Schlumberger

FDC-CNL-GR LOG 2" & 5"

CSU Field Log

COMPANY: FLORIDA EXPLORATION COMPANY

WELL: ~~HARRIS 1-4~~ Well 01-04

FIELD: WILDCAT
COUNTY: DOUGLAS
STATE: OREGON
NATION: USA
LOCATION: 445'W & 140'S FR NE COR

SEC: 4 TWP: 21S RGE: 6W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 776.0'
LOG MEASURED FROM: KB
22.0' ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 798.0'
DF:
GL: 776.0'

DATE: 24 JUL 82
RUN NO: 2

OTHER SERVICES-
BHC
HDT
FIL
CST
DIL

PROGRAM
TAPE NO:
20.2
SERVICE
ORDER NO:
303906

DEPTH-DRILLER:	5962.0'	
DEPTH-LOGGER:	5961.0'	
BTM. LOG INTERVAL:	5952.0'	
TOP LOG INTERVAL:	2994.0'	
CASING-DRILLER:	990'	3002'
CASING-LOGGER:	992'	2994'
CASING:	13.875	9.625
BIT SIZE:		8.5

TYPE FLUID IN HOLE:	LIGNOSULFONATE
DENSITY:	14.0 LB/G
VISCOSITY:	48.0 S
PH:	10.5
FLUID LOSS:	4.2 C3
SOURCE OF SAMPLE:	FLOWLINE
RM:	0.780 OHMM AT 98.0 DF
RMF:	1.200 OHMM AT 68.0 DF
RMC:	1.960 OHMM AT 71.0 DF
SOURCE RMF/RMC:	MEASURED/MEASURED
RM AT BHT:	0.634 OHM AT 122. DF

RMF AT BHT: 0.697 OHM AT 122. DF
RMC AT BHT: 1.185 OHM AT 122. DF

TIME CIRC. STOPPED: 1800
TIME LOGGER ON BTM.: 0900

MAX. REC. TEMP: 122.0 DF

LOGGING UNIT NO: 8076
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: MAYER
WITNESSED BY: HOHLT/NEWTON/PILATI

REMARKS:

EQUIPMENT NUMBERS-

PGS 679	PDH 1167	CNC 1208	SGC 581
NLM 456			

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

DRHO(G/C3)
-0.250 0.2500

CALI(IN)
6.000 16.00

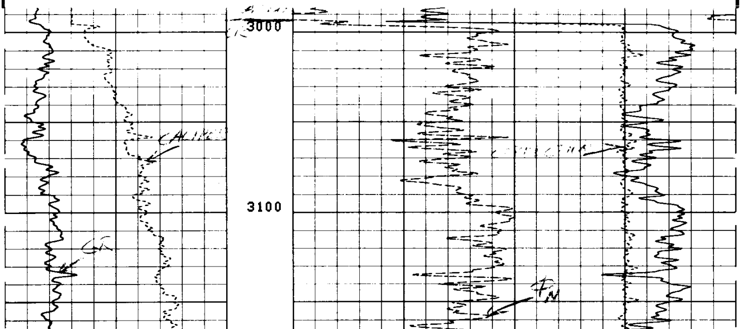
DPHI( )
0.6000 0.0

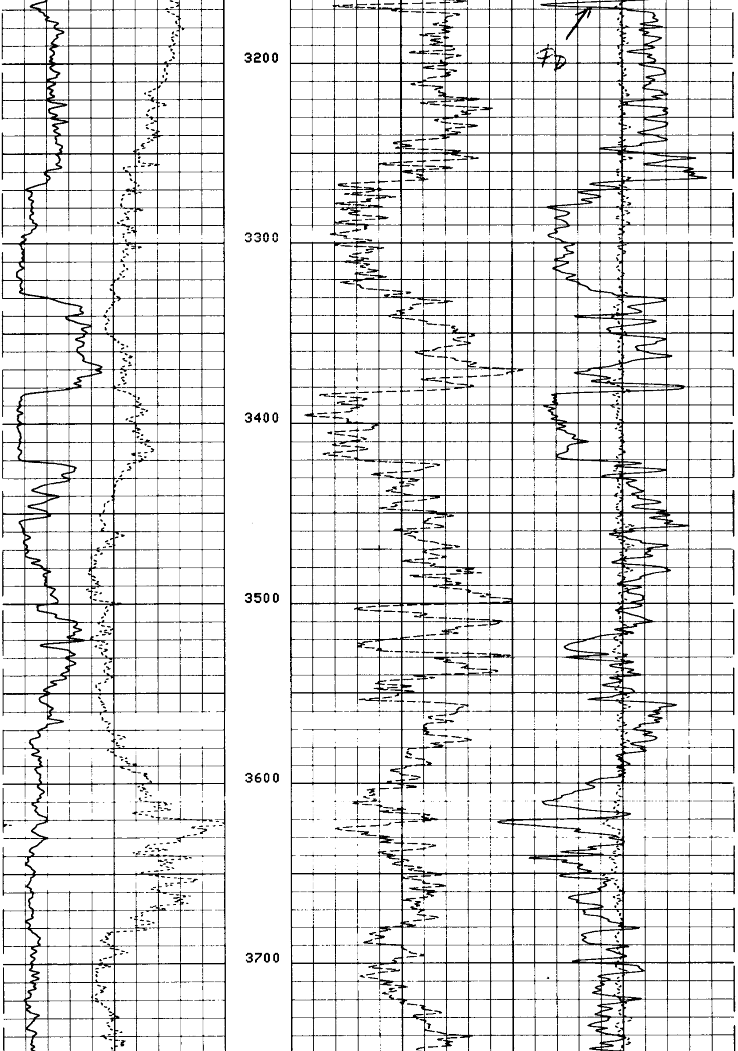
GR (GAPI)
0.0 150.0

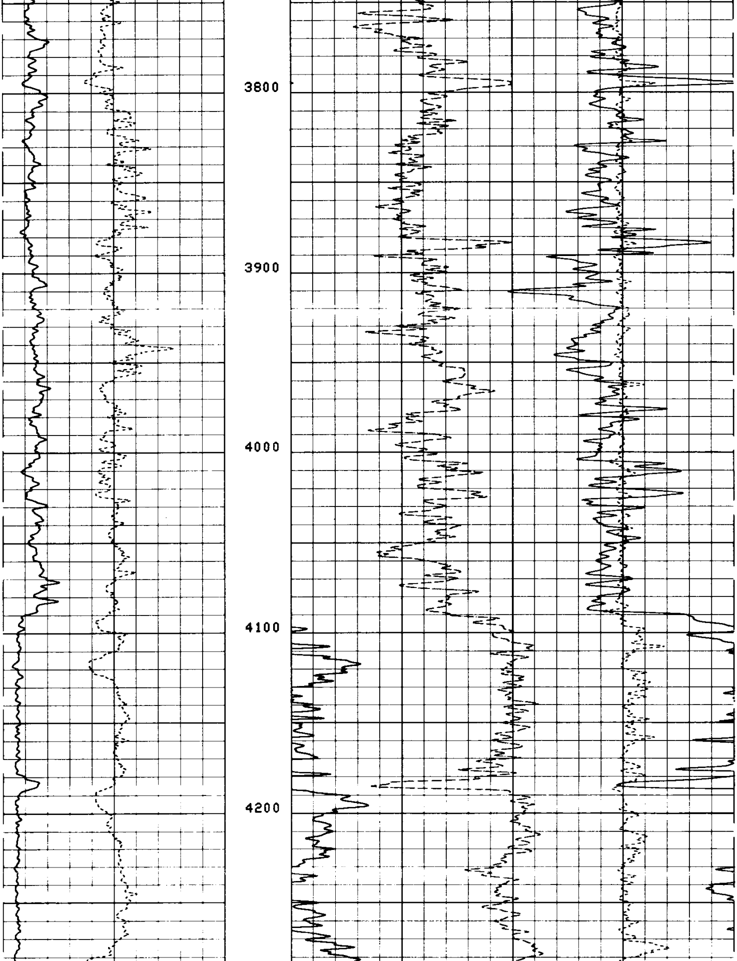
NPHI( )
0.6000 0.0

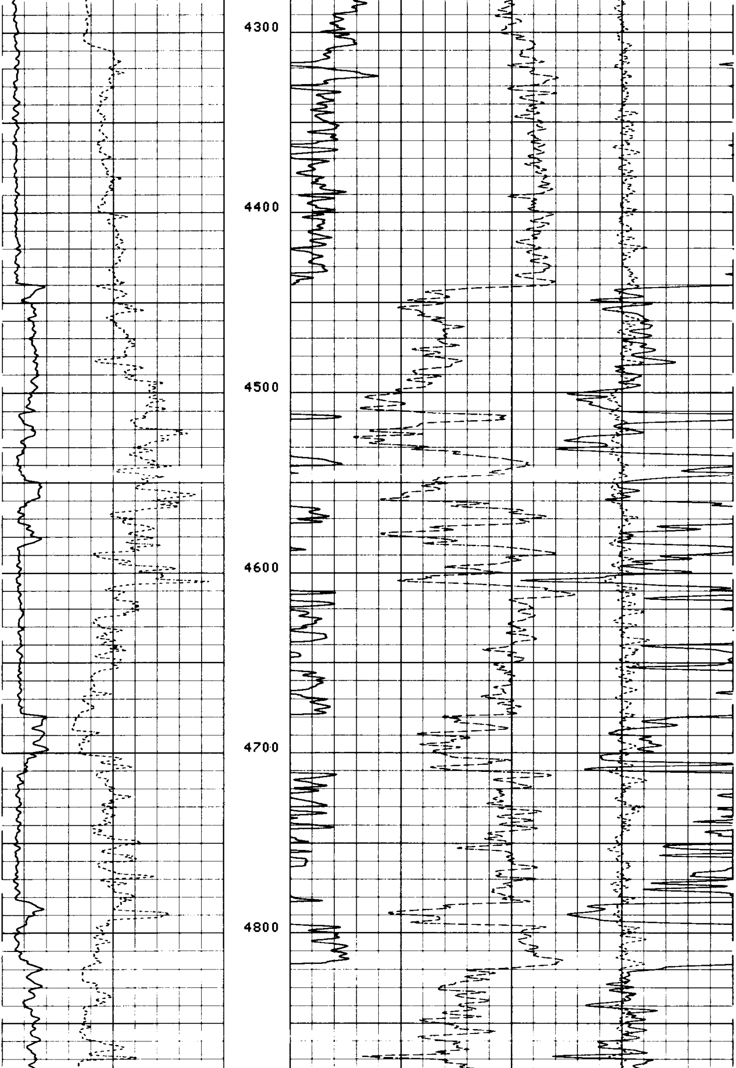
FILE

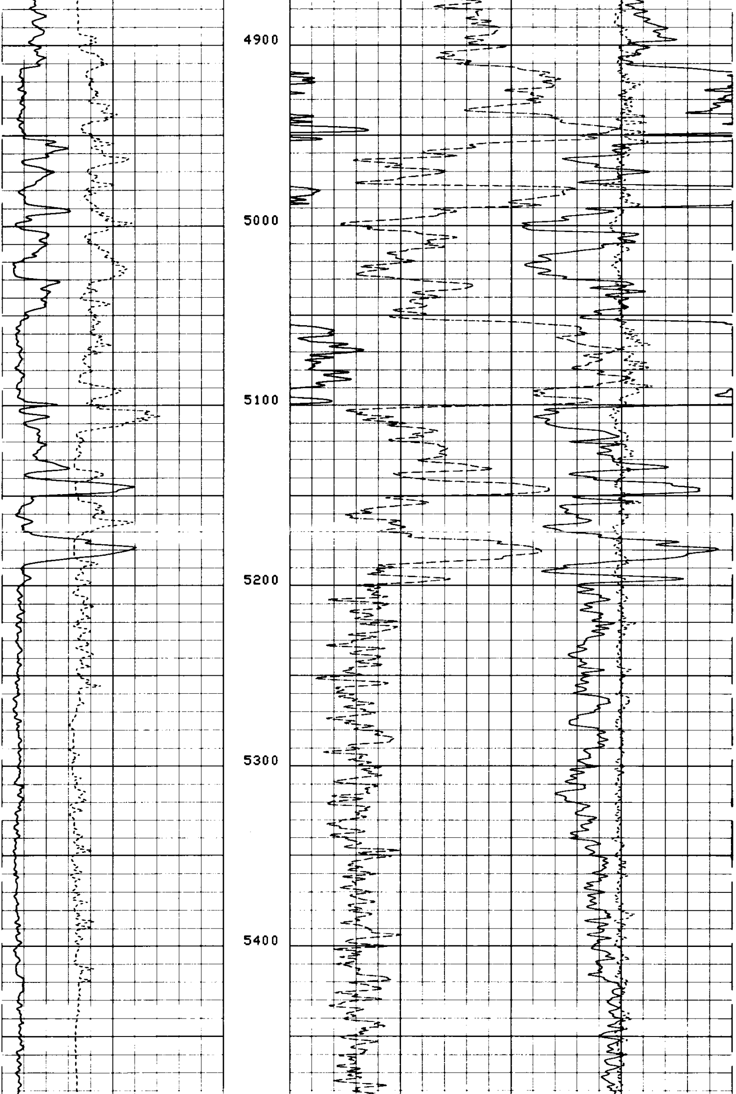
102

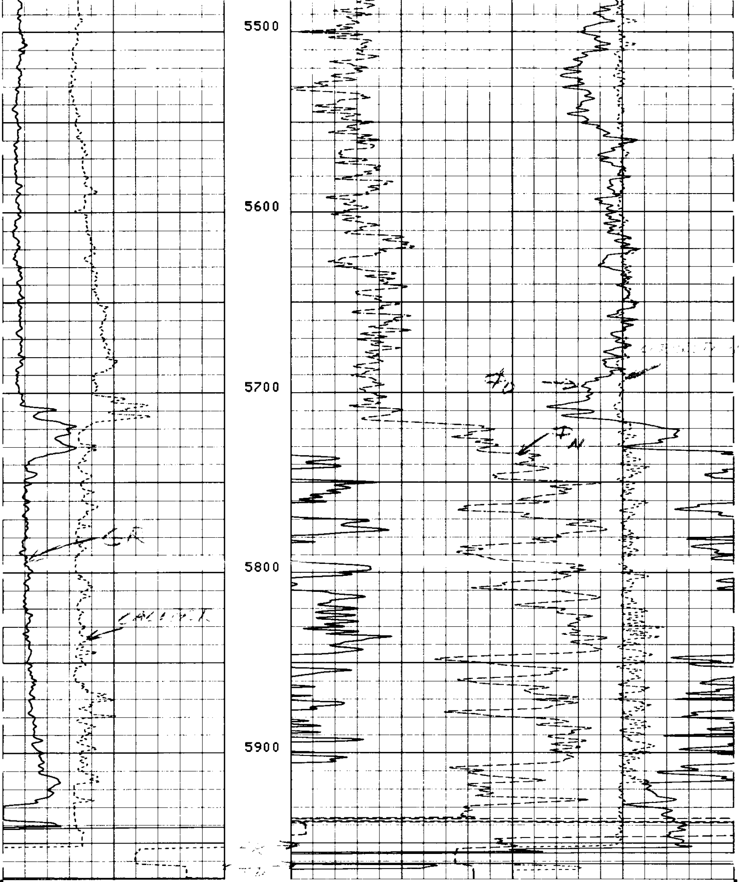












FILE

102

CALI(IN) 6.000 16.00

GR (GAPI) 0.0 150.0

DRHO(G/C3) -0.250 0.2500

DPHI( ) 0.6000 0.0

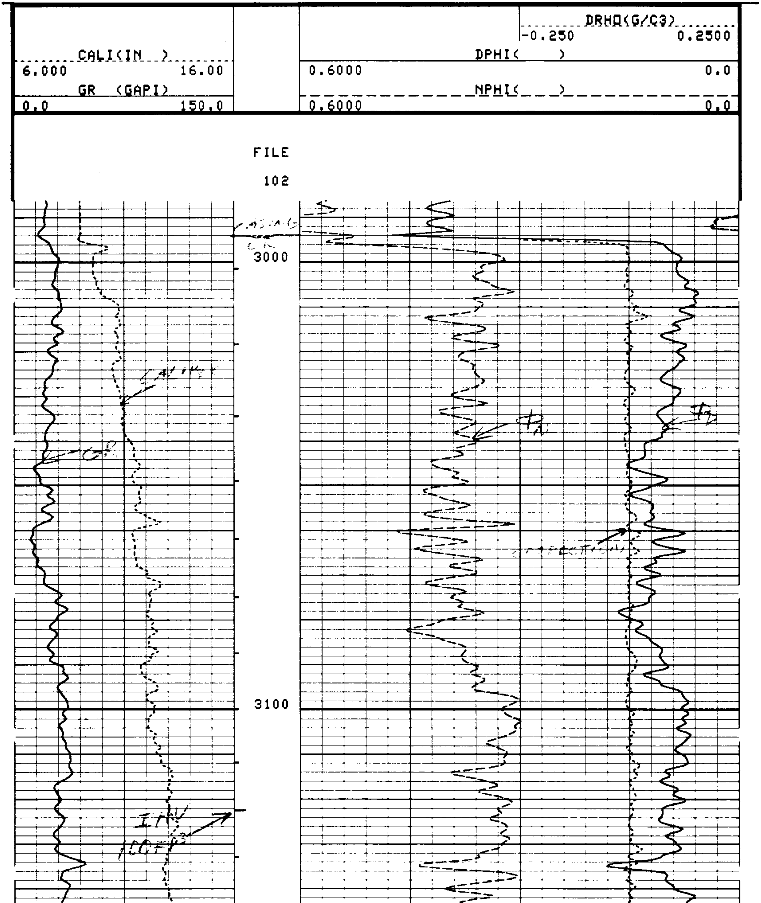
NPHI( ) 0.6000 0.0

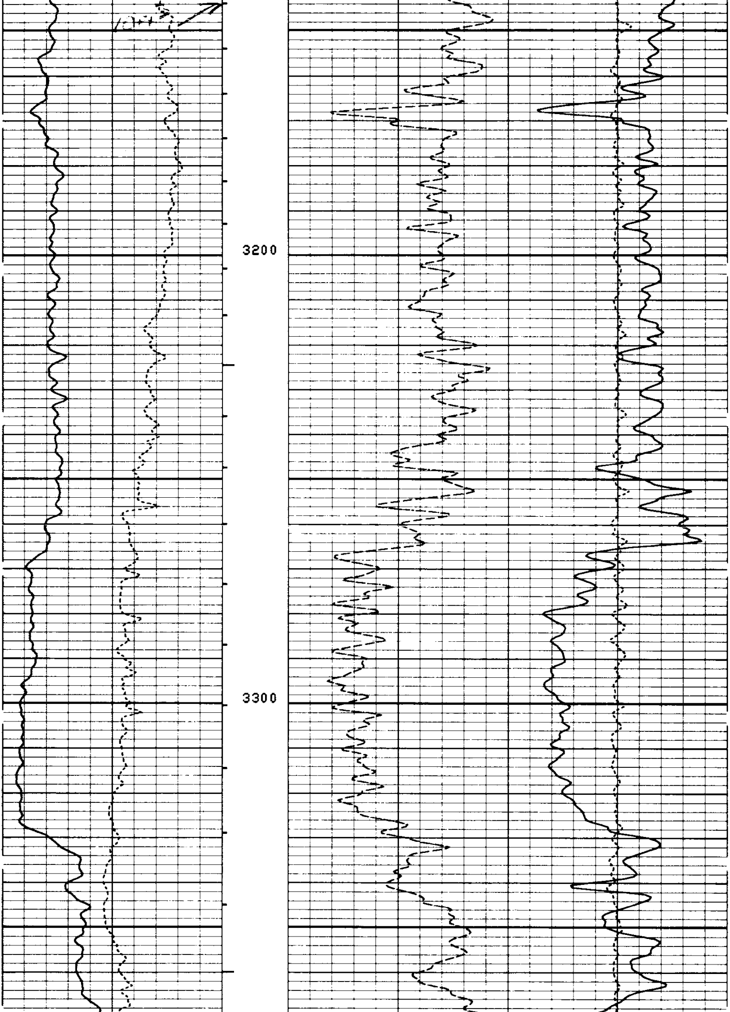
SENSOR MEASURE POINT TO TENSION REFERENCE POINT

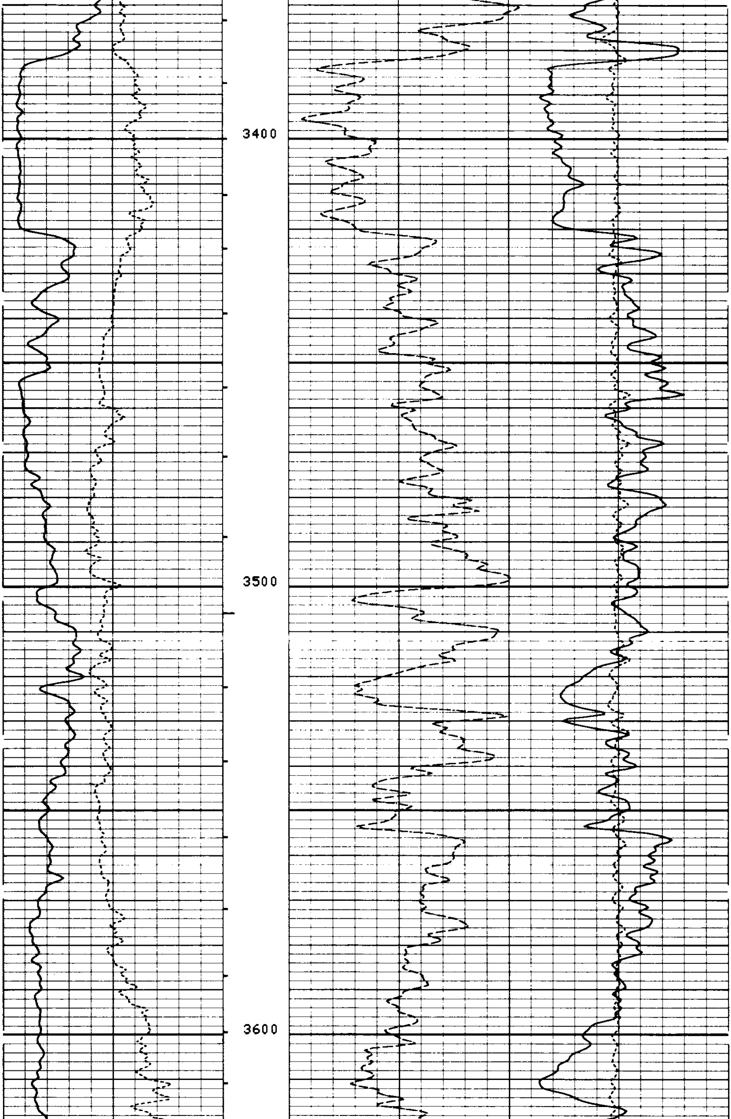
NCNL	18.3	FEET	GR	26.8	FEET
FFDC	3.0	FEET	FCNL	18.3	FEET
CALI	3.0	FEET	NFDC	3.0	FEET
NRAT	18.3	FEET	TENS	.0	FEET

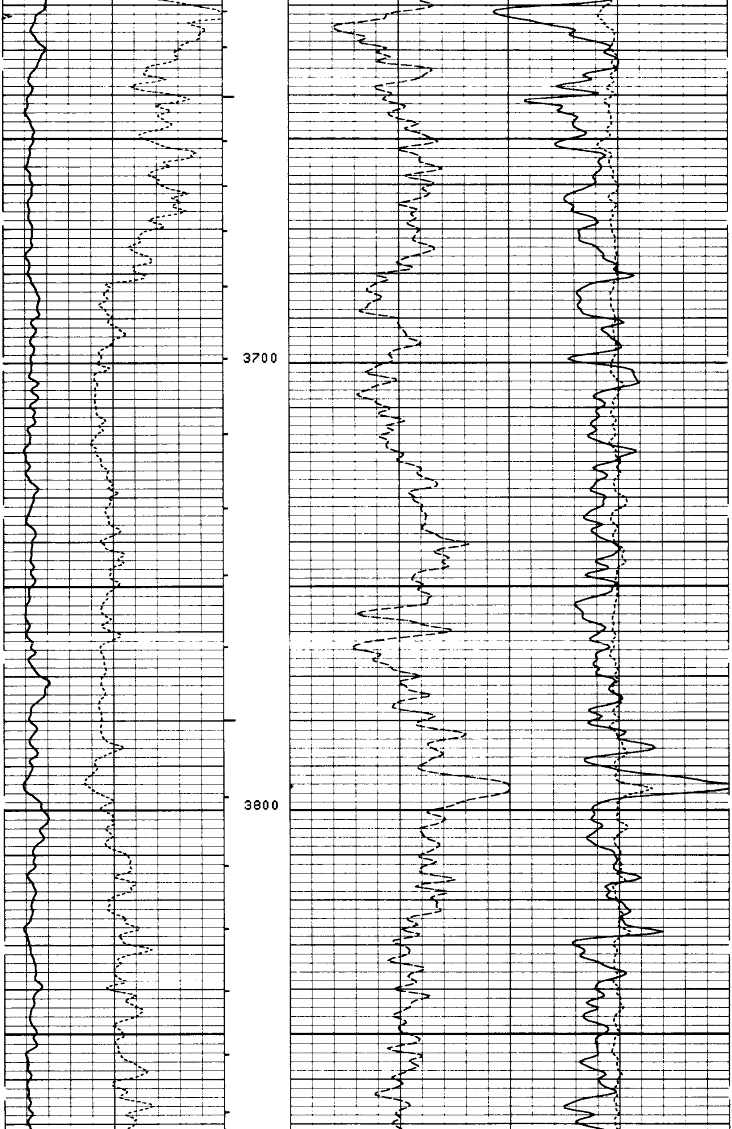
PARAMETERS

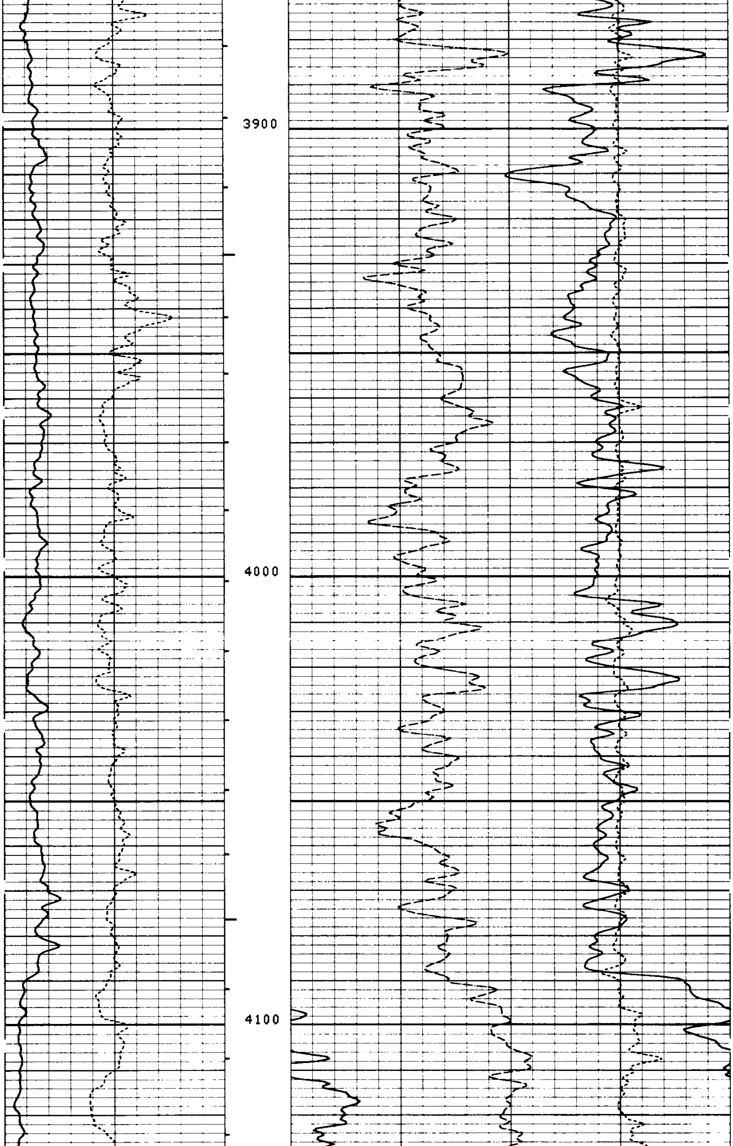
NAME	VALUE	UNIT	NAME	VALUE	UNIT
PSNR	2.330		BS	8.500	IN
MATR	SAND		HC	CALI	
MDEN	2.650	G/C3	FD	1.000	G/C3
BHF	WATE		FDCC	ALLD	
DD	0.0		BHS	OPEN	

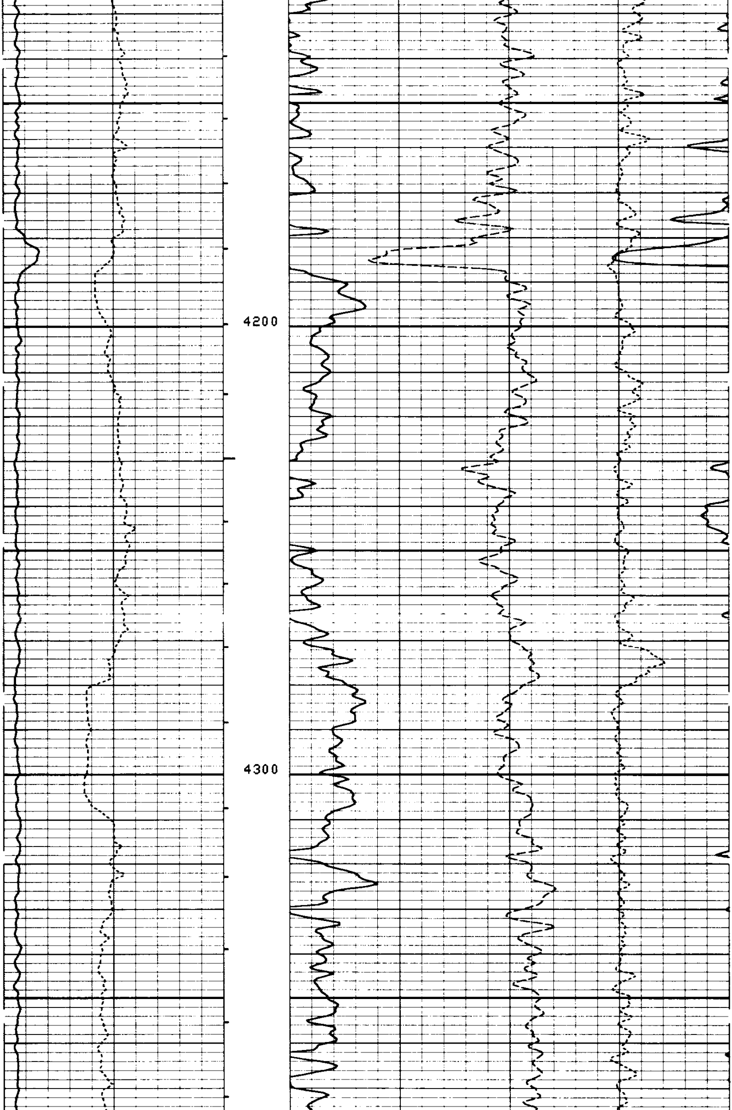


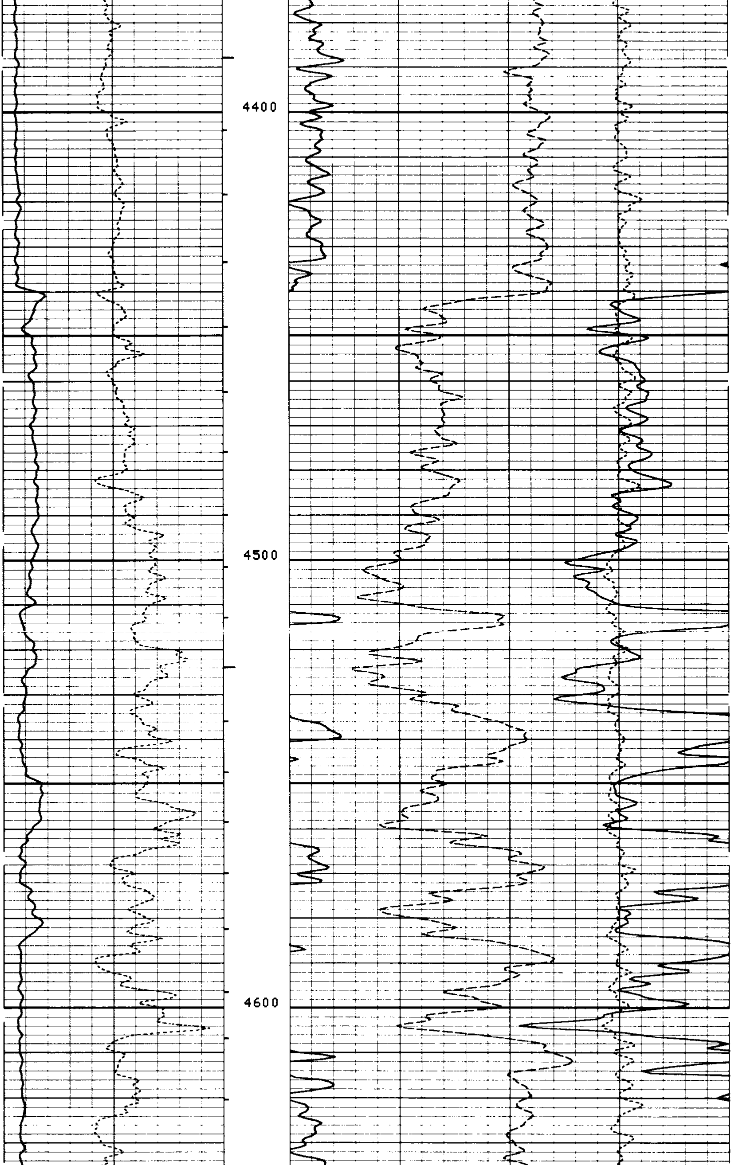


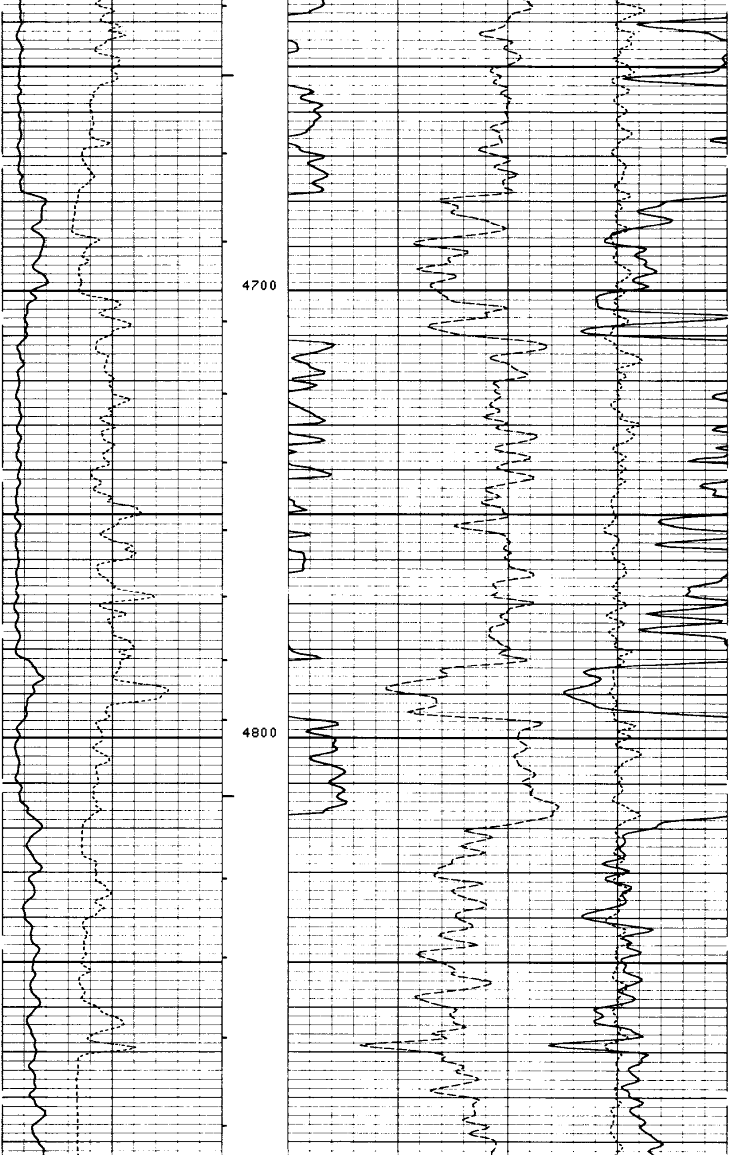


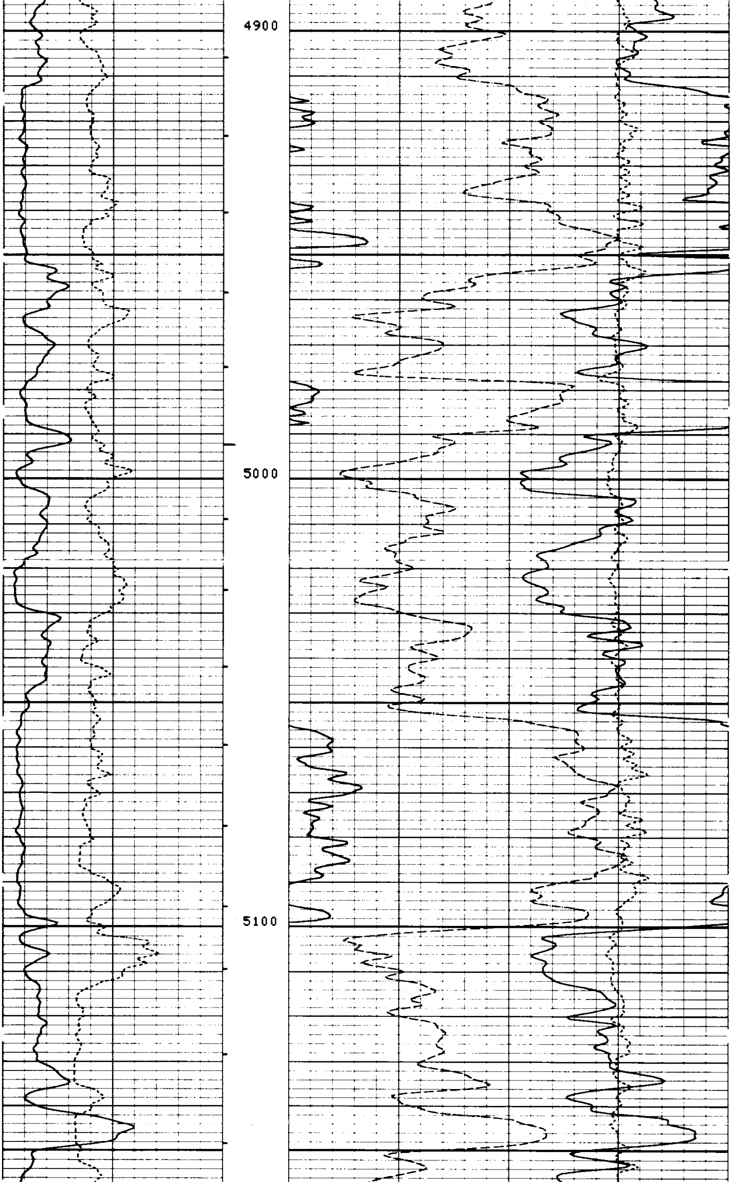


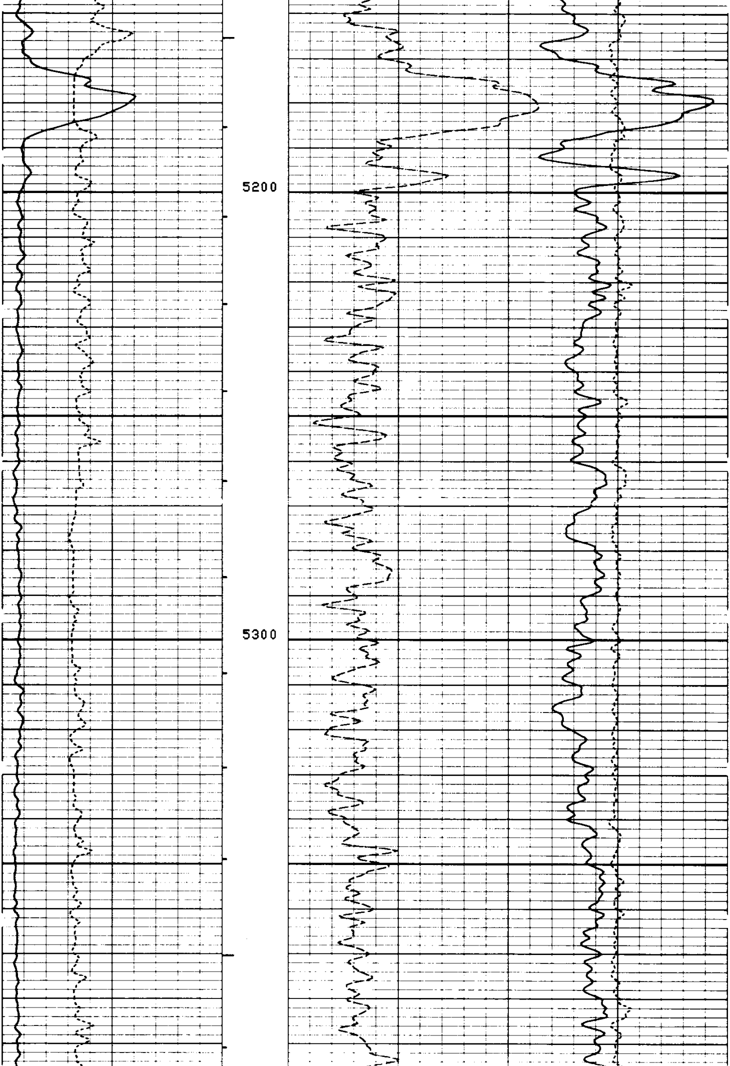


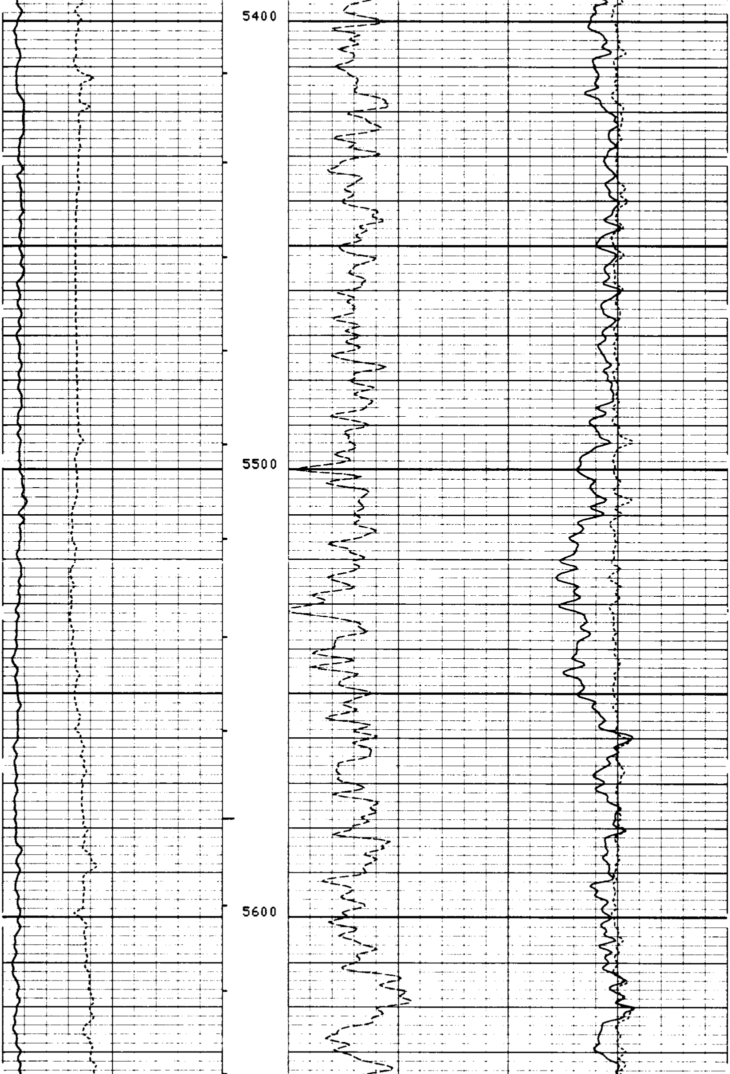


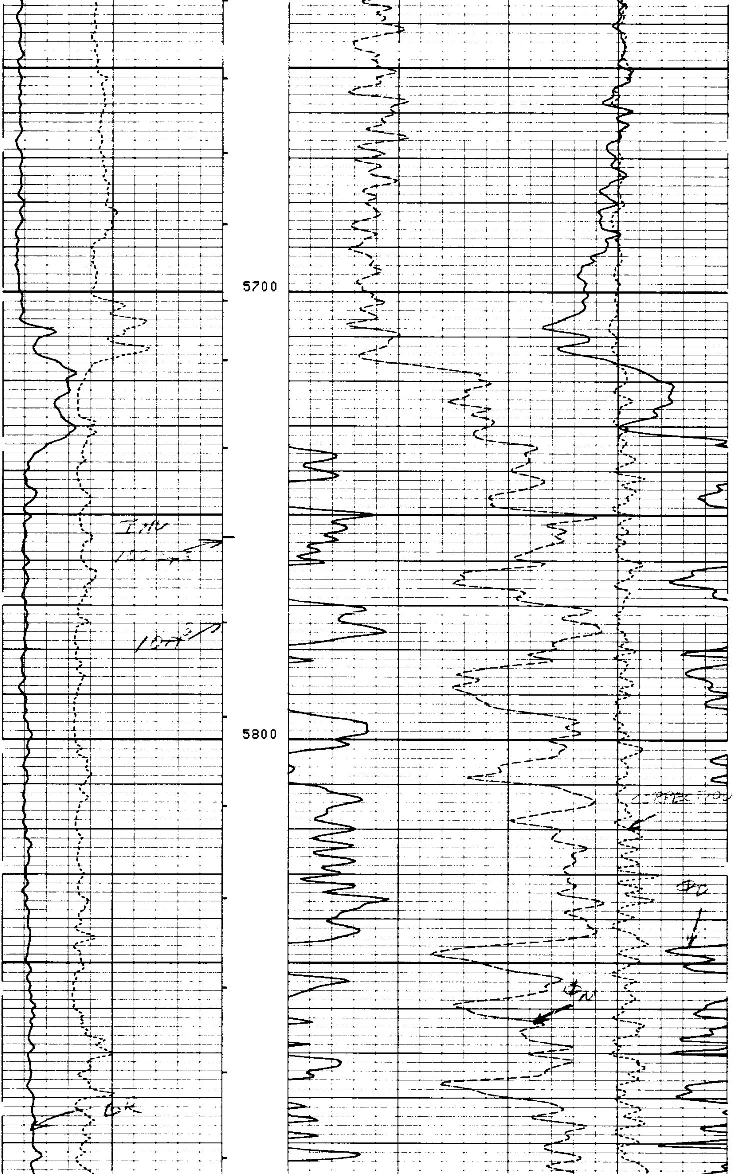


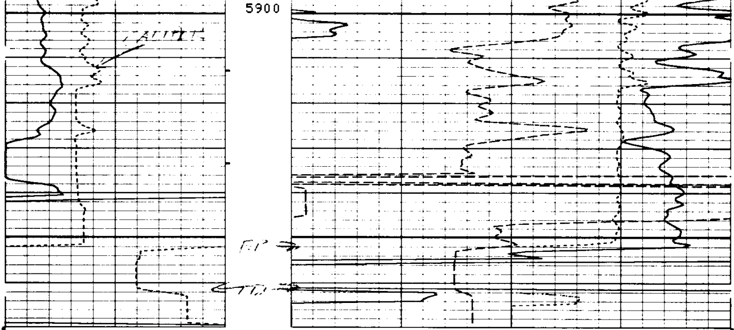












FILE

102

DRHO(G/C3)
-0.250 0.2500

CALI(IN)
6.000 16.00

DPHI( )
0.6000 0.0

GR (GAPI)
0.0 150.0

NPHI( )
0.6000 0.0

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

NCNL	18.3	FEET	GR	26.8	FEET
FFDC	3.0	FEET	FCNL	18.3	FEET
CALI	3.0	FEET	NFDC	3.0	FEET
NRAT	18.3	FEET	TENS	.0	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PSNR	2.330		BS	8.500	IN
MATR	SAND		HC	CALI	
MDEN	2.650	G/C3	FD	1.000	G/C3
BHF	WATE		FDCC	ALLO	
DO	0.0		BHS	OPEN	

↓ REPEAT SECTION ↓

DRHO(G/C3)
-0.250 0.2500

CALI(IN)
6.000 16.00

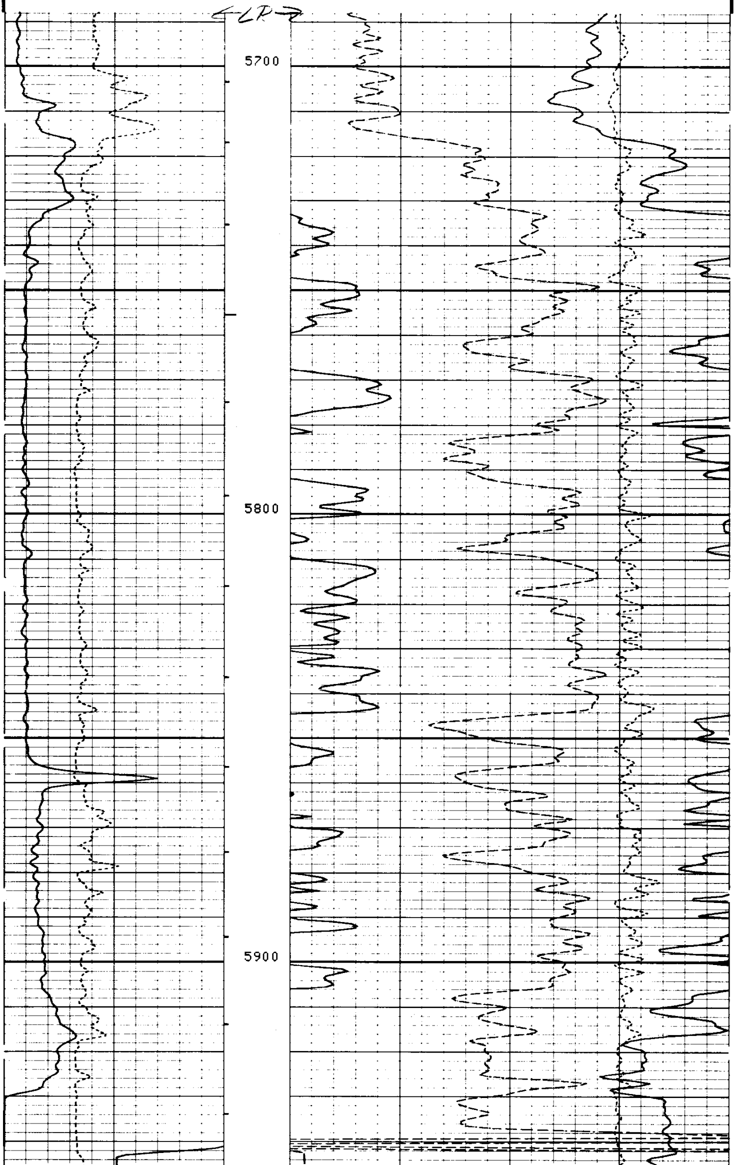
DPHI( )
0.6000 0.0

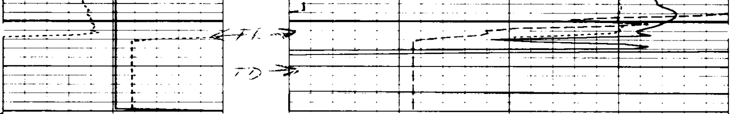
GR (GAPI)
0.0 150.0

NPHI( )
0.6000 0.0

FILE

101





```
                    FILE

                     101

                                                             DRHO(G/C3)
                                                     -0.250              0.2500
        CALI(IN  )                                  DPHI(     )
6.000              16.00       0.6000                                         0.0
        GR  (GAPI)                                  NPHI(     )
0.0                150.0       0.6000                                         0.0
```

```
            SENSOR MEASURE POINT TO TENSION REFERENCE POINT

      NCNL   18.3   FEET                        GR     26.8   FEET
      FFDC    3.0   FEET                        FCNL   18.3   FEET
      CALI    3.0   FEET                        NFDC    3.0   FEET
      NRAT   18.3   FEET                        TENS     .0   FEET
```

```
                              PARAMETERS

      NAME   VALUE    UNIT                      NAME   VALUE    UNIT

      PSNR   2.330                              BS     8.500    IN
      MATR   SAND                               HC     CALI
      MDEN   2.650    G/C3                      FD     1.000    G/C3
      BHF    WATE                               FDCC   ALLO
      DO     0.0                                BHS    OPEN
```

```
               BEFORE SURVEY CALIBRATION SUMMARY


   PERFORMED:      82/07/24
   PROGRAM FILE: ISN    (VERSION    20.2    81/ 1/30)


  SGTE               DETECTOR CALIBRATION SUMMARY

               MEASURED
             BKGD    JIG        CALIBRATED         UNITS
    GR        35     201           165             GAPI


  CNTA               DETECTOR CALIBRATION SUMMARY

                 TANK                        JIG
            INPUT  CALIBRATED          MEASURED   CALIBRATED
   NRAT     2.330    2.211              2.273       2.158


  PGTK               DETECTOR CALIBRATION SUMMARY

                 BLOCK                       JIG
            INPUT  CALIBRATED          MEASURED   CALIBRATED    UNITS
   FFDC      770      534                485         337         CPS
   NFDC      549      383                756         528         CPS


  PGTK               CALIPER CALIBRATION SUMMARY

               MEASURED                     CALIBRATED
             SMALL   LARGE               SMALL      LARGE       UNITS
   CALI       7.8    10.7                 8.0       12.0         IN
```

```
                 AFTER SURVEY TOOL CHECK SUMMARY


    PERFORMED:      82/07/24
    PROGRAM FILE: ISN    (VERSION    20.2    81/ 1/30)


  CNTA                         TOOL  CHECK

                          JIG
                   BEFORE       AFTER
    NRAT           2.158        2.161

    POROSITY CHANGE  (LIME):  0.001


  PGTK                         TOOL  CHECK

                          JIG
                   BEFORE       AFTER      UNITS
    FFDC            337          337        CPS
    NFDC            528          528        CPS

                   SHOP SUMMARY


    PERFORMED:      82/07/03
    PROGRAM FILE: SHOP   (VERSION    20.2    81/ 1/30)


  PGTK                DETECTOR CALIBRATION SUMMARY

                BLOCK                           JIG
          MEASURED  CALIBRATED       MEASURED   CALIBRATED    UNITS

    FFDC    549         337             539         330        CPS
    NFDC    770         528             765         524        CPS

              (PGS:679  , PDH:1167 , GSR:8016 , SFT  :477  )



                   SHOP SUMMARY


    PERFORMED:      82/07/03
    PROGRAM FILE: SHOP   (VERSION    20.2    81/ 1/30)


  CNTA                DETECTOR CALIBRATION SUMMARY

                 TANK                           JIG
          MEASURED  CALIBRATED       MEASURED   CALIBRATED

    NRAT    2.330       2.158          2.273       2.105

                        (CNC:1208 , CNB:1192 )
```