

**Input Source:** D:\OP\_Folder\Clients\Essso\_Australia\BMA\_A-7\PLUG\COMP\_MWPT\_HPI\_COMP\_060.DLIS  
**Format:** DLIS  
**Storage Set ID:** Default Storage Set

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

**File Header** File: **PERFO\_015LUP** Sequence: **1**

**Defining Origin: 41**

File ID: PERFO\_015LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 14C0-302

File Set: 41

File Number: 14

4-FEB-2007 14:22:54

Company Name: Esso Australia Pty. Ltd.

Well Name: BMA A7

Field Name: Bream

Tool String: SHM\_GUN, PGGT-C

Computations: WELLCAD

**Error Summary** File: **PERFO\_015LUP** Sequence: **1**

No errors detected in file.

**Well Site Data** File: **PERFO\_015LUP** Sequence: **1**

**Origin: 41**

**Well Data**

|                            |                          |            |
|----------------------------|--------------------------|------------|
| Company Name               | Esso Australia Pty. Ltd. | CN         |
| Well Name                  | BMA A7                   | WN         |
| Field Name                 | Bream                    | FN         |
| Rig:                       | Prod 2 / ISS Rig 22      | CLAB, COUN |
| State:                     | Victoria                 | SLAB, STAT |
| Nation                     | Australia                | NATI       |
| Field Location             | Bass Strait              | FL         |
|                            | Gippsland                | FL1        |
|                            | Basin                    | FL2        |
| Longitude                  | 147° 46' 15.7"E          | LONG       |
| Latitude                   | 38° 30' 2.5"S            | LATI       |
| Maximum Hole Deviation     | 59.0 (deg)               | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                 | EKB        |
| Elevation of Ground Level  | -59.0 (m)                | EGL        |
| Elevation of Derrick Floor | 33.2 (m)                 | EDF        |
| Permanent Datum            | Mean Sea Level           | PDAT, EPD  |
| Log Measured From          | Drill Floor              | LMF, APD   |
| Drilling Measured From     | Drill Floor              | DMF        |

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

**Job Data**

|                        |                               |            |
|------------------------|-------------------------------|------------|
| Date as Month-Day-Year | 4-Feb-2007                    | DATE       |
| Run Number             | 1                             | RUN        |
| Total Depth - Driller  | 2977.0 (m)                    | TDD        |
| Bottom Log Interval    | 945.2 (m)                     | BLI        |
| Top Log Interval       | 2850.0 (m)                    | TLI        |
| Current Casing Size    | 7.00 (in)                     | CSIZ       |
| Casing Depth From      | 27.0 (m)                      | CDF        |
| Casing Depth To        | 2977.0 (m)                    | CADT       |
| Casing Grade           | N-80                          | CASG       |
| Casing Weight          | 38.0 (lbm/ft)                 | CWEI       |
| Bit Size               | 9.88 (in)                     | BS         |
| Bit Size Depth From    | 1109.0 (m)                    | BSDF       |
| Bit Size Depth To      | 2976.0 (m)                    | BSDT       |
| Date Logger At Bottom  | 4-Feb-2007                    | DLAB, TLAB |
| Logging Unit Number    | 3827                          | LUN, LUL   |
| Engineer's Name        | C.Rowand, O.Darby, B.Donahoe  | ENGI       |
| Witness's Name         | Mr B. Woodward / Mr M. Wilson | WITN       |

Absent Valued Parameters: TDL, SON

**Mud Data**

|                     |                 |     |
|---------------------|-----------------|-----|
| Drilling Fluid Type | Produced Fluids | DFT |
|---------------------|-----------------|-----|

|   |              |            |
|---|--------------|------------|
| Maximum Recorded Temperature  | 100.6 (degC) | MRT        |
| Date Logger At Bottom   | 4-Feb-2007   | DLAB, TLAB |
| Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT1, 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   |              |            |
| Correlated to Esso Solar Composite Log provided by client.  |              | R1         |
| Objective: to conduct an RST (Sigma mode) over the interval HUD to 2850m,   |              | R2         |
| making two passes at 900 ft/hr with the well shut in.   |              | R3         |
| Matrix = Sandstone, BS = 9-7/8", CSIZ = 7", CWEI = 38 lb/ft   |              | R4         |
| RIH with dummy plug toolstring to 2896m MDKB to ensure access through min   |              | R5         |
| restrictions for HPI plug, record GR/CCL from 2896m MDKB. RIH with HPI plug on  |              | R6         |
| CCL toolstring correlate and set with top sealing element @ 2896m MDKB.   |              | R7         |
| RIH with MWPT toolstring and 2-1/8" +/- 45 Deg Phased Enerjet Powerjet gun.   |              | R8         |
| Correlate, whilst maintaining guns at perforation depth attempt to create 300psi  |              | R9         |
| underbalance before perforating   |              | R10        |
| Schlumberger Crew:  |              | R15        |
| Days: Brendan Glover (Crew chief), Max Hancock  |              | R16        |
| Nights: David Stuckey (Crew chief), Simon Kiss  |              | R17        |
| Other Services  |              |            |
| HPI Plug  |              | OS1        |
| 2-1/8" Phased   |              | OS2        |
| Powerjet  |              | OS3        |

|  |              |             |                   |                 |                      |                   |
|--|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| Frame Summary     File: PERFO_015LUP     Sequence: 1 |              |             |                   |                 |                      |                   |
| Origin: 41   |              |             |                   |                 |                      |                   |
| <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                                       | 2920.14      | 2786.48 m   | -60.0 (0.1 in) up | 9               | TDEP                 | 60B               |
|  | 9580.50      | 9142.00 ft  |                   |                 |                      |                   |
| BOREHOLE-DEPTH                                       | 2920.14      | 2786.66 m   | -10.0 (0.1 in) up | 8               | TDEP,1               | 10B               |
|  | 9580.50      | 9142.58 ft  |                   |                 |                      |                   |

|                             |                          |                              |                    |
|-----------------------------|--------------------------|------------------------------|--------------------|
| File Header                 |                          | File: PERFO_032LUP           | Sequence: 2        |
| Defining Origin: 35         |                          |                              |                    |
| File ID: PERFO_032LUP       |                          | File Type: DEPTH LOG         |                    |
| Producer Name: Schlumberger |                          | Product/Version: OP 14C0-302 | File Set: 41       |
|                             |                          | File Number: 37              | 5-FEB-2007 6:02:23 |
| Company Name:               | Esso Australia Pty. Ltd. |                              |                    |
| Well Name:                  | BMA A7                   |                              |                    |
| Field Name:                 | Bream                    |                              |                    |
| Tool String:                | SHM_GUN, CCL-L           |                              |                    |
| Computations:               | WELLCAD                  |                              |                    |

|  |  |  |
|--|--|--|
| Error Summary     File: PERFO_032LUP     Sequence: 2 |  |  |
| No errors detected in file.                          |  |  |

|   |  |  |
|---|--|--|
| Well Site Data     File: PERFO_032LUP     Sequence: 2 |  |  |
| Origin: 35  |  |  |

**Well Data**

|                            |                                       |            |
|----------------------------|---------------------------------------|------------|
| Company Name               | Esso Australia Pty. Ltd.              | CN         |
| Well Name                  | BMA A7                                | WN         |
| Field Name                 | Bream                                 | FN         |
| Rig:                       | Prod 2 / ISS Rig 22                   | CLAB, COUN |
| State:                     | Victoria                              | SLAB, STAT |
| Nation                     | Australia                             | NATI       |
| Field Location             | Bass Strait                           | FL         |
|                            | Gippsland                             | FL1        |
|                            | Basin                                 | FL2        |
| Longitude                  | 147° 46' 15.7"E                       | LONG       |
| Latitude                   | 38° 30' 2.5"S                         | LATI       |
| Maximum Hole Deviation     | 59.0 (deg)                            | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                              | EKB        |
| Elevation of Ground Level  | -59.0 (m)                             | EGL        |
| Elevation of Derrick Floor | 33.2 (m)                              | EDF        |
| Permanent Datum            | Mean Sea Level                        | PDAT, EPD  |
| Log Measured From          | Drill Floor                           | LMF, APD   |
| Drilling Measured From     | Drill Floor                           | DMF        |
|                            | Elevation of Permanent Datum 33.2 (m) |            |
|                            | Above Permanent Datum -33.2 (m)       |            |

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

**Job Data**

|                        |                               |            |
|------------------------|-------------------------------|------------|
| Date as Month-Day-Year | 4-Feb-2007                    | DATE       |
| Run Number             | 1                             | RUN        |
| Total Depth - Driller  | 2977.0 (m)                    | TDD        |
| Total Depth - Logger   | 2917.0 (m)                    | TDL        |
| Bottom Log Interval    | 2913.0 (m)                    | BLI        |
| Top Log Interval       | 2850.0 (m)                    | TLI        |
| Current Casing Size    | 7.00 (in)                     | CSIZ       |
| Casing Depth From      | 27.0 (m)                      | CDF        |
| Casing Depth To        | 2977.0 (m)                    | CADT       |
| Casing Grade           | N-80                          | CASG       |
| Casing Weight          | 38.0 (lbm/ft)                 | CWEI       |
| Bit Size               | 9.88 (in)                     | BS         |
| Bit Size Depth From    | 1109.0 (m)                    | BSDF       |
| Bit Size Depth To      | 2976.0 (m)                    | BSDT       |
| Date Logger At Bottom  | 4-Feb-2007                    | DLAB, TLAB |
| Logging Unit Number    | 3827                          | LUN, LUL   |
| Engineer's Name        | C.Rowand, O.Darby, B.Donahoe  | ENGI       |
| Witness's Name         | Mr B. Woodward / Mr M. Wilson | WITN       |
|                        | Time Logger At Bottom 14:00   |            |
|                        | Logging Unit Location AUSL    |            |

Absent Valued Parameters: SON

**Mud Data**

|                              |                             |            |
|------------------------------|-----------------------------|------------|
| Drilling Fluid Type          | Produced Fluids             | DFT        |
| Maximum Recorded Temperature | 208.0 (degF)                | MRT        |
|                              | 208.0 (degF)                | MRT1       |
| Date Logger At Bottom        | 4-Feb-2007                  | DLAB, TLAB |
|                              | Time Logger At Bottom 14:00 |            |

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**

|   |     |
|---|-----|
| Correlated to Esso Solar Composite Log provided by client.                | R1  |
| Objective: to conduct an RST (Sigma mode) over the interval HUD to 2850m, | R2  |
| making two passes at 900 ft/hr with the well shut in.                     | R3  |
| Matrix = Sandstone, BS = 9-7/8", CSIZ = 7", CWEI = 38 lb/ft               | R4  |
| RIH with dummy plug toolstring to 2896m MDKB to ensure access through min | R5  |
| restrictions for HPI plug, record GR/CCL from 2896m MDKB.                 | R6  |
| .   | R12 |
| Schlumberger Crew:  | R15 |
| Days: Brendan Glover (Crew chief), Max Hancock                            | R16 |
| Nights: David Stuckey (Crew chief), Simon Kiss                            | R17 |

**Other Services**

|               |     |
|---------------|-----|
| HPI Plug      | OS1 |
| 2-1/8" Phased | OS2 |
| Powerjet      | OS3 |

| Origin: 35     |         |            |                   |          |               |            |
|----------------|---------|------------|-------------------|----------|---------------|------------|
| Index Type     | Start   | Stop       | Spacing           | Channels | Index Channel | Frame Name |
| BOREHOLE-DEPTH | 2893.47 | 2787.55 m  | -60.0 (0.1 in) up | 7        | TDEP          | 60B        |
|                | 9493.00 | 9145.50 ft |                   |          |               |            |
| BOREHOLE-DEPTH | 2893.47 | 2787.57 m  | -10.0 (0.1 in) up | 7        | TDEP;1        | 10B        |
|                | 9493.00 | 9145.58 ft |                   |          |               |            |

| File Header                                   |  |                              |  |              |                 |                    |
|---|--|------------------------------|--|--------------|-----------------|--------------------|
| File: PERFO_034LUP    Sequence: 3             |  |                              |  |              |                 |                    |
| Defining Origin: 35                           |  |                              |  |              |                 |                    |
| File ID: PERFO_034LUP    File Type: DEPTH LOG |  |                              |  |              |                 |                    |
| Producer Name: Schlumberger                   |  | Product/Version: OP 14C0-302 |  | File Set: 41 | File Number: 39 | 5-FEB-2007 6:21:06 |
| Company Name: Esso Australia Pty. Ltd.        |  |                              |  |              |                 |                    |
| Well Name: BMA A7                             |  |                              |  |              |                 |                    |
| Field Name: Bream                             |  |                              |  |              |                 |                    |
| Tool String: SHM_GUN, CCL-L                   |  |                              |  |              |                 |                    |
| Computations: WELLCAD                         |  |                              |  |              |                 |                    |

| Error Summary                     |  |  |
|-----------------------------------|--|--|
| File: PERFO_034LUP    Sequence: 3 |  |  |
| No errors detected in file.       |  |  |

| Well Site Data   |                          |            |
|--|--------------------------|------------|
| File: PERFO_034LUP    Sequence: 3                                |                          |            |
| Origin: 35   |                          |            |
| Well Data  |                          |            |
| Company Name   | Esso Australia Pty. Ltd. | CN         |
| Well Name  | BMA A7                   | WN         |
| Field Name   | Bream                    | FN         |
| Rig:   | Prod 2 / ISS Rig 22      | CLAB, COUN |
| State:   | Victoria                 | SLAB, STAT |
| Nation   | Australia                | NATI       |
| Field Location   | Bass Strait              | FL         |
|  | Gippsland                | FL1        |
|  | Basin                    | FL2        |
| Longitude  | 147° 46' 15.7"E          | LONG       |
| Latitude   | 38° 30' 2.5"S            | LATI       |
| Maximum Hole Deviation   | 59.0 (deg)               | MHD        |
| Elevation of Kelly Bushing                                       | 33.5 (m)                 | EKB        |
| Elevation of Ground Level  | -59.0 (m)                | EGL        |
| Elevation of Derrick Floor                                       | 33.2 (m)                 | EDF        |
| Permanent Datum  | Mean Sea Level           | PDAT, EPD  |
| Log Measured From  | Drill Floor              | LMF, APD   |
| Drilling Measured From   | Drill Floor              | DMF        |
| Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, SON |                          |            |
| Job Data   |                          |            |
| Date as Month-Day-Year   | 4-Feb-2007               | DATE       |
| Run Number   | 1                        | RUN        |
| Total Depth - Driller  | 2977.0 (m)               | TDD        |
| Total Depth - Logger   | 2917.0 (m)               | TDL        |
| Bottom Log Interval  | 2913.0 (m)               | BLI        |
| Top Log Interval   | 2850.0 (m)               | TLI        |
| Current Casing Size  | 7.00 (in)                | CSIZ       |
| Casing Depth From  | 27.0 (m)                 | CDF        |
| Casing Depth To  | 2977.0 (m)               | CADT       |
| Casing Grade   | N-80                     | CASG       |
| Casing Weight  | 38.0 (lbm/ft)            | CWEI       |
| Bit Size   | 9.88 (in)                | BS         |
| Bit Size Depth From  | 1109.0 (m)               | BSDF       |

Bit Size Depth To

Date Logger At Bottom

Logging Unit Number

Engineer's Name

Witness's Name

2976.0 (m)

4-Feb-2007

3827

C.Rowand, O.Darby, B.Donahoe

Mr B. Woodward / Mr M. Wilson

Time Logger At Bottom

14:00

Logging Unit Location

AUSL

BSDT

DLAB, TLAB

LUN, LUL

ENGI

WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type

Maximum Recorded Temperature

Date Logger At Bottom

Produced Fluids

208.0 (degF)

208.0 (degF)

4-Feb-2007

Time Logger At Bottom

14:00

DFT

MRT

MRT1

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

Correlated to Esso Solar Composite Log provided by client.

Objective: to conduct an RST (Sigma mode) over the interval HUD to 2850m, making two passes at 900 ft/hr with the well shut in.

Matrix = Sandstone, BS = 9-7/8", CSIZ = 7", CWEI = 38 lb/ft

RIH with dummy plug toolstring to 2896m MDKB to ensure access through min restrictions for HPI plug, record GR/CCL from 2896m MDKB.

.

Schlumberger Crew:

Days: Brendan Glover (Crew chief), Max Hancock

Nights: David Stuckey (Crew chief), Simon Kiss

R1

R2

R3

R4

R5

R6

R12

R15

R16

R17

Other Services

HPI Plug

2-1/8" Phased

Powerjet

OS1

OS2

OS3

Frame Summary

File: PERFO\_034LUP

Sequence: 3

Origin: 35

Index Type

Start

Stop

Spacing

Channels

Index Channel

Frame Name

BOREHOLE-DEPTH

2891.64

2848.51 m

-60.0 (0.1 in) up

7

TDEP

60B

BOREHOLE-DEPTH

9487.00

9345.50 ft

BOREHOLE-DEPTH

2891.64

2848.53 m

-10.0 (0.1 in) up

7

TDEP;1

10B

9487.00

9345.58 ft

File Header

File: PERFO\_052LUP

Sequence: 4

Defining Origin: 34

File ID: PERFO\_052LUP

File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 14C0-302

File Set: 41

File Number: 57

5-FEB-2007 14:29:07

Company Name:

Esso Australia Pty. Ltd.

Well Name:

BMA A7

Field Name:

Bream

Tool String:

MWP\_GUN, MWGT-BA, MWPT-DA

Computations:

WELLCAD, BORDYN

Error Summary

File: PERFO\_052LUP

Sequence: 4

No errors detected in file.

Well Site Data

File: PERFO\_052LUP

Sequence: 4

Origin: 34

Well Data

Company Name

Esso Australia Pty. Ltd.

CN

|                            |                          |                                       |            |
|----------------------------|--------------------------|---------------------------------------|------------|
| Company Name               | Esso Australia Pty. Ltd. |                                       | CN         |
| Well Name                  | BMA A7                   |                                       | WN         |
| Field Name                 | Bream                    |                                       | FN         |
| Rig:                       | Prod 2 / ISS Rig 22      |                                       | CLAB, COUN |
| State:                     | Victoria                 |                                       | SLAB, STAT |
| Nation                     | Australia                |                                       | NATI       |
| Field Location             | Bass Strait              |                                       | FL         |
|                            | Gippsland                |                                       | FL1        |
|                            | Basin                    |                                       | FL2        |
| Longitude                  | 147° 46' 15.7"E          |                                       | LONG       |
| Latitude                   | 38° 30' 2.5"S            |                                       | LATI       |
| Maximum Hole Deviation     | 59.0 (deg)               |                                       | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                 |                                       | EKB        |
| Elevation of Ground Level  | -59.0 (m)                |                                       | EGL        |
| Elevation of Derrick Floor | 33.2 (m)                 |                                       | EDF        |
| Permanent Datum            | Mean Sea Level           | Elevation of Permanent Datum 33.2 (m) | PDAT, EPD  |
| Log Measured From          | Drill Floor              | Above Permanent Datum -33.2 (m)       | LMF, APD   |
| Drilling Measured From     | Drill Floor              |                                       | DMF        |

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

Job Data

|                        |                               |                       |      |            |
|------------------------|-------------------------------|-----------------------|------|------------|
| Date as Month–Day–Year | 4–Feb–2007                    |                       |      | DATE       |
| Run Number             | 1                             |                       |      | RUN        |
| Total Depth – Driller  | 2977.0 (m)                    |                       |      | TDD        |
| Total Depth – Logger   | 2917.0 (m)                    |                       |      | TDL        |
| Bottom Log Interval    | 2893.0 (m)                    |                       |      | BLI        |
| Top Log Interval       | 2890.0 (m)                    |                       |      | TLI        |
| Current Casing Size    | 7.00 (in)                     |                       |      | CSIZ       |
| Casing Depth From      | 27.0 (m)                      |                       |      | CDF        |
| Casing Depth To        | 2977.0 (m)                    |                       |      | CADT       |
| Casing Grade           | N–80                          |                       |      | CASG       |
| Casing Weight          | 38.0 (lbm/ft)                 |                       |      | CWEI       |
| Bit Size               | 9.88 (in)                     |                       |      | BS         |
| Bit Size Depth From    | 1109.0 (m)                    |                       |      | BSDF       |
| Bit Size Depth To      | 2976.0 (m)                    |                       |      | BSDT       |
| Date Logger At Bottom  | 5–Feb–2007                    | Time Logger At Bottom | 6:30 | DLAB, TLAB |
| Logging Unit Number    | 3827                          | Logging Unit Location | AUSL | LUN, LUL   |
| Engineer's Name        | C.Rowand, O.Darby, B.Donahoe  |                       |      | ENGI       |
| Witness's Name         | Mr B. Woodward / Mr M. Wilson |                       |      | WITN       |

Absent Valued Parameters: SON

Mud Data

|                              |                 |                       |      |            |
|------------------------------|-----------------|-----------------------|------|------------|
| Drilling Fluid Type          | Produced Fluids |                       |      | DFT        |
| Maximum Recorded Temperature | 208.0 (degF)    |                       |      | MRT        |
|                              | 208.0 (degF)    |                       |      | MRT1       |
| Date Logger At Bottom        | 5-Feb-2007      | Time Logger At Bottom | 6:30 | 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

|   |     |
|---|-----|
| Correlated to Esso Solar Composite Log provided by client.                      | R1  |
| Objective:  | R2  |
| RIH with dummy plug toolstring incorporating GR/CCL to 2896m MDKB to ensure     | R3  |
| access through miniumum restrictions for HPI plug. Correlate on depth using     | R4  |
| solar composite log, POOH.  | R5  |
| RIH with CCL toolstring and HPI plug, correlate to log make during dummy run,   | R7  |
| set plug with top sealing element at 2896m MDKB.                                | R8  |
| Run:3   | R9  |
| RIH with 2 1/8" Powerjet 6 spf, +/-Deg phased gun with MWPT, Correlate dpeth to | R11 |
| solar composite log. Locate guns at perforation depth                           | R12 |
| Schlumberger Crew:  | R15 |
| Days: Brendan Glover (Crew chief), Max Hancock                                  | R16 |
| Nights: David Stuckey (Crew chief), Simon Kiss                                  | R17 |

Other Services

|     |     |
|-----|-----|
| RST | OS1 |
|-----|-----|

|                   |              |             |                   |                 |                      |                   |
|-------------------|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| <b>Origin: 34</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    | 2893.92      | 2781.60 m   | -60.0 (0.1 in) up | 22              | TDEP                 | 60B               |
|                   | 9494.50      | 9126.00 ft  |                   |                 |                      |                   |
| BOREHOLE-DEPTH    | 2893.92      | 2781.63 m   | -10.0 (0.1 in) up | 10              | TDEP;1               | 10B               |
|                   | 9494.50      | 9126.08 ft  |                   |                 |                      |                   |

|  |                              |  |
|--|------------------------------|--|
| <b>File Header</b>                         | File: <b>PERFO_054LUP</b>    | Sequence: <b>5</b>                               |
| <b>Defining Origin: 34</b>                 |                              |  |
| File ID: PERFO_054LUP File Type: DEPTH LOG |                              |  |
| Producer Name: Schlumberger                | Product/Version: OP 14C0-302 | File Set: 41 File Number: 59 5-FEB-2007 14:51:49 |
| Company Name:                              | Esso Australia Pty. Ltd.     |  |
| Well Name:                                 | BMA A7                       |  |
| Field Name:                                | Bream                        |  |
| Tool String:                               | MWP_GUN, MWGT-BA, MWPT-DA    |  |
| Computations:                              | WELLCAD, BORDYN              |  |
| <b>Error Summary</b>                       | File: <b>PERFO_054LUP</b>    | Sequence: <b>5</b>                               |
| No errors detected in file.                |                              |  |

|  |                           |                    |
|--|---------------------------|--------------------|
| <b>Well Site Data</b>  | File: <b>PERFO_054LUP</b> | Sequence: <b>5</b> |
| <b>Origin: 34</b>  |                           |                    |
| <b>Well Data</b>   |                           |                    |
| Company Name   | Esso Australia Pty. Ltd.  | CN                 |
| Well Name  | BMA A7                    | WN                 |
| Field Name   | Bream                     | FN                 |
| Rig:   | Prod 2 / ISS Rig 22       | CLAB, COUN         |
| State:   | Victoria                  | SLAB, STAT         |
| Nation   | Australia                 | NATI               |
| Field Location   | Bass Strait               | FL                 |
|  | Gippsland                 | FL1                |
|  | Basin                     | FL2                |
| Longitude  | 147° 46' 15.7"E           | LONG               |
| Latitude   | 38° 30' 2.5"S             | LATI               |
| Maximum Hole Deviation   | 59.0 (deg)                | MHD                |
| Elevation of Kelly Bushing                                       | 33.5 (m)                  | EKB                |
| Elevation of Ground Level  | -59.0 (m)                 | EGL                |
| Elevation of Derrick Floor                                       | 33.2 (m)                  | EDF                |
| Permanent Datum  | Mean Sea Level            | PDAT, EPD          |
| Log Measured From  | Drill Floor               | LMF, APD           |
| Drilling Measured From   | Drill Floor               | DMF                |
| Elevation of Permanent Datum 33.2 (m)                            |                           |                    |
| Above Permanent Datum -33.2 (m)                                  |                           |                    |
| Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, SON |                           |                    |
| <b>Job Data</b>  |                           |                    |
| Date as Month-Day-Year   | 4-Feb-2007                | DATE               |
| Run Number   | 1                         | RUN                |
| Total Depth - Driller  | 2977.0 (m)                | TDD                |
| Total Depth - Logger   | 2917.0 (m)                | TDL                |
| Bottom Log Interval  | 2893.0 (m)                | BLI                |
| Top Log Interval   | 2890.0 (m)                | TLI                |
| Current Casing Size  | 7.00 (in)                 | CSIZ               |
| Casing Depth From  | 27.0 (m)                  | CDF                |
| Casing Depth To  | 2977.0 (m)                | CADT               |
| Casing Grade   | N-80                      | CASG               |
| Casing Weight  | 38.0 (lbm/ft)             | CWEI               |
| Bit Size   | 9.88 (in)                 | BS                 |

Bit Size Depth From  
Bit Size Depth To  
Date Logger At Bottom  
Logging Unit Number  
Engineer's Name  
Witness's Name

1109.0 (m)  
2976.0 (m)  
5-Feb-2007  
3827  
C.Rowand, O.Darby, B.Donahoe  
Mr B. Woodward / Mr M. Wilson

Time Logger At Bottom  
Logging Unit Location

6:30  
AUSL

BSDF  
BSDT  
DLAB, TLAB  
LUN, LUL  
ENGI  
WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type  
Maximum Recorded Temperature  
  
Date Logger At Bottom

Produced Fluids  
208.0 (degF)  
208.0 (degF)  
5-Feb-2007

Time Logger At Bottom

6:30

DFT  
MRT  
MRT1  
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

Correlated to Esso Solar Composite Log provided by client.  
Objective:  
RIH with dummy plug toolstring incorporating GR/CCL to 2896m MDKB to ensure access through miniumum restrictions for HPI plug. Correlate on depth using solar composite log, POOH.  
RIH with CCL toolstring and HPI plug, correlate to log make during dummy run, set plug with top sealing element at 2896m MDKB.  
Run:3  
RIH with 2 1/8" Powerjet 6 spf, +/-Deg phased gun with MWPT, Correlate dpeth to solar composite log. Locate guns at perforation depth  
Schlumberger Crew:  
Days: Brendan Glover (Crew chief), Max Hancock  
Nights: David Stuckey (Crew chief), Simon Kiss

R1  
R2  
R3  
R4  
R5  
R7  
R8  
R9  
R11  
R12  
R15  
R16  
R17

Other Services

RST

OS1

Frame Summary

File: PERFO\_054LUP

Sequence: 5

Origin: 34

| Index Type     | Start   | Stop       | Spacing           | Channels | Index Channel | Frame Name |
|----------------|---------|------------|-------------------|----------|---------------|------------|
| BOREHOLE-DEPTH | 2895.45 | 2771.55 m  | -60.0 (0.1 in) up | 22       | TDEP          | 60B        |
|                | 9499.50 | 9093.00 ft |                   |          |               |            |
| BOREHOLE-DEPTH | 2895.45 | 2771.57 m  | -10.0 (0.1 in) up | 10       | TDEP;1        | 10B        |
|                | 9499.50 | 9093.08 ft |                   |          |               |            |

File Header

File: PERFO\_055LTP

Sequence: 6

Defining Origin: 34

File ID: PERFO\_055LTP

File Type: STATION

Producer Name: Schlumberger

Product/Version: OP 14C0-302

File Set: 41

File Number: 60

5-FEB-2007 14:55:34

Company Name:

Esso Australia Pty. Ltd.

Well Name:

BMA A7

Field Name:

Bream

Tool String:

MWP\_GUN, MWGT-BA, MWPT-DA

Computations:

WELLCAD, BORDYN

Error Summary

File: PERFO\_055LTP

Sequence: 6

No error data stored in file



**Well Site Data**File: **PERFO\_055LTP** Sequence: **6****Origin: 34****Well Data**

|                            |                          |            |
|----------------------------|--------------------------|------------|
| Company Name               | Esso Australia Pty. Ltd. | CN         |
| Well Name                  | BMA A7                   | WN         |
| Field Name                 | Bream                    | FN         |
| Rig:                       | Prod 2 / ISS Rig 22      | CLAB, COUN |
| State:                     | Victoria                 | SLAB, STAT |
| Nation                     | Australia                | NATI       |
| Field Location             | Bass Strait              | FL         |
|                            | Gippsland                | FL1        |
|                            | Basin                    | FL2        |
| Longitude                  | 147° 46' 15.7"E          | LONG       |
| Latitude                   | 38° 30' 2.5"S            | LATI       |
| Maximum Hole Deviation     | 59.0 (deg)               | MHD        |
| Elevation of Kelly Bushing | 33.5 (m)                 | EKB        |
| Elevation of Ground Level  | -59.0 (m)                | EGL        |
| Elevation of Derrick Floor | 33.2 (m)                 | EDF        |
| Permanent Datum            | Mean Sea Level           | PDAT, EPD  |
| Log Measured From          | Drill Floor              | LMF, APD   |
| Drilling Measured From     | Drill Floor              | DMF        |

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

**Job Data**

|                        |                               |            |
|------------------------|-------------------------------|------------|
| Date as Month-Day-Year | 4-Feb-2007                    | DATE       |
| Run Number             | 1                             | RUN        |
| Total Depth - Driller  | 2977.0 (m)                    | TDD        |
| Total Depth - Logger   | 2917.0 (m)                    | TDL        |
| Bottom Log Interval    | 2893.0 (m)                    | BLI        |
| Top Log Interval       | 2890.0 (m)                    | TLI        |
| Current Casing Size    | 7.00 (in)                     | CSIZ       |
| Casing Depth From      | 27.0 (m)                      | CDF        |
| Casing Depth To        | 2977.0 (m)                    | CADT       |
| Casing Grade           | N-80                          | CASG       |
| Casing Weight          | 38.0 (lbm/ft)                 | CWEI       |
| Bit Size               | 9.88 (in)                     | BS         |
| Bit Size Depth From    | 1109.0 (m)                    | BSDF       |
| Bit Size Depth To      | 2976.0 (m)                    | BSDT       |
| Date Logger At Bottom  | 5-Feb-2007                    | DLAB, TLAB |
| Logging Unit Number    | 3827                          | LUN, LUL   |
| Engineer's Name        | C.Rowand, O.Darby, B.Donahoe  | ENGI       |
| Witness's Name         | Mr B. Woodward / Mr M. Wilson | WITN       |

Absent Valued Parameters: SON

**Mud Data**

|                              |                            |            |
|------------------------------|----------------------------|------------|
| Drilling Fluid Type          | Produced Fluids            | DFT        |
| Maximum Recorded Temperature | 208.0 (degF)               | MRT        |
|                              | 208.0 (degF)               | MRT1       |
| Date Logger At Bottom        | 5-Feb-2007                 | DLAB, TLAB |
|                              | Time Logger At Bottom 6:30 |            |

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**

|   |     |
|---|-----|
| Correlated to Esso Solar Composite Log provided by client.                      | R1  |
| Objective:  | R2  |
| RIH with dummy plug toolstring incorporating GR/CCL to 2896m MDKB to ensure     | R3  |
| access through minimum restrictions for HPI plug. Correlate on depth using      | R4  |
| solar composite log, POOH.  | R5  |
| RIH with CCL toolstring and HPI plug, correlate to log make during dummy run,   | R7  |
| set plug with top sealing element at 2896m MDKB.                                | R8  |
| Run:3   | R9  |
| RIH with 2 1/8" Powerjet 6 spf, +/-Deg phased gun with MWPT, Correlate depth to | R11 |
| solar composite log. Locate guns at perforation depth                           | R12 |
| Schlumberger Crew:  | R15 |
| Days: Brendan Glover (Crew chief), Max Hancock                                  | R16 |

Other Services  
RST

OS1

Frame Summary      File: PERFO\_055LTP      Sequence: 6

Origin: 34

| <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              | 6165.68      | 8520.68 s   | 1000.0 (0.5 ms) | 14              | TIME;2               | 1000T             |
| TIME              | 6165.68      | 8520.68 s   | 500.0 (0.5 ms)  | 4               | TIME;3               | 500T              |
| TIME              | 6165.68      | 8520.68 s   | 2000.0 (0.5 ms) | 5               | TIME;4               | 2000T             |



Verification Listing

Listing Completed: 8-FEB-2007 20:15:52