Watzek 22-19-66

Schlumberger

FDC / CNL / GR 5"

CSU Field Log

COMPANY:	DIAMOND SHAMROCK CORPORATION		
WELL:	WATZEK #22-19		
FIELD:	WILDCAT		
COUNTY:	CLATSOP		
STATE:	OREGON		
LOCATION:	1945' SOUTH; 2151' EAST OF NORTHWEST CORNER		
SEC:	19	TWP: 6N	RGE: 6W

OTHER SERVICES-

DIL
BHC
HDT
CIS

PERMANENT DATUM:	GL	ELEVATIONS-	
ELEV. OF PERM. DATUM:	636.0 '	KB:	645.0 '
LOG MEASURED FROM:	KB	DF:	
9.0 ' ABOVE PERM. DATUM		GL:	636.0 '
DRLG. MEASURED FROM:	KB		

PROGRAM
TAPE NO:
22.4
SERVICE
ORDER NO:
383582

DATE:	3 MAR 83
RUN NO:	1
DEPTH-DRILLER:	5195.0 '
DEPTH-LOGGER:	5188.0 '
BTM. LOG INTERVAL:	5180.0 '
TOP LOG INTERVAL:	1028.0 '
CASING-DRILLER:	1028 '
CASING-LOGGER:	1028 '
CASING:	9 5/8"
BIT SIZE:	8 3/4"

TYPE FLUID IN HOLE:	LOW SOLIDS NON DISPERSED
DENSITY:	10.7 LB/G
VISCOSITY:	55.0 S
PH:	10.1
FLUID LOSS:	5.2 C3
SOURCE OF SAMPLE:	
RM:	1.280 OHMM AT 74.0 DEGF
RMF:	2.190 OHMM AT 52.0 DEGF
RMC:	1.680 OHMM AT 52.0 DEGF
SOURCE RMF/RMC:	MEAS/MEAS
RM AT BHT:	0.856 OHMM AT 114. DEGF
RMF AT BHT:	1.067 OHMM AT 114. DEGF
RMC AT BHT:	0.819 OHMM AT 114. DEGF

TIME CIRC. STOPPED: 0000 3/3
TIME LOGGER ON BTM.: 0830 3/3

MAX. REC. TEMP: 114.0 DEGF

LOGGING UNIT NO: 8126
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: BURNISON
WITNESSED BY: WILSON

REMARKS:

TD NOT SHOWN ON LOG AS TOOL POWER OFF TO OPEN CALIPER

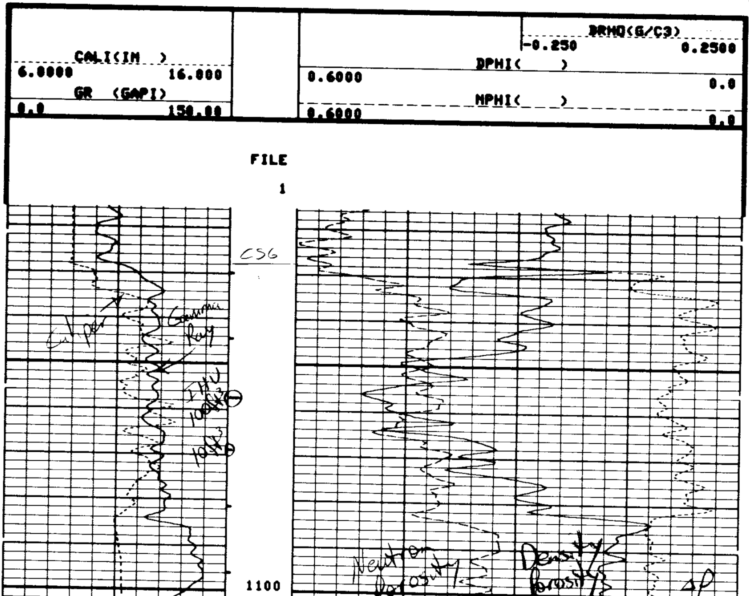
EQUIPMENT NUMBERS-

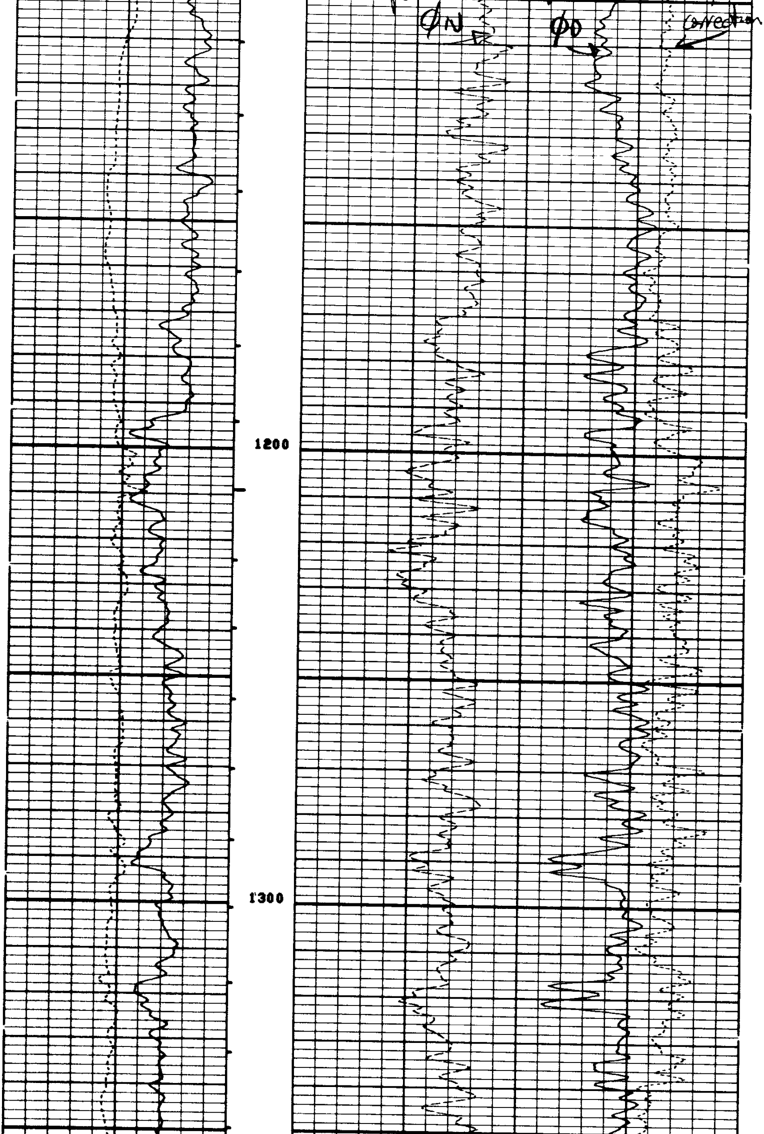
PGS-HB 599	PDH-M 1101	PGC-JA 631	NLM-BC 158
SGC-JC 2087	CNC-A 2191		

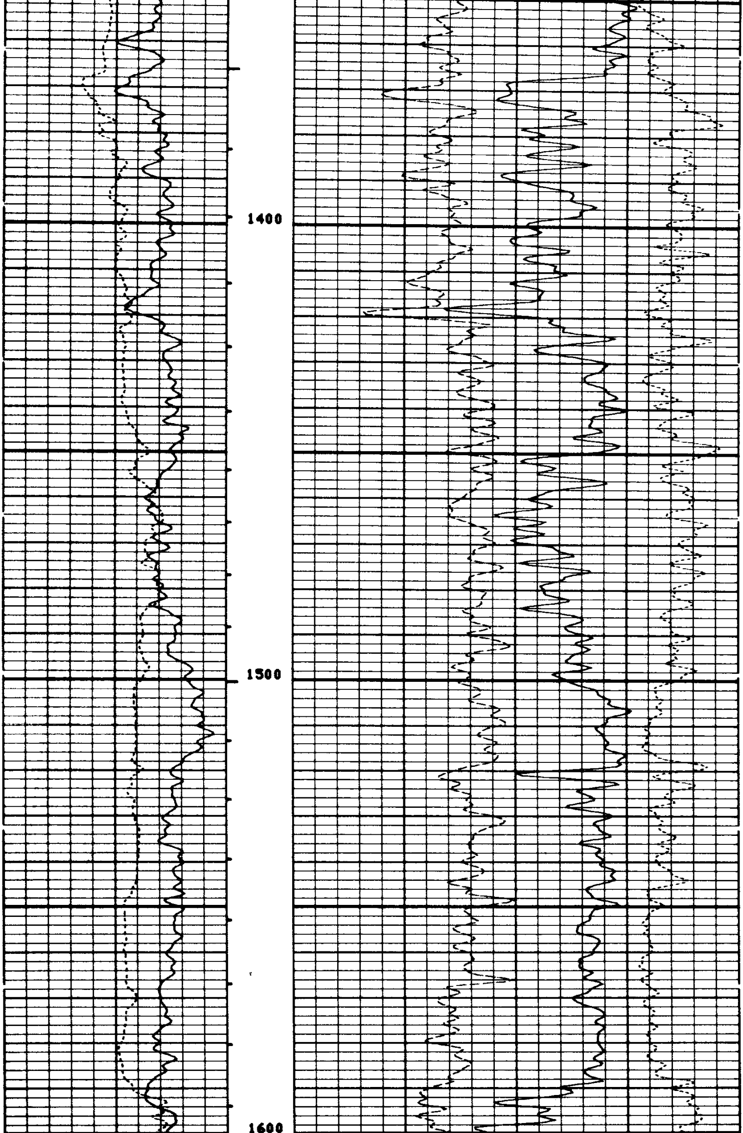
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS,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

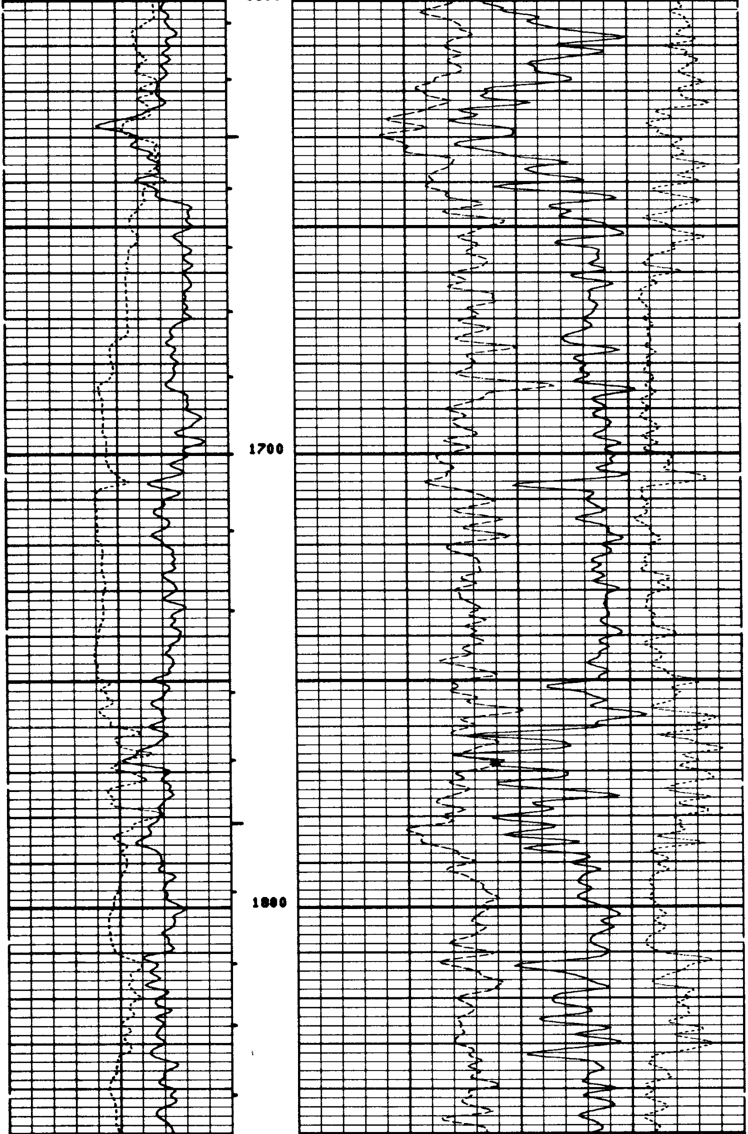
FILE

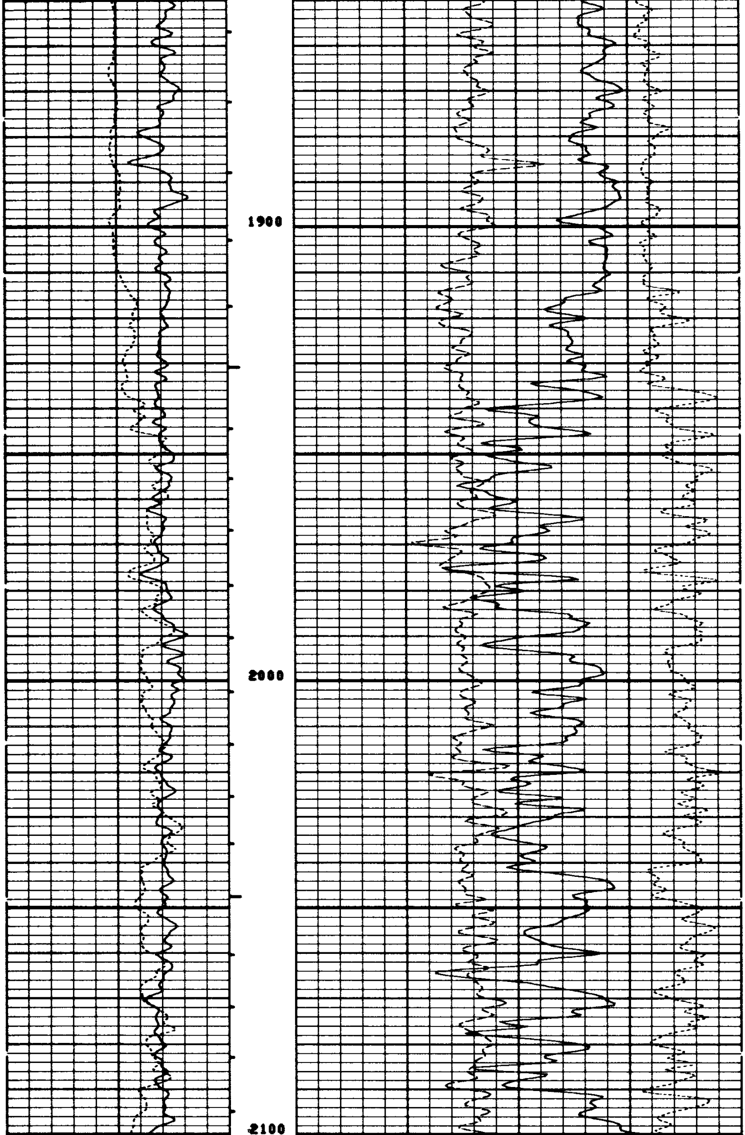
4

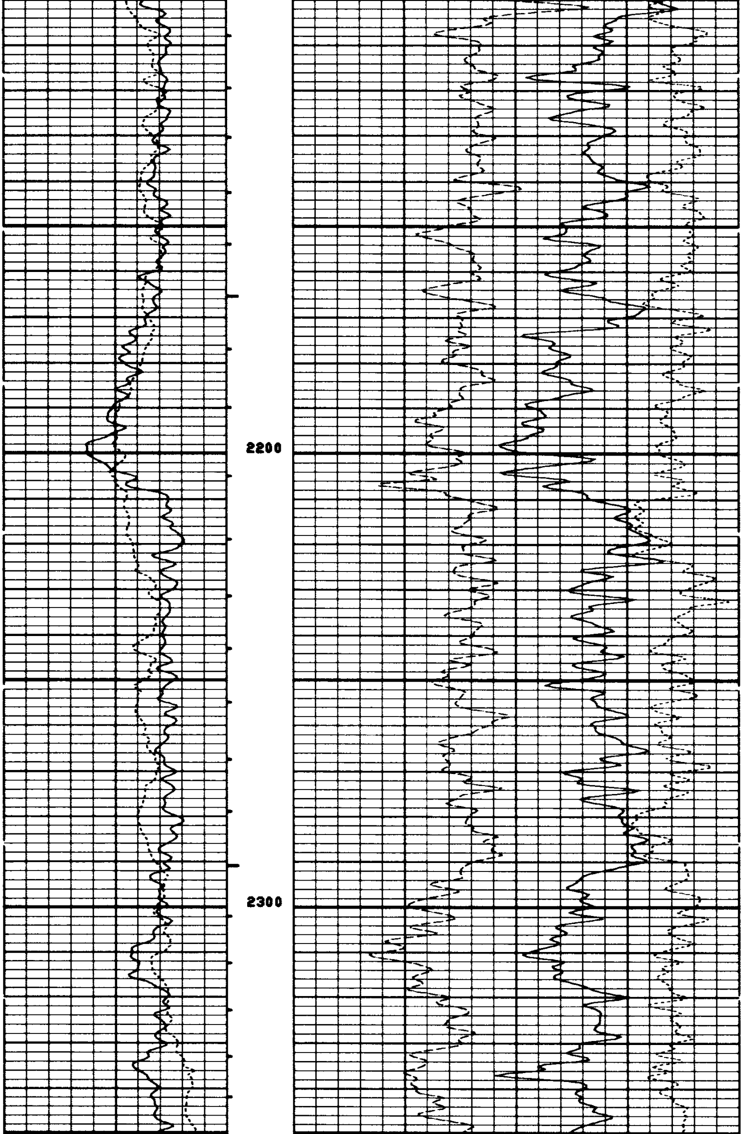


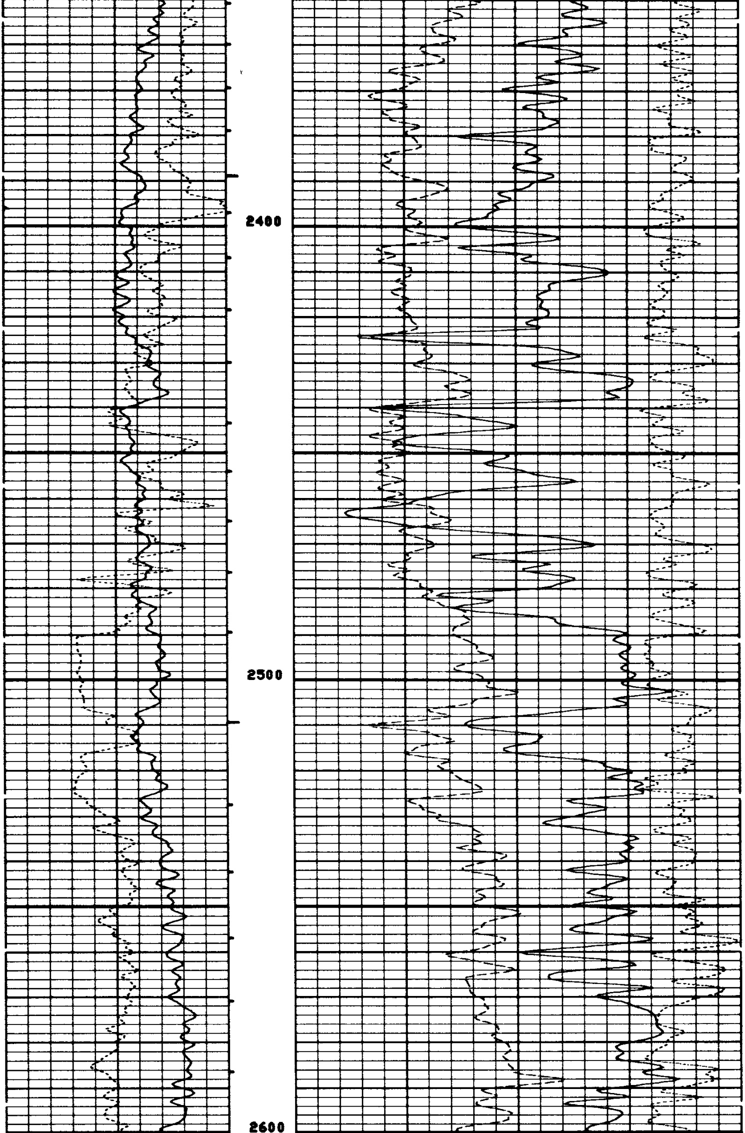


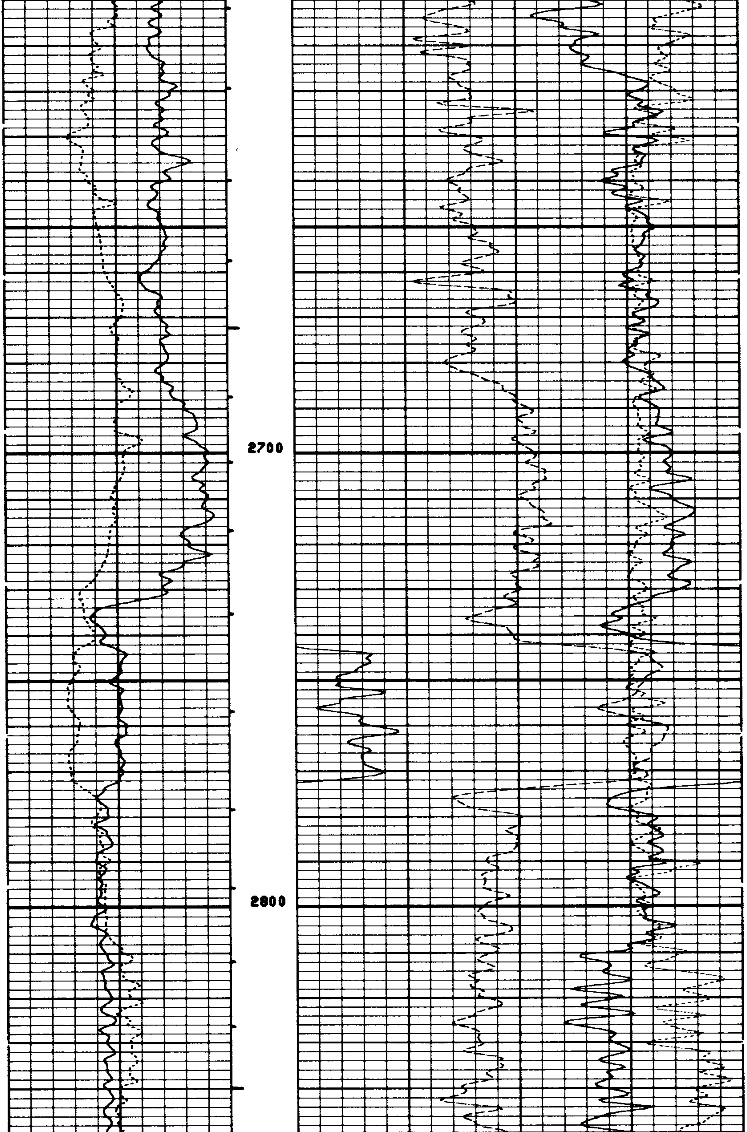


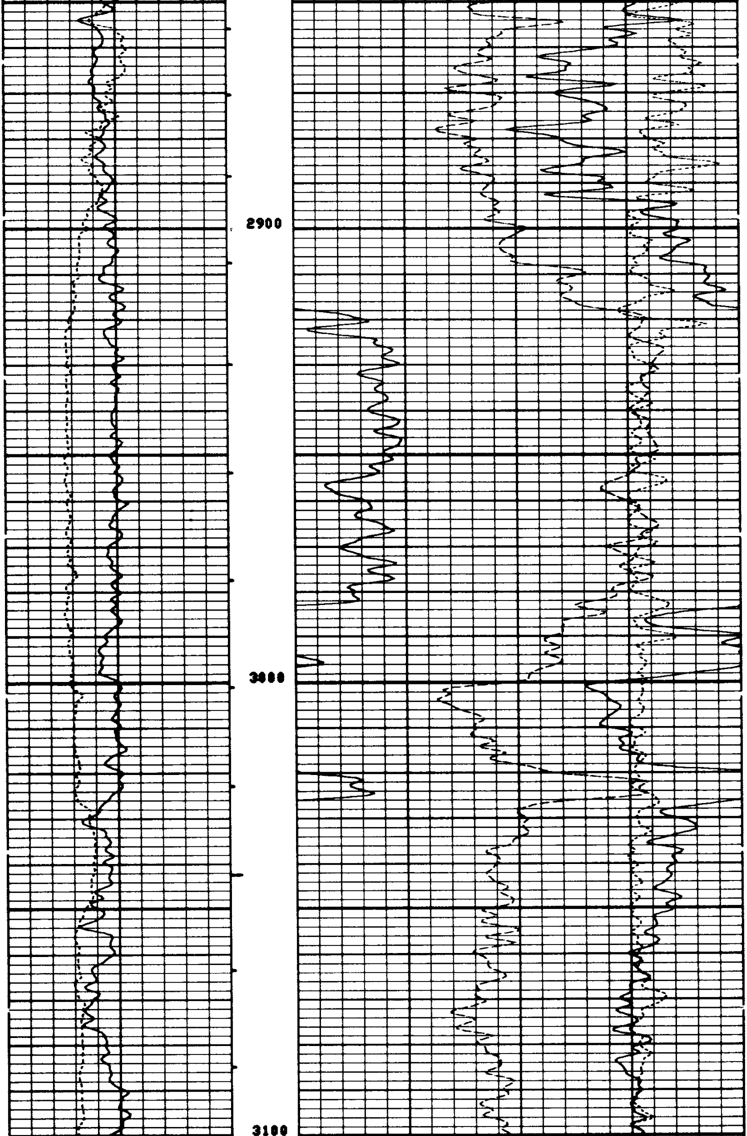


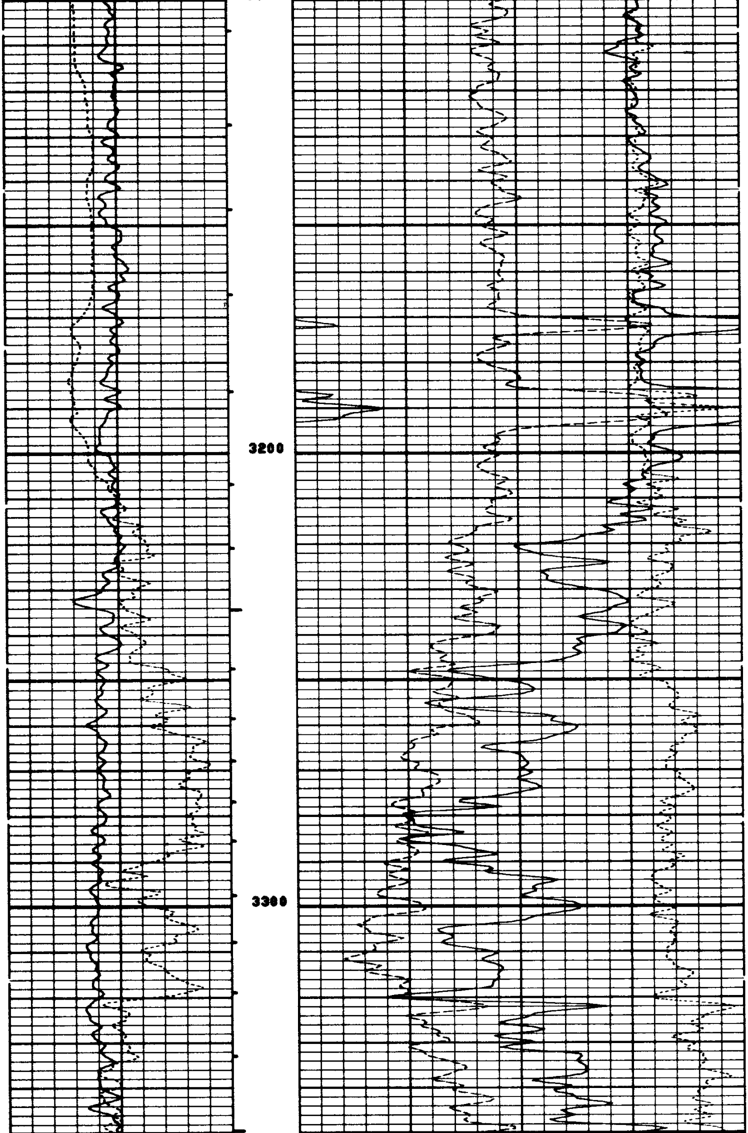


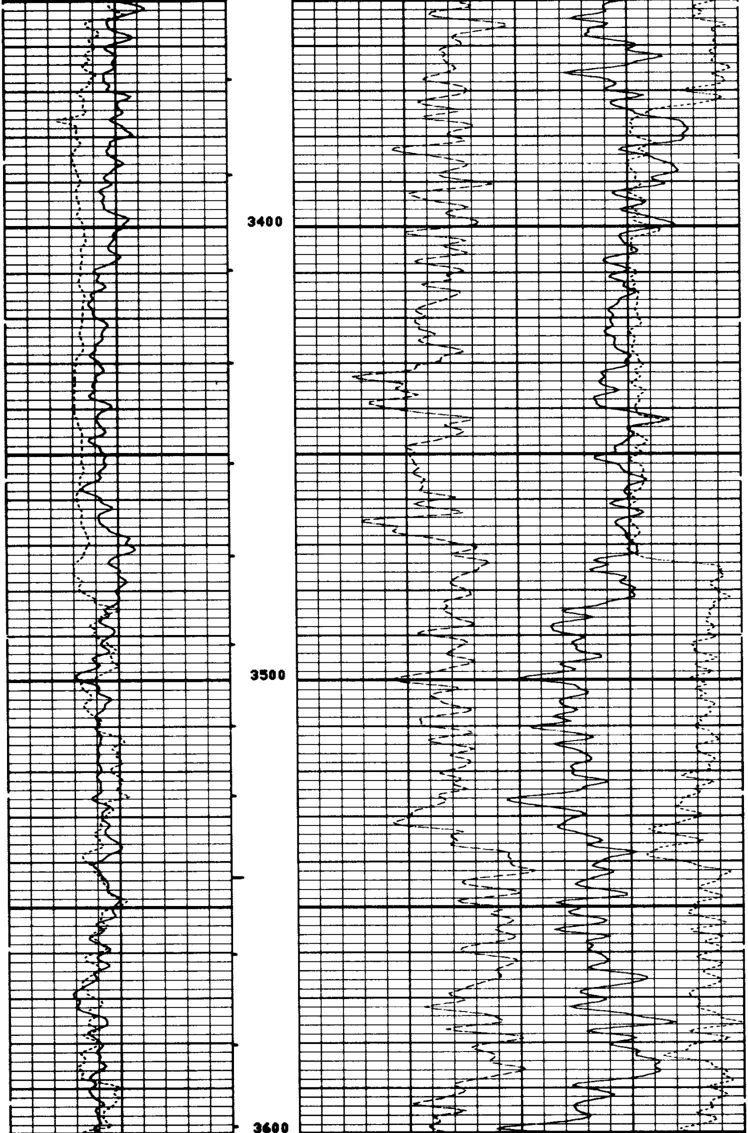


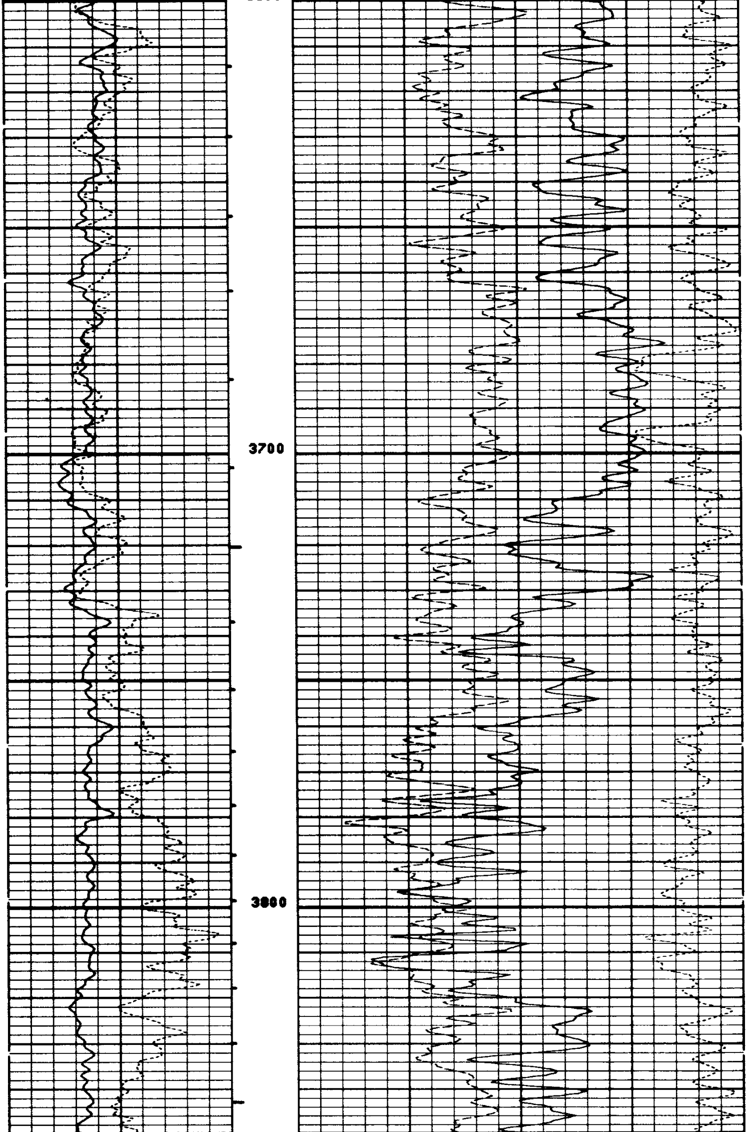


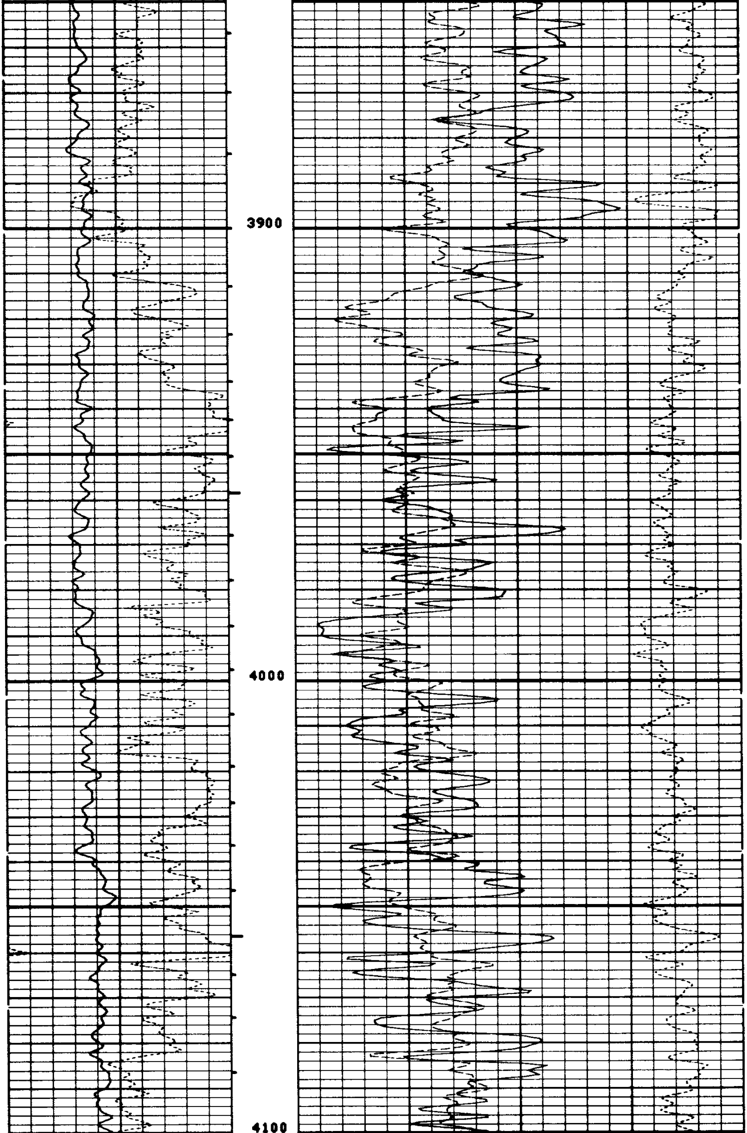


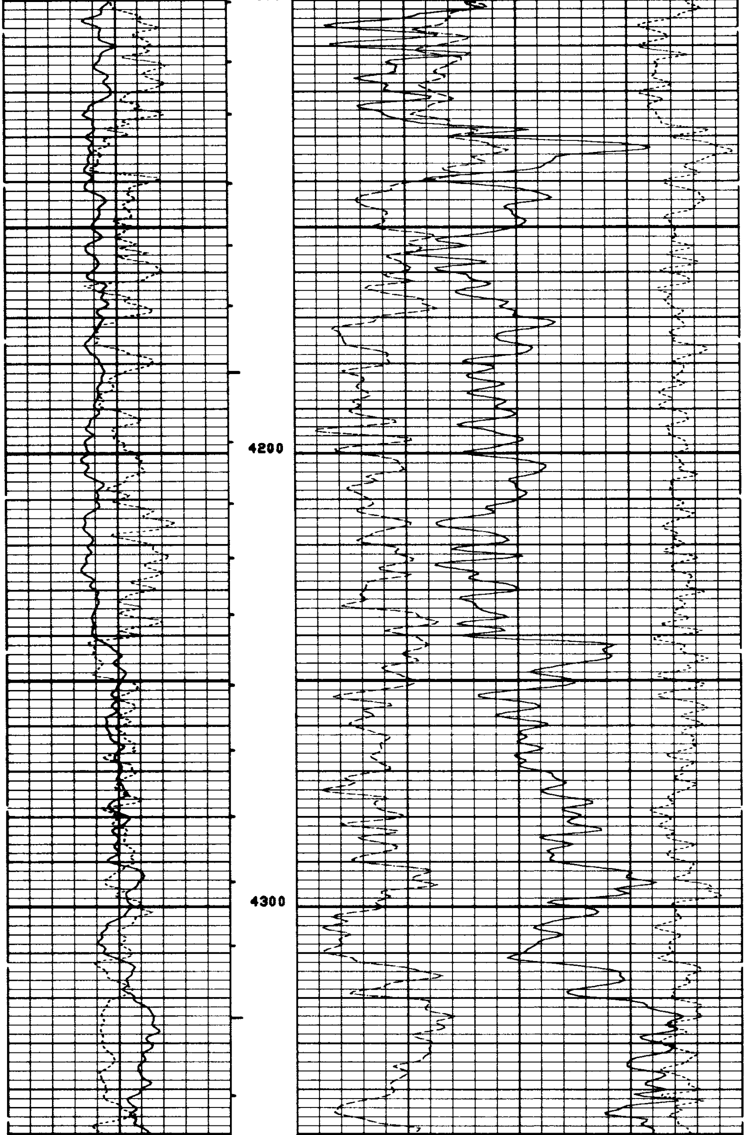


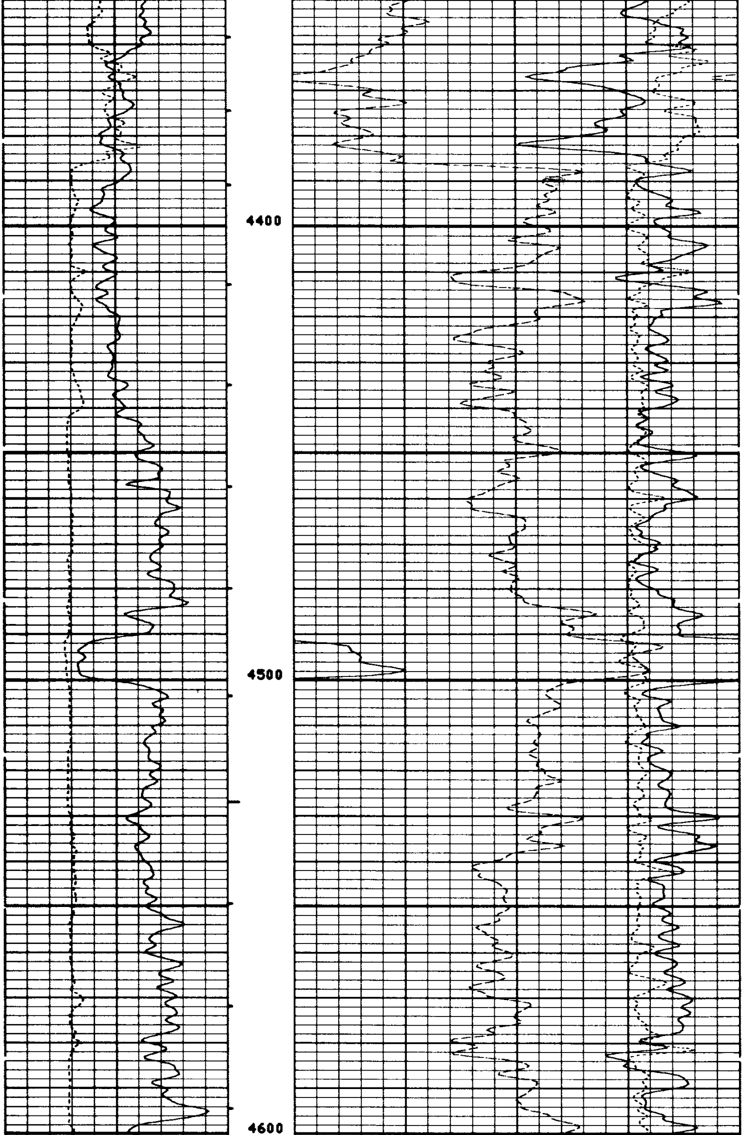


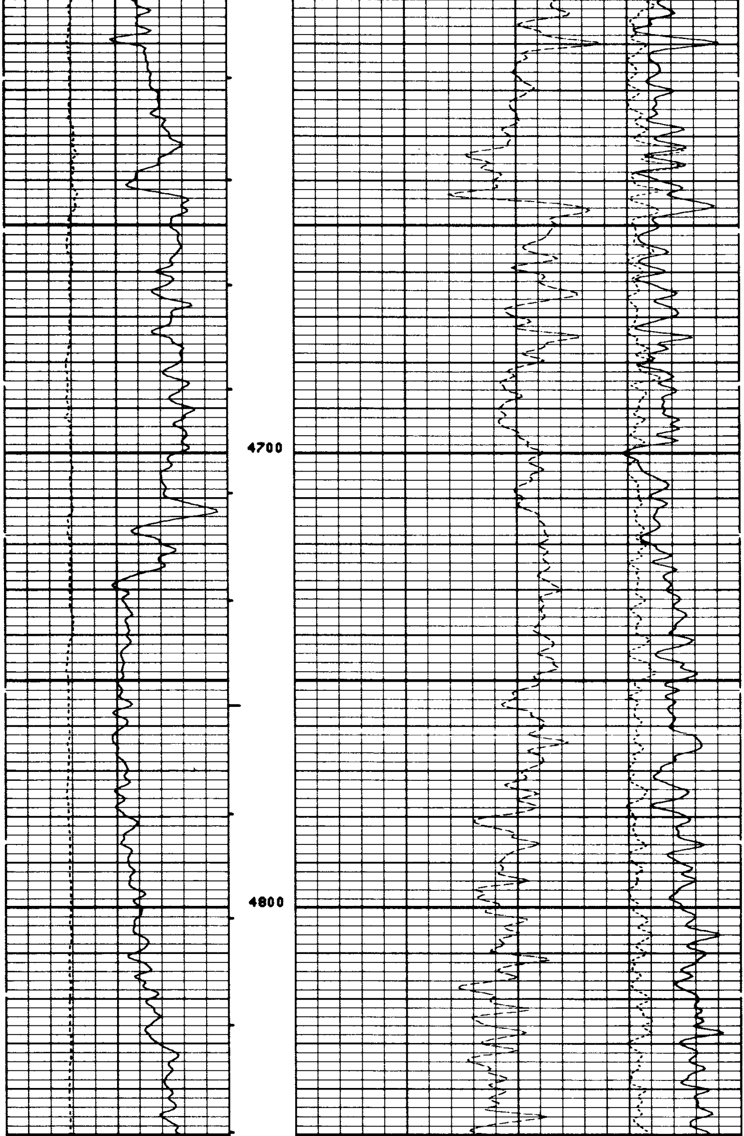


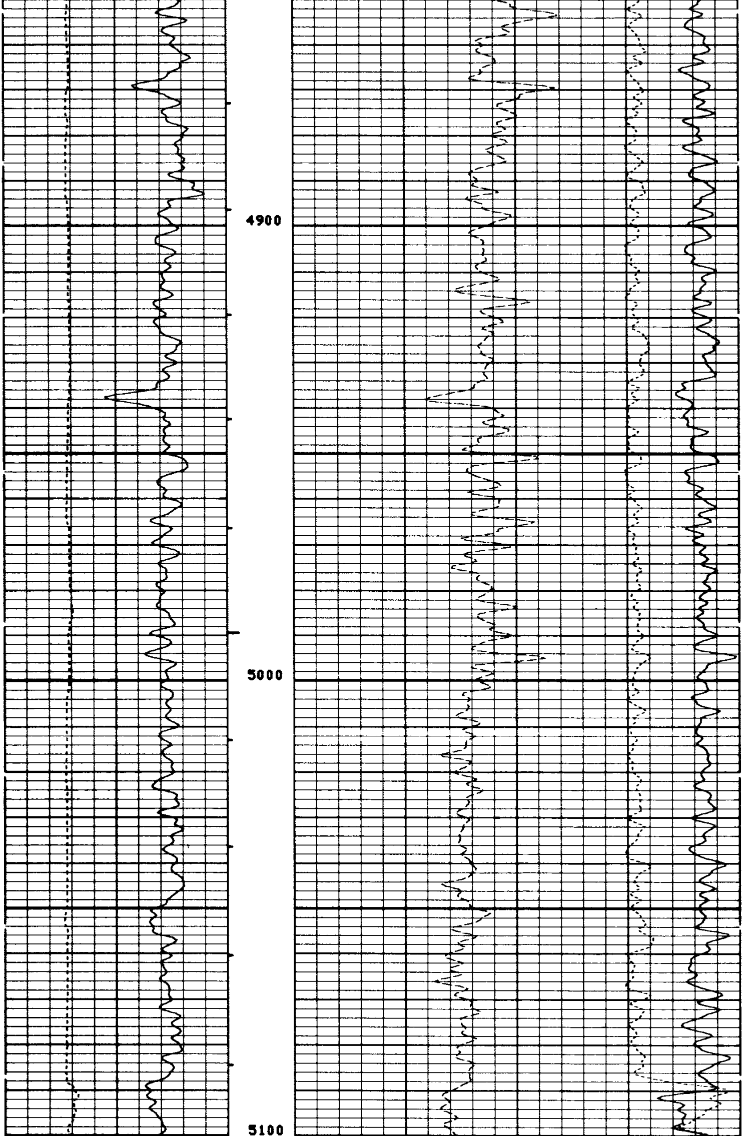


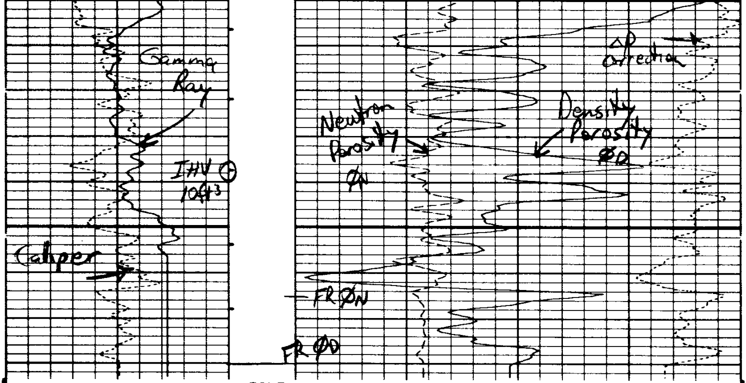












FILE TD = 5188

1

			DRHO(G/C3)	
			-0.250	0.2500
CALI(IN)			DPHI( )	
6.0000	16.000	0.6000		0.0
GR (GAPI)			MPHI( )	
0.0	150.00	0.6000		0.0

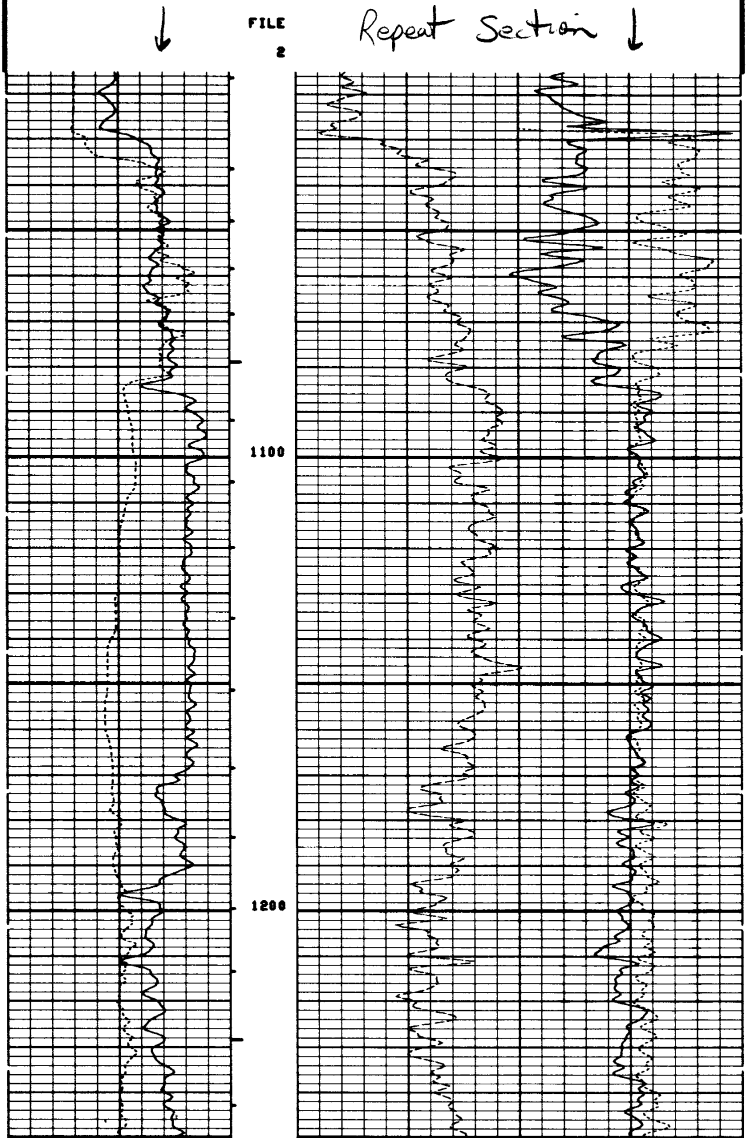
SENSOR MEASURE POINT TO TENSION REFERENCE POINT

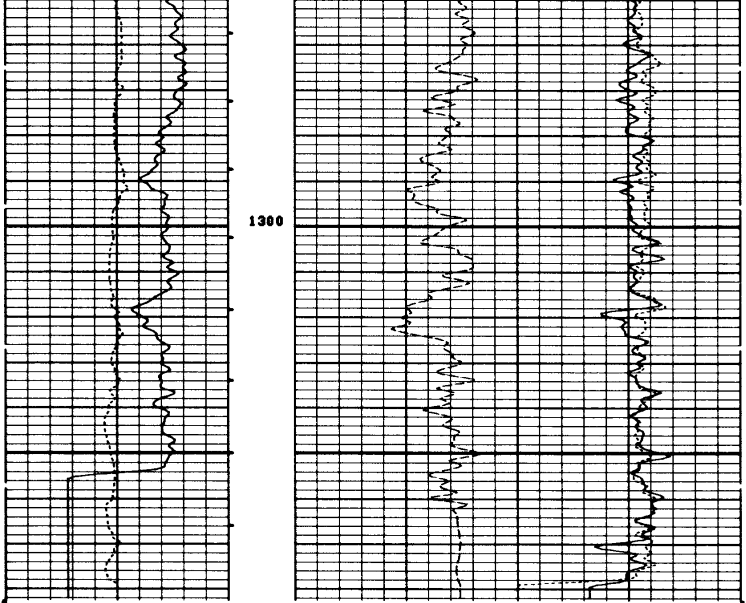
NCNL	15.6	FEET	GR	24.1	FEET
FFDC	.3	FEET	FCNL	15.6	FEET
CALI	.3	FEET	NFDC	.3	FEET
NRAT	15.6	FEET	TENS	.0	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PSNR	2.25700		BS	8.75000	IN
MATR	SAND		HC	CALI	
MDEN	2.65000	G/C3	FD	1.00000	G/C3
BHF	WATE		FDCC	ALLO	
FNUM	0.620000		FEXP	2.15000	
DO	0.0	F	BHS	OPEN	

			DRHO(G/C3)	
			-0.250	0.2500
CALI(IN)			DPHI( )	
6.0000	16.000	0.6000		0.0
GR (GAPI)			MPHI( )	
0.0	150.00	0.6000		0.0





FILE

2

Repeat

CALI(IN)		DRHO(G/C3)	
6.0000	16.000	-0.250	0.2500
GR (GAPI)		DPHI( )	
0.0	150.00	0.6000	0.0
		NPHI( )	
		0.6000	0.0

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

NCNL	15.6	FEET	GR	24.1	FEET
FFDC	.3	FEET	FCNL	15.6	FEET
CALI	.3	FEET	NFDC	.3	FEET
NRAT	15.6	FEET	TENS	.0	FEET

PARAMETERS

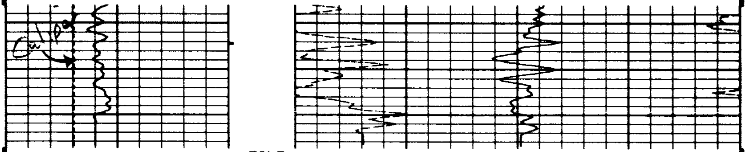
NAME	VALUE	UNIT	NAME	VALUE	UNIT
PSNR	2.25700		BS	8.75000	IN
MATR	SAND		HC	CALI	
MDEN	2.65000	G/C3	FD	1.00000	G/C3
DHF	WATE		FDCC	ALLD	
FNUM	0.620000		FEXP	2.15000	
DD	0.0	F	BHS	OPEN	

CALI(IN)		DRHO(G/C3)
6.0000	16.000	-0.250 0.2500
GR (GAPI)		DPHI( )
0.0	150.00	0.6000 0.0
		NPHI( )
		0.6000 0.0

FILE

3

Casing Check



FILE

3

CALI(IN)		DRHO(G/C3)
6.0000	16.000	-0.250 0.2500
GR (GAPI)		DPHI( )
0.0	150.00	0.6000 0.0
		NPHI( )
		0.6000 0.0

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

NCNL	15.6	FEET	GR	24.1	FEET
FFDC	.3	FEET	FCNL	15.6	FEET
CALI	.3	FEET	NFDC	.3	FEET
NRAT	15.6	FEET	TENS	.0	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PSNR	2.25700		BS	8.75000	IN
MATR	SAND		HC	CALI	
MDEN	2.65000	G/C3	FD	1.00000	G/C3
BHF	WATE		FDCC	ALLO	
FNUM	0.620000		FEXP	2.15000	
DO	0.0	F	BHS	OPEN	

```
                    AFTER SURVEY TOOL CHECK SUMMARY


     PERFORMED:      83/03/03
     PROGRAM FILE: ISN    (VERSION    22.4    82/09/01)


   CNTA                        TOOL  CHECK

                             JIG
                      BEFORE      AFTER
     NRAT             2.192       2.177

     POROSITY CHANGE  (LIME): -0.001


   PGTK                        TOOL  CHECK

                             JIG
                      BEFORE      AFTER      UNITS
     FFDC              360         358        CPS
     NFDC              550         515        CPS
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   RHOB  CHANGE (WATER): -0.031 G/C3
                             FILE

                               4


                BEFORE SURVEY CALIBRATION SUMMARY


  PERFORMED:       83/03/03
  PROGRAM FILE: ISM     (VERSION     22.4     82/09/01)


SGTE                  DETECTOR CALIBRATION SUMMARY

              MEASURED
            BKGD     JIG            CALIBRATED            UNITS
    GR      114      254               165                GAPI


CNTA                  DETECTOR CALIBRATION SUMMARY

                 TANK                                 JIG
            INPUT   CALIBRATED              MEASURED    CALIBRATED
  NRAT      2.25700  2.158                    2.292        2.192


PGTK                  DETECTOR CALIBRATION SUMMARY

                 BLOCK                                JIG
            INPUT   CALIBRATED              MEASURED    CALIBRATED      UNITS
  FFDC      452        337                     484         360           CPS
  NFDC      791        528                     824         550           CPS


PGTK                  CALIPER CALIBRATION SUMMARY

              MEASURED                           CALIBRATED
             SMALL     LARGE                  SMALL       LARGE          UNITS
  CALI        9.3      14.9                    6.0        12.0            IN
                            FILE

                              4


               SHOP  SUMMARY


  PERFORMED:       83/02/04
  PROGRAM FILE:  SHOP    (VERSION     22.4     82/09/01)


PGTK                  DETECTOR CALIBRATION SUMMARY

               BLOCK                               JIG
       MEASURED    CALIBRATED     MEASURED    CALIBRATED      UNITS

  FFDC    452          337           452          336           CPS
  NFDC    791          528           818          546           CPS

            (PGS:599 , PDH:1101, GSR:6487, SFT :443 )


               SHOP  SUMMARY


  PERFORMED:       83/02/04
  PROGRAM FILE:  SHOP    (VERSION     22.4     82/09/01)


CNTA                  DETECTOR CALIBRATION SUMMARY

               TANK                                JIG
       MEASURED    CALIBRATED     MEASURED    CALIBRATED

  NRAT    2.257        2.158         2.322        2.219

                     (CNC:2191, CNB:2284)
```