Attachment 28 OR-0310

Schlumberger

LDL-CNL-GR YOLLA#1 SUITE#2 1/200

CSU Field Log

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COMPANY:    AMOCO AUSTRALIA PETROLEUM CO.                     OTHER SERVICES-
                                                                ISF-BHC-MSFL
WELL:       YOLLA #1

FIELD:      WILDCAT
RIG  .:     R F BAUER
STATE@:     TASMANIA
NATION:     AUSTRALIA
LOCATION:   BASS STRAIT - OFFSHORE TASMANIA.

LATITUDE:   039 50 18.96 S
LONGITUDE:  145 48 21.2 E
                                                              PROGRAM
PERMANENT DATUM:         MSL          ELEVATIONS-             TAPE NO:
ELEV. OF PERM. DATUM:     0.0 M         KB:    10.9 M           28.15
LOG MEASURED FROM:       KB             DF:    10.3 M         SERVICE
     10.9 M    ABOVE PERM. DATUM        GL:   -79.5 M         ORDER NO:
DRLG. MEASURED FROM:     KB                                     RFB 5702

DATE:            19 JUL 85
RUN NO:          1

DEPTH-DRILLER:       1982.5 M
DEPTH-LOGGER:        1986.0 M
BTM. LOG INTERVAL:   1985.0 M
TOP LOG INTERVAL:    1755.0 M

CASING-DRILLER:        399.0 M     1752.0 M
CASING-LOGGER:                     1755.0 M
CASING:              20            13 3/8
   WEIGHT:           129.000 LB/F 72.0000 LB/F
BIT SIZE:            26            17 1/2        12 1/4
   DEPTH:              399.0 M     1759.0 M      1982.5 M

TYPE FLUID IN HOLE:   WATER-GEL-POLYMER
DENSITY:               8.90 LB/G
VISCOSITY:            49.0 S
PH:                   11.0
FLUID LOSS:            6.0 C3
SOURCE OF SAMPLE:     FLOWLINE
RM:                     .682 OHMM AT 20.0 DEGC
RMF:                    .627 OHMM AT 17.0 DEGC
RMC:                    .980 OHMM AT 16.0 DEGC
SOURCE RMF/RMC:       PRESS /PRESS
RM AT BHT:              .282 OHMM AT 79.0 DEGC
RMF AT BHT:             .240 OHMM AT 79.0 DEGC
RMC AT BHT:             .366 OHMM AT 79.0 DEGC

TIME CIRC. STOPPED:   00:30 19/07
TIME LOGGER ON BTM.:  08:40 19/07

MAX. REC. TEMP:        79.0 DEGC

LOGGING UNIT NO:        65
LOGGING UNIT LOC:     SEA
RECORDED BY:          OLIVIER BOUBE
WITNESSED BY:         B WHEELER
```

REMARKS:

ALL CURVES RECORDED WITH ZERO FILTERING.
TOOL STRING RUN WITH NO STAND-OFF,CNT ECCENTRALIZED WITH BOW-SPRING.
COMPATIBLE LIMESTONE SCALE FOR DENSITY AND NEUTRON,
HOLE CORRECTION SET ON BIT-SIZE (CLIENT REQUEST).
IHV : PIPS ON LEFT-EDGE DEPTH TRACK = 10 CU.FT.
TENSION RECORDED IN TRACK 3.
THERMOMETERS READING : 79-79 DEG.C.

5 cm

EQUIPMENT NUMBERS-

```
TCM-AB 16        TCC-A 296        SGC-SA 383        CNC-HA 360
CNB-AB 3021      NSC-D 1735       DRS-C 2952        PDH-L 997
PGD-G 987        GSR-J 6158
```

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.

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    CP 28.15            FILE   15       19-JUL-85 10:39
                        DATA ACQUIRED         NA


               AFTER SURVEY TOOL CHECK SUMMARY

  PERFORMED:    19-JUL-85 10:31
  PROGRAM FILE: LEP    (VERSION    28.15   85/01/03)

LDTC                      TOOL  CHECK

        DRS SONDE NUMBER                         :    2952
        NUCLEAR SERVICE CARTRIDGE NUMBER         :    1735
        POWERED DETECTOR HOUSING NUMBER          :    997
        POWERED GAMMA-GAMMA DETECTOR NUMBER      :    987
        LDT LOGGING SOURCE NUMBER                :    6158
        LDT CALIBRATION MODE                     :    WATE
        MUD DENSITY                              :    8.90000   LB/G

            BACKGROUND MEASURED
            BEFORE        AFTER        UNITS
     LL     17.65         17.67         CPS
     LU     68.06         68.31         CPS
     LS     51.71         51.84         CPS
   LITH      5.343         5.16         CPS
    SS1     14.46         14.57         CPS
    SS2      9.937         9.92         CPS

CNTH                      TOOL  CHECK

                     JIG
              BEFORE       AFTER
  NRAT        2.165        2.152

  POROSITY CHANGE  (LIME):  -.001

    CP 28.15            FILE   14       19-JUL-85 10:31
```

```
EVENT MARK SUMMARY:

OUTPUT   INTERVAL        DEPTH TRACK
         BETWEEN PIPS    EDGE

IHV      10.0000 F3      LEFT EDGE
```

```
                                                  TENS(LB  )
                                               10000.            0.0
                                                  DRHO(G/C3)
                                               -.2500         .25000
       BS  (IN  )                             PEF
10.000          20.000     0.0                                10.000
      CALI(IN  )                              NPHI
10.000          20.000     .45000                             -.1500
       GR  (GAPI)                             RHOB(G/C3)
0.0             150.00     1.8500                             2.8500
```

CP 28.15   FILE   12   19-JUL-85 09:52

CP 28.15   FILE   12   19-JUL-85 09:24

```
                                                  TENS(LB  )
                                               10000.            0.0
                                                  DRHO(G/C3)
                                               -.2500         .25000
       BS  (IN  )                             PEF
10.000          20.000     0.0                                10.000
      CALI(IN  )                              NPHI
10.000          20.000     .45000                             -.1500
       GR  (GAPI)                             RHOB(G/C3)
0.0             150.00     1.8500                             2.8500
```

```
                SENSOR MEASURE POINT TO TOOL ZERO

        STSG  -.27 METER                   GR     9.83 METER
        NCNL  7.24 METER                   FCNL  7.24 METER
        LITH   .78 METER                   SCNL  -.27 METER
        LS     .78 METER                   LL     .78 METER
        SS1    .63 METER                   LU     .78 METER
        CALI   .81 METER                   SS2    .63 METER
        NRAT  7.24 METER                   TENS  -.27 METER
```

```
                          PARAMETERS

      NAME  VALUE       UNIT              NAME  VALUE       UNIT

      BHT  161.000      DEGF              TD    1986.00     M
      PSNR 2.28500                        SHT   80.0000     DEGF
      MATR LIME                           HC    BS
      MDEN 2.71000      G/C3              FD    1.00000     G/C3
      BFM  LIQU                           WMUD  8.90000     LB/G
      BHS  OPEN                           DHC   BS
      BS   12.2500      IN
```

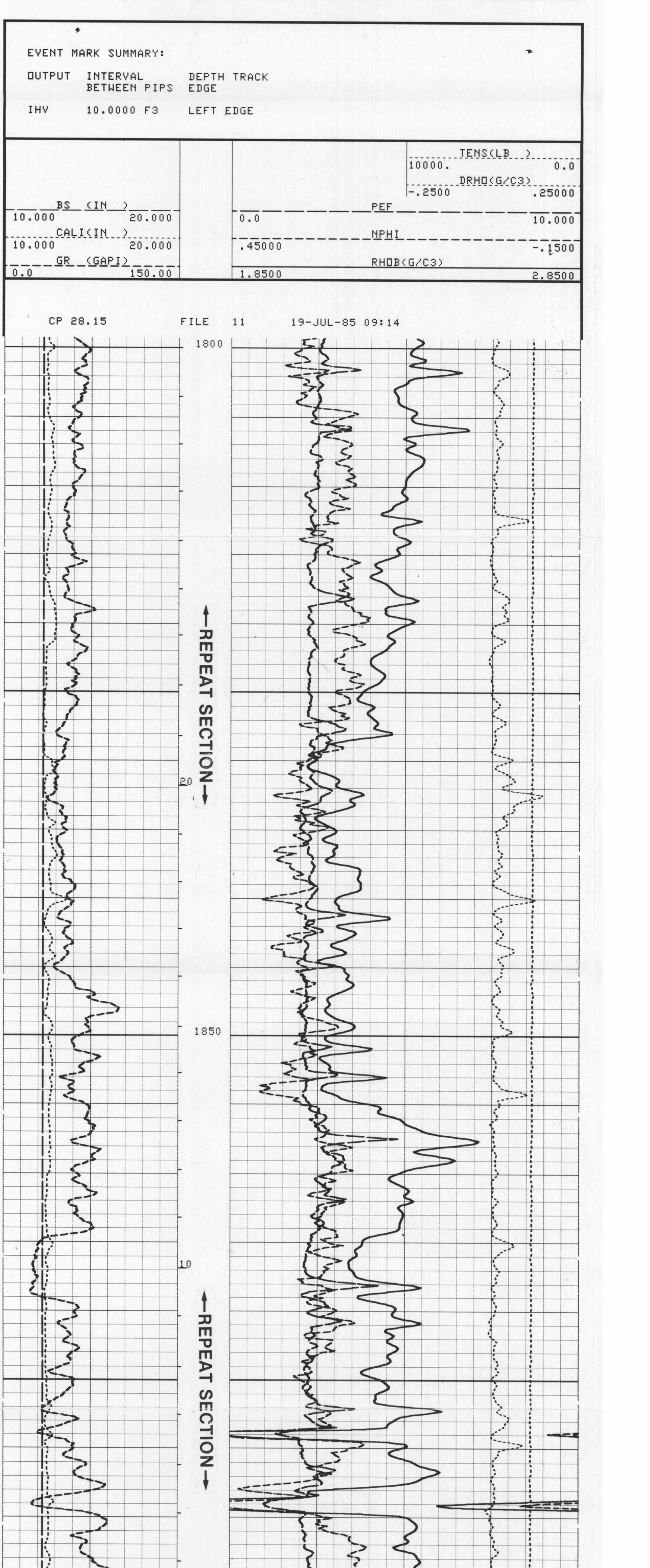
```
EVENT MARK SUMMARY:

OUTPUT   INTERVAL        DEPTH TRACK
         BETWEEN PIPS    EDGE

IHV      10.0000 F3      LEFT EDGE
```

```
                                                  TENS(LB  )
                                               10000.            0.0
                                                  DRHO(G/C3)
                                               -.2500         .25000
       BS  (IN  )                             PEF
10.000          20.000     0.0                                10.000
      CALI(IN  )                              NPHI
10.000          20.000     .45000                             -.1500
       GR  (GAPI)                             RHOB(G/C3)
0.0             150.00     1.8500                             2.8500
```

CP 28.15   FILE   11   19-JUL-85 09:14



CP 28.15   FILE   11   19-JUL-85 09:03

```
                                                  TENS(LB  )
                                               10000.            0.0
                                                  DRHO(G/C3)
                                               -.2500         .25000
       BS  (IN  )                             PEF
10.000          20.000     0.0                                10.000
      CALI(IN  )                              NPHI
10.000          20.000     .45000                             -.1500
       GR  (GAPI)                             RHOB(G/C3)
0.0             150.00     1.8500                             2.8500
```

```
                SENSOR MEASURE POINT TO TOOL ZERO

        STSG  -.27 METER                   GR     9.83 METER
        NCNL  7.24 METER                   FCNL  7.24 METER
        LITH   .78 METER                   SCNL  -.27 METER
        LS     .78 METER                   LL     .78 METER
        SS1    .63 METER                   LU     .78 METER
        CALI   .81 METER                   SS2    .63 METER
        NRAT  7.24 METER                   TENS  -.27 METER
```

```
                          PARAMETERS

      NAME  VALUE       UNIT              NAME  VALUE       UNIT

      BHT  161.000      DEGF              TD    1986.00     M
      PSNR 2.28500                        SHT   80.0000     DEGF
      MATR LIME                           HC    BS
      MDEN 2.71000      G/C3              FD    1.00000     G/C3
      BFM  LIQU                           WMUD  8.90000     LB/G
      BHS  OPEN                           DHC   BS
      BS   12.2500      IN
```

```
              BEFORE SURVEY CALIBRATION SUMMARY

  PERFORMED:    19-JUL-85 08:50
  PROGRAM FILE: LEP    (VERSION    28.15   85/01/03)

SGTL                 DETECTOR CALIBRATION SUMMARY

                  MEASURED
               BKGD     JIG          CALIBRATED          UNITS
     GR          6      170             165               GAPI

LDTC                 DETECTOR CALIBRATION SUMMARY

        DRS SONDE NUMBER                         :    2952
        NUCLEAR SERVICE CARTRIDGE NUMBER         :    1735
        POWERED DETECTOR HOUSING NUMBER          :    997
        POWERED GAMMA-GAMMA DETECTOR NUMBER      :    987
        LDT LOGGING SOURCE NUMBER                :    6158
        LDT CALIBRATION MODE                     :    WATE
        MUD DENSITY                              :    8.00000   LB/G

             M E A S U R E D
           BKGD   AL+FE     AL   UNITS
     LL    17.6    79.7    90.7   CPS
     LU    68.0   121.1   137.5   CPS
     LS    51.7   140.5   159.5   CPS
   LITH     5.3    32.7    51.1   CPS
    SS1    14.4   163.7   186.7   CPS
    SS2     9.9   238.6   268.0   CPS

CNTH                 DETECTOR CALIBRATION SUMMARY

               TANK                            JIG
           INPUT  CALIBRATED          MEASURED    CALIBRATED
  NRAT     2.28500  2.158               2.292       2.165

LDTC                 CALIPER CALIBRATION SUMMARY

              MEASURED                      CALIBRATED
           SMALL    LARGE              SMALL      LARGE         UNITS
  CALI     6.89     11.1               8.00       12.0           IN

    CP 28.15            FILE   10       19-JUL-85 08:50
```

```
                 SHOP SUMMARY

  PERFORMED:    13-JUL-85 19:28
  PROGRAM FILE: CCSHOP (VERSION    28.15   85/01/03)

LDTC                 DETECTOR CALIBRATION SUMMARY

        DRS SONDE NUMBER                         :    2952
        NUCLEAR SERVICE CARTRIDGE NUMBER         :    1735
        POWERED DETECTOR HOUSING NUMBER          :    997
        POWERED GAMMA-GAMMA DETECTOR NUMBER      :    987
        LDT LOGGING SOURCE NUMBER                :    6158
        LDT CALIBRATION MODE                     :    WATE
        MUD DENSITY                              :    8.00000   LB/G

           MASTER  CALIBRATED
           BKGD   AL+FE     AL   UNITS
     LL    17.7    79.8    90.8   CPS
     LU    68.3   121.2   137.6   CPS
     LS    52.0   140.5   159.6   CPS
   LITH     5.2    32.8    51.2   CPS
    SS1    14.6   163.8   186.8   CPS
    SS2     9.9   238.7   268.0   CPS

           SPECTRUM QUALITY RATIOS
  QRLS       .6603
  QRSS       .6972
  QRLI       .3210
  QLIR      1.3721
  QR         .9962

    CP 28.15            FILE    9       13-JUL-85 19:27
```

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                 SHOP SUMMARY

  PERFORMED:    16-JUL-85 17:48
  PROGRAM FILE: CCSHOP (VERSION    28.15   85/01/03)

CNTH                 DETECTOR CALIBRATION SUMMARY

              TANK                             JIG
        MEASURED  CALIBRATED          MEASURED    CALIBRATED
  NRAT     2.285      2.158              2.289        2.161

                 (CNC:360 , CNB:3021)

    CP 28.15            FILE   14       16-JUL-85 17:48
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5 cm