

**Input Source:** D:\OP\_Folder\Clients\Essco\_2009\BMA\_A27A\GUN\COMP\_BMA\_A27A\_COMP\_068.DLIS  
**Format:** DLIS  
**Storage Set ID:** Default Storage Set

**Max Record Length:** 8192  
**Storage Unit Sequence:** 1

**File Header** File: **RST\_PSP\_012PUP** Sequence: **1**

**Defining Origin: 87**

File ID: RST\_PSP\_012PUP File Type: PLAYBACK

Producer Name: Schlumberger

Product/Version: OP 16C0-147

File Set: 41

File Number: 11

24-FEB-2009 11:40:00

Company Name: Esso Australia Pty Ltd.

Well Name: A-27a

Field Name: Bream A

Tool String: RST-C, PSPT-B

Computations: WELLCAD, BORDYN

**Error Summary** File: **RST\_PSP\_012PUP** Sequence: **1**

No errors detected in file.

**Well Site Data** File: **RST\_PSP\_012PUP** Sequence: **1**

**Origin: 87**

**Well Data**

|                            |                         |            |
|----------------------------|-------------------------|------------|
| Company Name               | Esso Australia Pty Ltd. | CN         |
| Well Name                  | A-27a                   | WN         |
| Field Name                 | Bream A                 | FN         |
| Rig:                       | Prod4 / Crane           | CLAB, COUN |
| State:                     | Victoria                | SLAB, STAT |
| Nation                     | Australia               | NATI       |
| Field Location             | Gippsland               | FL         |
|                            | Basin                   | FL1        |
|                            | Bass Strait             | FL2        |
| Service Order Number       | AYCW-00001              | SON        |
| Longitude                  | 147 46'15"E             | LONG       |
| Latitude                   | 038 30'04"S             | LATI       |
| Maximum Hole Deviation     | 67.0 (deg)              | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                | EKB        |
| Elevation of Ground Level  | -59.0 (m)               | EGL        |
| Elevation of Derrick Floor | 33.5 (m)                | EDF        |
| Permanent Datum            | M.S.L                   | PDAT, EPD  |
| Log Measured From          | D.F                     | LMF, APD   |
| Drilling Measured From     | D.F                     | DMF        |

Elevation of Permanent Datum 0.0 (m)

Above Permanent Datum 33.5 (m)

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

**Job Data**

|                        |               |            |
|------------------------|---------------|------------|
| Date as Month-Day-Year | 23-Feb-2009   | DATE       |
| Run Number             | 1 through 6   | RUN        |
| Total Depth - Driller  | 3527.0 (m)    | TDD        |
| Total Depth - Logger   | 3527.0 (m)    | TDL        |
| Bottom Log Interval    | 3490.0 (m)    | BLI        |
| Top Log Interval       | 2100.0 (m)    | TLI        |
| Current Casing Size    | 4.50 (in)     | CSIZ       |
| Casing Depth From      | 2097.0 (m)    | CDF        |
| Casing Depth To        | 3557.0 (m)    | CADT       |
| Casing Grade           | 13CR          | CASG       |
| Casing Weight          | 38.6 (lbm/ft) | CWEI       |
| Bit Size               | 8.00 (in)     | BS         |
| Bit Size Depth From    | 1345.0 (m)    | BSDF       |
| Bit Size Depth To      | 3557.0 (m)    | BSDT       |
| Date Logger At Bottom  | 23-Feb-2009   | DLAB, TLAB |
| Logging Unit Number    | 889           | LUN, LUL   |
| Engineer's Name        | S Gilbert.    | ENGI       |
| Witness's Name         | B White       | WITN       |
| Service Order Number   | AYCW-00001    | SON        |

**Mud Data**

|   |  |                              |                            |            |
|---|--|------------------------------|----------------------------|------------|
| <b>Mud Data</b>   |  | Drilling Fluid Type          | Production Fluids          | DFT        |
|   |  | Maximum Recorded Temperature | 206.0 (degF)               | MRT        |
|   |  |                              | 206.0 (degF)               | MRT1       |
|   |  | Date Logger At Bottom        | 23-Feb-2009                | DLAB, TLAB |
|   |  |                              | Time Logger At Bottom 8:30 |            |
| Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS |  |                              |                            |            |
| <b>PVT Data</b>   |  |                              |                            |            |
| Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR   |  |                              |                            |            |
| <b>Cement Data</b>  |  | Cement Job Type              | Primary                    | CJT        |
| Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA                              |  |                              |                            |            |
| <b>Remarks</b>  |  |                              |                            |            |
| Log correlated to ExxonMobil composite supplied with logging program.   |  |                              |                            | R1         |
| Maximum well deviation = 67deg @ 1380m MDKB.  |  |                              |                            | R2         |
| Objectives: RST-C Sigma survey from 3490m m to 3430m MDKB. Making two passes at 900 ft/hr.                                  |  |                              |                            | R3         |
| Following this survey the well will be re-perforated and watered out zone plugged off with a 4.5" MPBT plug.                |  |                              |                            | R4         |
| The Sum of the two Casing weights 26lb/ft and 12.6lb/ft were used for the RST casing Wiegth in the Parameters               |  |                              |                            | R5         |
| RST SURVEY --- SBHP = psia. SBHT = degf. HUD= m MDKB  |  |                              |                            | R6         |
| New Perforation Zone = m to m MDKB  |  |                              |                            | R7         |
| Top Shot @ m MDKB   |  |                              |                            | R8         |
| CCL to Top Shot = m   |  |                              |                            | R9         |
| CCL Stop Depth = m MDKB   |  |                              |                            | R10        |
| 4.5" Posiset Plug top of Seal Set @ m MDKB  |  |                              |                            | R11        |
| CCL to Top of Seal = m  |  |                              |                            | R12        |
| CCL stop Depth = m MDKB   |  |                              |                            | R13        |
| 1m of Cement dumped in 1 Run.   |  |                              |                            | R14        |
| Crew : C Shiells , N Simmons  |  |                              |                            | R17        |
| <b>Other Services</b>   |  | None                         |                            | OS1        |

| Frame Summary        |          |             |                   |          |               |            |
|----------------------|----------|-------------|-------------------|----------|---------------|------------|
| File: RST_PSP_012PUP |          | Sequence: 1 |                   |          |               |            |
| Origin: 87           |          |             |                   |          |               |            |
| Index Type           | Start    | Stop        | Spacing           | Channels | Index Channel | Frame Name |
| BOREHOLE-DEPTH       | 3511.30  | 3413.00 m   | -60.0 (0.1 in) up | 168      | TDEP          | 60B        |
|                      | 11520.00 | 11197.50 ft |                   |          |               |            |
| BOREHOLE-DEPTH       | 3511.30  | 3413.18 m   | -10.0 (0.1 in) up | 7        | TDEP;1        | 10B        |
|                      | 11520.00 | 11198.08 ft |                   |          |               |            |

|   |                         |                              |                      |
|---|-------------------------|------------------------------|----------------------|
| <b>File Header</b>                            |                         | File: <b>RST_PSP_015PUP</b>  | Sequence: <b>2</b>   |
| <b>Defining Origin: 87</b>                    |                         |                              |                      |
| File ID: RST_PSP_015PUP   File Type: PLAYBACK |                         |                              |                      |
| Producer Name: Schlumberger                   |                         | Product/Version: OP 16C0-147 | File Set: 41         |
|   |                         | File Number: 14              | 24-FEB-2009 12:13:11 |
| Company Name:                                 | Esso Australia Pty Ltd. |                              |                      |
| Well Name:                                    | A-27a                   |                              |                      |
| Field Name:                                   | Bream A                 |                              |                      |
| Tool String:                                  | RST-C, PSPT-E           |                              |                      |
| Computations:                                 | WELLCAD, BORDYN         |                              |                      |

|                             |  |                      |             |
|-----------------------------|--|----------------------|-------------|
| <b>Error Summary</b>        |  | File: RST_PSP_015PUP | Sequence: 2 |
| No errors detected in file. |  |                      |             |

|                       |  |                      |             |
|-----------------------|--|----------------------|-------------|
| <b>Well Site Data</b> |  | File: RST_PSP_015PUP | Sequence: 2 |
| <b>Origin: 87</b>     |  |                      |             |

## Well Data

|                            |                                      |            |
|----------------------------|--------------------------------------|------------|
| Company Name               | Esso Australia Pty Ltd.              | CN         |
| Well Name                  | A-27a                                | WN         |
| Field Name                 | Bream A                              | FN         |
| Rig:                       | Prod4 / Crane                        | CLAB, COUN |
| State:                     | Victoria                             | SLAB, STAT |
| Nation                     | Australia                            | NATI       |
| Field Location             | Gippsland                            | FL         |
|                            | Basin                                | FL1        |
|                            | Bass Strait                          | FL2        |
| Service Order Number       | AYCW-00001                           | SON        |
| Longitude                  | 147 46'15"E                          | LONG       |
| Latitude                   | 038 30'04"S                          | LATI       |
| Maximum Hole Deviation     | 67.0 (deg)                           | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                             | EKB        |
| Elevation of Ground Level  | -59.0 (m)                            | EGL        |
| Elevation of Derrick Floor | 33.5 (m)                             | EDF        |
| Permanent Datum            | M.S.L                                | PDAT, EPD  |
| Log Measured From          | D.F                                  | LMF, APD   |
| Drilling Measured From     | D.F                                  | DMF        |
|                            | Elevation of Permanent Datum 0.0 (m) |            |
|                            | Above Permanent Datum 33.5 (m)       |            |

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

## Job Data

|                        |                                    |            |
|------------------------|------------------------------------|------------|
| Date as Month-Day-Year | 23-Feb-2009                        | DATE       |
| Run Number             | 1 through 6                        | RUN        |
| Total Depth - Driller  | 3527.0 (m)                         | TDD        |
| Total Depth - Logger   | 3527.0 (m)                         | TDL        |
| Bottom Log Interval    | 3490.0 (m)                         | BLI        |
| Top Log Interval       | 2100.0 (m)                         | TLI        |
| Current Casing Size    | 4.50 (in)                          | CSIZ       |
| Casing Depth From      | 2097.0 (m)                         | CDF        |
| Casing Depth To        | 3557.0 (m)                         | CADT       |
| Casing Grade           | 13CR                               | CASG       |
| Casing Weight          | 38.6 (lbm/ft)                      | CWEI       |
| Bit Size               | 8.00 (in)                          | BS         |
| Bit Size Depth From    | 1345.0 (m)                         | BSDF       |
| Bit Size Depth To      | 3557.0 (m)                         | BSDT       |
| Date Logger At Bottom  | 23-Feb-2009                        | DLAB, TLAB |
| Logging Unit Number    | 889                                | LUN, LUL   |
| Engineer's Name        | S Gilbert.                         | ENGI       |
| Witness's Name         | B White                            | WITN       |
| Service Order Number   | AYCW-00001                         | SON        |
|                        | Time Logger At Bottom 8:30         |            |
|                        | Logging Unit Location Prod4 / Ausl |            |

## Mud Data

|                              |                            |            |
|------------------------------|----------------------------|------------|
| Drilling Fluid Type          | Production Fluids          | DFT        |
| Maximum Recorded Temperature | 206.0 (degF)               | MRT        |
|                              | 206.0 (degF)               | MRT1       |
| Date Logger At Bottom        | 23-Feb-2009                | DLAB, TLAB |
|                              | Time Logger At Bottom 8:30 |            |

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 composite supplied with logging program.   | R1  |
| Maximum well deviation = 67deg @ 1380m MDKB.  | R2  |
| Objectives: RST-C Sigma survey from 3490m m to 3430m MDKB. Making two passes at 900 ft/hr.                    | R3  |
| Following this survey the well will be re-perforated and watered out zone plugged off with a 4.5" MPBT plug.  | R4  |
| The Sum of the two Casing weights 26lb/ft and 12.6lb/ft were used for the RST casing Wieght in the Parameters | R5  |
| RST SURVEY -- SBHP = psia. SBHT = degf. HUD= m MDKB   | R6  |
| New Perforation Zone = m to m MDKB  | R7  |
| Top Shot @ m MDKB   | R8  |
| CCL to Top Shot = m   | R9  |
| CCL Stop Depth = m MDKB   | R10 |
| 4.5" Posiset Plug top of Seal Set @ m MDKB  | R11 |
| CCL to Top of Seal = m  | R12 |
| CCL stop Depth = m MDKB   | R13 |
| 1m of Cement dumped in 1 Run.   | R14 |
| Crew : C Shiells , N Simmons  | R17 |

## Other Services

|      |     |
|------|-----|
| None | OS1 |
|------|-----|

## Sequence: 2

**Origin: 87**

| <u>Index Type</u> | <u>Start</u> | <u>Stop</u> | <u>Spacing</u>    | <u>Channels</u> | <u>Index Channel</u> | <u>Frame Name</u> |
|-------------------|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| BOREHOLE-DEPTH    | 3507.79      | 3414.52 m   | -60.0 (0.1 in) up | 128             | TDEP                 | 60B               |
|                   | 11508.50     | 11202.50 ft |                   |                 |                      |                   |
| BOREHOLE-DEPTH    | 3507.79      | 3414.70 m   | -10.0 (0.1 in) up | 7               | TDEP;1               | 10B               |
|                   | 11508.50     | 11203.08 ft |                   |                 |                      |                   |

## Sequence: 3

## Defining Origin: 87

File ID: RST\_PSP\_016LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 16C0-147

File Set: 41

File Number: 15

24-FEB-2009 12:15:06

Company Name: Esso Australia Pty Ltd.

Well Name:

A-27a

Field Name: Bream A

Tool String: RST-C, PSPT-B

Computations: WELLCAD, BORDYN

## Sequence: 3

No errors detected in file.

## Sequence: 3

**Origin: 87**

## Well Data

|                            |                         |            |
|----------------------------|-------------------------|------------|
| Company Name               | Esso Australia Pty Ltd. | CN         |
| Well Name                  | A-27a                   | WN         |
| Field Name                 | Bream A                 | FN         |
| Rig:                       | Prod4 / Crane           | CLAB, COUN |
| State:                     | Victoria                | SLAB, STAT |
| Nation                     | Australia               | NATI       |
| Field Location             | Gippsland               | FL         |
|                            | Basin                   | FL1        |
|                            | Bass Strait             | FL2        |
| Service Order Number       | AYCW-00001              | SON        |
| Longitude                  | 147 46'15"E             | LONG       |
| Latitude                   | 038 30'04"S             | LATI       |
| Maximum Hole Deviation     | 67.0 (deg)              | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                | EKB        |
| Elevation of Ground Level  | -59.0 (m)               | EGL        |
| Elevation of Derrick Floor | 33.5 (m)                | EDF        |
| Permanent Datum            | M.S.L                   | PDAT, EPD  |
| Log Measured From          | D.F                     | LMF, APD   |
| Drilling Measured From     | D.F                     | DMF        |

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

## Job Data

|                        |               |      |
|------------------------|---------------|------|
| Date as Month-Day-Year | 23-Feb-2009   | DATE |
| Run Number             | 1 through 6   | RUN  |
| Total Depth – Driller  | 3527.0 (m)    | TDD  |
| Total Depth – Logger   | 3527.0 (m)    | TDL  |
| Bottom Log Interval    | 3490.0 (m)    | BLI  |
| Top Log Interval       | 2100.0 (m)    | TLI  |
| Current Casing Size    | 4.50 (in)     | CSIZ |
| Casing Depth From      | 2097.0 (m)    | CDF  |
| Casing Depth To        | 3557.0 (m)    | CADT |
| Casing Grade           | 13CR          | CASG |
| Casing Weight          | 38.6 (lbm/ft) | CWEI |
| Bit Size               | 8.00 (in)     | BS   |

Bit Size Depth From1345.0 (m)Bit Size Depth To3557.0 (m)Date Logger At Bottom23-Feb-2009Logging Unit Number889Engineer's NameS Gilbert.Witness's NameB WhiteService Order NumberAYCW-00001

Time Logger At Bottom8:30Logging Unit LocationProd4 / Ausl

BSDFBSDTDLAB, TLABLUN, LULENGIWITNSON

Mud Data

Drilling Fluid TypeProduction FluidsMaximum Recorded Temperature206.0 (degF)206.0 (degF)Date Logger At Bottom23-Feb-2009Time Logger At Bottom8:30

DFTMRTMRT1DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFP, 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 TypePrimary

CJT

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

Remarks

Log correlated to ExxonMobil composite supplied with logging program.  
Maximum well deviation = 67deg @ 1380m MDKB.  
Objectives: RST-C Sigma survey from 3490m m to 3430m MDKB. Making two passes at 900 ft/hr.  
Following this survey the well will be re-perforated and watered out zone plugged off with a 4.5" MPBT plug.  
The Sum of the two Casing weights 26lb/ft and 12.6lb/ft were used for the RST casing Wieght in the Parameters  
RST SURVEY -- SBHP = psia. SBHT = degf. HUD= m MDKB  
New Perforation Zone = m to m MDKB  
Top Shot @ m MDKB  
CCL to Top Shot = m  
CCL Stop Depth = m MDKB  
4.5" Posiset Plug top of Seal Set @ m MDKB  
CCL to Top of Seal = m  
CCL stop Depth = m MDKB  
1m of Cement dumped in 1 Run.  
Crew : C Shiells , N Simmons

R1R2R3R4R5R6R7R8R9R10R11R12R13R14R17

Other Services

None

OS1

|  |          |             |                   |          |               |            |
|--|----------|-------------|-------------------|----------|---------------|------------|
| Frame Summary      File: RST_PSP_016LUP      Sequence: 3 |          |             |                   |          |               |            |
| Origin: 87   |          |             |                   |          |               |            |
| Index Type   | Start    | Stop        | Spacing           | Channels | Index Channel | Frame Name |
| BOREHOLE-DEPTH   | 3500.93  | 3414.37 m   | -60.0 (0.1 in) up | 128      | TDEP          | 60B        |
|  | 11486.00 | 11202.00 ft |                   |          |               |            |
| BOREHOLE-DEPTH   | 3500.93  | 3414.40 m   | -10.0 (0.1 in) up | 7        | TDEP;1        | 10B        |
|  | 11486.00 | 11202.08 ft |                   |          |               |            |

File Header

File: PERFO\_029LUP      Sequence: 4

Defining Origin: 106

File ID: PERFO\_029LUP    File Type: DEPTH LOG

Producer Name: Schlumberger      Product/Version: OP 16C0-147      File Set: 41      File Number: 28      25-FEB-2009 12:06:30

Company Name:    Esso Australia Pty Ltd.  
Well Name:        A-27a  
Field Name:        Bream A  
Tool String:       MWP\_GUN, MWPT-CA, MWGT-AA  
Computations:     WELLCAD, BORDYN

|  |  |
|--|--|
| Error Summary      File: PERFO_029LUP      Sequence: 4 |  |
| No errors detected in file.                            |  |

Well Site Data

File: PERFO\_029LUP      Sequence: 4

Origin: 106

Well Data

Company Name:    Esso Australia Pty Ltd.

CN

|                                      |                         |            |
|--------------------------------------|-------------------------|------------|
| Company Name                         | Esso Australia Pty Ltd. | CN         |
| Well Name                            | A-27a                   | WN         |
| Field Name                           | Bream A                 | FN         |
| Rig:                                 | Prod4 / Crane           | CLAB, COUN |
| State:                               | Victoria                | SLAB, STAT |
| Nation                               | Australia               | NATI       |
| Field Location                       | Gippsland               | FL         |
|                                      | Basin                   | FL1        |
|                                      | Bass Strait             | FL2        |
| Service Order Number                 | AYCW-00001              | SON        |
| Longitude                            | 147 46'15"E             | LONG       |
| Latitude                             | 038 30'04"S             | LATI       |
| Maximum Hole Deviation               | 67.0 (deg)              | MHD        |
| Elevation of Kelly Bushing           | 33.5 (m)                | EKB        |
| Elevation of Ground Level            | -59.0 (m)               | EGL        |
| Elevation of Derrick Floor           | 33.5 (m)                | EDF        |
| Permanent Datum                      | M.S.L                   | PDAT, EPD  |
| Log Measured From                    | D.F                     | LMF, APD   |
| Drilling Measured From               | D.F                     | DMF        |
| Elevation of Permanent Datum 0.0 (m) |                         |            |
| Above Permanent Datum 33.5 (m)       |                         |            |

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

Job Data

|                        |               |                                    |            |
|------------------------|---------------|------------------------------------|------------|
| Date as Month-Day-Year | 24-Feb-2009   |                                    | DATE       |
| Run Number             | 1 through 6   |                                    | RUN        |
| Total Depth - Driller  | 3527.0 (m)    |                                    | TDD        |
| Total Depth - Logger   | 3527.0 (m)    |                                    | TDL        |
| Bottom Log Interval    | 3490.0 (m)    |                                    | BLI        |
| Top Log Interval       | 2100.0 (m)    |                                    | TLI        |
| Current Casing Size    | 4.50 (in)     |                                    | CSIZ       |
| Casing Depth From      | 2097.0 (m)    |                                    | CDF        |
| Casing Depth To        | 3557.0 (m)    |                                    | CADT       |
| Casing Grade           | 13CR          |                                    | CASG       |
| Casing Weight          | 38.6 (lbm/ft) |                                    | CWEI       |
| Bit Size               | 8.00 (in)     |                                    | BS         |
| Bit Size Depth From    | 1345.0 (m)    |                                    | BSDF       |
| Bit Size Depth To      | 3557.0 (m)    |                                    | BSDT       |
| Date Logger At Bottom  | 24-Feb-2009   | Time Logger At Bottom 11:00        | DLAB, TLAB |
| Logging Unit Number    | 889           | Logging Unit Location Prod4 / Ausl | LUN, LUL   |
| Engineer's Name        | S Gilbert.    |                                    | ENGI       |
| Witness's Name         | B White       |                                    | WITN       |
| Service Order Number   | AYCW-00001    |                                    | SON        |

Mud Data

|                              |                   |                             |            |
|------------------------------|-------------------|-----------------------------|------------|
| Drilling Fluid Type          | Production Fluids |                             | DFT        |
| Maximum Recorded Temperature | 206.0 (degF)      |                             | MRT        |
|                              | 206.0 (degF)      |                             | MRT1       |
| Date Logger At Bottom        | 24-Feb-2009       | 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 composite supplied with logging program.   | R1  |
| Maximum well deviation = 67deg @ 1380m MDKB.  | R2  |
| Objectives: RST-C Sigma survey from 3490m m to 3430m MDKB. Making two passes at 900 ft/hr.                    | R3  |
| Following this survey the well will be re-perforated and watered out zone plugged off with a 4.5" MPBT plug.  | R4  |
| The Sum of the two Casing weights 26lb/ft and 12.6lb/ft were used for the RST casing Wieght in the Parameters | R5  |
| RST SURVEY -- SBHP = 2639 psia. & SBHT = 206.6 degf. @ 3572m MDKB   | R6  |
| New Perforation Zone = 3471m to 3472.5m MDKB  | R7  |
| Top Shot @ 3471 m MDKB  | R8  |
| CCL to Top Shot = 3.45 m  | R9  |
| CCL Stop Depth = 3467.55 m MDKB   | R10 |
| 4.5" Posiset Plug top of Seal Set @ 3478 m MDKB   | R11 |
| CCL to Top of Seal = m  | R12 |
| CCL stop Depth = m MDKB   | R13 |
| 1m of Cement dumped in 1 Run.   | R14 |
| Crew : C Shiells , N Simmons  | R17 |

Other Services

|      |     |
|------|-----|
| None | OS1 |
|------|-----|

Origin: 106

| Index Type     | Start    | Stop        | Spacing           | Channels | Index Channel | Frame Name |
|----------------|----------|-------------|-------------------|----------|---------------|------------|
| BOREHOLE-DEPTH | 3479.75  | 3446.98 m   | -60.0 (0.1 in) up | 22       | TDEP          | 60B        |
|                | 11416.50 | 11309.00 ft |                   |          |               |            |
| BOREHOLE-DEPTH | 3479.75  | 3447.01 m   | -10.0 (0.1 in) up | 10       | TDEP,1        | 10B        |
|                | 11416.50 | 11309.08 ft |                   |          |               |            |

File Header

File: PERFO\_030LUP Sequence: 5

Defining Origin: 106

File ID: PERFO\_030LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 16C0-147

File Set: 41

File Number: 29

25-FEB-2009 12:12:01

Company Name: Esso Australia Pty Ltd.

Well Name: A-27a

Field Name: Bream A

Tool String: MWP\_GUN, MWPT-CA, MWGT-AA

Computations: WELLCAD, BORDYN

Error Summary

File: PERFO\_030LUP Sequence: 5

No errors detected in file.

Well Site Data

File: PERFO\_030LUP Sequence: 5

Origin: 106

Well Data

|                            |                              |            |
|----------------------------|------------------------------|------------|
| Company Name               | Esso Australia Pty Ltd.      | CN         |
| Well Name                  | A-27a                        | WN         |
| Field Name                 | Bream A                      | FN         |
| Rig:                       | Prod4 / Crane                | CLAB, COUN |
| State:                     | Victoria                     | SLAB, STAT |
| Nation                     | Australia                    | NATI       |
| Field Location             | Gippsland                    | FL         |
|                            | Basin                        | FL1        |
|                            | Bass Strait                  | FL2        |
| Service Order Number       | AYCW-00001                   | SON        |
| Longitude                  | 147 46'15"E                  | LONG       |
| Latitude                   | 038 30'04"S                  | LATI       |
| Maximum Hole Deviation     | 67.0 (deg)                   | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                     | EKB        |
| Elevation of Ground Level  | -59.0 (m)                    | EGL        |
| Elevation of Derrick Floor | 33.5 (m)                     | EDF        |
| Permanent Datum            | M.S.L                        | PDAT, EPD  |
| Log Measured From          | D.F                          | LMF, APD   |
| Drilling Measured From     | D.F                          | DMF        |
|                            | Elevation of Permanent Datum | 0.0 (m)    |
|                            | Above Permanent Datum        | 33.5 (m)   |

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

Job Data

|                        |               |      |
|------------------------|---------------|------|
| Date as Month-Day-Year | 24-Feb-2009   | DATE |
| Run Number             | 1 through 6   | RUN  |
| Total Depth - Driller  | 3527.0 (m)    | TDD  |
| Total Depth - Logger   | 3527.0 (m)    | TDL  |
| Bottom Log Interval    | 3490.0 (m)    | BLI  |
| Top Log Interval       | 2100.0 (m)    | TLI  |
| Current Casing Size    | 4.50 (in)     | CSIZ |
| Casing Depth From      | 2097.0 (m)    | CDF  |
| Casing Depth To        | 3557.0 (m)    | CADT |
| Casing Grade           | 13CR          | CASG |
| Casing Weight          | 38.6 (lbm/ft) | CWEI |

Bit Size8.00 (in)Bit Size Depth From1345.0 (m)Bit Size Depth To3557.0 (m)Date Logger At Bottom24-Feb-2009Logging Unit Number889Engineer's NameS Gilbert.Witness's NameB WhiteService Order NumberAYCW-00001

Time Logger At Bottom11:00Logging Unit LocationProd4 / Ausl

BSBSDFBSDTDLAB, TLABLUN, LULENGIWITNSON

Mud Data

Drilling Fluid TypeProduction FluidsMaximum Recorded Temperature206.0 (degF)206.0 (degF)Date Logger At Bottom24-Feb-2009Time Logger At Bottom11:00

DFTMRTMRT1DLAB, 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 TypePrimary

CJT

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

Remarks

Log correlated to ExxonMobil composite supplied with logging program.  
Maximum well deviation = 67deg @ 1380m MDKB.  
Objectives: RST-C Sigma survey from 3490m m to 3430m MDKB. Making two passes at 900 ft/hr.  
Following this survey the well will be re-perforated and watered out zone plugged off with a 4.5" MPBT plug.  
The Sum of the two Casing weights 26lb/ft and 12.6lb/ft were used for the RST casing Wiegth in the Parameters  
RST SURVEY -- SBHP = 2639 psia. & SBHT = 206.6 degf. @ 3572m MDKB  
New Perforation Zone = 3471m to 3472.5m MDKB  
Top Shot @ 3471 m MDKB  
CCL to Top Shot = 3.45 m  
CCL Stop Depth = 3467.55 m MDKB  
4.5" Posiset Plug top of Seal Set @ 3478 m MDKB  
CCL to Top of Seal = m  
CCL stop Depth = m MDKB  
1m of Cement dumped in 1 Run.  
Crew : C Shiells , N Simmons

R1R2R3R4R5R6R7R8R9R10R11R12R13R14R17

Other Services

None

OS1

Frame Summary

File: PERFO\_030LUPSequence: 5

Origin: 106

| Index Type     | Start    | Stop        | Spacing           | Channels | Index Channel | Frame Name |
|----------------|----------|-------------|-------------------|----------|---------------|------------|
| BOREHOLE-DEPTH | 3477.31  | 3445.00 m   | -60.0 (0.1 in) up | 22       | TDEP          | 60B        |
|                | 11408.50 | 11302.50 ft |                   |          |               |            |
| BOREHOLE-DEPTH | 3477.31  | 3445.03 m   | -10.0 (0.1 in) up | 10       | TDEP,1        | 10B        |
|                | 11408.50 | 11302.58 ft |                   |          |               |            |

File Header

File: PERFO\_031LTPSequence: 6

Defining Origin: 106

File ID: PERFO\_031LTPFile Type: STATION

Producer Name: SchlumbergerProduct/Version: OP 16C0-147File Set: 41File Number: 3025-FEB-2009 12:16:24

Company Name: Esso Australia Pty Ltd.  
Well Name: A-27a  
Field Name: Bream A  
Tool String: MWP\_GUN, MWPT-CA, MWGT-AA  
Computations: WELLCAD, BORDYN

Error Summary

File: PERFO\_031LTPSequence: 6

No screen data loaded in file



**Well Site Data**File: **PERFO\_031LTP** Sequence: **6****Origin: 106****Well Data**

|                            |                                      |            |
|----------------------------|--------------------------------------|------------|
| Company Name               | Esso Australia Pty Ltd.              | CN         |
| Well Name                  | A-27a                                | WN         |
| Field Name                 | Bream A                              | FN         |
| Rig:                       | Prod4 / Crane                        | CLAB, COUN |
| State:                     | Victoria                             | SLAB, STAT |
| Nation                     | Australia                            | NATI       |
| Field Location             | Gippsland                            | FL         |
|                            | Basin                                | FL1        |
|                            | Bass Strait                          | FL2        |
| Service Order Number       | AYCW-00001                           | SON        |
| Longitude                  | 147 46'15"E                          | LONG       |
| Latitude                   | 038 30'04"S                          | LATI       |
| Maximum Hole Deviation     | 67.0 (deg)                           | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                             | EKB        |
| Elevation of Ground Level  | -59.0 (m)                            | EGL        |
| Elevation of Derrick Floor | 33.5 (m)                             | EDF        |
| Permanent Datum            | M.S.L                                | PDAT, EPD  |
| Log Measured From          | D.F                                  | LMF, APD   |
| Drilling Measured From     | D.F                                  | DMF        |
|                            | Elevation of Permanent Datum 0.0 (m) |            |
|                            | Above Permanent Datum 33.5 (m)       |            |

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

**Job Data**

|                        |                                    |            |
|------------------------|------------------------------------|------------|
| Date as Month-Day-Year | 24-Feb-2009                        | DATE       |
| Run Number             | 1 through 6                        | RUN        |
| Total Depth - Driller  | 3527.0 (m)                         | TDD        |
| Total Depth - Logger   | 3527.0 (m)                         | TDL        |
| Bottom Log Interval    | 3490.0 (m)                         | BLI        |
| Top Log Interval       | 2100.0 (m)                         | TLI        |
| Current Casing Size    | 4.50 (in)                          | CSIZ       |
| Casing Depth From      | 2097.0 (m)                         | CDF        |
| Casing Depth To        | 3557.0 (m)                         | CADT       |
| Casing Grade           | 13CR                               | CASG       |
| Casing Weight          | 38.6 (lbm/ft)                      | CWEI       |
| Bit Size               | 8.00 (in)                          | BS         |
| Bit Size Depth From    | 1345.0 (m)                         | BSDF       |
| Bit Size Depth To      | 3557.0 (m)                         | BSDT       |
| Date Logger At Bottom  | 24-Feb-2009                        | DLAB, TLAB |
| Logging Unit Number    | 889                                | LUN, LUL   |
| Engineer's Name        | S Gilbert.                         | ENGI       |
| Witness's Name         | B White                            | WITN       |
| Service Order Number   | AYCW-00001                         | SON        |
|                        | Time Logger At Bottom 11:00        |            |
|                        | Logging Unit Location Prod4 / Ausl |            |

**Mud Data**

|                              |                             |            |
|------------------------------|-----------------------------|------------|
| Drilling Fluid Type          | Production Fluids           | DFT        |
| Maximum Recorded Temperature | 206.0 (degF)                | MRT        |
|                              | 206.0 (degF)                | MRT1       |
| Date Logger At Bottom        | 24-Feb-2009                 | DLAB, TLAB |
|                              | Time Logger At Bottom 11:00 |            |

Absent Valued Parameters: DFD, DFV, DFL, DFP, 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 composite supplied with logging program.   | R1  |
| Maximum well deviation = 67deg @ 1380m MDKB.  | R2  |
| Objectives: RST-C Sigma survey from 3490m m to 3430m MDKB. Making two passes at 900 ft/hr.                    | R3  |
| Following this survey the well will be re-perforated and watered out zone plugged off with a 4.5" MPBT plug.  | R4  |
| The Sum of the two Casing weights 26lb/ft and 12.6lb/ft were used for the RST casing Weight in the Parameters | R5  |
| RST SURVEY --- SBHP = 2639 psia. & SBHT = 206.6 degf. @ 3572m MDKB  | R6  |
| New Perforation Zone = 3471m to 3472.5m MDKB  | R7  |
| Top Shot @ 3471 m MDKB  | R8  |
| CCL to Top Shot = 3.45 m  | R9  |
| CCL Stop Depth = 3467.55 m MDKB   | R10 |
| 4.5" Posiset Plug top of Seal Set @ 3478 m MDKB   | R11 |
| CCL to Top of Seal = m  | R12 |

|                               |     |
|-------------------------------|-----|
| CCL to Top of Seal = m        | R12 |
| CCL stop Depth = m MDKB       | R13 |
| 1m of Cement dumped in 1 Run. | R14 |
| Crew : C Shiells , N Simmons  | R17 |
| Other Services                |     |
| None                          | OS1 |

|                   |              |                    |                 |                 |                      |                   |
|-------------------|--------------|--------------------|-----------------|-----------------|----------------------|-------------------|
| Frame Summary     |              | File: PERFO_031LTP | Sequence: 6     |                 |                      |                   |
| Origin: 106       |              |                    |                 |                 |                      |                   |
| <u>Index Type</u> | <u>Start</u> | <u>Stop</u>        | <u>Spacing</u>  | <u>Channels</u> | <u>Index Channel</u> | <u>Frame Name</u> |
| TIME              | 3528.28      | 5042.27 s          | 2000.0 (0.5 ms) | 7               | TIME;2               | 2000T             |
| TIME              | 3528.28      | 5042.27 s          | 1000.0 (0.5 ms) | 14              | TIME;4               | 1000T             |
| TIME              | 3528.28      | 5042.27 s          | 500.0 (0.5 ms)  | 4               | TIME;5               | 500T              |

|                             |                              |                      |
|-----------------------------|------------------------------|----------------------|
| File Header                 | File: PERFO_038PUP           | Sequence: 7          |
| Defining Origin: 12         |                              |                      |
| File ID: PERFO_038PUP       | File Type: PLAYBACK          |                      |
| Producer Name: Schlumberger | Product/Version: OP 16C0-147 | File Set: 41         |
|                             |                              | File Number: 37      |
|                             |                              | 25-FEB-2009 15:29:26 |
| Company Name:               | Esso Australia Pty Ltd.      |                      |
| Well Name:                  | A-27a                        |                      |
| Field Name:                 | Bream A                      |                      |
| Tool String:                | MWPT-CA, MWGT-AA             |                      |
| Computations:               | WELLCAD, BORDYN              |                      |

|                             |                    |             |
|-----------------------------|--------------------|-------------|
| Error Summary               | File: PERFO_038PUP | Sequence: 7 |
| No errors detected in file. |                    |             |

|   |                         |             |
|---|-------------------------|-------------|
| Well Site Data  | File: PERFO_038PUP      | Sequence: 7 |
| Origin: 12  |                         |             |
| Well Data   |                         |             |
| Company Name  | Esso Australia Pty Ltd. | CN          |
| Well Name   | A-27a                   | WN          |
| Field Name  | Bream A                 | FN          |
| Rig:  | Prod4 / Crane           | CLAB, COUN  |
| State:  | Victoria                | SLAB, STAT  |
| Nation  | Australia               | NATI        |
| Field Location  | Gippsland               | FL          |
|   | Basin                   | FL1         |
|   | Bass Strait             | FL2         |
| Service Order Number  | AYCW-00001              | SON         |
| Longitude   | 147 46'15"E             | LONG        |
| Latitude  | 038 30'04"S             | LATI        |
| Maximum Hole Deviation                                      | 67.0 (deg)              | MHD         |
| Elevation of Kelly Bushing                                  | 33.5 (m)                | EKB         |
| Elevation of Ground Level                                   | -59.0 (m)               | EGL         |
| Elevation of Derrick Floor                                  | 33.5 (m)                | EDF         |
| Permanent Datum   | M.S.L                   | PDAT, EPD   |
| Log Measured From   | D.F                     | LMF, APD    |
| Drilling Measured From                                      | D.F                     | DMF         |
| Elevation of Permanent Datum 0.0 (m)                        |                         |             |
| Above Permanent Datum 33.5 (m)                              |                         |             |
| Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN |                         |             |

|                        |               |      |
|------------------------|---------------|------|
| Job Data               |               |      |
| Date as Month-Day-Year | 24-Feb-2009   | DATE |
| Run Number             | 1 through 6   | RUN  |
| Total Depth - Driller  | 3527.0 (m)    | TDD  |
| Total Depth - Logger   | 3527.0 (m)    | TDL  |
| Bottom Log Interval    | 3490.0 (m)    | BLI  |
| Top Log Interval       | 2100.0 (m)    | TLI  |
| Current Casing Size    | 4.50 (in)     | CSIZ |
| Casing Depth From      | 2097.0 (m)    | CDF  |
| Casing Depth To        | 3557.0 (m)    | CADT |
| Casing Grade           | 13CR          | CASG |
| Casing Weight          | 38.6 (lbm/ft) | CWEI |
| Bit Size               | 8.00 (in)     | BS   |
| Bit Size Depth From    | 1345.0 (m)    | BSDF |
| Bit Size Depth To      | 3557.0 (m)    | BSDT |

Bit Size Depth (m)  
Date Logger At Bottom  
Logging Unit Number  
Engineer's Name  
Witness's Name  
Service Order Number

24-Feb-2009  
889  
S Gilbert.  
B White  
AYCW-00001

Time Logger At Bottom  
Logging Unit Location

11:00  
Prod4 / Ausl

DLAB, TLAB  
LUN, LUL  
ENGI  
WITN  
SON

Mud Data

Drilling Fluid Type  
Maximum Recorded Temperature  
206.0 (degF)  
206.0 (degF)

Production Fluids  
DFT  
MRT  
MRT1

Date Logger At Bottom  
24-Feb-2009

Time Logger At Bottom  
11:00

DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPB, 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 composite supplied with logging program.  
Maximum well deviation = 67deg @ 1380m MDKB.  
Objectives: RST-C Sigma survey from 3490m m to 3430m MDKB. Making two passes at 900 ft/hr.  
Following this survey the well will be re-perforated and watered out zone plugged off with a 4.5" MPBT plug.  
The Sum of the two Casing weights 26lb/ft and 12.6lb/ft were used for the RST casing Wiegth in the Parameters  
RST SURVEY -- SBHP = 2639 psia. & SBHT = 206.6 degf. @ 3572m MDKB  
New Perforation Zone = 3471m to 3472.5m MDKB  
Top Shot @ 3471 m MDKB  
CCL to Top Shot = 3.45 m  
CCL Stop Depth = 3467.55 m MDKB  
4.5" Posiset Plug top of Seal Set @ 3478 m MDKB  
CCL to Top of Seal = m  
CCL stop Depth = m MDKB  
1m of Cement dumped in 1 Run.  
Crew : C Shiells , N Simmons

R1  
R2  
R3  
R4  
R5  
R6  
R7  
R8  
R9  
R10  
R11  
R12  
R13  
R14  
R17

Other Services

None

OS1

| Frame Summary      File: PERFO_038PUP      Sequence: 7 |              |             |                   |                 |                      |                   |
|--|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| Origin: 12   |              |             |                   |                 |                      |                   |
| <u>Index Type</u>                                      | <u>Start</u> | <u>Stop</u> | <u>Spacing</u>    | <u>Channels</u> | <u>Index Channel</u> | <u>Frame Name</u> |
| BOREHOLE-DEPTH   | 3538.12      | 3297.48 m   | -60.0 (0.1 in) up | 22              | TDEP                 | 60B               |
|  | 11608.00     | 10818.50 ft |                   |                 |                      |                   |
| BOREHOLE-DEPTH   | 3538.12      | 3297.66 m   | -10.0 (0.1 in) up | 10              | TDEP;1               | 10B               |
|  | 11608.00     | 10819.08 ft |                   |                 |                      |                   |

File Header

File: MPBT\_056LUP      Sequence: 8

Defining Origin: 51

File ID: MPBT\_056LUP    File Type: DEPTH LOG

Producer Name: Schlumberger      Product/Version: OP 16C0-147      File Set: 41      File Number: 55      26-FEB-2009 8:05:58

Company Name:    Esso Australia Pty Ltd.

Well Name:        A-27a

Field Name:       Bream A

Tool String:      MPEX-AA, MPSU-BA, CCL-PCC

Computations:    WELLCAD

Error Summary

File: MPBT\_056LUP      Sequence: 8

Origin: 51

Well Data

|                            |                         |                                      |            |
|----------------------------|-------------------------|--------------------------------------|------------|
| Company Name               | Esso Australia Pty Ltd. |                                      | CN         |
| Well Name                  | A-27a                   |                                      | WN         |
| Field Name                 | Bream A                 |                                      | FN         |
| Rig:                       | Prod4 / Crane           |                                      | CLAB, COUN |
| State:                     | Victoria                |                                      | SLAB, STAT |
| Nation                     | Australia               |                                      | NATI       |
| Field Location             | Gippsland               |                                      | FL         |
|                            | Basin                   |                                      | FL1        |
|                            | Bass Strait             |                                      | FL2        |
| Service Order Number       | AYCW-00001              |                                      | SON        |
| Longitude                  | 147 46'15"E             |                                      | LONG       |
| Latitude                   | 038 30'04"S             |                                      | LATI       |
| Maximum Hole Deviation     | 67.0 (deg)              |                                      | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                |                                      | EKB        |
| Elevation of Ground Level  | -59.0 (m)               |                                      | EGL        |
| Elevation of Derrick Floor | 33.5 (m)                |                                      | EDF        |
| Permanent Datum            | M.S.L                   | Elevation of Permanent Datum 0.0 (m) | PDAT, EPD  |
| Log Measured From          | D.F                     | Above Permanent Datum 33.5 (m)       | LMF, APD   |
| Drilling Measured From     | D.F                     |                                      | DMF        |

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

Job Data

|                        |               |                                    |            |
|------------------------|---------------|------------------------------------|------------|
| Date as Month-Day-Year | 24-Feb-2009   |                                    | DATE       |
| Run Number             | 1 through 6   |                                    | RUN        |
| Total Depth - Driller  | 3527.0 (m)    |                                    | TDD        |
| Total Depth - Logger   | 3527.0 (m)    |                                    | TDL        |
| Bottom Log Interval    | 3490.0 (m)    |                                    | BLI        |
| Top Log Interval       | 2100.0 (m)    |                                    | TLI        |
| Current Casing Size    | 4.50 (in)     |                                    | CSIZ       |
| Casing Depth From      | 2097.0 (m)    |                                    | CDF        |
| Casing Depth To        | 3557.0 (m)    |                                    | CADT       |
| Casing Grade           | 13CR          |                                    | CASG       |
| Casing Weight          | 38.6 (lbm/ft) |                                    | CWEI       |
| Bit Size               | 8.00 (in)     |                                    | BS         |
| Bit Size Depth From    | 1345.0 (m)    |                                    | BSDF       |
| Bit Size Depth To      | 3557.0 (m)    |                                    | BSDT       |
| Date Logger At Bottom  | 24-Feb-2009   | Time Logger At Bottom 11:00        | DLAB, TLAB |
| Logging Unit Number    | 889           | Logging Unit Location Prod4 / Ausl | LUN, LUL   |
| Engineer's Name        | S Gilbert.    |                                    | ENGI       |
| Witness's Name         | B White       |                                    | WITN       |
| Service Order Number   | AYCW-00001    |                                    | SON        |

Mud Data

|                              |                   |                             |            |
|------------------------------|-------------------|-----------------------------|------------|
| Drilling Fluid Type          | Production Fluids |                             | DFT        |
| Maximum Recorded Temperature | 208.0 (degF)      |                             | MRT        |
|                              | 208.0 (degF)      |                             | MRT1       |
| Date Logger At Bottom        | 24-Feb-2009       | 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 composite supplied with logging program.   | R1  |
| Maximum well deviation = 67deg @ 1380m MDKB.  | R2  |
| Objectives: RST-C Sigma survey from 3490m m to 3430m MDKB. Making two passes at 900 ft/hr.                    | R3  |
| Following this survey the well will be re-perforated and watered out zone plugged off with a 4.5" MPBT plug.  | R4  |
| The Sum of the two Casing weights 26lb/ft and 12.6lb/ft were used for the RST casing Wieght in the Parameters | R5  |
| RST SURVEY -- SBHP = 2639 psia. & SBHT = 206.6 degf. @ 3572m MDKB   | R6  |
| New Perforation Zone = 3471m to 3472.5m MDKB  | R7  |
| Top Shot @ 3471 m MDKB  | R8  |
| CCL to Top Shot = 3.45 m  | R9  |
| CCL Stop Depth = 3467.55 m MDKB   | R10 |
| 4.5" Posiset Plug top of Seal Set @ 3478 m MDKB   | R11 |

R12  
R13  
R14  
R15  
R17

None OS1

**Origin: 51**

| <u>Index Type</u> | <u>Start</u> | <u>Stop</u> | <u>Spacing</u>    | <u>Channels</u> | <u>Index Channel</u> | <u>Frame Name</u> |
|-------------------|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| BOREHOLE-DEPTH    | 3500.17      | 3461.92 m   | -60.0 (0.1 in) up | 7               | TDEP                 | 60B               |
|                   | 11483.50     | 11358.00 ft |                   |                 |                      |                   |
| BOREHOLE-DEPTH    | 3500.17      | 3461.94 m   | -10.0 (0.1 in) up | 7               | TDEP;1               | 10B               |
|                   | 11483.50     | 11358.08 ft |                   |                 |                      |                   |

## Defining Origin: 51

Producer Name: Schlumberger      Product/Version: OP 16C0-147      File Set: 41      File Number: 56      26-FEB-2009 8:20:17

Product/Version: OP 16C0-147

File Set: 41

File Number: 56

26-FEB-2009 8:20:17

Company Name: Esso Australia Pty Ltd.

Well Name: A-27a

Field Name: Bream A

Tool String: MPEX-AA, MPSU-BA, CCL-PCC

Computations: WELLCAD

No errors detected in file.

**Origin: 51**

|                            |                         |            |
|----------------------------|-------------------------|------------|
| Company Name               | Esso Australia Pty Ltd. | CN         |
| Well Name                  | A-27a                   | WN         |
| Field Name                 | Bream A                 | FN         |
| Rig:                       | Prod4 / Crane           | CLAB, COUN |
| State:                     | Victoria                | SLAB, STAT |
| Nation                     | Australia               | NATI       |
| Field Location             | Gippsland               | FL         |
|                            | Basin                   | FL1        |
|                            | Bass Strait             | FL2        |
| Service Order Number       | AYCW-00001              | SON        |
| Longitude                  | 147 46'15"E             | LONG       |
| Latitude                   | 038 30'04"S             | LATI       |
| Maximum Hole Deviation     | 67.0 (deg)              | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                | EKB        |
| Elevation of Ground Level  | -59.0 (m)               | EGL        |
| Elevation of Derrick Floor | 33.5 (m)                | EDF        |
| Permanent Datum            | M.S.L                   | PDAT, EPD  |
| Log Measured From          | D.F                     | LMF, APD   |
| Drilling Measured From     | D.F                     | DMF        |

## Job Data

|                        |             |      |
|------------------------|-------------|------|
| Date as Month–Day–Year | 24–Feb–2009 | DATE |
| Run Number             | 1 through 6 | RUN  |
| Total Depth – Driller  | 3527.0 (m)  | TDD  |
| Total Depth – Logger   | 3527.0 (m)  | TDL  |
| Bottom Log Interval    | 3490.0 (m)  | BLI  |

|  |                   |                       |              |            |
|--|-------------------|-----------------------|--------------|------------|
| Top Log Interval   | 2100.0 (m)        |                       |              | TLI        |
| Current Casing Size  | 4.50 (in)         |                       |              | CSIZ       |
| Casing Depth From  | 2097.0 (m)        |                       |              | CDF        |
| Casing Depth To  | 3557.0 (m)        |                       |              | CADT       |
| Casing Grade   | 13CR              |                       |              | CASG       |
| Casing Weight  | 38.6 (lbm/ft)     |                       |              | CWEI       |
| Bit Size   | 8.00 (in)         |                       |              | BS         |
| Bit Size Depth From  | 1345.0 (m)        |                       |              | BSDF       |
| Bit Size Depth To  | 3557.0 (m)        |                       |              | BSDT       |
| Date Logger At Bottom  | 24-Feb-2009       | Time Logger At Bottom | 11:00        | DLAB, TLAB |
| Logging Unit Number  | 889               | Logging Unit Location | Prod4 / Ausl | LUN, LUL   |
| Engineer's Name  | S Gilbert.        |                       |              | ENGI       |
| Witness's Name   | B White           |                       |              | WITN       |
| Service Order Number   | AYCW-00001        |                       |              | SON        |
| <b>Mud Data</b>  |                   |                       |              |            |
| Drilling Fluid Type  | Production Fluids |                       |              | DFT        |
| Maximum Recorded Temperature   | 208.0 (degF)      |                       |              | MRT        |
|  | 208.0 (degF)      |                       |              | MRT1       |
| Date Logger At Bottom  | 24-Feb-2009       | Time Logger At Bottom | 11:00        | DLAB, TLAB |
| Absent Valued Parameters: DFD, DFV, DFL, DFP, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS |                   |                       |              |            |
| <b>PVT Data</b>  |                   |                       |              |            |
| Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR  |                   |                       |              |            |
| <b>Cement Data</b>   |                   |                       |              |            |
| Cement Job Type  | Primary           |                       |              | CJT        |
| Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA                             |                   |                       |              |            |
| <b>Remarks</b>   |                   |                       |              |            |
| Log correlated to ExxonMobil composite supplied with logging program.  |                   |                       |              | R1         |
| Maximum well deviation = 67deg @ 1380m MDKB.   |                   |                       |              | R2         |
| Objectives: RST-C Sigma survey from 3490m m to 3430m MDKB. Making two passes at 900 ft/hr.                                 |                   |                       |              | R3         |
| Following this survey the well will be re-perforated and watered out zone plugged off with a 4.5" MPBT plug.               |                   |                       |              | R4         |
| The Sum of the two Casing weights 26lb/ft and 12.6lb/ft were used for the RST casing Wiegth in the Parameters              |                   |                       |              | R5         |
| RST SURVEY -- SBHP = 2639 psia. & SBHT = 206.6 degf. @ 3572m MDKB  |                   |                       |              | R6         |
| New Perforation Zone = 3471m to 3472.5m MDKB   |                   |                       |              | R7         |
| Top Shot @ 3471 m MDKB   |                   |                       |              | R8         |
| CCL to Top Shot = 3.45 m   |                   |                       |              | R9         |
| CCL Stop Depth = 3467.55 m MDKB  |                   |                       |              | R10        |
| 4.5" Posiset Plug top of Seal Set @ 3478 m MDKB  |                   |                       |              | R11        |
| CCL to Top of Seal = 6.8 m   |                   |                       |              | R12        |
| CCL stop Depth = 3471.2 m MDKB   |                   |                       |              | R13        |
| 1m of Cement dumped in 1 Run.  |                   |                       |              | R14        |
| CCL to Bottom of Dump Bailer = 6m  |                   |                       |              | R15        |
| Crew : C Shiells , N Simmons   |                   |                       |              | R17        |
| <b>Other Services</b>  |                   |                       |              |            |
| None   |                   |                       |              | OS1        |

|  |              |             |                   |                 |                      |                   |
|--|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| <b>Frame Summary</b> File: <b>MPBT_057LUP</b> Sequence: <b>9</b> |              |             |                   |                 |                      |                   |
| <b>Origin: 51</b>  |              |             |                   |                 |                      |                   |
| <u>Index Type</u>  | <u>Start</u> | <u>Stop</u> | <u>Spacing</u>    | <u>Channels</u> | <u>Index Channel</u> | <u>Frame Name</u> |
| BOREHOLE-DEPTH   | 12192.00     | 11919.20 m  | -60.0 (0.1 in) up | 7               | TDEP                 | 60B               |
|  | 40000.00     | 39105.00 ft |                   |                 |                      |                   |
| BOREHOLE-DEPTH   | 12192.00     | 11919.23 m  | -10.0 (0.1 in) up | 4               | TDEP;1               | 10B               |
|  | 40000.00     | 39105.08 ft |                   |                 |                      |                   |

|   |                           |                              |  |              |                 |                     |
|---|---------------------------|------------------------------|--|--------------|-----------------|---------------------|
| <b>File Header</b> File: <b>MPBT_058LUP</b> Sequence: <b>10</b> |                           |                              |  |              |                 |                     |
| <b>Defining Origin: 51</b>                                      |                           |                              |  |              |                 |                     |
| File ID: MPBT_058LUP    File Type: DEPTH LOG                    |                           |                              |  |              |                 |                     |
| Producer Name: Schlumberger                                     |                           | Product/Version: OP 16C0-147 |  | File Set: 41 | File Number: 57 | 26-FEB-2009 8:39:02 |
| Company Name:   | Esso Australia Pty Ltd.   |                              |  |              |                 |                     |
| Well Name:  | A-27a                     |                              |  |              |                 |                     |
| Field Name:   | Bream A                   |                              |  |              |                 |                     |
| Tool String:  | MPEX-AA, MPSU-BA, CCL-PCC |                              |  |              |                 |                     |
| Computations:   | WELLCAD                   |                              |  |              |                 |                     |

|   |  |  |
|---|--|--|
| <b>Error Summary</b> File: <b>MPBT_058LUP</b> Sequence: <b>10</b> |  |  |
| No errors detected in file.                                       |  |  |

## Well Site Data

File: MPBT\_058LUP

Sequence: 10

## Origin: 51

## Well Data

|                            |                              |            |
|----------------------------|------------------------------|------------|
| Company Name               | Esso Australia Pty Ltd.      | CN         |
| Well Name                  | A-27a                        | WN         |
| Field Name                 | Bream A                      | FN         |
| Rig:                       | Prod4 / Crane                | CLAB, COUN |
| State:                     | Victoria                     | SLAB, STAT |
| Nation                     | Australia                    | NATI       |
| Field Location             | Gippsland                    | FL         |
|                            | Basin                        | FL1        |
|                            | Bass Strait                  | FL2        |
| Service Order Number       | AYCW-00001                   | SON        |
| Longitude                  | 147 46'15"E                  | LONG       |
| Latitude                   | 038 30'04"S                  | LATI       |
| Maximum Hole Deviation     | 67.0 (deg)                   | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                     | EKB        |
| Elevation of Ground Level  | -59.0 (m)                    | EGL        |
| Elevation of Derrick Floor | 33.5 (m)                     | EDF        |
| Permanent Datum            | M.S.L                        | PDAT, EPD  |
| Log Measured From          | D.F                          | LMF, APD   |
| Drilling Measured From     | D.F                          | DMF        |
|                            | Elevation of Permanent Datum | 0.0 (m)    |
|                            | Above Permanent Datum        | 33.5 (m)   |

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

## Job Data

|                        |                       |              |
|------------------------|-----------------------|--------------|
| Date as Month-Day-Year | 24-Feb-2009           | DATE         |
| Run Number             | 1 through 6           | RUN          |
| Total Depth - Driller  | 3527.0 (m)            | TDD          |
| Total Depth - Logger   | 3527.0 (m)            | TDL          |
| Bottom Log Interval    | 3490.0 (m)            | BLI          |
| Top Log Interval       | 2100.0 (m)            | TLI          |
| Current Casing Size    | 4.50 (in)             | CSIZ         |
| Casing Depth From      | 2097.0 (m)            | CDF          |
| Casing Depth To        | 3557.0 (m)            | CADT         |
| Casing Grade           | 13CR                  | CASG         |
| Casing Weight          | 38.6 (lbm/ft)         | CWEI         |
| Bit Size               | 8.00 (in)             | BS           |
| Bit Size Depth From    | 1345.0 (m)            | BSDF         |
| Bit Size Depth To      | 3557.0 (m)            | BSDT         |
| Date Logger At Bottom  | 24-Feb-2009           | DLAB, TLAB   |
| Logging Unit Number    | 889                   | LUN, LUL     |
| Engineer's Name        | S Gilbert.            | ENGI         |
| Witness's Name         | B White               | WITN         |
| Service Order Number   | AYCW-00001            | SON          |
|                        | Time Logger At Bottom | 11:00        |
|                        | Logging Unit Location | Prod4 / Ausl |

## Mud Data

|                              |                       |            |
|------------------------------|-----------------------|------------|
| Drilling Fluid Type          | Production Fluids     | DFT        |
| Maximum Recorded Temperature | 208.0 (degF)          | MRT        |
|                              | 208.0 (degF)          | MRT1       |
| Date Logger At Bottom        | 24-Feb-2009           | DLAB, TLAB |
|                              | Time Logger At Bottom | 11:00      |

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 composite supplied with logging program.   | R1  |
| Maximum well deviation = 67deg @ 1380m MDKB.  | R2  |
| Objectives: RST-C Sigma survey from 3490m m to 3430m MDKB. Making two passes at 900 ft/hr.                    | R3  |
| Following this survey the well will be re-perforated and watered out zone plugged off with a 4.5" MPBT plug.  | R4  |
| The Sum of the two Casing weights 26lb/ft and 12.6lb/ft were used for the RST casing Weight in the Parameters | R5  |
| RST SURVEY -- SBHP = 2639 psia. & SBHT = 206.6 degf. @ 3572m MDKB   | R6  |
| New Perforation Zone = 3471m to 3472.5m MDKB  | R7  |
| Top Shot @ 3471 m MDKB  | R8  |
| CCL to Top Shot = 3.45 m  | R9  |
| CCL Stop Depth = 3467.55 m MDKB   | R10 |
| 4.5" Posiset Plug top of Seal Set @ 3478 m MDKB   | R11 |
| CCL to Top of Seal = 6.8 m  | R12 |

R13  
R14  
R15  
R17

OS1

| <u>Index Type</u> | <u>Start</u> | <u>Stop</u> | <u>Spacing</u>    | <u>Channels</u> | <u>Index Channel</u> | <u>Frame Name</u> |
|-------------------|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| BOREHOLE-DEPTH    | 3471.06      | 3412.85 m   | -60.0 (0.1 in) up | 7               | TDEP                 | 60B               |
|                   | 11388.00     | 11197.00 ft |                   |                 |                      |                   |
| BOREHOLE-DEPTH    | 3471.06      | 3412.87 m   | -10.0 (0.1 in) up | 7               | TDEP;1               | 10B               |
|                   | 11388.00     | 11197.08 ft |                   |                 |                      |                   |

Company Name: Esso Australia Pty Ltd.  
Well Name: A-27a  
Field Name: Bream A  
Tool String: SHM\_GUN, CCL-L  
Computations: WELLCAD

No errors detected in file.

|                            |                         |            |
|----------------------------|-------------------------|------------|
| Company Name               | Esso Australia Pty Ltd. | CN         |
| Well Name                  | A-27a                   | WN         |
| Field Name                 | Bream A                 | FN         |
| Rig:                       | Prod4 / Crane           | CLAB, COUN |
| State:                     | Victoria                | SLAB, STAT |
| Nation                     | Australia               | NATI       |
| Field Location             | Gippsland               | FL         |
|                            | Basin                   | FL1        |
|                            | Bass Strait             | FL2        |
| Service Order Number       | AYCW-00001              | SON        |
| Longitude                  | 147 46'15"E             | LONG       |
| Latitude                   | 038 30'04"S             | LATI       |
| Maximum Hole Deviation     | 67.0 (deg)              | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                | EKB        |
| Elevation of Ground Level  | -59.0 (m)               | EGL        |
| Elevation of Derrick Floor | 33.5 (m)                | EDF        |
| Permanent Datum            | M.S.L                   | PDAT, EPD  |
| Log Measured From          | D.F                     | LMF, APD   |
| Drilling Measured From     | D.F                     | DMF        |

|                        |             |      |
|------------------------|-------------|------|
| Date as Month-Day-Year | 24-Feb-2009 | DATE |
| Run Number             | 1 through 6 | RUN  |
| Total Depth – Driller  | 3527.0 (m)  | TDD  |
| Total Depth – Logger   | 3527.0 (m)  | TDL  |
| Bottom                 | 3527.0 (m)  | BTM  |



|                       |               |                       |              |            |
|-----------------------|---------------|-----------------------|--------------|------------|
| Bottom Log Interval   | 3490.0 (m)    |                       |              | BL         |
| Top Log Interval      | 2100.0 (m)    |                       |              | TLI        |
| Current Casing Size   | 4.50 (in)     |                       |              | CSIZ       |
| Casing Depth From     | 2097.0 (m)    |                       |              | CDF        |
| Casing Depth To       | 3557.0 (m)    |                       |              | CADT       |
| Casing Grade          | 13CR          |                       |              | CASG       |
| Casing Weight         | 38.6 (lbm/ft) |                       |              | CWEI       |
| Bit Size              | 8.00 (in)     |                       |              | BS         |
| Bit Size Depth From   | 1345.0 (m)    |                       |              | BSDF       |
| Bit Size Depth To     | 3557.0 (m)    |                       |              | BSDT       |
| Date Logger At Bottom | 24-Feb-2009   | Time Logger At Bottom | 11:00        | DLAB, TLAB |
| Logging Unit Number   | 889           | Logging Unit Location | Prod4 / Ausl | LUN, LUL   |
| Engineer's Name       | S Gilbert.    |                       |              | ENGI       |
| Witness's Name        | B White       |                       |              | WITN       |
| Service Order Number  | AYCW-00001    |                       |              | SON        |

Mud Data

|   |                   |                       |       |            |
|---|-------------------|-----------------------|-------|------------|
| Drilling Fluid Type   | Production Fluids |                       |       | DFT        |
| Maximum Recorded Temperature  | 208.0 (degF)      |                       |       | MRT        |
|   | 208.0 (degF)      |                       |       | MRT1       |
| Date Logger At Bottom   | 24-Feb-2009       | 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 Job Type  | Primary |  |  | CJT |
| Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA |         |  |  |     |

Remarks

|   |     |
|---|-----|
| Log correlated to ExxonMobil composite supplied with logging program.   | R1  |
| Maximum well deviation = 67deg @ 1380m MDKB.  | R2  |
| Objectives: RST-C Sigma survey from 3490m m to 3430m MDKB. Making two passes at 900 ft/hr.                    | R3  |
| Following this survey the well will be re-perforated and watered out zone plugged off with a 4.5" MPBT plug.  | R4  |
| The Sum of the two Casing weights 26lb/ft and 12.6lb/ft were used for the RST casing Wieght in the Parameters | R5  |
| RST SURVEY -- SBHP = 2639 psia. & SBHT = 206.6 degf. @ 3572m MDKB   | R6  |
| New Perforation Zone = 3471m to 3472.5m MDKB  | R7  |
| Top Shot @ 3471 m MDKB  | R8  |
| CCL to Top Shot = 3.45 m  | R9  |
| CCL Stop Depth = 3467.55 m MDKB   | R10 |
| 4.5" Posiset Plug top of Seal Set @ 3478 m MDKB   | R11 |
| CCL to Top of Seal = 6.8 m  | R12 |
| CCL stop Depth = 3471.2 m MDKB  | R13 |
| 1m of Cement dumped in 1 Run.   | R14 |
| CCL to Bottom of Dump Bailer = 6m   | R15 |
| Crew : C Shiells , N Simmons  | R17 |

Other Services

|      |     |
|------|-----|
| None | OS1 |
|------|-----|

|               |                    |              |
|---------------|--------------------|--------------|
| Frame Summary | File: PERFO_064LUP | Sequence: 11 |
|---------------|--------------------|--------------|

| Origin: 82     |          |             |                   |          |               |            |
|----------------|----------|-------------|-------------------|----------|---------------|------------|
| Index Type     | Start    | Stop        | Spacing           | Channels | Index Channel | Frame Name |
| BOREHOLE-DEPTH | 3474.11  | 3443.48 m   | -60.0 (0.1 in) up | 7        | TDEP          | 60B        |
|                | 11398.00 | 11297.50 ft |                   |          |               |            |
| BOREHOLE-DEPTH | 3474.11  | 3443.50 m   | -10.0 (0.1 in) up | 7        | TDEP;1        | 10B        |
|                | 11398.00 | 11297.58 ft |                   |          |               |            |

|             |                    |              |
|-------------|--------------------|--------------|
| File Header | File: PERFO_067LUP | Sequence: 12 |
|-------------|--------------------|--------------|

|  |  |                              |  |              |                                      |
|--|--|------------------------------|--|--------------|--------------------------------------|
| Defining Origin: 82                        |  |                              |  |              |                                      |
| File ID: PERFO_067LUP File Type: DEPTH LOG |  |                              |  |              |                                      |
| Producer Name: Schlumberger                |  | Product/Version: OP 16C0-147 |  | File Set: 41 | File Number: 66 26-FEB-2009 13:08:53 |
| Company Name: Esso Australia Pty Ltd.      |  |                              |  |              |                                      |
| Well Name: A-27a                           |  |                              |  |              |                                      |
| Field Name: Bream A                        |  |                              |  |              |                                      |
| Tool String: SHM_GUN, CCL-L                |  |                              |  |              |                                      |
| Computations: WELLCAD                      |  |                              |  |              |                                      |

|                             |                           |                     |
|-----------------------------|---------------------------|---------------------|
| <b>Error Summary</b>        | File: <b>PERFO_067LUP</b> | Sequence: <b>12</b> |
| No errors detected in file. |                           |                     |

|                       |                           |                     |
|-----------------------|---------------------------|---------------------|
| <b>Well Site Data</b> | File: <b>PERFO_067LUP</b> | Sequence: <b>12</b> |
|-----------------------|---------------------------|---------------------|

Origin: 82

Well Data

|                            |                                      |            |
|----------------------------|--------------------------------------|------------|
| Company Name               | Esso Australia Pty Ltd.              | CN         |
| Well Name                  | A-27a                                | WN         |
| Field Name                 | Bream A                              | FN         |
| Rig:                       | Prod4 / Crane                        | CLAB, COUN |
| State:                     | Victoria                             | SLAB, STAT |
| Nation                     | Australia                            | NATI       |
| Field Location             | Gippsland                            | FL         |
|                            | Basin                                | FL1        |
|                            | Bass Strait                          | FL2        |
| Service Order Number       | AYCW-00001                           | SON        |
| Longitude                  | 147 46'15"E                          | LONG       |
| Latitude                   | 038 30'04"S                          | LATI       |
| Maximum Hole Deviation     | 67.0 (deg)                           | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                             | EKB        |
| Elevation of Ground Level  | -59.0 (m)                            | EGL        |
| Elevation of Derrick Floor | 33.5 (m)                             | EDF        |
| Permanent Datum            | M.S.L                                | PDAT, EPD  |
| Log Measured From          | D.F                                  | LMF, APD   |
| Drilling Measured From     | D.F                                  | DMF        |
|                            | Elevation of Permanent Datum 0.0 (m) |            |
|                            | Above Permanent Datum 33.5 (m)       |            |

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

Job Data

|                        |                                    |            |
|------------------------|------------------------------------|------------|
| Date as Month-Day-Year | 24-Feb-2009                        | DATE       |
| Run Number             | 1 through 6                        | RUN        |
| Total Depth - Driller  | 3527.0 (m)                         | TDD        |
| Total Depth - Logger   | 3527.0 (m)                         | TDL        |
| Bottom Log Interval    | 3490.0 (m)                         | BLI        |
| Top Log Interval       | 2100.0 (m)                         | TLI        |
| Current Casing Size    | 4.50 (in)                          | CSIZ       |
| Casing Depth From      | 2097.0 (m)                         | CDF        |
| Casing Depth To        | 3557.0 (m)                         | CADT       |
| Casing Grade           | 13CR                               | CASG       |
| Casing Weight          | 38.6 (lbm/ft)                      | CWEI       |
| Bit Size               | 8.00 (in)                          | BS         |
| Bit Size Depth From    | 1345.0 (m)                         | BSDF       |
| Bit Size Depth To      | 3557.0 (m)                         | BSDT       |
| Date Logger At Bottom  | 24-Feb-2009                        | DLAB, TLAB |
| Logging Unit Number    | 889                                | LUN, LUL   |
| Engineer's Name        | S Gilbert.                         | ENGI       |
| Witness's Name         | B White                            | WITN       |
| Service Order Number   | AYCW-00001                         | SON        |
|                        | Time Logger At Bottom 11:00        |            |
|                        | Logging Unit Location Prod4 / Ausl |            |

Mud Data

|                              |                             |            |
|------------------------------|-----------------------------|------------|
| Drilling Fluid Type          | Production Fluids           | DFT        |
| Maximum Recorded Temperature | 208.0 (degF)                | MRT        |
|                              | 208.0 (degF)                | MRT1       |
| Date Logger At Bottom        | 24-Feb-2009                 | DLAB, TLAB |
|                              | Time Logger At Bottom 11:00 |            |

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 composite supplied with logging program.   | R1 |
| Maximum well deviation = 67deg @ 1380m MDKB.  | R2 |
| Objectives: RST-C Sigma survey from 3490m m to 3430m MDKB. Making two passes at 900 ft/hr.                    | R3 |
| Following this survey the well will be re-perforated and watered out zone plugged off with a 4.5" MPBT plug.  | R4 |
| The Sum of the two Casing weights 26lb/ft and 12.6lb/ft were used for the RST casing Wieght in the Parameters | R5 |

RST SURVEY -- SBHP = 2639 psia. & SBHT = 206.6 degf. @ 3572m MDKB  
New Perforation Zone = 3471m to 3472.5m MDKB  
Top Shot @ 3471 m MDKB  
CCL to Top Shot = 3.45 m  
CCL Stop Depth = 3467.55 m MDKB  
4.5" Posiset Plug top of Seal Set @ 3478 m MDKB  
CCL to Top of Seal = 6.8 m  
CCL stop Depth = 3471.2 m MDKB  
1m of Cement dumped in 1 Run.  
CCL to Bottom of Dump Bailer = 6m  
Crew : C Shiells , N Simmons

R6  
R7  
R8  
R9  
R10  
R11  
R12  
R13  
R14  
R15  
R17

### Other Services

None OS1

## Frame Summary File: PERFO\_067LUP Sequence: 12

### Origin: 82

| <u>Index Type</u> | <u>Start</u> | <u>Stop</u> | <u>Spacing</u>    | <u>Channels</u> | <u>Index Channel</u> | <u>Frame Name</u> |
|-------------------|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| BOREHOLE-DEPTH    | 3474.57      | 3414.67 m   | -60.0 (0.1 in) up | 7               | TDEP                 | 60B               |
|                   | 11399.50     | 11203.00 ft |                   |                 |                      |                   |
| BOREHOLE-DEPTH    | 3474.57      | 3414.70 m   | -10.0 (0.1 in) up | 7               | TDEP;1               | 10B               |
|                   | 11399.50     | 11203.08 ft |                   |                 |                      |                   |



## Verification Listing

Listing Completed: 26-FEB-2009 13:24:25