ENCL. 19

PE603858

Schlumberger

FDC-CNL-GR SUITE NO. 1

CSU Field Log

460141

COMPANY: AMOCO AUSTRALIA
WELL: CAPE SORELL NO. 1
FIELD: WILDCAT
STATE: TASMANIA
NATION: AUSTRALIA
LOCATION: SOUTHWEST TASMANIA
SEC: TWP: RGE:
LATITUDE: 042 08 09.54 S
LONGITUDE: 145 01 47.06 E
PERMANENT DATUM: M.S.L.
ELEV. OF PERM. DATUM:
LOG MEASURED FROM: KB
72.0 ' ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB
ELEVATIONS-
KB: 72.0 '
DF: 71.0 '
GL: -309.0 '
DATE: 8 JUL 1982
RUN NO: 1

OTHER SERVICES-
DIS-BHC-GR
HDT
CST

PROGRAM TAPE NO: 22.1
SERVICE ORDER NO: SEA0701

DEPTH-DRILLER: 1440.0 '
DEPTH-LOGGER: 1440.0 '
BTM. LOG INTERVAL: 1437.0 '
TOP LOG INTERVAL: 693.0 '

CASING-DRILLER: 693 '
CASING-LOGGER: 693 '
CASING: 30
WEIGHT: 310.0 LB/F
BIT SIZE: 12 1/4
DEPTH: 1440 '

TYPE FLUID IN HOLE: FRESHWATER GEL
DENSITY: 8.4 LB/G
VISCOSITY: 48.0 S
PH: 10.0
FLUID LOSS: 16.0 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 0.907 OHMM AT 60.0 DEGF
RMF: 0.844 OHMM AT 60.0 DEGF
RMC: 0.990 OHMM AT 60.0 DEGF
SOURCE RMF/RMC: PRES/PRES
RM AT BHT: 8.681 OHMM AT
RMF AT BHT: 8.078 OHMM AT
RMC AT BHT: 9.475 OHMM AT

TIME CIRC. STOPPED: 1600
TIME LOGGER ON BTM.: 2030

MAX. REC. TEMP:

LOGGING UNIT NO: 33
LOGGING UNIT LOC: SEA
RECORDED BY: H GOH
WITNESSED BY: W BARRET

REMARKS:

REPEATABILITY OF NPHI NOT CONSISTENT DUE TO OVER GAUGED HOLE AT BOTTOM
NO BHT AVAILABLE AS TEMPERATURE BELOW 100 DEGF

EQUIPMENT NUMBERS-

PGC H 800 PGS G 773 PDH DB 1823 CNC A 1266
NSM 2743

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
0

AFTER SURVEY TOOL CHECK SUMMARY

```
  PERFORMED:     82/07/08
  PROGRAM FILE: PGNN   (VERSION    20.22   03/62/14)

CNTA                        TOOL  CHECK

                           JIG
               BEFORE        AFTER
  NRAT         2.168         2.157

  POROSITY CHANGE  (LIME): -0.001

PGTE                        TOOL  CHECK

                           JIG
               BEFORE        AFTER      UNITS
  FFDC          327           329        CPS
  NFDC          506           507        CPS
```

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```
     HVI (     )                                        TENS(LB  )
1.000           10.00                             500.0          5500.
     BS  (IN  )                                          DRHO(G/C3)
10.00           20.00                             -0.250         0.2500
     CALI(IN  )                            NPHI(    )
10.00           20.00       0.4500                               -0.150
     GR  (GAPI)                            RHOB(G/C3)
0.0             150.0       1.850                                 2.850
```

FILE
5

FILE
5

```
     HVI (     )                                        TENS(LB  )
1.000           10.00                             500.0          5500.
     BS  (IN  )                                          DRHO(G/C3)
10.00           20.00                             -0.250         0.2500
     CALI(IN  )                            NPHI(    )
10.00           20.00       0.4500                               -0.150
     GR  (GAPI)                            RHOB(G/C3)
0.0             150.0       1.850                                 2.850
```

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

```
   NCNL  17.3  FEET                 GR    25.8  FEET
   FFDC   3.0  FEET                 FCNL  17.3  FEET
   CALI   3.0  FEET                 NFDC   3.0  FEET
   NRAT  17.3  FEET                 TENS    .0  FEET
```

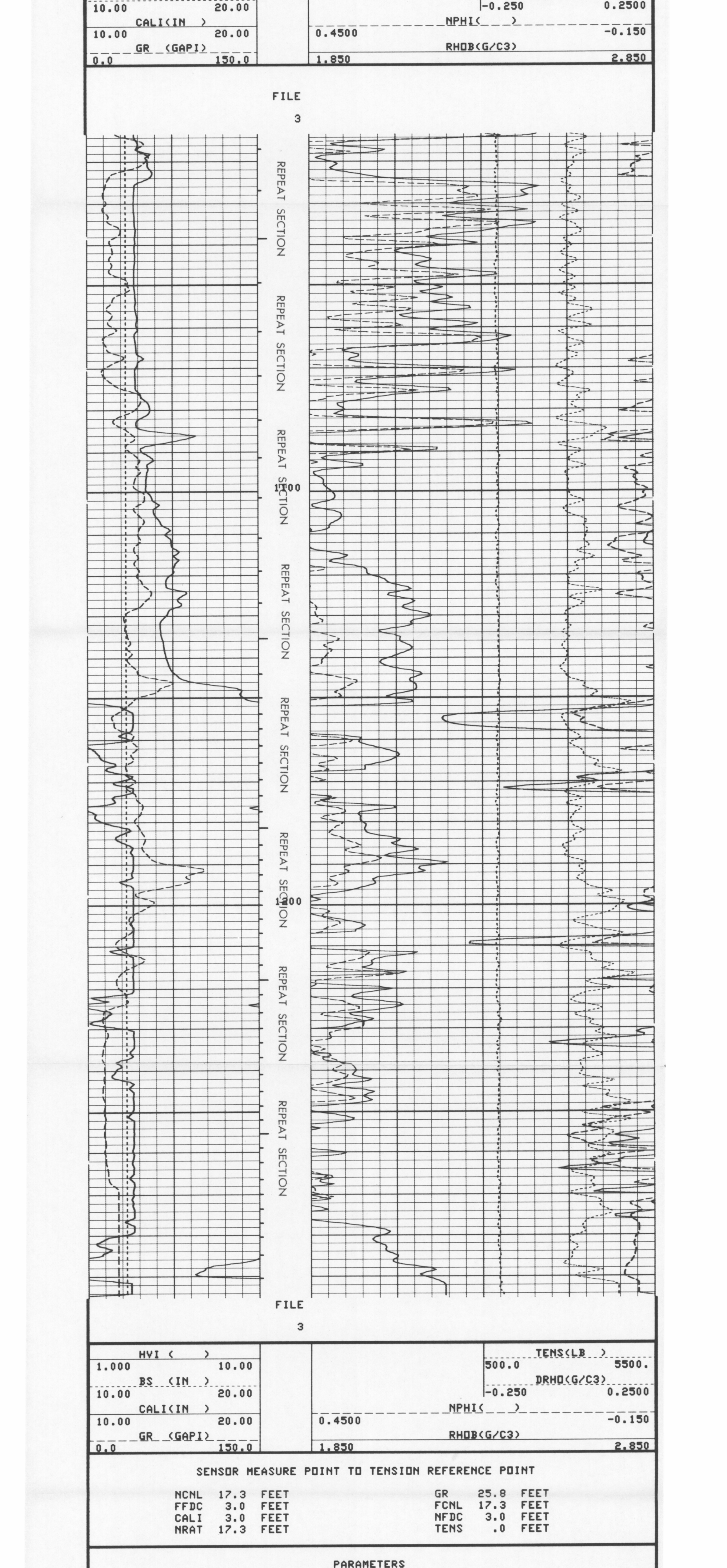
PARAMETERS

```
   NAME  VALUE    UNIT              NAME  VALUE    UNIT

   PSNR  2.333                      BS    12.25    IN
   MATR  LIME                       HC    CALI
   MDEN  2.710    G/C3              FD    1.000    G/C3
   BHF   WATE                       FDCC  ALLO
   DO    0.0                        BHS   OPEN
```

```
     HVI (     )                                        TENS(LB  )
1.000           10.00                             500.0          5500.
     BS  (IN  )                                          DRHO(G/C3)
10.00           20.00                             -0.250         0.2500
     CALI(IN  )                            NPHI(    )
10.00           20.00       0.4500                               -0.150
     GR  (GAPI)                            RHOB(G/C3)
0.0             150.0       1.850                                 2.850
```

FILE
3



FILE
3

```
     HVI (     )                                        TENS(LB  )
1.000           10.00                             500.0          5500.
     BS  (IN  )                                          DRHO(G/C3)
10.00           20.00                             -0.250         0.2500
     CALI(IN  )                            NPHI(    )
10.00           20.00       0.4500                               -0.150
     GR  (GAPI)                            RHOB(G/C3)
0.0             150.0       1.850                                 2.850
```

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

```
   NCNL  17.3  FEET                 GR    25.8  FEET
   FFDC   3.0  FEET                 FCNL  17.3  FEET
   CALI   3.0  FEET                 NFDC   3.0  FEET
   NRAT  17.3  FEET                 TENS    .0  FEET
```

PARAMETERS

```
   NAME  VALUE    UNIT              NAME  VALUE    UNIT

   PSNR  2.333                      BS    12.25    IN
   MATR  LIME                       HC    CALI
   MDEN  2.710    G/C3              FD    1.000    G/C3
   BHF   WATE                       FDCC  ALLO
   DO    0.0                        BHS   OPEN
```

BEFORE SURVEY CALIBRATION SUMMARY

```
  PERFORMED:     82/07/08
  PROGRAM FILE: PGNN   (VERSION    20.22   03/62/14)

SGTE               DETECTOR CALIBRATION SUMMARY

            MEASURED
          BKGD    JIG          CALIBRATED          UNITS
    GR      8     169             165              GAPI

CNTA               DETECTOR CALIBRATION SUMMARY

              TANK                               JIG
          INPUT  CALIBRATED             MEASURED   CALIBRATED
  NRAT    2.333    2.158                  2.343      2.168

PGTE               DETECTOR CALIBRATION SUMMARY

              BLOCK                              JIG
          INPUT  CALIBRATED             MEASURED   CALIBRATED     UNITS
  FFDC     373      337                    362        327          CPS
  NFDC     689      528                    661        506          CPS

PGTE               CALIPER CALIBRATION SUMMARY

            MEASURED                         CALIBRATED
          SMALL    LARGE                   SMALL      LARGE        UNITS
  CALI     7.6     10.5                     8.0       12.0          IN
```

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1

SHOP SUMMARY

```
  PERFORMED:     82/06/07
  PROGRAM FILE: SHOP   (VERSION    20.2    81/ 1/30)

PGTE               DETECTOR CALIBRATION SUMMARY

              BLOCK                        JIG
       MEASURED   CALIBRATED    MEASURED   CALIBRATED    UNITS

  FFDC   373         337          360         325         CPS
  NFDC   689         528          657         503         CPS

          (PGS:773  , PDH:1754 , GSR:2549 , GCBC :766  )
```

SHOP SUMMARY

```
  PERFORMED:     82/07/05
  PROGRAM FILE: SHOP   (VERSION    22.1    82/04/06)

CNTA               DETECTOR CALIBRATION SUMMARY

             TANK                         JIG
       MEASURED  CALIBRATED       MEASURED   CALIBRATED

  NRAT    2.333       2.158          2.306        2.132

                 (CNC:1266, CNB:1035)
```

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FDC-CNL-GR SUITE NO. 1

CSU Field Log