Schlumberger

# Verification Listing

**Listing Created:** 9−FEB−2008 12:49:31
**Version:** 15C0−309

**Input Source:** D:\OP_Folder\Clients\Esso2008\FLA_A20a\FLA A20a Ener_MPBT\Dlis\Gun Shooting Pass_024LUP.DLIS
**Format:** DLIS
**Storage Set ID:** Default Storage Set
**Max Record Length:** 8192
**Storage Unit Sequence:** 1

## File Header File: **PERFO_024LUP** Sequence: **24**

### Defining Origin: 111

File ID: PERFO_024LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 23 4−FEB−2008 18:29:05

Company Name: Esso Australia Pty Ltd.
Well Name: A−20a
Field Name: Flounder
Tool String: MWP_GUN, MWPT−CA, MWGT−A
Computations: WELLCAD, BORDYN

## Error Summary File: **PERFO_024LUP** Sequence: **24**

No errors detected in file.

## Well Site Data File: **PERFO_024LUP** Sequence: **24**

### Origin: 111

#### Well Data

| | | | |
|---|---|---|---|
| Company Name | Esso Australia Pty Ltd. | | CN |
| Well Name | A−20a | | WN |
| Field Name | Flounder | | FN |
| Rig: | Mast | | CLAB, COUN |
| State: | Victoria | | SLAB, STAT |
| Nation | Australia | | NATI |
| Field Location | Gippsland | | FL |
| | Basin | | FL1 |
| | Bass Strait | | FL2 |
| Service Order Number | AUSL07336278 | | SON |
| Longitude | 148* 26' 21.748"E | | LONG |
| Latitude | 38* 18' 39.245"S | | LATI |
| Maximum Hole Deviation | 49.0 (deg) | | MHD |
| Elevation of Kelly Bushing | 33.8 (m) | | EKB |
| Elevation of Ground Level | −93.0 (m) | | EGL |
| Elevation of Derrick Floor | 33.8 (m) | | EDF |
| Permanent Datum | M.S.L | Elevation of Permanent Datum 0.0 (m) | PDAT, EPD |
| Log Measured From | K.B | Above Permanent Datum 33.8 (m) | LMF, APD |
| Drilling Measured From | K.B | | DMF |

Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN

#### Job Data

| | | | |
|---|---|---|---|
| Date as Month−Day−Year | 4−Feb−2008 | | DATE |
| Run Number | 1 through 6 | | RUN |
| Total Depth − Driller | 2789.0 (m) | | TDD |
| Total Depth − Logger | 2747.0 (m) | | TDL |
| Bottom Log Interval | 2663.0 (m) | | BLI |
| Top Log Interval | 2658.0 (m) | | TLI |
| Current Casing Size | 7.00 (in) | | CSIZ |
| Casing Depth From | 13.8 (m) | | CDF |
| Casing Depth To | 2770.0 (m) | | CADT |
| Casing Grade | N−80 | | CASG |
| Casing Weight | 26.0 (lbm/ft) | | CWEI |
| Bit Size | 8.50 (in) | | BS |
| Bit Size Depth From | 804.0 (m) | | BSDF |
| Bit Size Depth To | 2789.0 (m) | | BSDT |
| Date Logger At Bottom | 4−Feb−2008 | Time Logger At Bottom 11:00 | DLAB, TLAB |
| Logging Unit Number | 889 | Logging Unit Location Prod 4 / AUSL | LUN, LUL |
| Engineer's Name | S Gilbert / C.Rowand | | ENGI |
| Witness's Name | B White / J.DiGiouanni | | WITN |
| Service Order Number | AUSL07336278 | | SON |

#### Mud Data

## Mud Data

| | | | |
|---|---|---|---|
| Drilling Fluid Type | Production Fluids | | DFT |
| Maximum Recorded Temperature | 229.0 (degF) | | MRT |
| | 230.0 (degF) | | MRT1 |
| Date Logger At Bottom | 4−Feb−2008 | Time Logger At Bottom 11:00 | DLAB, TLAB |

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS

## PVT Data

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

## Cement Data

| | | |
|---|---|---|
| Cement Job Type | Primary | CJT |

Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

## Remarks

| | |
|---|---|
| Log correlated to ExxonMobil Solar Composite Log supplied with logging program. | R1 |
| Objectives: Perforate intervals 2658−2659.7, 2661.4−2663 m MDKB using 2−1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT. | R2 |
| Set a 7" Posiset plug with top of seal at 2675 m MDKB then dump approximately 1m of cement on top. | R3 |
| GOC @ 1677m MDKB, OWC @ 2199m MDKB. Tagged HUD @ 2747 m MDKB. | R4 |
| Perforation interval: Gun#1 2658−2659.7, GUN#2 − 2661.4−2663m MDKB. | R5 |
| Gun#1 CCL to top shot = 3.5 m Gun#2 CCL Top Shot = 6.8m | R6 |
| Gun#1 CCL Stop Depth = 2654.6 m MDKB Gun#2 CCL Stop Depth = 2654.6m | R7 |
| Before gun shot: SBHT = 230.7 degF SBHP = 3113.0 psia | R8 |
| After gun shot: SBHT = 230.6 degF SBHP = 3105.3 psia | R9 |
| Top of seal @ 2675 m MDKB | R11 |
| CCL to top of seal = 7.07 m | R12 |
| CCL Stop Depth: 2667.93m MDKB | R13 |
| Dump Bailers: | R14 |
| CCL to bottom of bailer = 11m | R15 |
| 2 cement runs were made with 1−11/16", 32ft long dump bailers. | R16 |
| Schlumberger crews: P.Lawerence, Z Casey, G Martin, C Shiells | R17 |

## Other Services

None OS1

# Channels

File: **PERFO_024LUP** Sequence: **24**

### Origin: 111

#### MWPT−CA: MEASUREMENT WHILE PERFORATING TOOL

**Spacing:** −6.0 in **Number of Channels:** 30

CERN CSGP DPRE DTEM ESGP ETIM FSS HV MTES MWPS PERN PSGP RCSR RDB1
RDB2 RHV RSGF RSGP RSGT RTEF RTEMP_MWPT SERN SGP SGPA SGPT STAT SYNCQ
TAMF TEMP_MWPT TERN

**Spacing:** −1.0 in **Number of Channels:** 5

AGC CCL CCL_COR FCCL RCCL

#### MWGT−AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL

**Spacing:** −6.0 in **Number of Channels:** 2

GR RGR

#### System and Miscellaneous

**Spacing:** −6.0 in **Number of Channels:** 10

BHPR BS CS CVEL GTEM TDEP TENS TIME TOD7_DL TOJ_DL

**Spacing:** −1.0 in **Number of Channels:** 6

IDWD SCCL SCD SCDV TDEP;1 TIME;1

# Frame Summary

File: **PERFO_024LUP** Sequence: **24**

### Origin: 111

| Index Type | Start | Stop | Spacing | Channels | Index Channel | Frame Name |
|---|---|---|---|---|---|---|
| BOREHOLE−DEPTH | 2684.98 m | 2595.83 m | −60.0 (0.1 in) up | 42 | TDEP | 60B |
| | 8809.00 ft | 8516.50 ft | | | | |
| BOREHOLE−DEPTH | 2684.98 m | 2595.85 m | −10.0 (0.1 in) up | 11 | TDEP;1 | 10B |
| | 8809.00 | 8516.58 ft | | | | |