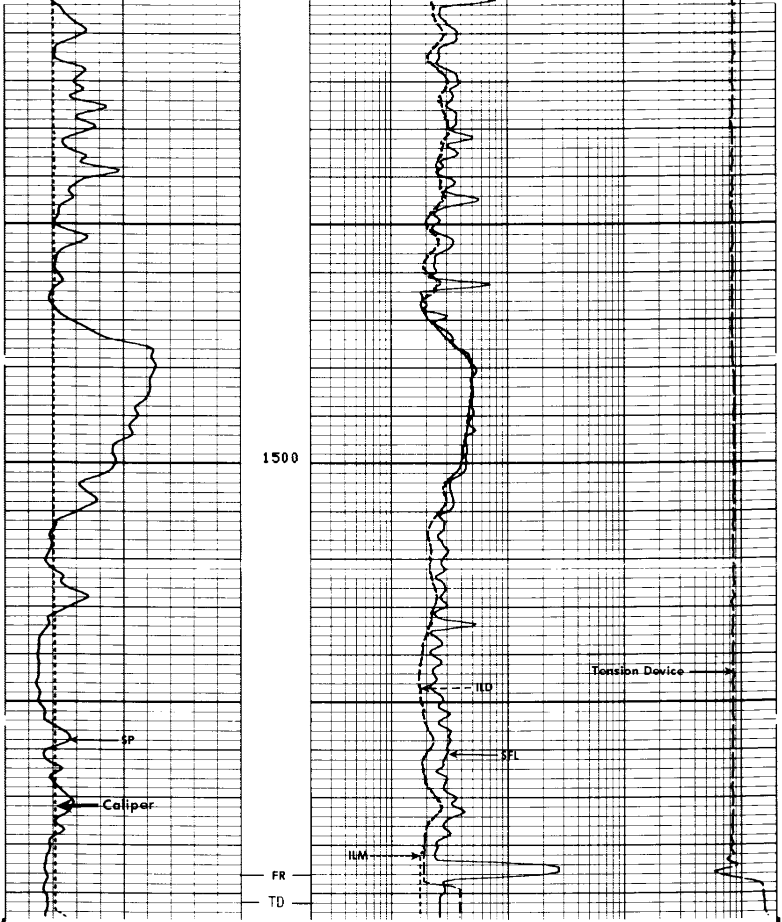












CP 28.4 FILE 3 20-AUG-86 04:19
DATA ACQUIRED 20-AUG-86 03:55

		TENS(LB)	
		5000.0	0.0
		ILD (OHMM)	
		.20000	2000.0
CALI(IN)		ILM (OHMM)	
6.0000	16.000	.20000	2000.0
SP (MV)		SFLU(OHMM)	
-100.0	0.0	.20000	2000.0

SENSOR MEASURE POINT TO TOOL ZERO

SRAT	34.6	FEET	AMPL	37.1	FEET
TT1	36.1	FEET	CBL	37.1	FEET
TT3	33.3	FEET	TT2	37.1	FEET
T0	37.1	FEET	TT4	32.3	FEET
SLTT	37.1	FEET	TT	37.1	FEET
CALI	56.2	FEET	SCBL	37.1	FEET
ILM	5.8	FEET	ILD	9.4	FEET
SP	2.5	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
DSIN	5	US	DDEL	200	US
DSEC	6.80000	MMHO	DWCO	512	
MSEC	8.40000	MMHO	SBR	1.00000	OHMM
BHS	OPEN		FPHI	SPHI	
DO	10.0000	F	BS	8.50000	IN
PP	NORM				

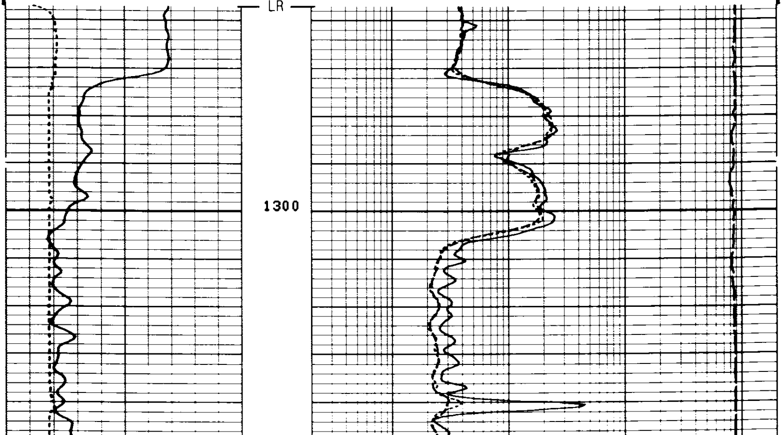
TAPE NOT MADE

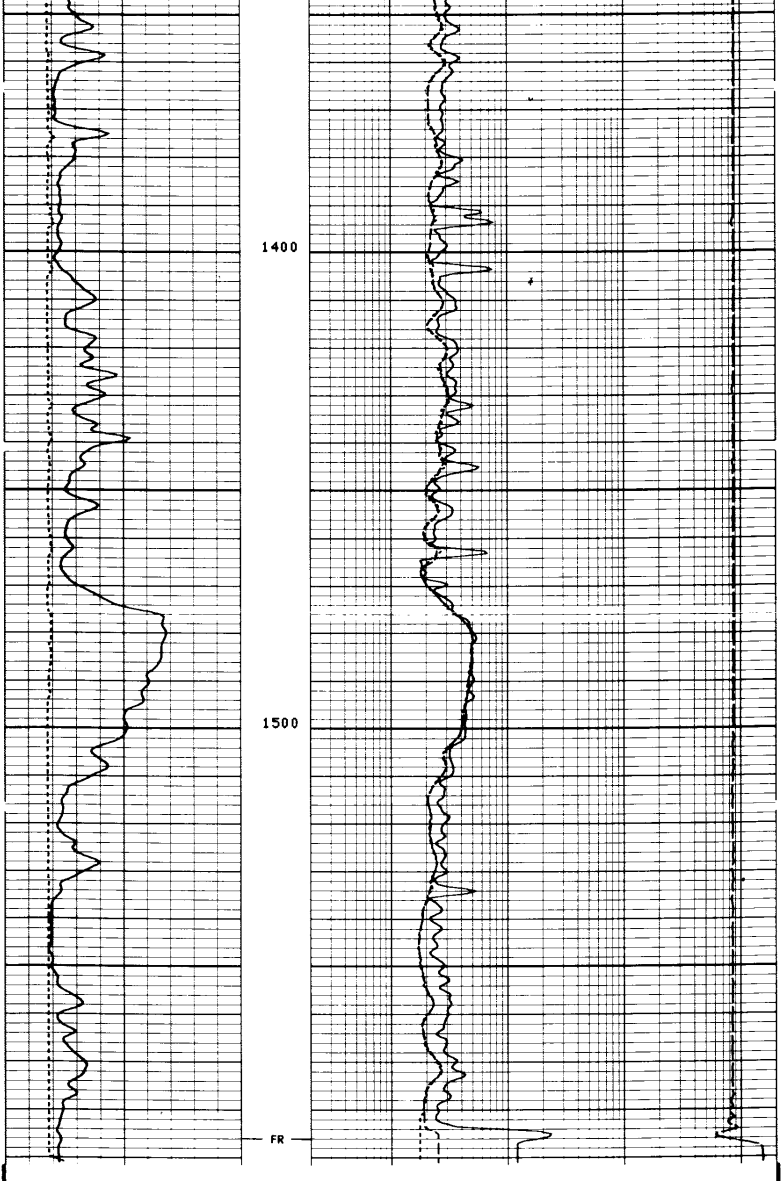
TENS(LB)
5000.0 0.0
ILD (OHMM)
.20000 2000.0
CALI(IN)
6.0000 16.000
ILM (OHMM)
.20000 2000.0
SP (MV)
-100.0 0.0
SFLU(OHMM)
.20000 2000.0

REPEAT SECTION

CP 28.4

FILE 2 20-AUG-86 04:18
DATA ACQUIRED 20-AUG-86 03:53





CP 28.4 FILE 2 20-AUG-86 04:17
DATA ACQUIRED 20-AUG-86 03:48

REPEAT SECTION

TENS(LB)
5000.0 0.0
ILD (OHMM)
.20000 2000.0
CALI(IN)
6.0000 16.000
ILM (OHMM)
.20000 2000.0
SP (MV)
-100.0 0.0
SFLU(OHMM)
.20000 2000.0

SENSOR MEASURE POINT TO TOOL ZERO

SRAT	34.6	FEET	AMPL	37.1	FEET
TT1	36.1	FEET	CBL	37.1	FEET
TT3	33.3	FEET	TT2	37.1	FEET
TO	37.1	FEET	TT4	32.3	FEET
SLTT	37.1	FEET	TT	37.1	FEET
CALI	56.2	FEET	SCBL	37.1	FEET
ILM	5.8	FEET	ILD	9.4	FEET
SP	2.5	FEET	SFL	6.4	FEET
TENS	2.5	FEET	SPAR	2.5	FEET
NOIS	2.5	FEET			

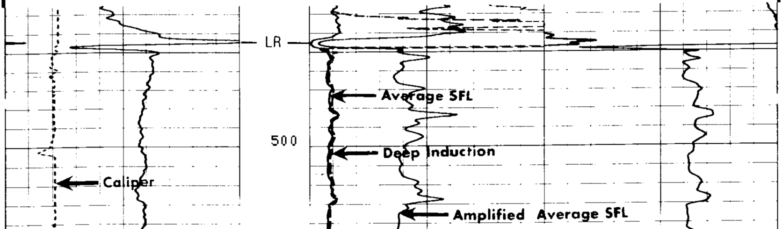
PARAMETERS

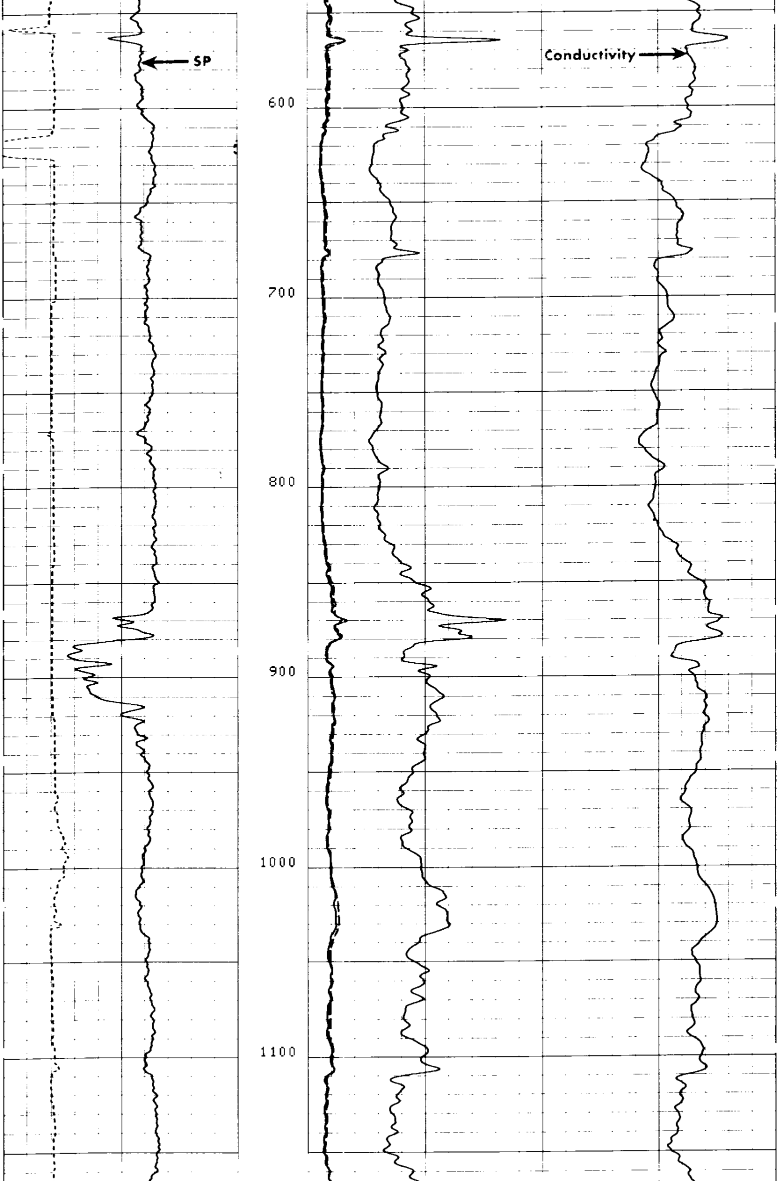
NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	100.000		SPFS	R-H	
DTF	189.000	US/F	DTM	56.0000	US/F
DSIN	5	US	DDEL	200	US
DSEC	6.80000	MMHO	DWCO	512	
MSEC	8.40000	MMHO	SBR	1.00000	OHMM
BHS	OPEN		FPHI	SPHI	
DO	10.0000	F	BS	8.50000	IN
PP	NORM				

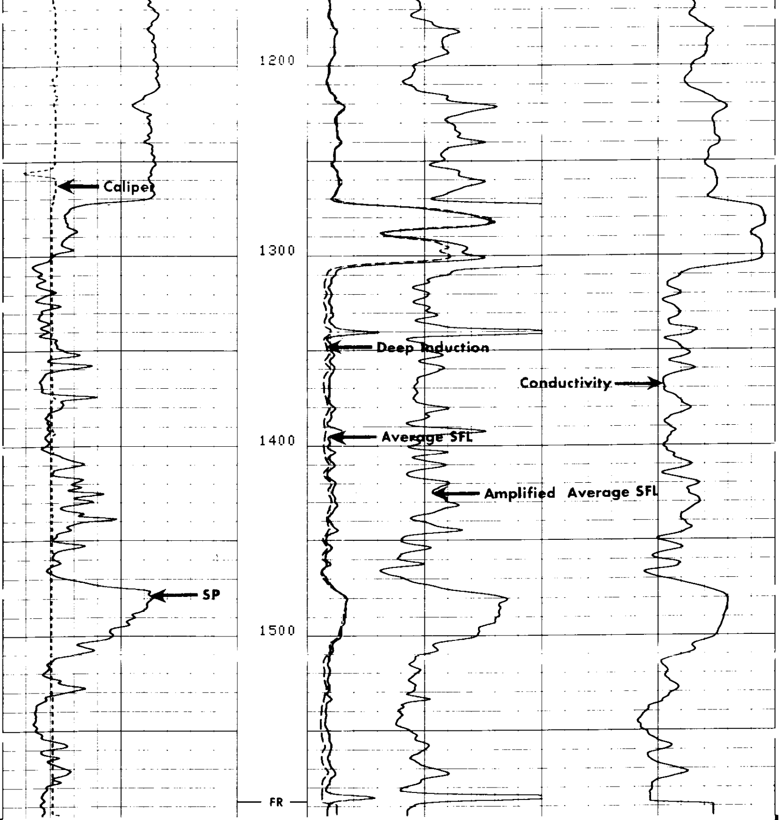
TAPE NOT MADE

ILD (OHMM)
0.0 30.000
CALI(IN)
6.0000 16.000
SFLA(OHMM)
0.0 6.0000
SP (MV)
-100.0 0.0
SFLA(OHMM)
0.0 30.000
CILD(MMHO)
1000.0 0.0

CP 28.4 FILE 3 20-AUG-86 04:21
DATA ACQUIRED 20-AUG-86 04:10







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CP 28.4          FILE     3          20-AUG-86 04:19
                 DATA ACQUIRED       20-AUG-86 03:55
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	ILD (OHMM) 0.(30.000	
CALI(IN) 6.0000 16.000	SFLA(OHMM) 0.(6.0000	
SP (MV) -100.0 0.0	SFLA(OHMM) 0.(30.000	CILD(MMHO) 1000.0 0.0

SENSOR MEASURE POINT TO TOOL ZERO

```
        SRAT 34.6   FEET                          AMPL 37.1   FEET
        TT1  36.1   FEET                          CBL  37.1   FEET
        TT3  33.3   FEET                          TT2  37.1   FEET
        T0   37.1   FEET                          TT4  32.3   FEET
        SLTT 37.1   FEET                          TT   37.1   FEET
        CALI 56.2   FEET                          SCBL 37.1   FEET
        ILM   5.8   FEET                          ILD   9.4   FEET
        SP    2.5   FEET                          SFL   6.4   FEET
        TENS  2.5   FEET                          SPAR  2.5   FEET
        NOIS  2.5   FEET
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                                  PARAMETERS

      NAME   VALUE        UNIT                  NAME   VALUE        UNIT

      CDTS 100.000                              SPFS R-H
      DTF  189.000        US/F                  DTM  56.0000        US/F
      DSIN 5              US                    DDEL 200            US
      DSEC 6.80000        MMHO                  DWCO 512
      MSEC 8.40000        MMHO                  SBR  1.00000        OHMM
      BHS  OPEN                                 FPHI SPHI
      DO   10.0000        F                     BS   8.50000        IN
      PP   NORM

                                TAPE NOT MADE
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                  BEFORE SURVEY CALIBRATION SUMMARY


    PERFORMED:     20-AUG-86 04:22
    PROGRAM FILE: ISN     (VERSION    28.4    85/11/11)


  DITD                  ELECTRONICS CALIBRATION SUMMARY

                  MEASURED                       CALIBRATED
                ZERO     PLUS                  ZERO       PLUS         UNITS
     ILD        -.28     548.6                 0.0        494.6         MMHO
     ILM       -2.09     532.3                 0.0        498.9         MMHO
     SFL       -3.61     515.5                 0.0        500.0         MMHO

  ILD SONDE ERROR CORRECTION :          6.8 MMHO
  ILM SONDE ERROR CORRECTION :          8.4 MMHO
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                  AFTER SURVEY TOOL CHECK SUMMARY


    PERFORMED:     20-AUG-86 04:13
    PROGRAM FILE: ISN     (VERSION    28.4    85/11/11)


  DITD                          TOOL   CHECK

                          ZERO                       PLUS
                 BEFORE            AFTER        BEFORE      AFTER       UNITS
     ILD          0.0                .4         494.6       493.6       MMHO
     ILM          0.0                .5         498.9       498.1       MMHO
     SFL          0.0                .7         500.0       497.1       MMHO

  ILD SONDE ERROR CORRECTION :          6.8 MMHO
  ILM SONDE ERROR CORRECTION :          8.4 MMHO

     CP 28.4              FILE     5        20-AUG-86 04:13
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                 SHOP SUMMARY

   PERFORMED:      21-JUL-86 09:56
   PROGRAM FILE: SHOP   (VERSION    28.2A   85/07/10)

 DITD                 ELECTRONICS CALIBRATION SUMMARY

                   TEST LOOP CALIBRATION               TOOL CHECK
                MEASURED          CALIBRATED           CALIBRATED
              ZERO     PLUS     ZERO       PLUS      ZERO       PLUS     UNITS
      ILD     -6.5     546.4     0.0      500.0       0.0      494.7     MMHO
      ILM     -9.2     526.7     0.0      500.0       0.0      498.0     MMHO
 ILD   SONDE ERROR CORRECTION :            6.8 MMHO
 ILM   SONDE ERROR CORRECTION :            8.4 MMHO

                         (IS:1342, IC:1386)
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COMPANY ARCO OIL AND GAS
WELL LONGVIEW FIBRE 41-35
FIELD MIST
COUNTY COLUMBIA STATE OREGON

SCHL. FR 1588
SCHL. TD 1589
DRLR. TD 1585

Elev: KB 754
DF
GL 742