Schlumberger

FDC/CNL/GR 5"

CSU

RECEIVED-PTLD
DEC 9 - 1985
DEPT. OF GEOLOGY

COMPANY: ARCO EXPLORATION & TECHNOLOGY COMPANY

WELL: CROWN ZELLERBACH #41-2

FIELD: MIST
COUNTY: COLUMBIA
STATE: OREGON

LOCATION: 581.64'S 0 4'29"E- 771.56'
S89 18' 31"W FR NE COR.
SEC: 2 TWP: 5N RGE: 5W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 977.3 F
LOG MEASURED FROM: KB
12.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 989.3 F
DF:
GL: 977.3 F

DATE: 11 NOV 85
RUN NO: 1

DEPTH-DRILLER: 2109.0 F
DEPTH-LOGGER: 2104.0 F
BTM. LOG INTERVAL: 2103.0 F
TOP LOG INTERVAL: 420.0 F

CASING-DRILLER: 417 F
CASING-LOGGER: 420 F
CASING: 9 5/8

BIT SIZE: 8 3/4

OTHER SERVICES-
DIL
BHC
HDT

API SERIAL NO:
3600900174

PROGRAM
TAPE NO:
26.2
SERVICE
ORDER NO:
432377

TYPE FLUID IN HOLE: GEL POLYMER
DENSITY: 10.2 LB/G
VISCOSITY: 53.0 S
PH: 9.2
FLUID LOSS: 4.8 C3
SOURCE OF SAMPLE: CIRC.
RM: 3.510 OHMM AT 58.0 DEGF
RMF: 3.230 OHMM AT 34.0 DEGF
RMC: 3.570 OHMM AT 36.0 DEGF
SOURCE RMF/RMC: MEAS. /MEAS.
RM AT BHT: 1.825 OHMM AT 118. DEGF
RMF AT BHT: 1.059 OHMM AT 118. DEGF
RMC AT BHT: 1.228 OHMM AT 118. DEGF

TIME CIRC. STOPPED:	2000 11/10
TIME LOGGER ON BTM.:	0221 11/11
MAX. REC. TEMP:	118.0 DEGF
LOGGING UNIT NO:	8057
LOGGING UNIT LOC:	SACRAMENTO
RECORDED BY:	ANDERSEN
WITNESSED BY:	JACKSON

REMARKS:

ECCENTRALIZER USED

EQUIPMENT NUMBERS-

PGS 86	PDH 340	CNC 2359	SGT 3206
NLM 207			

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.

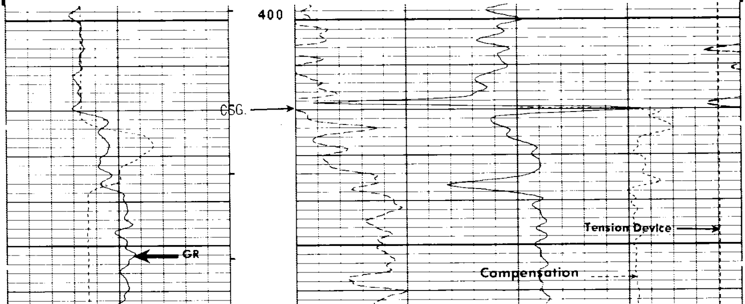
FILE 4 11-NOV-85 03:23
DATA ACQUIRED 00- -00 00:00

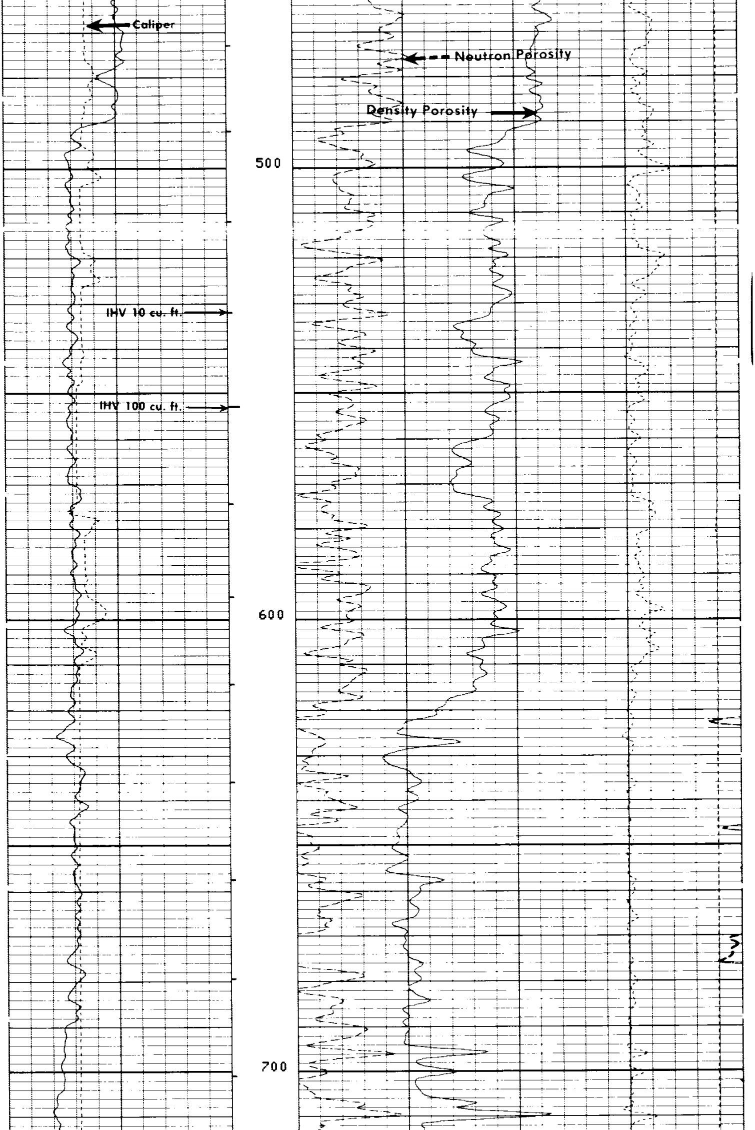
TENS(LB)
10000. 0.0
DRHO(G/C3)
-.2500 .25000

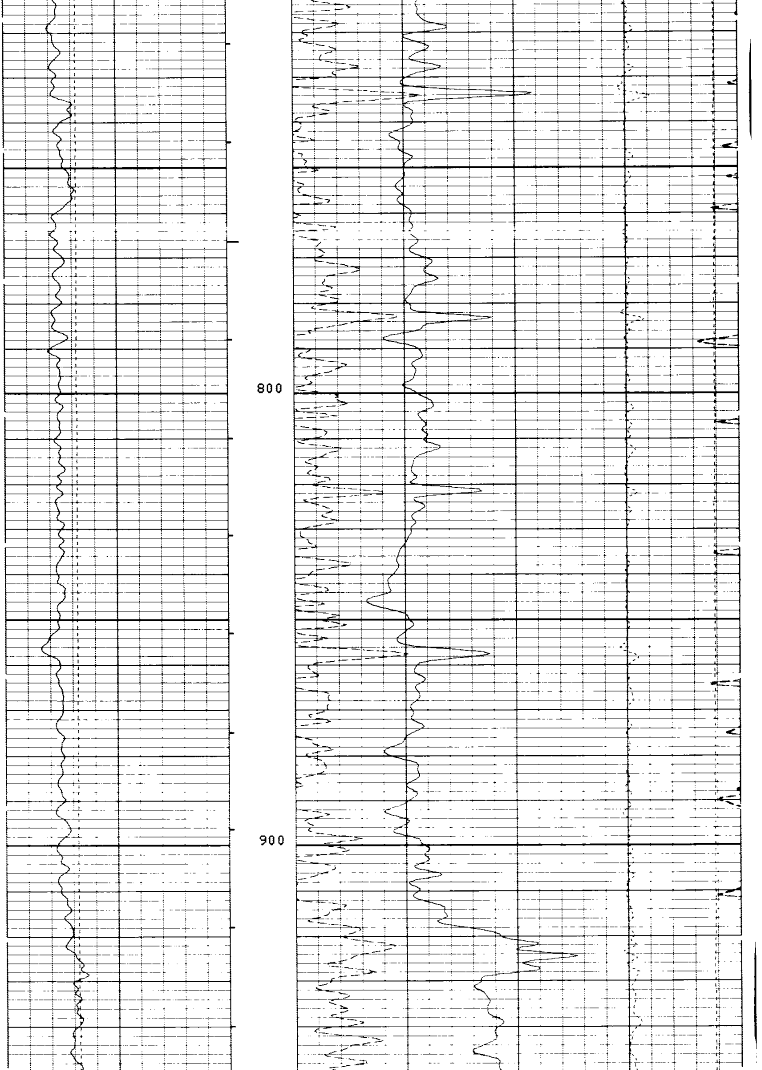
CALI(IN)
6.0000 16.000
GR (GAPI)
0.0 150.00

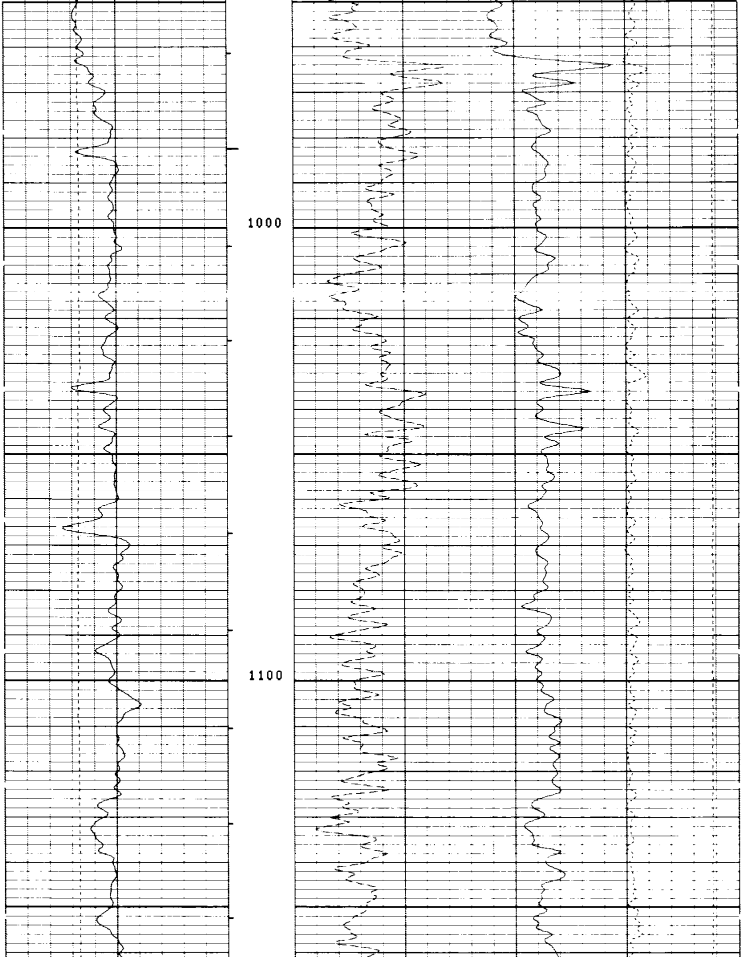
DPHI
.60000 0.0
NPHI
.60000 0.0

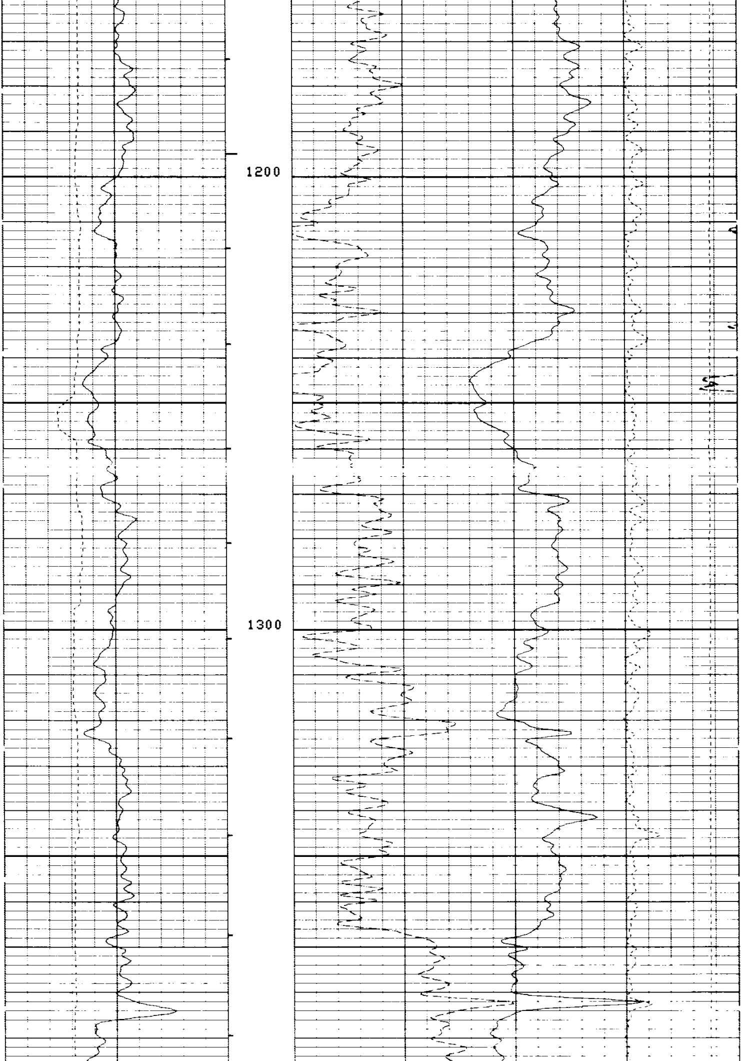
FILE 2 11-NOV-85 03:21

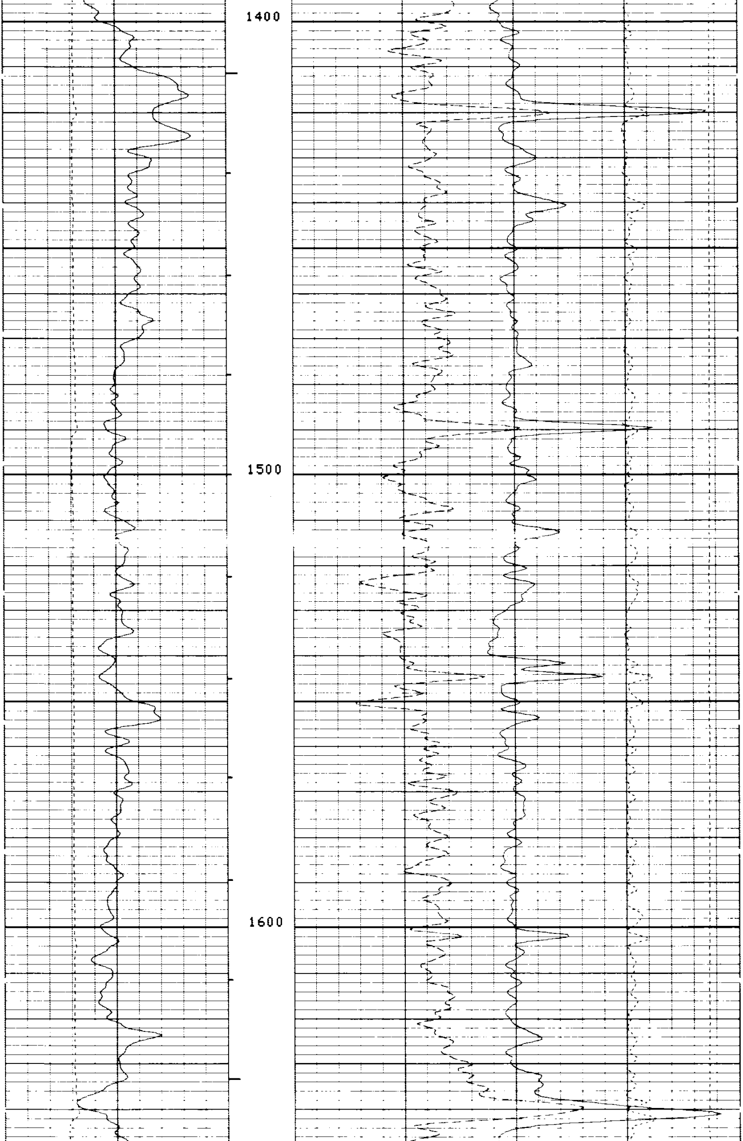


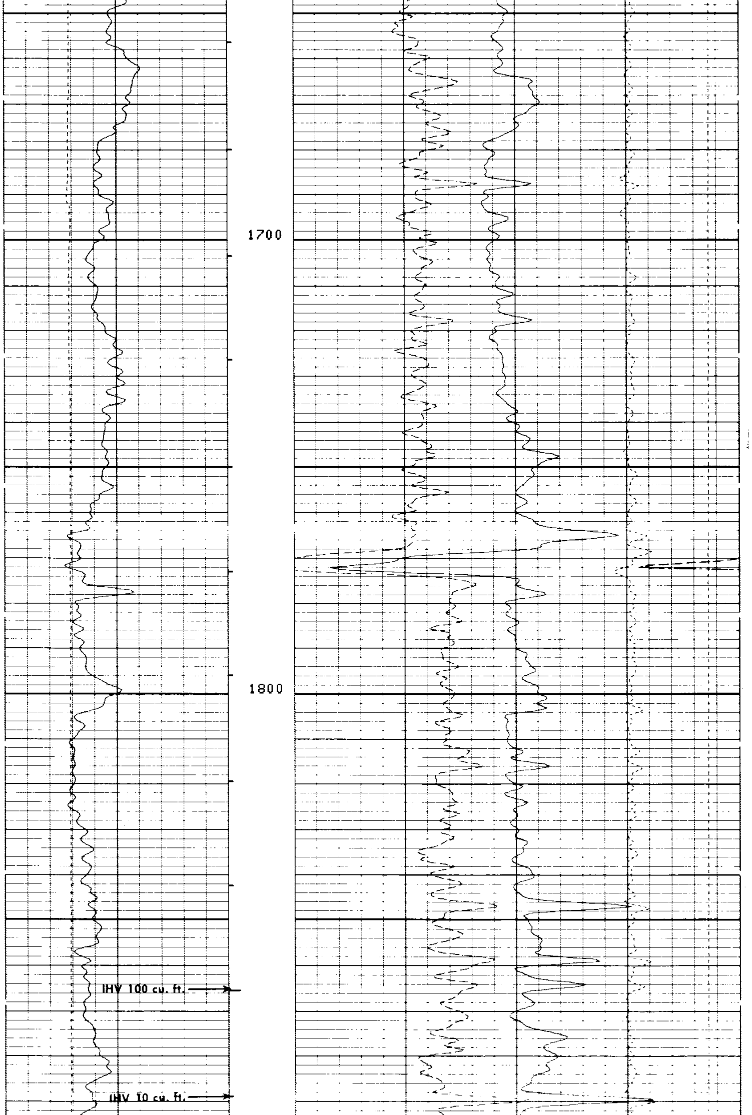


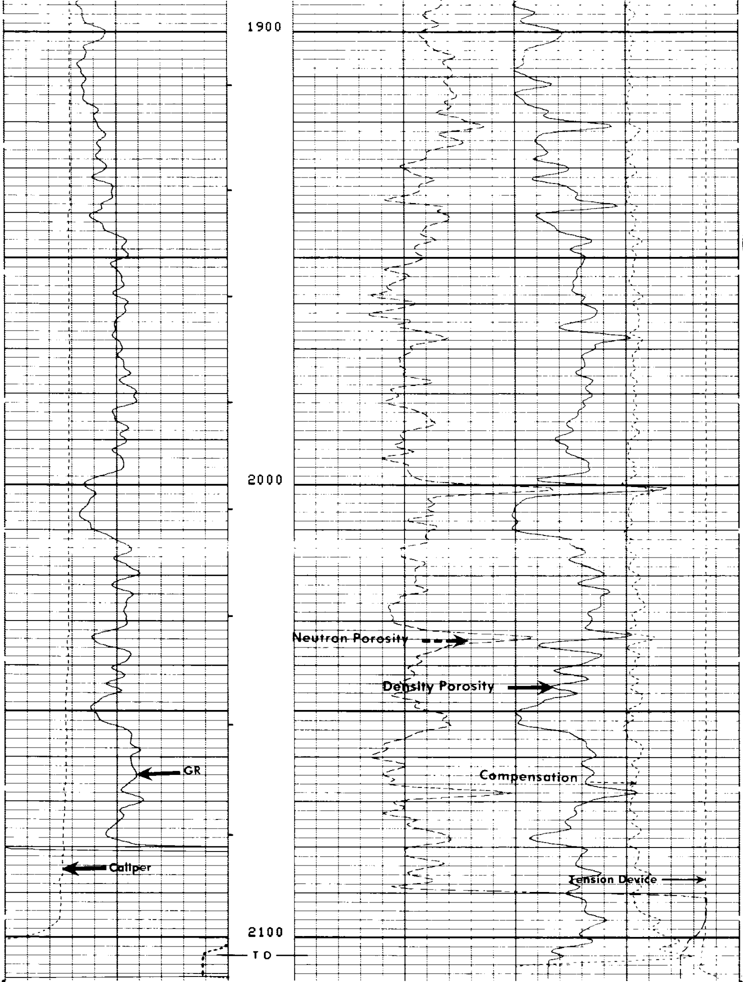












FILE 2 11-NOV-85 02:19

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

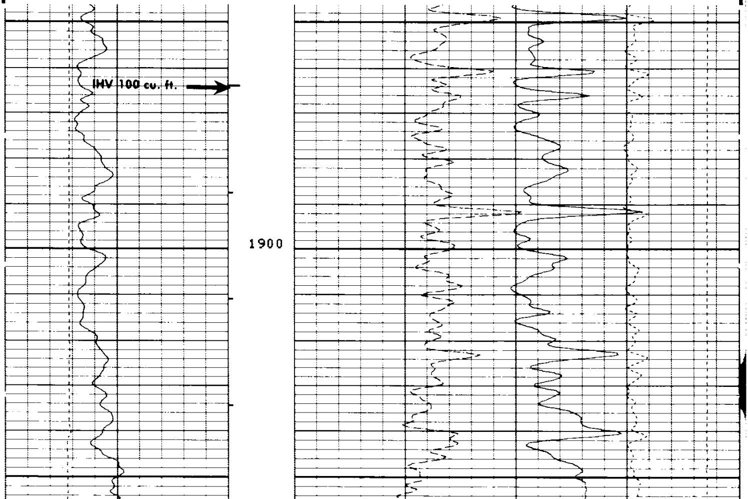
PARAMETERS

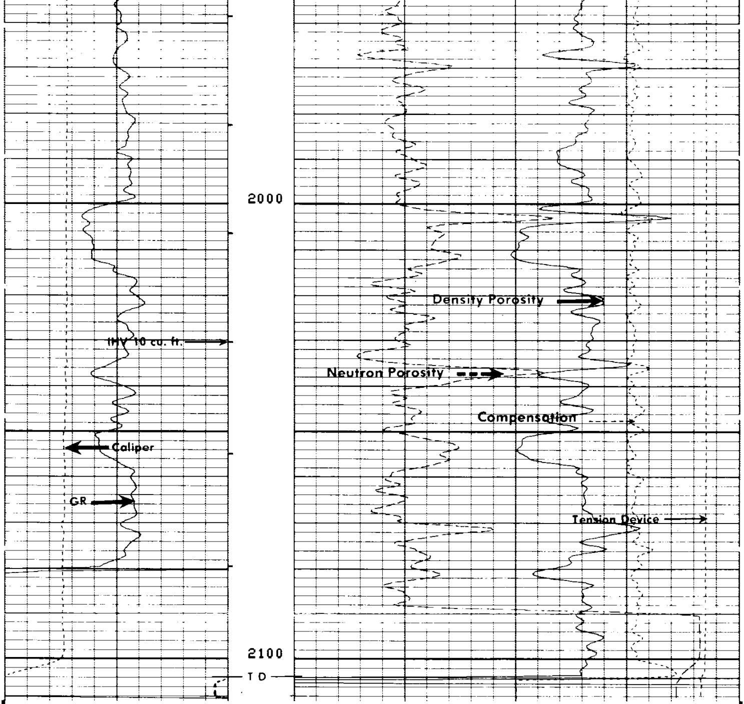
NAME	VALUE	UNIT	NAME	VALUE	UNIT
HC	CALI		PSNR	2.17000	
FD	1.00000	G/C3	MATR	SAND	
FDCC	ALLO		MDEN	2.65000	G/C3
BHS	OPEN		BHF	WATE	
BS	8.75000	IN			

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 1 11-NOV-85 02:18





FILE 1 11-NOV-85 02:07 **REPEAT SECTION**

Curve	Left	Right
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

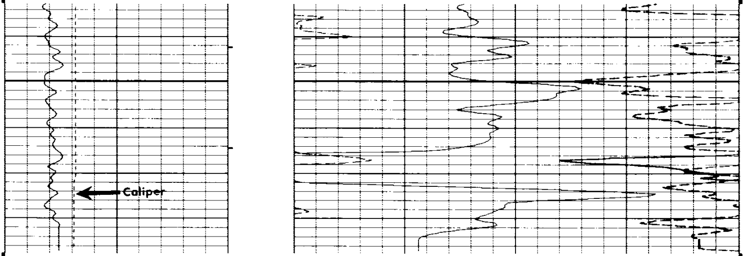
NAME	VALUE	UNIT	NAME	VALUE	UNIT
HC	CALI		PSNR	2.17000	
FD	1.00000	G/C3	MATR	SAND	
FDCC	ALLO		MDEN	2.65000	G/C3
BHS	OPEN		BHF	WATE	
BS	8.75000	IN			

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 0 11-NOV-85 01:55



FILE 0 11-NOV-85 01:55

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	2.17000	
FD	1.00000	G/C3	MATR	SAND	
FDCC	ALLO		MDEN	2.65000	G/C3
BHS	OPEN		BHF	WATE	
BS	8.75000	IN			

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                     AFTER SURVEY TOOL CHECK SUMMARY


  PERFORMED:     85/11/11
  PROGRAM FILE: ISN    (VERSION    26.2    83/11/17)


CNTA                         TOOL  CHECK

                          JIG
                   BEFORE       AFTER
  NRAT             2.214        2.206

  POROSITY CHANGE  (LIME):  -.000


PGTK                         TOOL  CHECK

                          JIG
                   BEFORE       AFTER      UNITS
  FFDC              307          304        CPS
  NFDC              565          562        CPS

  RHOB  CHANGE (WATER):    .001 G/C3

                        FILE    4       11-NOV-85 04:01
                    BEFORE SURVEY CALIBRATION SUMMARY


  PERFORMED:     85/11/10
  PROGRAM FILE: ISN    (VERSION    26.2    83/11/17)


SGTE                   DETECTOR CALIBRATION SUMMARY

                MEASURED
             BKGD     JIG          CALIBRATED          UNITS
    GR        45      206             165              GAPI


CNTA                   DETECTOR CALIBRATION SUMMARY

                  TANK                                JIG
            INPUT   CALIBRATED            MEASURED   CALIBRATED
  NRAT     2.17000  2.158                  2.226       2.214


PGTK                   DETECTOR CALIBRATION SUMMARY

                  BLOCK                               JIG
            INPUT   CALIBRATED            MEASURED   CALIBRATED     UNITS
  FFDC      552       337                   503         307          CPS
  NFDC     1279       528                  1369         565          CPS


PGTK                   CALIPER CALIBRATION SUMMARY

              MEASURED                          CALIBRATED
            SMALL    LARGE                  SMALL       LARGE       UNITS
  CALI      10.8     14.9                    8.0        12.0         IN

                        FILE    3       10-NOV-85 18:04
                   SHOP  SUMMARY


  PERFORMED:     29-OCT-85 14:54
  PROGRAM FILE: SHOP   (VERSION    28.2A    85/07/10)


CNTA                   DETECTOR CALIBRATION SUMMARY

                 TANK                              JIG
      MEASURED  CALIBRATED          MEASURED   CALIBRATED

  NRAT     2.170       2.158            2.195        2.183

                     (CNC:2359, CNB:1448)
                   SHOP  SUMMARY


  PERFORMED:     29-OCT-85 14:09
  PROGRAM FILE: SHOP   (VERSION    28.2A    85/07/10)


PGTK                   DETECTOR CALIBRATION SUMMARY

                 BLOCK                             JIG
      MEASURED    CALIBRATED        MEASURED   CALIBRATED     UNITS

  FFDC   552         337              558          341          CPS
  NFDC  1279         528             1390          533          CPS

             (PGS:HB86, PDH:M340, GSR:6608, SFT :477 )
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