Schlumberger

5" FDC/CNL/GR

CSU

COMPANY: REICHHOLD ENERGY CORPORATION

WELL: LONGVIEW FIBRE #23-36

FIELD: MIST
COUNTY: COLUMBIA
STATE: OREGON

LOCATION: 2582.637 NORTH & 470.34 WE
SOUTH 1/4 CORNER
SEC: 36 TWP: 6N RGE: 5W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 588.0 F
LOG MEASURED FROM: KB
12.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 600.0 F
DF:
GL: 588.0 F

DATE: 10 DEC 84
RUN NO: 1

DEPTH-DRILLER: 1879.0 F
DEPTH-LOGGER: 1876.0 F
BTM. LOG INTERVAL: 1870.0 F
TOP LOG INTERVAL: 353.0 F

CASING-DRILLER: 341 F
CASING-LOGGER: 353 F
CASING: 8 5/8"

BIT SIZE: 7 7/8"
DEPTH: 1879 F

RECEIVED - PTLD
FEB 7 1985
DEPT. OF GEOLOGY
& MINERAL INDUS

OTHER SERVICES-
DIL
SONIC
HDT

PROGRAM
TAPE NO:
26.2
SERVICE
ORDER NO:
432182

TYPE FLUID IN HOLE: GEL/LIGNO.
DENSITY: 11.3 LB/G
VISCOSITY: 53.0 S
PH: 8.5
FLUID LOSS: 5.4 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 2.010 OHMM AT 60.0 DEGF
RMF: 2.300 OHMM AT 45.0 DEGF
RMC: 3.130 OHMM AT 45.0 DEGF
SOURCE RMF/RMC: MEAS/MEAS
RM AT BHT: 1.103 OHMM AT 115. DEGF
RMF AT BHT: .980 OHMM AT 115. DEGF
RMC AT BHT: 1.334 OHMM AT 115. DEGF

TIME CIRC. STOPPED: 15:00 12-10
TIME LOGGER ON BTM.: 23:52 12-10

MAX. REC. TEMP: 115.0 DEGF

LOGGING UNIT NO: 8178
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: SUTER
WITNESSED BY: ALGER

REMARKS:

EQUIPMENT NUMBERS-

CNC 1132
GSR 8016
CNB 1192
SFT 477
PGS 599
NLM 699
PDH 1176
SGC 1528

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.

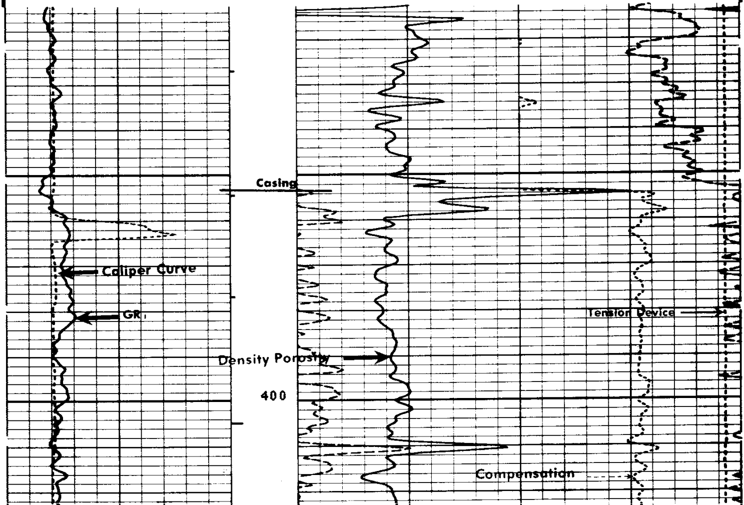
FILE 5 10-DEC-84 00:11
DATA ACQUIRED 11-DEC-84 01:00

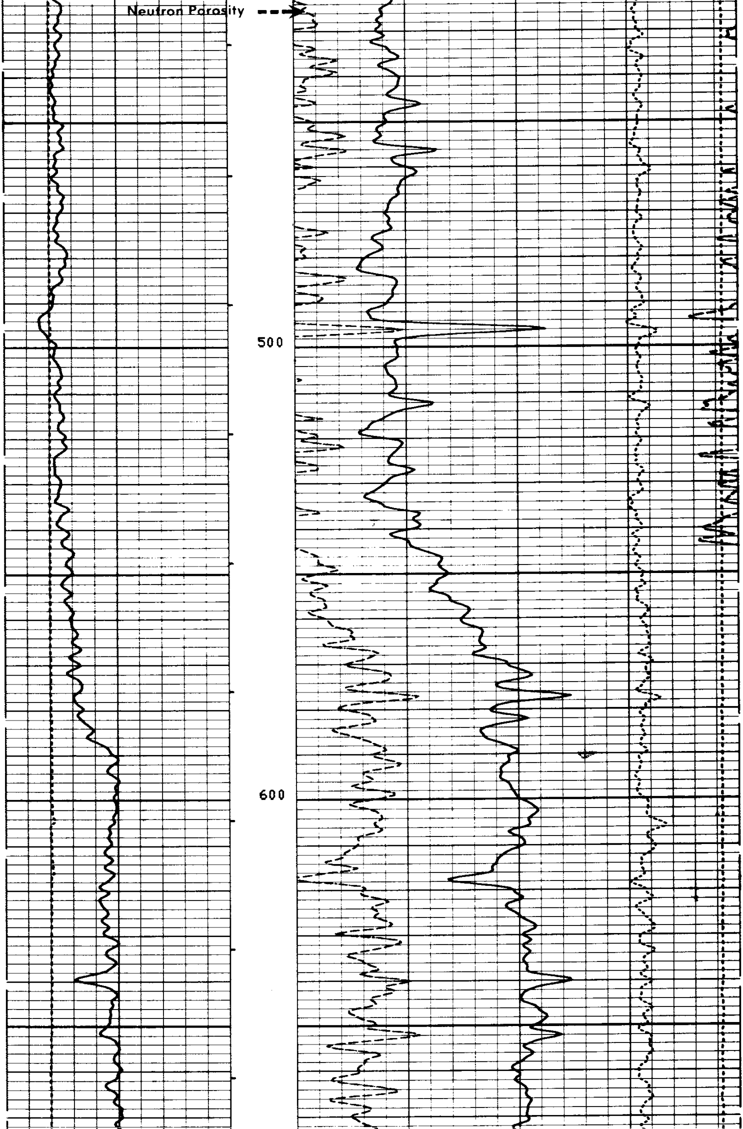
TENS(LB)
10000. 0.0
DRHO(G/C3)
-.2500 .25000

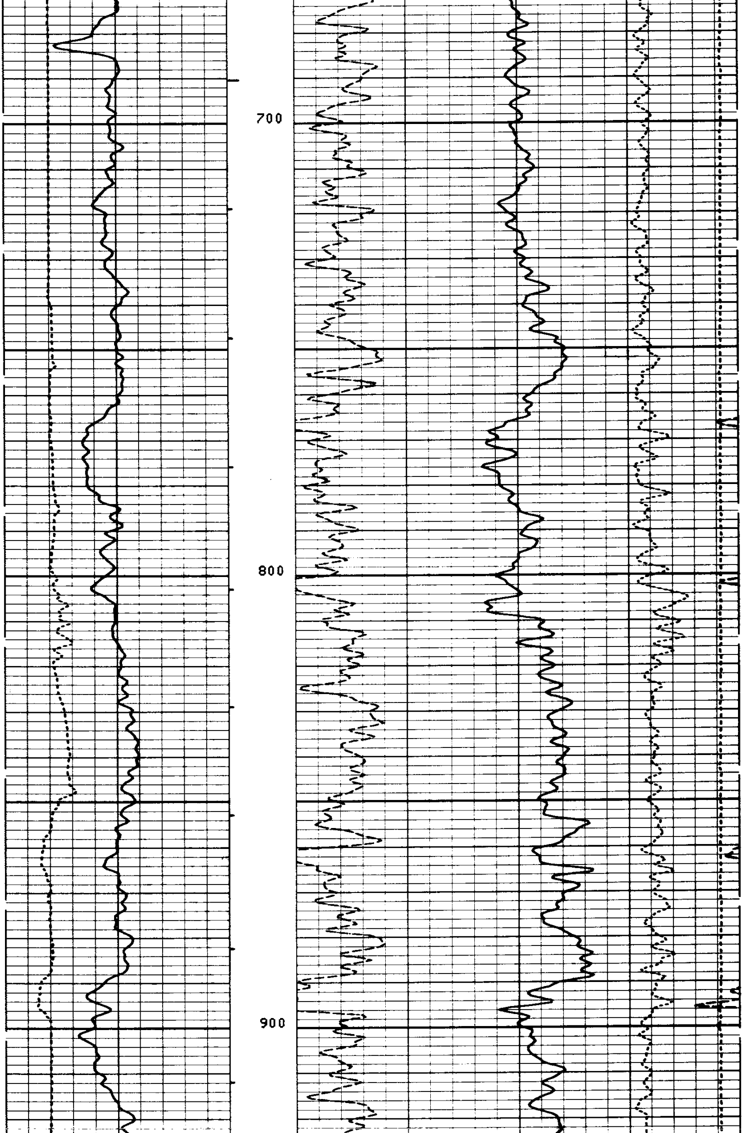
CALI(IN)
6.0000 16.000
GR (GAPI)
0.0 150.00

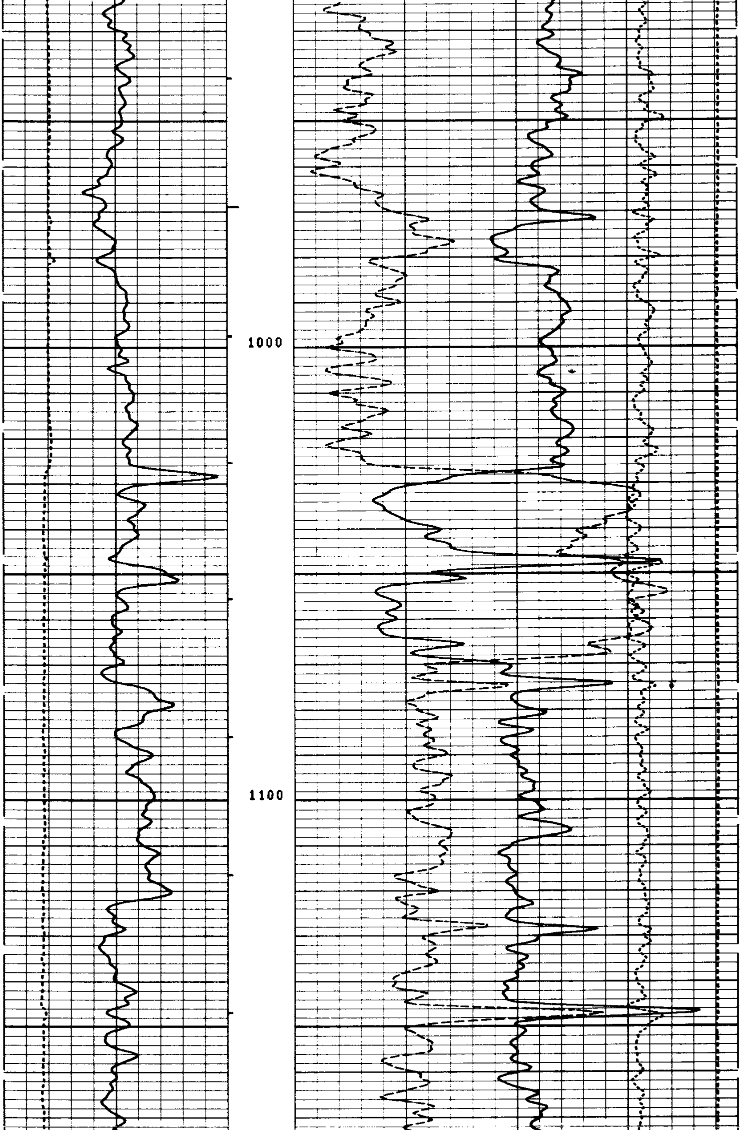
DPHI
.60000 0.0
NPHI
.60000 0.0

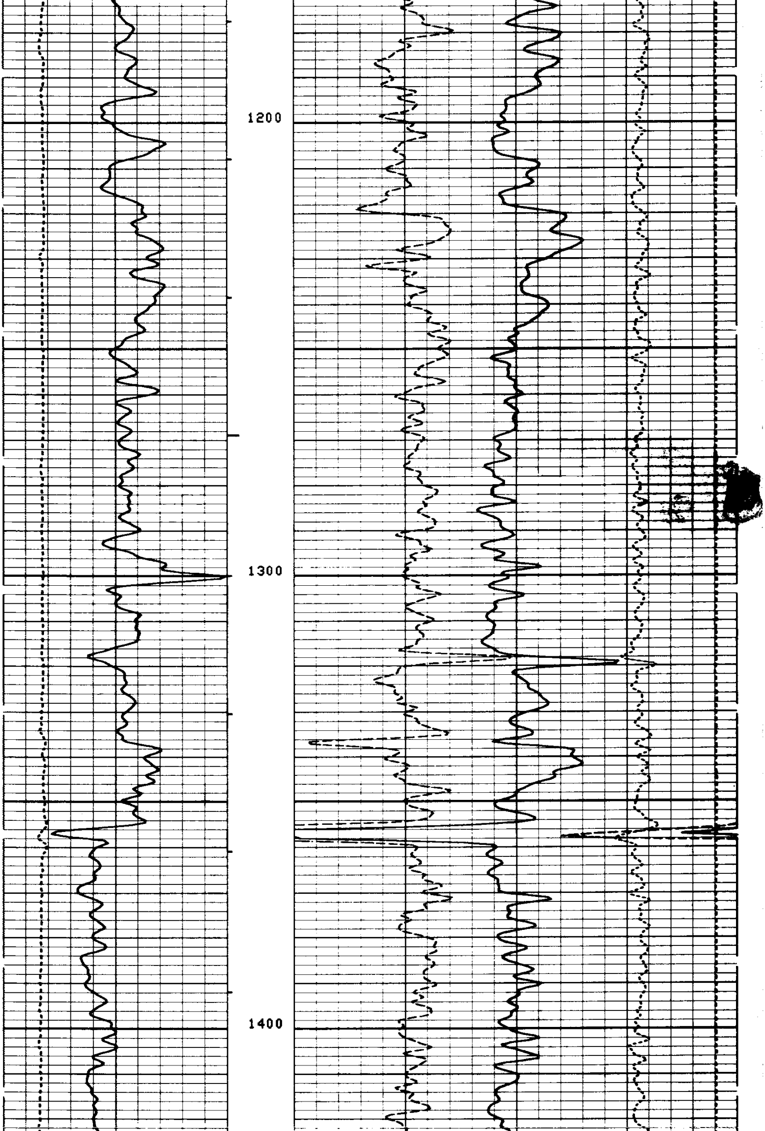
FILE 5 10-DEC-84 00:05
DATA ACQUIRED 11-DEC-84 01:00

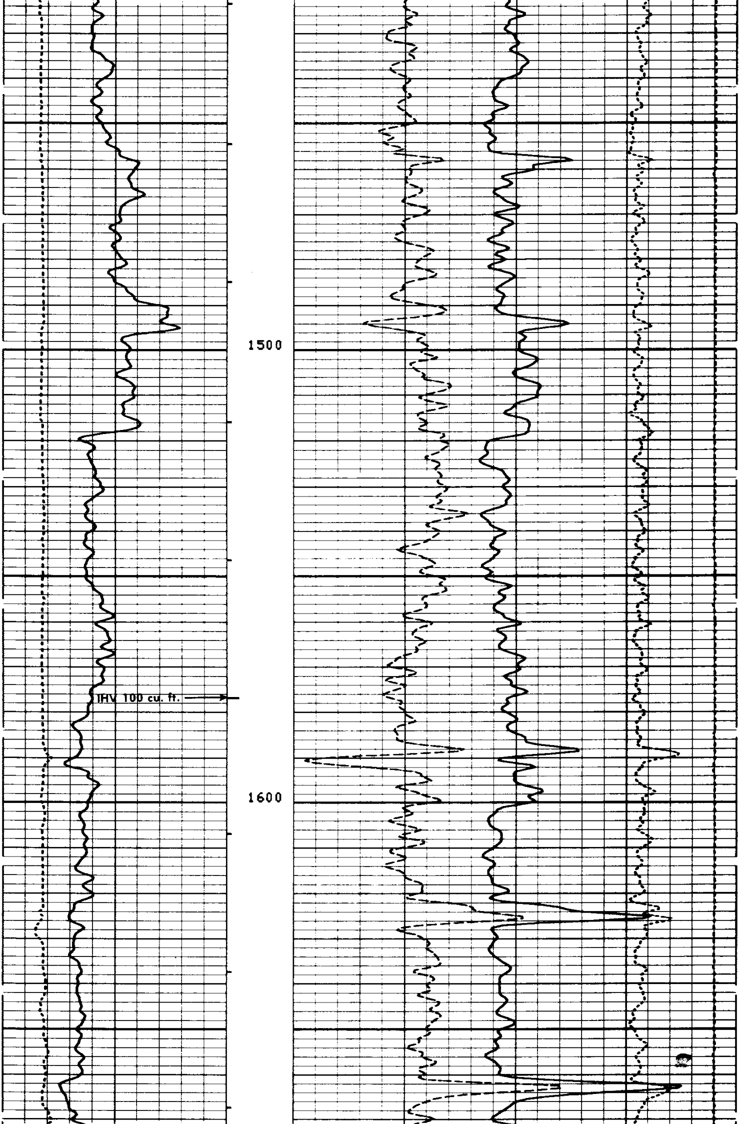


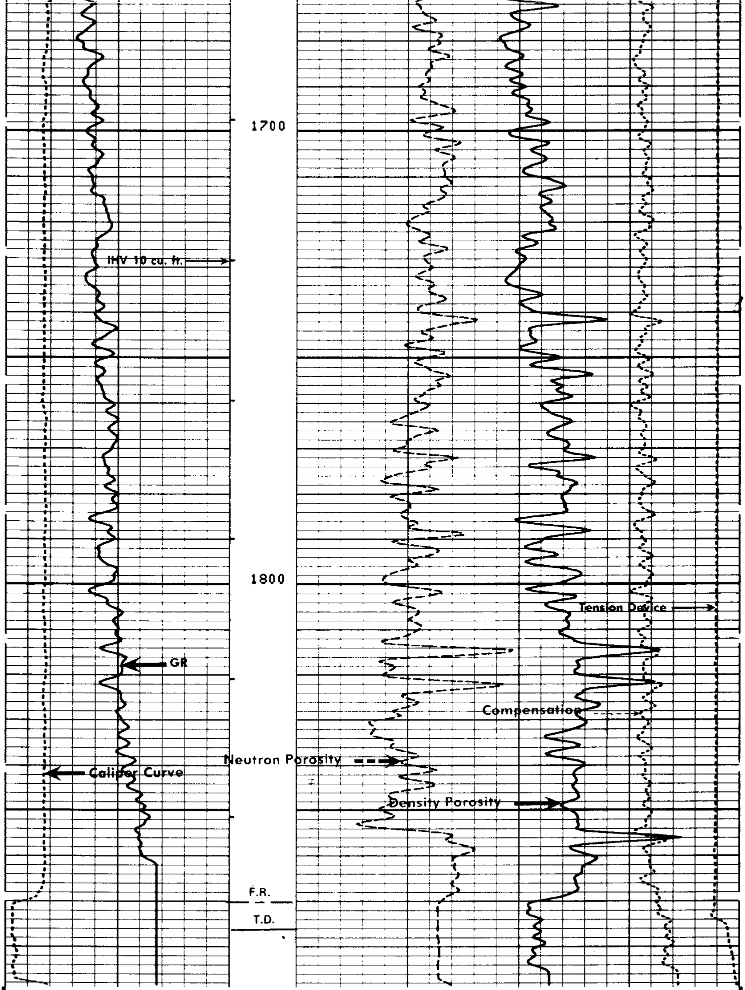












```
FILE     5        10-DEC-84 00:02
DATA ACQUIRED  11-DEC-84 00:05
```

TENS(LB)
10000. 0.0
DRHO(G/C3)
-.2500 .25000

CALI(IN)
6.0000 16.000
GR (GAPI)
0.0 150.00

DPHI
.60000 0.0
NPHI
.60000 0.0

SENSOR MEASURE POINT TO TOOL ZERO

NCNL	18.0	FEET	GR	26.5	FEET
FFDC	2.7	FEET	FCNL	18.0	FEET
CALI	2.7	FEET	NFDC	2.7	FEET
NRAT	18.0	FEET	TENS	-.2	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
HC	CALI		PSNR	2.28000	
FD	1.00000	G/C3	MATR	SAND	
FDCC	ALLO		MDEN	2.65000	G/C3
FEXP	2.00000		BHF	WATE	
BHS	OPEN		FNUM	1.00000	
DO	0.0	F	BS	7.87500	IN
PP	NORM				

TAPE NOT MADE

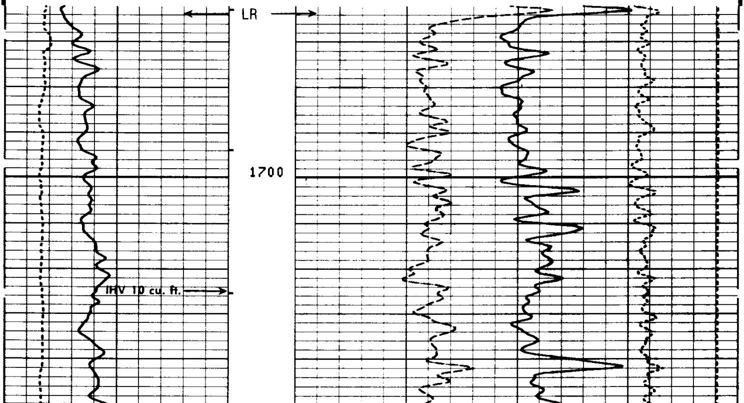
TENS(LB)
10000. 0.0
DRHO(G/C3)
-.2500 .25000

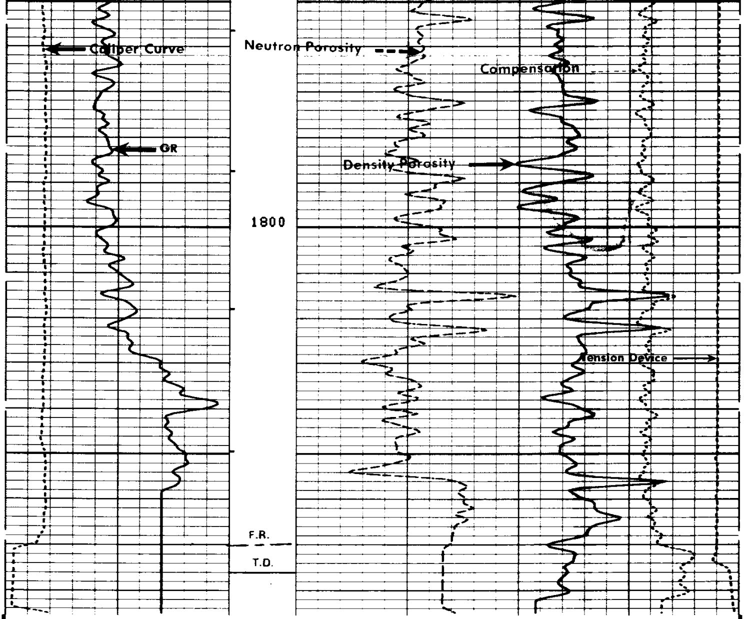
CALI(IN)
6.0000 16.000
GR (GAPI)
0.0 150.00

DPHI
.60000 0.0
NPHI
.60000 0.0

REPEAT SECTION

FILE 4 10-DEC-84 00:02
DATA ACQUIRED 11-DEC-84 00:02





REPEAT SECTION

FILE 4 10-DEC-84 00:01
DATA ACQUIRED 10-DEC-84 23:54

TENS(LB)
10000. 0.0
DRHO(G/C3)
-.2500 .25000

CALI(IN)
6.0000 16.000
GR (GAPI)
0.0 150.00

DPHI
.60000 0.0
NPHI
.60000 0.0

SENSOR MEASURE POINT TO TOOL ZERO

NCNL	18.0	FEET	GR	26.5	FEET
FFDC	2.7	FEET	FCNL	18.0	FEET
CALI	2.7	FEET	NFDC	2.7	FEET
NRAT	18.0	FEET	TENS	-.2	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
HC	CALI		PSNR	2.28000	
FD	1.00000	G/C3	MATR	SAND	
FDCC	ALLO		MDEN	2.65000	G/C3
FEXP	2.00000		BHF	WATE	
BHS	OPEN		FNUM	1.00000	
DO	0.0	F	BS	7.87500	IN
PP	NORM				

TAPE NOT MADE

```
                 BEFORE SURVEY CALIBRATION SUMMARY


  PERFORMED:      84/12/10
  PROGRAM FILE: ISN    (VERSION    26.2    00/00/00)


SGTE                 DETECTOR CALIBRATION SUMMARY

             MEASURED
           BKGD    JIG         CALIBRATED         UNITS
    GR      43     204            165             GAPI


CNTA                 DETECTOR CALIBRATION SUMMARY

               TANK                          JIG
          INPUT  CALIBRATED          MEASURED   CALIBRATED
  NRAT    2.28000  2.158               2.339       2.214

PGTK                 DETECTOR CALIBRATION SUMMARY

               BLOCK                         JIG
          INPUT  CALIBRATED          MEASURED   CALIBRATED    UNITS
  FFDC     461      337                 531         388        CPS
  NFDC     828      528                 999         637        CPS

PGTK                 CALIPER CALIBRATION SUMMARY

             MEASURED                        CALIBRATED
           SMALL    LARGE               SMALL      LARGE      UNITS
  CALI     12.4     16.4                 8.0       12.0        IN

                        FILE    2      10-DEC-84 23:30
```

```
                 AFTER SURVEY TOOL CHECK SUMMARY


  PERFORMED:      84/12/11
  PROGRAM FILE: ISN    (VERSION    26.2    00/00/00)


CNTA                       TOOL  CHECK

                        JIG
              BEFORE        AFTER
  NRAT        2.214         2.201

  POROSITY CHANGE  (LIME):  -.001


PGTK                       TOOL  CHECK
```

```
                          JIG
                  BEFORE        AFTER      UNITS
     FFDC          388           393        CPS
     NFDC          637           635        CPS

     RHOB  CHANGE (WATER):  -.012 G/C3
```

```
                  SHOP SUMMARY

   PERFORMED:      84/12/01
   PROGRAM FILE: SHOP   (VERSION    26.2    83/11/17)

 PGTK                DETECTOR CALIBRATION SUMMARY

                 BLOCK                        JIG
          MEASURED  CALIBRATED    MEASURED  CALIBRATED     UNITS

   FFDC    461         337           520        385         CPS
   NFDC    820         520          1000        630         CPS

           (PGS:599 , PDH:1176, GSR:8016, SFT :477 )
```

```
                  SHOP SUMMARY

   PERFORMED:      84/12/03
   PROGRAM FILE: SHOP   (VERSION    26.2    83/11/17)

  CNTA               DETECTOR CALIBRATION SUMMARY

              TANK                          JIG
        MEASURED  CALIBRATED       MEASURED   CALIBRATED

   NRAT    2.280      2.158          2.335       2.210

                    (CNC:1132, CNB:1192)
```