

Input Source: D:\OP_Folder\Clients\Ess02008\FLA_A25a\GUN\COMP_FLA_A25A_COMP_077.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PSP_019PUP** Sequence: **1**

Defining Origin: 41

File ID: PSP_019PUP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 15C0-309 File Set: 41 File Number: 18 1-FEB-2008 11:32:15
Company Name: Esso Australia Pty Ltd.
Well Name: A-25a
Field Name: Flounder
Tool String: PSPT-B
Computations: WELLCAD, BORDYN

Error Summary File: **PSP_019PUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PSP_019PUP** Sequence: **1**

Origin: 41

Well Data

| | | |
|----------------------------|-------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | A-25a | WN |
| Field Name | Flounder | FN |
| Rig: | Crane | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | AUSL07336276 | SON |
| Longitude | 148° 06' 15.10"E | LONG |
| Latitude | 38° 18' 45.24"S | LATI |
| Maximum Hole Deviation | 59.2 (deg) | MHD |
| Elevation of Kelly Bushing | 40.8 (m) | EKB |
| Elevation of Ground Level | -94.0 (m) | EGL |
| Elevation of Derrick Floor | 40.8 (m) | EDF |
| Permanent Datum | M.S.L | PDAT, EPD |
| Log Measured From | K.B | LMF, APD |
| Drilling Measured From | K.B | DMF |

Elevation of Permanent Datum 0.0 (m)
Above Permanent Datum 40.8 (m)

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

Job Data

| | | |
|------------------------|----------------------|------------|
| Date as Month-Day-Year | 1-Feb-2008 | DATE |
| Run Number | 1 through 5 | RUN |
| Total Depth - Driller | 3935.0 (m) | TDD |
| Total Depth - Logger | 3529.0 (m) | TDL |
| Bottom Log Interval | 2500.0 (m) | BLI |
| Top Log Interval | 7808.4 (m) | TLI |
| Current Casing Size | 7.63 (in) | CSIZ |
| Casing Depth From | 19.6 (m) | CDF |
| Casing Depth To | 3903.0 (m) | CADT |
| Casing Grade | L-80 | CASG |
| Casing Weight | 29.7 (lbm/ft) | CWEI |
| Bit Size | 9.88 (in) | BS |
| Bit Size Depth From | 816.0 (m) | BSDF |
| Bit Size Depth To | 3935.0 (m) | BSDT |
| Date Logger At Bottom | 1-Feb-2008 | DLAB, TLAB |
| Logging Unit Number | 889 | LUN, LUL |
| Engineer's Name | S Gilbert / C.Rowand | ENGI |
| Witness's Name | B White / J.D. | WITN |
| Service Order Number | AUSL07336276 | SON |

Mud Data

| | | | |
|---|-------------------|-----------------------|------------|
| Mud Data | | | DFT |
| Drilling Fluid Type | Production Fluids | | MRT |
| Maximum Recorded Temperature | 229.0 (degF) | | MRT1 |
| | 229.0 (degF) | | DLAB, TLAB |
| Date Logger At Bottom | 1-Feb-2008 | 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 Solar Composite Log supplied with logging program. | | | R1 |
| Objectives: Perforate the well over the interval m – m MDKB using 2–1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT. | | | R2 |
| Set 7–5/8" posiset plug with top of seal at m MDKB then dump approximately 1m of cement on top. | | | R3 |
| GOC @ 2084 m MDKB, OWC @ 2589 m MDKB. | | | R4 |
| Perforation interval: m MDKB. | | | R5 |
| CCL to top shot = m MDKB | | | R6 |
| CCL Stop Depth = m MDKB | | | R7 |
| Before gun shot: SBHT = degF SBHP = psia | | | R8 |
| After gun shot: SBHT = degF SBHP = psia | | | R9 |
| Top of seal @ m MDKB | | | R11 |
| CCL to top of seal = m | | | R12 |
| CCL Stop Depth: m MDKB | | | R13 |
| Dump Bailers: | | | R14 |
| CCL to bottom of bailer = 11m | | | R15 |
| 2 cement runs were made with 1–11/16", 32ft long dump bailers. | | | R16 |
| Schlumberger crews: P.Lawrence, Z Casey, G Martin, C Shiells | | | R17 |

| | | | | | | |
|---|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| Frame Summary File: PSP_019PUP 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 | 3534.61 | 3042.82 m | –60.0 (0.1 in) up | 28 | TDEP | 60B |
| | 11596.50 | 9983.00 ft | | | | |
| BOREHOLE-DEPTH | 3534.61 | 3043.00 m | –10.0 (0.1 in) up | 7 | TDEP;1 | 10B |
| | 11596.50 | 9983.58 ft | | | | |

| | | | | | |
|-----------------------------|---------------------------|------------------------------|--------------|-----------------|---------------------|
| File Header | | File: PERFO_033LUP | Sequence: 2 | | |
| Defining Origin: 17 | | | | | |
| File ID: PERFO_033LUP | | File Type: DEPTH LOG | | | |
| Producer Name: Schlumberger | | Product/Version: OP 15C0–309 | File Set: 41 | File Number: 32 | 1–FEB–2008 16:10:49 |
| Company Name: | Esso Australia Pty Ltd. | | | | |
| Well Name: | A–25a | | | | |
| Field Name: | Flounder | | | | |
| Tool String: | MWP_GUN, MWPT–CA, MWGT–AA | | | | |
| Computations: | WELLCAD, BORDYN | | | | |

| | | |
|---|--|--|
| Error Summary File: PERFO_033LUP Sequence: 2 | | |
| No errors detected in file. | | |

| | | |
|--|--|--|
| Well Site Data File: PERFO_033LUP Sequence: 2 | | |
| Origin: 17 | | |

Well Data

| | | |
|--------------------------------------|-------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | A-25a | WN |
| Field Name | Flounder | FN |
| Rig: | Crane | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | AUSL07336276 | SON |
| Longitude | 148° 06' 15.10"E | LONG |
| Latitude | 38° 18' 45.24"S | LATI |
| Maximum Hole Deviation | 59.2 (deg) | MHD |
| Elevation of Kelly Bushing | 40.8 (m) | EKB |
| Elevation of Ground Level | -94.0 (m) | EGL |
| Elevation of Derrick Floor | 40.8 (m) | EDF |
| Permanent Datum | M.S.L | PDAT, EPD |
| Log Measured From | K.B | LMF, APD |
| Drilling Measured From | K.B | DMF |
| Elevation of Permanent Datum 0.0 (m) | | |
| Above Permanent Datum 40.8 (m) | | |

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

Job Data

| | | |
|-------------------------------------|----------------------|------------|
| Date as Month-Day-Year | 1-Feb-2008 | DATE |
| Run Number | 1 through 5 | RUN |
| Total Depth - Driller | 3935.0 (m) | TDD |
| Total Depth - Logger | 3529.0 (m) | TDL |
| Bottom Log Interval | 2500.0 (m) | BLI |
| Top Log Interval | 7808.4 (m) | TLI |
| Current Casing Size | 7.63 (in) | CSIZ |
| Casing Depth From | 19.6 (m) | CDF |
| Casing Depth To | 3903.0 (m) | CADT |
| Casing Grade | L-80 | CASG |
| Casing Weight | 29.7 (lbm/ft) | CWEI |
| Bit Size | 9.88 (in) | BS |
| Bit Size Depth From | 816.0 (m) | BSDF |
| Bit Size Depth To | 3935.0 (m) | BSDT |
| Date Logger At Bottom | 1-Feb-2008 | DLAB, TLAB |
| Logging Unit Number | 889 | LUN, LUL |
| Engineer's Name | S Gilbert / C.Rowand | ENGI |
| Witness's Name | B White / J.D. | WITN |
| Service Order Number | AUSL07336276 | SON |
| Time Logger At Bottom 11:00 | | |
| Logging Unit Location Prod 4 / AUSL | | |

Mud Data

| | | |
|------------------------------|-------------------|------------|
| Drilling Fluid Type | Production Fluids | DFT |
| Maximum Recorded Temperature | 229.0 (degF) | MRT |
| | 229.0 (degF) | MRT1 |
| Date Logger At Bottom | 1-Feb-2008 | 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 Solar Composite Log supplied with logging program. | R1 |
| Objectives: Perforate the well over the interval 3525m 3527.5m MDKB using 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT. | R2 |
| Set 7-5/8" posiset plug with top of seal at m MDKB then dump approximately 1m of cement on top. | R3 |
| GOC @ 2084 m MDKB, OWC @ 2589 m MDKB. | R4 |
| Perforation interval: 3525m to 3527.5m MDKB. | R5 |
| CCL to top shot = 4.0m | R6 |
| CCL Stop Depth = 3521 m MDKB | R7 |
| Before gun shot: SBHT = degF SBHP = psia | R8 |
| After gun shot: SBHT = degF SBHP = psia | R9 |
| Top of seal @ m MDKB | R11 |
| CCL to top of seal = m | R12 |
| CCL Stop Depth: m MDKB | R13 |
| Dump Bailers: | R14 |
| CCL to bottom of bailer = 11m | R15 |
| 2 cement runs were made with 1-11/16", 32ft long dump bailers. | R16 |
| Schlumberger crews: P.Lawerence, Z Casey, G Martin, C Shiells | R17 |

| | | | | | | |
|----------------|----------|-------------|-------------------|----------|---------------|------------|
| Origin: 17 | | | | | | |
| Index Type | Start | Stop | Spacing | Channels | Index Channel | Frame Name |
| BOREHOLE-DEPTH | 3501.39 | 3438.75 m | -60.0 (0.1 in) up | 22 | TDEP | 60B |
| | 11487.50 | 11282.00 ft | | | | |
| BOREHOLE-DEPTH | 3501.39 | 3438.78 m | -10.0 (0.1 in) up | 10 | TDEP;1 | 10B |
| | 11487.50 | 11282.08 ft | | | | |

| | | | | |
|--|--|------------------------------|--------------|--|
| Defining Origin: 17 | | | | |
| File ID: PERFO_034LUP File Type: DEPTH LOG | | | | |
| Producer Name: Schlumberger | | Product/Version: OP 15C0-309 | File Set: 41 | File Number: 33 1-FEB-2008 16:30:32 |
| Company Name: Esso Australia Pty Ltd. | | | | |
| Well Name: A-25a | | | | |
| Field Name: Flounder | | | | |
| Tool String: MWP_GUN, MWPT-CA, MWGT-AA | | | | |
| Computations: WELLCAD, BORDYN | | | | |

No errors detected in file.

| | | | | | | |
|----------------------------|--|--------------------------------------|--|--|------------|--|
| Origin: 17 | | | | | | |
| Well Data | | | | | | |
| Company Name | | Esso Australia Pty Ltd. | | | CN | |
| Well Name | | A-25a | | | WN | |
| Field Name | | Flounder | | | FN | |
| Rig: | | Crane | | | CLAB, COUN | |
| State: | | Victoria | | | SLAB, STAT | |
| Nation | | Australia | | | NATI | |
| Field Location | | Gippsland | | | FL | |
| | | Basin | | | FL1 | |
| | | Bass Strait | | | FL2 | |
| Service Order Number | | AUSL07336276 | | | SON | |
| Longitude | | 148° 06' 15.10"E | | | LONG | |
| Latitude | | 38° 18' 45.24"S | | | LATI | |
| Maximum Hole Deviation | | 59.2 (deg) | | | MHD | |
| Elevation of Kelly Bushing | | 40.8 (m) | | | EKB | |
| Elevation of Ground Level | | -94.0 (m) | | | EGL | |
| Elevation of Derrick Floor | | 40.8 (m) | | | EDF | |
| Permanent Datum | | M.S.L | | | PDAT, EPD | |
| Log Measured From | | K.B | | | LMF, APD | |
| Drilling Measured From | | K.B | | | DMF | |
| | | Elevation of Permanent Datum 0.0 (m) | | | | |
| | | Above Permanent Datum 40.8 (m) | | | | |

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

| | | | | | | |
|------------------------|--|---------------|--|--|------|--|
| Job Data | | | | | | |
| Date as Month-Day-Year | | 1-Feb-2008 | | | DATE | |
| Run Number | | 1 through 5 | | | RUN | |
| Total Depth - Driller | | 3935.0 (m) | | | TDD | |
| Total Depth - Logger | | 3529.0 (m) | | | TDL | |
| Bottom Log Interval | | 2500.0 (m) | | | BLI | |
| Top Log Interval | | 7808.4 (m) | | | TLI | |
| Current Casing Size | | 7.63 (in) | | | CSIZ | |
| Casing Depth From | | 19.6 (m) | | | CDF | |
| Casing Depth To | | 3903.0 (m) | | | CADT | |
| Casing Grade | | L-80 | | | CASG | |
| Casing Weight | | 29.7 (lbm/ft) | | | CWEI | |
| Bit Size | | 9.88 (in) | | | BS | |

| | | | | |
|---|----------------------|-----------------------|---------------|------------|
| Bit Size Depth From | 816.0 (m) | | | BSDF |
| Bit Size Depth To | 3935.0 (m) | | | BSDT |
| Date Logger At Bottom | 1-Feb-2008 | Time Logger At Bottom | 11:00 | DLAB, TLAB |
| Logging Unit Number | 889 | Logging Unit Location | Prod 4 / AUSL | LUN, LUL |
| Engineer's Name | S Gilbert / C.Rowand | | | ENGI |
| Witness's Name | B White / J.D. | | | WITN |
| Service Order Number | AUSL07336276 | | | SON |
| Mud Data | | | | |
| Drilling Fluid Type | Production Fluids | | | DFT |
| Maximum Recorded Temperature | 229.0 (degF) | | | MRT |
| | 229.0 (degF) | | | MRT1 |
| Date Logger At Bottom | 1-Feb-2008 | 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 | | | | |
| PVT Data | | | | |
| Absent Valued Parameters: ODN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR | | | | |
| Cement Data | | | | |
| Cement Job Type | Primary | | | CJT |
| Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA | | | | |
| Remarks | | | | |
| Log correlated to ExxonMobil Solar Composite Log supplied with logging program. | | | | R1 |
| Objectives: Perforate the well over the interval 3525m 3527.5m MDKB using 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT. | | | | R2 |
| Set 7-5/8" posiset plug with top of seal at m MDKB then dump approximately 1m of cement on top. | | | | R3 |
| GOC @ 2084 m MDKB, OWC @ 2589 m MDKB. | | | | R4 |
| Perforation interval: 3525m to 3527.5m MDKB. | | | | R5 |
| CCL to top shot = 4.0m | | | | R6 |
| CCL Stop Depth = 3521 m MDKB | | | | R7 |
| Before gun shot: SBHT = degF SBHP = psia | | | | R8 |
| After gun shot: SBHT = degF SBHP = psia | | | | R9 |
| Top of seal @ m MDKB | | | | R11 |
| CCL to top of seal = m | | | | R12 |
| CCL Stop Depth: m MDKB | | | | R13 |
| Dump Bailers: | | | | R14 |
| CCL to bottom of bailer = 11m | | | | R15 |
| 2 cement runs were made with 1-11/16", 32ft long dump bailers. | | | | R16 |
| Schlumberger crews: P.Lawrence, Z Casey, G Martin, C Shiells | | | | R17 |

| | | | | | | |
|---|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| Frame Summary File: PERFO_034LUP Sequence: 3 | | | | | | |
| Origin: 17 | | | | | | |
| <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 | 3523.64 | 3467.40 m | -60.0 (0.1 in) up | 22 | TDEP | 60B |
| | 11560.50 | 11376.00 ft | | | | |
| BOREHOLE-DEPTH | 3523.64 | 3467.43 m | -10.0 (0.1 in) up | 10 | TDEP;1 | 10B |
| | 11560.50 | 11376.08 ft | | | | |

| | | | | | | |
|---|---------------------------|------------------------------|--------------------|-----------------|---------------------|--|
| File Header | | File: PERFO_035LTP | Sequence: 4 | | | |
| Defining Origin: 17 | | | | | | |
| File ID: PERFO_035LTP File Type: STATION | | | | | | |
| Producer Name: Schlumberger | | Product/Version: OP 15C0-309 | File Set: 41 | File Number: 34 | 1-FEB-2008 16:31:37 | |
| Company Name: | Esso Australia Pty Ltd. | | | | | |
| Well Name: | A-25a | | | | | |
| Field Name: | Flounder | | | | | |
| Tool String: | MWP_GUN, MWPT-CA, MWGT-AA | | | | | |
| Computations: | WELLCAD, BORDYN | | | | | |

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|---|--|--|--|--|--|--|
| Error Summary File: PERFO_035LTP Sequence: 4 | | | | | | |
| No errors detected in file. | | | | | | |

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|--|-------------------------|--|--|--|--|--|
| Well Site Data File: PERFO_035LTP Sequence: 4 | | | | | | |
| Origin: 17 | | | | | | |
| Well Data | | | | | | |
| Company Name | Esso Australia Pty Ltd. | | | | | |

| | | |
|--------------------------------------|-------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | A-25a | WN |
| Field Name | Flounder | FN |
| Rig: | Crane | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | AUSL07336276 | SON |
| Longitude | 148° 06' 15.10"E | LONG |
| Latitude | 38° 18' 45.24"S | LATI |
| Maximum Hole Deviation | 59.2 (deg) | MHD |
| Elevation of Kelly Bushing | 40.8 (m) | EKB |
| Elevation of Ground Level | -94.0 (m) | EGL |
| Elevation of Derrick Floor | 40.8 (m) | EDF |
| Permanent Datum | M.S.L | PDAT, EPD |
| Log Measured From | K.B | LMF, APD |
| Drilling Measured From | K.B | DMF |
| Elevation of Permanent Datum 0.0 (m) | | |
| Above Permanent Datum 40.8 (m) | | |

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

Job Data

| | | |
|-------------------------------------|----------------------|------------|
| Date as Month–Day–Year | 1–Feb–2008 | DATE |
| Run Number | 1 through 5 | RUN |
| Total Depth – Driller | 3935.0 (m) | TDD |
| Total Depth – Logger | 3529.0 (m) | TDL |
| Bottom Log Interval | 2500.0 (m) | BLI |
| Top Log Interval | 7808.4 (m) | TLI |
| Current Casing Size | 7.63 (in) | CSIZ |
| Casing Depth From | 19.6 (m) | CDF |
| Casing Depth To | 3903.0 (m) | CADT |
| Casing Grade | L–80 | CASG |
| Casing Weight | 29.7 (lbm/ft) | CWEI |
| Bit Size | 9.88 (in) | BS |
| Bit Size Depth From | 816.0 (m) | BSDF |
| Bit Size Depth To | 3935.0 (m) | BSDT |
| Date Logger At Bottom | 1–Feb–2008 | DLAB, TLAB |
| Logging Unit Number | 889 | LUN, LUL |
| Engineer's Name | S Gilbert / C.Rowand | ENGI |
| Witness's Name | B White / J.D. | WITN |
| Service Order Number | AUSL07336276 | SON |
| Time Logger At Bottom 11:00 | | |
| Logging Unit Location Prod 4 / AUSL | | |

Mud Data

| | | |
|------------------------------|-------------------|------------|
| Drilling Fluid Type | Production Fluids | DFT |
| Maximum Recorded Temperature | 229.0 (degF) | MRT |
| | 229.0 (degF) | MRT1 |
| Date Logger At Bottom | 1–Feb–2008 | 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 Solar Composite Log supplied with logging program. | R1 |
| Objectives: Perforate the well over the interval 3525m 3527.5m MDKB using 2–1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT. | R2 |
| Set 7–5/8" posiset plug with top of seal at m MDKB then dump approximately 1m of cement on top. | R3 |
| GOC @ 2084 m MDKB, OWC @ 2589 m MDKB. | R4 |
| Perforation interval: 3525m to 3527.5m MDKB. | R5 |
| CCL to top shot = 4.0m | R6 |
| CCL Stop Depth = 3521 m MDKB | R7 |
| Before gun shot: SBHT = degF SBHP = psia | R8 |
| After gun shot: SBHT = degF SBHP = psia | R9 |
| Top of seal @ m MDKB | R11 |
| CCL to top of seal = m | R12 |
| CCL Stop Depth: m MDKB | R13 |
| Dump Bailers: | R14 |
| CCL to bottom of bailer = 11m | R15 |
| 2 cement runs were made with 1–11/16", 32ft long dump bailers. | R16 |
| Schlumberger crews: P.Lawerence, Z Casey, G Martin, C Shiells | R17 |

Origin: 17

| <u>Index</u> <u>Type</u> | <u>Start</u> | <u>Stop</u> | <u>Spacing</u> | <u>Channels</u> | <u>Index</u> <u>Channel</u> | <u>Frame</u> <u>Name</u> |
|--------------------------|--------------|-------------|-----------------|-----------------|-----------------------------|--------------------------|
| TIME | 5548.34 | 6291.34 s | 2000.0 (0.5 ms) | 7 | TIME;2 | 2000T |
| TIME | 5548.34 | 6291.34 s | 1000.0 (0.5 ms) | 14 | TIME;4 | 1000T |
| TIME | 5548.34 | 6291.59 s | 500.0 (0.5 ms) | 4 | TIME;5 | 500T |

File HeaderFile: PERFO_042PUPSequence: 5

Defining Origin: 67

| | | | | | |
|-----------------------------|------------------------------|--------------|-----------------|---------------------|--|
| File ID: PERFO_042PUP | File Type: PLAYBACK | | | | |
| Producer Name: Schlumberger | Product/Version: OP 15C0–309 | File Set: 41 | File Number: 46 | 1–FEB–2008 20:02:47 | |
| Company Name: | Esso Australia Pty Ltd. | | | | |
| Well Name: | A–25a | | | | |
| Field Name: | Flounder | | | | |
| Tool String: | MWPT–CA, MWGT–AA | | | | |
| Computations: | WELLCAD, BORDYN | | | | |

Error SummaryFile: PERFO_042PUPSequence: 5

No errors detected in file.

Well Site DataFile: PERFO_042PUPSequence: 5

Origin: 67

Well Data

| | | |
|----------------------------|------------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | A–25a | WN |
| Field Name | Flounder | FN |
| Rig: | Crane | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | AUSL07336276 | SON |
| Longitude | 148° 06' 15.10"E | LONG |
| Latitude | 38° 18' 45.24"S | LATI |
| Maximum Hole Deviation | 59.2 (deg) | MHD |
| Elevation of Kelly Bushing | 40.8 (m) | EKB |
| Elevation of Ground Level | –94.0 (m) | EGL |
| Elevation of Derrick Floor | 40.8 (m) | EDF |
| Permanent Datum | M.S.L. | PDAT, EPD |
| Log Measured From | K.B | LMF, APD |
| Drilling Measured From | K.B | DMF |
| | Elevation of Permanent Datum | 0.0 (m) |
| | Above Permanent Datum | 40.8 (m) |

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

Job Data

| | | |
|------------------------|---------------|------|
| Date as Month–Day–Year | 1–Feb–2008 | DATE |
| Run Number | 1 through 5 | RUN |
| Total Depth – Driller | 3935.0 (m) | TDD |
| Total Depth – Logger | 3529.0 (m) | TDL |
| Bottom Log Interval | 2500.0 (m) | BLI |
| Top Log Interval | 7808.4 (m) | TLI |
| Current Casing Size | 7.63 (in) | CSIZ |
| Casing Depth From | 19.6 (m) | CDF |
| Casing Depth To | 3903.0 (m) | CADT |
| Casing Grade | L–80 | CASG |
| Casing Weight | 29.7 (lbm/ft) | CWEI |

| | | | | | |
|---|-------------------------|------------------------------|-------------------|--------------|-----------------|
| Bit Size | 9.88 (in) | | | | BS |
| Bit Size Depth From | 816.0 (m) | | | | BSDF |
| Bit Size Depth To | 3935.0 (m) | | | | BSDT |
| Date Logger At Bottom | 1–Feb–2008 | Time Logger At Bottom | 11:00 | | DLAB, TLAB |
| Logging Unit Number | 889 | Logging Unit Location | Prod 4 / AUSL | | LUN, LUL |
| Engineer's Name | S Gilbert / C.Rowand | | | | ENGI |
| Witness's Name | B White / J.D. | | | | WITN |
| Service Order Number | AUSL07336276 | | | | SON |
| Mud Data | | | | | |
| Drilling Fluid Type | Production Fluids | | | | DFT |
| Maximum Recorded Temperature | 229.0 (degF) | | | | MRT |
| | 229.0 (degF) | | | | MRT1 |
| Date Logger At Bottom | 1–Feb–2008 | Time Logger At Bottom | 11:00 | | DLAB, TLAB |
| Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS | | | | | |
| PVT Data | | | | | |
| Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR | | | | | |
| Cement Data | | | | | |
| Cement Job Type | Primary | | | | CJT |
| Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA | | | | | |
| Remarks | | | | | |
| Log correlated to ExxonMobil Solar Composite Log supplied with logging program. | | | | | R1 |
| Objectives: Perforate the well over the interval 3525m 3527.5m MDKB using 2–1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT. | | | | | R2 |
| Set 7–5/8" posiset plug with top of seal at m MDKB then dump approximately 1m of cement on top. | | | | | R3 |
| GOC @ 2084 m MDKB, OWC @ 2589 m MDKB. | | | | | R4 |
| Perforation interval: 3525m to 3527.5m MDKB. | | | | | R5 |
| CCL to top shot = 4.0m | | | | | R6 |
| CCL Stop Depth = 3521 m MDKB | | | | | R7 |
| Before gun shot: SBHT = 226.2 degF SBHP = 3050.53 psia | | | | | R8 |
| After gun shot: SBHT = 227.9 degF SBHP = 3050.45 psia | | | | | R9 |
| Top of seal @ 3528.5 m MDKB | | | | | R11 |
| CCL to top of seal = m | | | | | R12 |
| CCL Stop Depth: m MDKB | | | | | R13 |
| Dump Bailers: | | | | | R14 |
| CCL to bottom of bailer = 11m | | | | | R15 |
| 2 cement runs were made with 1–11/16", 32ft long dump bailers. | | | | | R16 |
| Schlumberger crews: P.Lawerence, Z Casey, G Martin, C Shiells | | | | | R17 |
| Other Services | | | | | |
| None | | | | | OS1 |
| Frame Summary File: PERFO_042PUP Sequence: 5 | | | | | |
| Origin: 67 | | | | | |
| Index Type | Start | Stop | Spacing | Channels | Index Channel |
| BOREHOLE–DEPTH | 3528.82 | 3450.34 m | –60.0 (0.1 in) up | 22 | TDEP |
| | 11577.50 | 11320.00 ft | | | |
| BOREHOLE–DEPTH | 3528.82 | 3450.36 m | –10.0 (0.1 in) up | 10 | TDEP;1 |
| | 11577.50 | 11320.08 ft | | | |
| File Header File: CCL_051LUP Sequence: 6 | | | | | |
| Defining Origin: 4 | | | | | |
| File ID: CCL_051LUP File Type: DEPTH LOG | | | | | |
| Producer Name: Schlumberger | | Product/Version: OP 15C0–309 | | File Set: 41 | File Number: 55 |
| 2–FEB–2008 0:36:30 | | | | | |
| Company Name: | Esso Australia Pty Ltd. | | | | |
| Well Name: | A–25a | | | | |
| Field Name: | Flounder | | | | |
| Tool String: | MPEX–DA, MPSU–CA, CCL–I | | | | |
| Computations: | WELLCAD, BORDYN | | | | |
| Error Summary File: CCL_051LUP Sequence: 6 | | | | | |
| No errors detected in file. | | | | | |

Well Site DataFile: **CCL_051LUP** Sequence: **6****Origin: 4****Well Data**

| | | |
|----------------------------|--------------------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | A-25a | WN |
| Field Name | Flounder | FN |
| Rig: | Crane | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | AUSL07336276 | SON |
| Longitude | 148° 06' 15.10"E | LONG |
| Latitude | 38° 18' 45.24"S | LATI |
| Maximum Hole Deviation | 59.2 (deg) | MHD |
| Elevation of Kelly Bushing | 40.8 (m) | EKB |
| Elevation of Ground Level | -94.0 (m) | EGL |
| Elevation of Derrick Floor | 40.8 (m) | EDF |
| Permanent Datum | M.S.L | PDAT, EPD |
| Log Measured From | K.B | LMF, APD |
| Drilling Measured From | K.B | DMF |
| | Elevation of Permanent Datum 0.0 (m) | |
| | Above Permanent Datum 40.8 (m) | |

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

Job Data

| | | |
|------------------------|-------------------------------------|------------|
| Date as Month-Day-Year | 1-Feb-2008 | DATE |
| Run Number | 1 through 5 | RUN |
| Total Depth - Driller | 3935.0 (m) | TDD |
| Total Depth - Logger | 3529.0 (m) | TDL |
| Bottom Log Interval | 2500.0 (m) | BLI |
| Top Log Interval | 7808.4 (m) | TLI |
| Current Casing Size | 7.63 (in) | CSIZ |
| Casing Depth From | 19.6 (m) | CDF |
| Casing Depth To | 3903.0 (m) | CADT |
| Casing Grade | L-80 | CASG |
| Casing Weight | 29.7 (lbm/ft) | CWEI |
| Bit Size | 9.88 (in) | BS |
| Bit Size Depth From | 816.0 (m) | BSDF |
| Bit Size Depth To | 3935.0 (m) | BSDT |
| Date Logger At Bottom | 1-Feb-2008 | DLAB, TLAB |
| Logging Unit Number | 889 | LUN, LUL |
| Engineer's Name | S Gilbert / C.Rowand | ENGI |
| Witness's Name | B White / J.D. | WITN |
| Service Order Number | AUSL07336276 | SON |
| | Time Logger At Bottom 11:00 | |
| | Logging Unit Location Prod 4 / AUSL | |

Mud Data

| | | |
|------------------------------|-----------------------------|------------|
| Drilling Fluid Type | Production Fluids | DFT |
| Maximum Recorded Temperature | 229.0 (degF) | MRT |
| | 229.0 (degF) | MRT1 |
| Date Logger At Bottom | 1-Feb-2008 | 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 Solar Composite Log supplied with logging program. | R1 |
| Objectives: Perforate the well over the interval 3525m 3527.5m MDKB using 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT. | R2 |
| Set 7-5/8" posiset plug with top of seal at m MDKB then dump approximately 1m of cement on top. | R3 |
| GOC @ 2084 m MDKB, OWC @ 2589 m MDKB. | R4 |
| Perforation interval: 3525m to 3527.5m MDKB. | R5 |
| CCL to top shot = 4.0m | R6 |
| CCL Stop Depth = 3521 m MDKB | R7 |
| Before gun shot: SBHT = 226.2 degF SBHP = 3050.53 psia | R8 |
| After gun shot: SBHT = 227.9 degF SBHP = 3050.45 psia | R9 |
| Top of seal @ 3528.5 m MDKB | R11 |
| CCL to top of seal = m | R12 |
| CCL Stop Depth: m MDKB | R13 |

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|-----|
| CCL Stop Depth: 111mDRB | | | | | | | | | R13 |
| Dump Bailer: | | | | | | | | | R14 |
| CCL to bottom of bailer = 11m | | | | | | | | | R15 |
| 2 cement runs were made with 1-11/16", 32ft long dump bailers. | | | | | | | | | R16 |
| Schlumberger crews: P.Lawrence, Z Casey, G Martin, C Shiells | | | | | | | | | R17 |
| Other Services | | | | | | | | | |
| None | | | | | | | | | OS1 |

| | | | | | | | | | |
|-------------------|------------------|-------------|-------------------|-----------------|----------------------|-------------------|--|--|--|
| Frame Summary | File: CCL_051LUP | Sequence: 6 | | | | | | | |
| Origin: 4 | | | | | | | | | |
| <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 | 3130.91 | 3090.82 m | -60.0 (0.1 in) up | 11 | TDEP | 60B | | | |
| | 10272.00 | 10140.50 ft | | | | | | | |
| BOREHOLE-DEPTH | 3130.91 | 3090.70 m | -10.0 (0.1 in) up | 7 | TDEP;1 | 10B | | | |
| | 10272.00 | 10140.08 ft | | | | | | | |

| | | | | | | | | | |
|-----------------------------|------------------------------|--------------|-----------------|--------------------|--|--|--|--|--|
| File Header | File: CCL_054LUP | Sequence: 7 | | | | | | | |
| Defining Origin: 4 | | | | | | | | | |
| File ID: CCL_054LUP | File Type: DEPTH LOG | | | | | | | | |
| Producer Name: Schlumberger | Product/Version: OP 15C0-309 | File Set: 41 | File Number: 58 | 2-FEB-2008 1:03:03 | | | | | |
| Company Name: | Esso Australia Pty Ltd. | | | | | | | | |
| Well Name: | A-25a | | | | | | | | |
| Field Name: | Flounder | | | | | | | | |
| Tool String: | MPEX-DA, MPSU-CA, CCL-I | | | | | | | | |
| Computations: | WELLCAD, BORDYN | | | | | | | | |

| | | | | | | | | | |
|-----------------------------|------------------|-------------|--|--|--|--|--|--|--|
| Error Summary | File: CCL_054LUP | Sequence: 7 | | | | | | | |
| No errors detected in file. | | | | | | | | | |

| | | | | | | | | | |
|---|-------------------------|------------------------------|----------|--|--|--|--|--|------------|
| Well Site Data | File: CCL_054LUP | Sequence: 7 | | | | | | | |
| Origin: 4 | | | | | | | | | |
| Well Data | | | | | | | | | |
| Company Name | Esso Australia Pty Ltd. | | | | | | | | CN |
| Well Name | A-25a | | | | | | | | WN |
| Field Name | Flounder | | | | | | | | FN |
| Rig: | Crane | | | | | | | | CLAB, COUN |
| State: | Victoria | | | | | | | | SLAB, STAT |
| Nation | Australia | | | | | | | | NATI |
| Field Location | Gippsland | | | | | | | | FL |
| | Basin | | | | | | | | FL1 |
| | Bass Strait | | | | | | | | FL2 |
| Service Order Number | AUSL07336276 | | | | | | | | SON |
| Longitude | 148° 06' 15.10"E | | | | | | | | LONG |
| Latitude | 38° 18' 45.24"S | | | | | | | | LATI |
| Maximum Hole Deviation | 59.2 (deg) | | | | | | | | MHD |
| Elevation of Kelly Bushing | 40.8 (m) | | | | | | | | EKB |
| Elevation of Ground Level | -94.0 (m) | | | | | | | | EGL |
| Elevation of Derrick Floor | 40.8 (m) | | | | | | | | EDF |
| Permanent Datum | M.S.L | Elevation of Permanent Datum | 0.0 (m) | | | | | | PDAT, EPD |
| Log Measured From | K.B | Above Permanent Datum | 40.8 (m) | | | | | | LMF, APD |
| Drilling Measured From | K.B | | | | | | | | DMF |
| Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN | | | | | | | | | |
| Job Data | | | | | | | | | |
| Date as Month-Day-Year | 1-Feb-2008 | | | | | | | | DATE |
| Run Number | 1 through 5 | | | | | | | | RUN |
| Total Depth - Driller | 3935.0 (m) | | | | | | | | TDD |
| Total Depth - Logger | 3529.0 (m) | | | | | | | | TDL |
| Bottom Log Interval | 2500.0 (m) | | | | | | | | BLI |
| Top Log Interval | 7808.4 (m) | | | | | | | | TLI |
| Current Casing Size | 7.63 (in) | | | | | | | | CSIZ |
| Casing Depth From | 19.6 (m) | | | | | | | | CDF |
| Casing Depth To | 3903.0 (m) | | | | | | | | CADT |
| Casing Grade | L-80 | | | | | | | | CASG |
| Casing Weight | 29.7 (lbm/ft) | | | | | | | | CWEI |
| Bit Size | 9.88 (in) | | | | | | | | BS |
| Bit Size Depth From | 342.0 (m) | | | | | | | | BSDF |

Error Summary File: **CCL_057LUP** Sequence: **8**

Origin: 4

Well Data

| | | | |
|----------------------------|-------------------------|--------------------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | | CN |
| Well Name | A-25a | | WN |
| Field Name | Flounder | | FN |
| Rig: | Crane | | CLAB, COUN |
| State: | Victoria | | SLAB, STAT |
| Nation | Australia | | NATI |
| Field Location | Gippsland | | FL |
| | Basin | | FL1 |
| | Bass Strait | | FL2 |
| Service Order Number | AUSL07336276 | | SON |
| Longitude | 148° 06' 15.10"E | | LONG |
| Latitude | 38° 18' 45.24"S | | LATI |
| Maximum Hole Deviation | 59.2 (deg) | | MHD |
| Elevation of Kelly Bushing | 40.8 (m) | | EKB |
| Elevation of Ground Level | -94.0 (m) | | EGL |
| Elevation of Derrick Floor | 40.8 (m) | | EDF |
| Permanent Datum | M.S.L | Elevation of Permanent Datum 0.0 (m) | PDAT, EPD |
| Log Measured From | K.B | Above Permanent Datum 40.8 (m) | LMF, APD |
| Drilling Measured From | K.B | | DMF |

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

Job Data

| | | | |
|------------------------|----------------------|-------------------------------------|------------|
| Date as Month-Day-Year | 1-Feb-2008 | | DATE |
| Run Number | 1 through 5 | | RUN |
| Total Depth - Driller | 3935.0 (m) | | TDD |
| Total Depth - Logger | 3529.0 (m) | | TDL |
| Bottom Log Interval | 2500.0 (m) | | BLI |
| Top Log Interval | 7808.4 (m) | | TLI |
| Current Casing Size | 7.63 (in) | | CSIZ |
| Casing Depth From | 19.6 (m) | | CDF |
| Casing Depth To | 3903.0 (m) | | CADT |
| Casing Grade | L-80 | | CASG |
| Casing Weight | 29.7 (lbm/ft) | | CWEI |
| Bit Size | 9.88 (in) | | BS |
| Bit Size Depth From | 816.0 (m) | | BSDF |
| Bit Size Depth To | 3935.0 (m) | | BSDT |
| Date Logger At Bottom | 1-Feb-2008 | Time Logger At Bottom 11:00 | DLAB, TLAB |
| Logging Unit Number | 889 | Logging Unit Location Prod 4 / AUSL | LUN, LUL |
| Engineer's Name | S Gilbert / C.Rowand | | ENGI |
| Witness's Name | B White / J.D. | | WITN |
| Service Order Number | AUSL07336276 | | SON |

Mud Data

| | | | |
|------------------------------|-------------------|-----------------------------|------------|
| Drilling Fluid Type | Production Fluids | | DFT |
| Maximum Recorded Temperature | 229.0 (degF) | | MRT |
| | 229.0 (degF) | | MRT1 |
| Date Logger At Bottom | 1-Feb-2008 | Time Logger At Bottom 11:00 | DLAB, TLAB |

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

PVT Data

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

Cement Data

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

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

Remarks

| | | |
|---|--|-----|
| Log correlated to ExxonMobil Solar Composite Log supplied with logging program. | | R1 |
| Objectives: Perforate the well over the interval 3525m 3527.5m MDKB using 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT. | | R2 |
| Set 7-5/8" posiset plug with top of seal at m MDKB then dump approximately 1m of cement on top. | | R3 |
| GOC @ 2084 m MDKB, OWC @ 2589 m MDKB. | | R4 |
| Perforation interval: 3525m to 3527.5m MDKB. | | R5 |
| CCL to top shot = 4.0m | | R6 |
| CCL Stop Depth = 3521 m MDKB | | R7 |
| Before gun shot: SBHT = 226.2 degF SBHP = 3050.53 psia | | R8 |
| After gun shot: SBHT = 227.9 degF SBHP = 3050.45 psia | | R9 |
| Top of seal @ 3528.5 m MDKB | | R11 |
| CCL to top of seal = m | | R12 |

R13
R14
R15
R16
R17

None OS1

Origin: 4

| <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 | 11708.89 m | -60.0 (0.1 in) up | 11 | TDEP | 60B |
| | 40000.00 | 38415.00 ft | | | | |
| BOREHOLE-DEPTH | 12192.00 | 11708.92 m | -10.0 (0.1 in) up | 4 | TDEP;1 | 10B |
| | 40000.00 | 38415.08 ft | | | | |

Defining Origin: 4

Producer Name: Schlumberger Product/Version: OP 15C0-309 File Set: 41 File Number: 62 2-FEB-2008 1:55:06

Product/Version: OP 15C0-309

File Set: 41

File Number: 62

2-FEB-2008 1:55:06

Company Name: Esso Australia Pty Ltd.

Well Name: A-25a

Field Name: Flounder

Tool String: MPEX-DA, MPSU-CA, CCL-I

Computations: WELLCAD, BORDYN

No errors detected in file.

Origin: 4

| | | |
|----------------------------|-------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | A-25a | WN |
| Field Name | Flounder | FN |
| Rig: | Crane | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | AUSL07336276 | SON |
| Longitude | 148° 06' 15.10"E | LONG |
| Latitude | 38° 18' 45.24"S | LATI |
| Maximum Hole Deviation | 59.2 (deg) | MHD |
| Elevation of Kelly Bushing | 40.8 (m) | EKB |
| Elevation of Ground Level | -94.0 (m) | EGL |
| Elevation of Derrick Floor | 40.8 (m) | EDF |
| Permanent Datum | M.S.L | PDAT, EPD |
| Log Measured From | K.B | LMF, APD |
| Drilling Measured From | K.B | DMF |

Job Data

| | | |
|------------------------|-------------|------|
| Date as Month–Day–Year | 1–Feb–2008 | DATE |
| Run Number | 1 through 5 | RUN |
| Total Depth – Driller | 3935.0 (m) | TDD |
| Total Depth – Logger | 3529.0 (m) | TDL |
| Bottom Log Interval | 2500.0 (m) | BLI |

| | | | | |
|---|----------------------|-----------------------|---------------|------------|
| Top Log Interval | 7808.4 (m) | | | TLI |
| Current Casing Size | 7.63 (in) | | | CSIZ |
| Casing Depth From | 19.6 (m) | | | CDF |
| Casing Depth To | 3903.0 (m) | | | CADT |
| Casing Grade | L-80 | | | CASG |
| Casing Weight | 29.7 (lbm/ft) | | | CWEI |
| Bit Size | 9.88 (in) | | | BS |
| Bit Size Depth From | 816.0 (m) | | | BSDF |
| Bit Size Depth To | 3935.0 (m) | | | BSDT |
| Date Logger At Bottom | 1-Feb-2008 | Time Logger At Bottom | 11:00 | DLAB, TLAB |
| Logging Unit Number | 889 | Logging Unit Location | Prod 4 / AUSL | LUN, LUL |
| Engineer's Name | S Gilbert / C.Rowand | | | ENGI |
| Witness's Name | B White / J.D. | | | WITN |
| Service Order Number | AUSL07336276 | | | SON |
| Mud Data | | | | |
| Drilling Fluid Type | Production Fluids | | | DFT |
| Maximum Recorded Temperature | 229.0 (degF) | | | MRT |
| | 229.0 (degF) | | | MRT1 |
| Date Logger At Bottom | 1-Feb-2008 | Time Logger At Bottom | 11:00 | DLAB, TLAB |
| Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS | | | | |
| PVT Data | | | | |
| Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR | | | | |
| Cement Data | | | | |
| Cement Job Type | Primary | | | CJT |
| Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA | | | | |
| Remarks | | | | |
| Log correlated to ExxonMobil Solar Composite Log supplied with logging program. | | | | R1 |
| Objectives: Perforate the well over the interval 3525m 3527.5m MDKB using 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT. | | | | R2 |
| Set 7-5/8" posiset plug with top of seal at m MDKB then dump approximately 1m of cement on top. | | | | R3 |
| GOC @ 2084 m MDKB, OWC @ 2589 m MDKB. | | | | R4 |
| Perforation interval: 3525m to 3527.5m MDKB. | | | | R5 |
| CCL to top shot = 4.0m | | | | R6 |
| CCL Stop Depth = 3521 m MDKB | | | | R7 |
| Before gun shot: SBHT = 226.2 degF SBHP = 3050.53 psia | | | | R8 |
| After gun shot: SBHT = 227.9 degF SBHP = 3050.45 psia | | | | R9 |
| Top of seal @ 3528.5 m MDKB | | | | R11 |
| CCL to top of seal = m | | | | R12 |
| CCL Stop Depth: m MDKB | | | | R13 |
| Dump Bailers: | | | | R14 |
| CCL to bottom of bailer = 11m | | | | R15 |
| 2 cement runs were made with 1-11/16", 32ft long dump bailers. | | | | R16 |
| Schlumberger crews: P.Lawerence, Z Casey, G Martin, C Shiells | | | | R17 |
| Other Services | | | | |
| None | | | | OS1 |

| | | | | | | |
|--|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| Frame Summary File: CCL_058LUP Sequence: 9 | | | | | | |
| Origin: 4 | | | | | | |
| <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 | 3521.20 | 3434.79 m | -60.0 (0.1 in) up | 11 | TDEP | 60B |
| | 11552.50 | 11269.00 ft | | | | |
| BOREHOLE-DEPTH | 3521.20 | 3434.82 m | -10.0 (0.1 in) up | 7 | TDEP;1 | 10B |
| | 11552.50 | 11269.08 ft | | | | |

| | | | | |
|---|-------------------------|------------------------------|--------------|---|
| File Header File: PERFO_065LUP Sequence: 10 | | | | |
| Defining Origin: 41 | | | | |
| File ID: PERFO_065LUP File Type: DEPTH LOG | | | | |
| Producer Name: Schlumberger | | Product/Version: OP 15C0-309 | File Set: 41 | File Number: 69 2-FEB-2008 5:46:05 |
| Company Name: | Esso Australia Pty Ltd. | | | |
| Well Name: | A-25a | | | |
| Field Name: | Flounder | | | |
| Tool String: | SHM_GUN, CCL-L | | | |
| Computations: | WELLCAD, BORDYN | | | |

| | | |
|---|--|--|
| Error Summary File: PERFO_065LUP Sequence: 10 | | |
| No errors detected in file. | | |

Well Site Data

File: PERFO_065LUP Sequence: 10

Origin: 41

Well Data

| | | | |
|----------------------------|-------------------------|--------------------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | | CN |
| Well Name | A-25a | | WN |
| Field Name | Flounder | | FN |
| Rig: | Crane | | CLAB, COUN |
| State: | Victoria | | SLAB, STAT |
| Nation | Australia | | NATI |
| Field Location | Gippsland | | FL |
| | Basin | | FL1 |
| | Bass Strait | | FL2 |
| Service Order Number | AUSL07336276 | | SON |
| Longitude | 148° 06' 15.10"E | | LONG |
| Latitude | 38° 18' 45.24"S | | LATI |
| Maximum Hole Deviation | 59.2 (deg) | | MHD |
| Elevation of Kelly Bushing | 40.8 (m) | | EKB |
| Elevation of Ground Level | -94.0 (m) | | EGL |
| Elevation of Derrick Floor | 40.8 (m) | | EDF |
| Permanent Datum | M.S.L | Elevation of Permanent Datum 0.0 (m) | PDAT, EPD |
| Log Measured From | K.B | Above Permanent Datum 40.8 (m) | LMF, APD |
| Drilling Measured From | K.B | | DMF |

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

Job Data

| | | | |
|------------------------|----------------------|-------------------------------------|------------|
| Date as Month-Day-Year | 1-Feb-2008 | | DATE |
| Run Number | 1 through 5 | | RUN |
| Total Depth - Driller | 3935.0 (m) | | TDD |
| Total Depth - Logger | 3529.0 (m) | | TDL |
| Bottom Log Interval | 2500.0 (m) | | BLI |
| Top Log Interval | 7808.4 (m) | | TLI |
| Current Casing Size | 7.63 (in) | | CSIZ |
| Casing Depth From | 19.6 (m) | | CDF |
| Casing Depth To | 3903.0 (m) | | CADT |
| Casing Grade | L-80 | | CASG |
| Casing Weight | 29.7 (lbm/ft) | | CWEI |
| Bit Size | 9.88 (in) | | BS |
| Bit Size Depth From | 816.0 (m) | | BSDF |
| Bit Size Depth To | 3935.0 (m) | | BSDT |
| Date Logger At Bottom | 1-Feb-2008 | Time Logger At Bottom 11:00 | DLAB, TLAB |
| Logging Unit Number | 889 | Logging Unit Location Prod 4 / AUSL | LUN, LUL |
| Engineer's Name | S Gilbert / C.Rowand | | ENGI |
| Witness's Name | B White / J.D. | | WITN |
| Service Order Number | AUSL07336276 | | SON |

Mud Data

| | | | |
|------------------------------|-------------------|-----------------------------|------------|
| Drilling Fluid Type | Production Fluids | | DFT |
| Maximum Recorded Temperature | 229.0 (degF) | | MRT |
| | 229.0 (degF) | | MRT1 |
| Date Logger At Bottom | 1-Feb-2008 | Time Logger At Bottom 11:00 | DLAB, TLAB |

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

PVT Data

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

Cement Data

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

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

Remarks

| | |
|---|-----|
| Log correlated to ExxonMobil Solar Composite Log supplied with logging program. | R1 |
| Objectives: Perforate the well over the interval 3525m 3527.5m MDKB using 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT. | R2 |
| Set 7-5/8" posiset plug with top of seal at m MDKB then dump approximately 1m of cement on top. | R3 |
| GOC @ 2084 m MDKB, OWC @ 2589 m MDKB. | R4 |
| Perforation interval: 3525m to 3527.5m MDKB. | R5 |
| CCL to top shot = 4.0m | R6 |
| CCL Stop Depth = 3521 m MDKB | R7 |
| Before gun shot: SBHT = 226.2 degF SBHP = 3050.53 psia | R8 |
| After gun shot: SBHT = 227.9 degF SBHP = 3050.45 psia | R9 |
| Top of seal @ 3528.5 m MDKB | R11 |
| CCL to top of seal = m | R12 |
| CCL Stop Depth: m MDKB | R13 |

R14
R15
R16
R17

None 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 | 3520.44 | 3434.03 m | -60.0 (0.1 in) up | 11 | TDEP | 60B |
| | 11550.00 | 11266.50 ft | | | | |
| BOREHOLE-DEPTH | 3520.44 | 3434.05 m | -10.0 (0.1 in) up | 7 | TDEP;1 | 10B |
| | 11550.00 | 11266.58 ft | | | | |

| | | | | |
|---|-------------------------|------------------------------|--------------|-----------------|
| File ID: PERFO_070LUP File Type: DEPTH LOG | | | | |
| Producer Name: Schlumberger | | Product/Version: OP 15C0-309 | File Set: 41 | File Number: 74 |
| 2-FEB-2008 8:47:52 | | | | |
| Company Name: | Esso Australia Pty Ltd. | | | |
| Well Name: | A-25a | | | |
| Field Name: | Flounder | | | |
| Tool String: | SHM_GUN, CCL-L | | | |
| Computations: | WELLCAD, BORDYN | | | |

No errors detected in file.

| | | |
|------------------------|-------------|------|
| Date as Month-Day-Year | 1-Feb-2008 | DATE |
| Run Number | 1 through 5 | RUN |
| Total Depth - Driller | 3935.0 (m) | TDD |
| Total Depth - Logger | 3529.0 (m) | TDL |

| | | | | |
|-----------------------|----------------------|-----------------------|---------------|------------|
| Bottom Log Interval | 2500.0 (m) | | | BL |
| Top Log Interval | 7808.4 (m) | | | TLI |
| Current Casing Size | 7.63 (in) | | | CSIZ |
| Casing Depth From | 19.6 (m) | | | CDF |
| Casing Depth To | 3903.0 (m) | | | CADT |
| Casing Grade | L-80 | | | CASG |
| Casing Weight | 29.7 (lbm/ft) | | | CWEI |
| Bit Size | 9.88 (in) | | | BS |
| Bit Size Depth From | 816.0 (m) | | | BSDF |
| Bit Size Depth To | 3935.0 (m) | | | BSDT |
| Date Logger At Bottom | 1-Feb-2008 | Time Logger At Bottom | 11:00 | DLAB, TLAB |
| Logging Unit Number | 889 | Logging Unit Location | Prod 4 / AUSL | LUN, LUL |
| Engineer's Name | S Gilbert / C.Rowand | | | ENGI |
| Witness's Name | B White / J.D. | | | WITN |
| Service Order Number | AUSL07336276 | | | SON |

Mud Data

| | | | | |
|------------------------------|-------------------|-----------------------|-------|------------|
| Drilling Fluid Type | Production Fluids | | | DFT |
| Maximum Recorded Temperature | 229.0 (degF) | | | MRT |
| | 229.0 (degF) | | | MRT1 |
| Date Logger At Bottom | 1-Feb-2008 | Time Logger At Bottom | 11:00 | DLAB, TLAB |

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

PVT Data

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

Cement Data

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

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

Remarks

| | |
|---|-----|
| Log correlated to ExxonMobil Solar Composite Log supplied with logging program. | R1 |
| Objectives: Perforate the well over the interval 3525m 3527.5m MDKB using 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT. | R2 |
| Set 7-5/8" posiset plug with top of seal at m MDKB then dump approximately 1m of cement on top. | R3 |
| GOC @ 2084 m MDKB, OWC @ 2589 m MDKB. | R4 |
| Perforation interval: 3525m to 3527.5m MDKB. | R5 |
| CCL to top shot = 4.0m | R6 |
| CCL Stop Depth = 3521 m MDKB | R7 |
| Before gun shot: SBHT = 226.2 degF SBHP = 3050.53 psia | R8 |
| After gun shot: SBHT = 227.9 degF SBHP = 3050.45 psia | R9 |
| Top of seal @ 3528.5 m MDKB | R11 |
| CCL to top of seal = 7.17m | R12 |
| CCL Stop Depth: 3521.33m MDKB | R13 |
| Dump Bailers: | R14 |
| CCL to bottom of bailer = 11m | R15 |
| 2 cement runs were made with 1-11/16", 32ft long dump bailers. | R16 |
| Schlumberger crews: P.Lawerence, Z Casey, G Martin, C Shiells | R17 |

Other Services

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

Frame Summary File: PERFO_070LUP Sequence: 11

Origin: 41

| Index Type | Start | Stop | Spacing | Channels | Index Channel | Frame Name |
|----------------|----------|-------------|-------------------|----------|---------------|------------|
| BOREHOLE-DEPTH | 3520.14 | 3445.15 m | -60.0 (0.1 in) up | 11 | TDEP | 60B |
| | 11549.00 | 11303.00 ft | | | | |
| BOREHOLE-DEPTH | 3520.14 | 3445.03 m | -10.0 (0.1 in) up | 7 | TDEP;1 | 10B |
| | 11549.00 | 11302.58 ft | | | | |

File Header File: PERFO_074LUP Sequence: 12

Defining Origin: 41

| | | | | | |
|-----------------------------|------------------------------|--------------|-----------------|---------------------|--|
| File ID: PERFO_074LUP | File Type: DEPTH LOG | | | | |
| Producer Name: Schlumberger | Product/Version: OP 15C0-309 | File Set: 41 | File Number: 78 | 2-FEB-2008 11:42:00 | |
| Company Name: | Esso Australia Pty Ltd. | | | | |
| Well Name: | A-25a | | | | |
| Field Name: | Flounder | | | | |
| Tool String: | SHM_GUN, CCL-L | | | | |
| Computations: | WELLCAD, BORDYN | | | | |

| | | |
|-----------------------------|---------------------------|---------------------|
| Error Summary | File: PERFO_074LUP | Sequence: 12 |
| No errors detected in file. | | |

| | | |
|-----------------------|---------------------------|---------------------|
| Well Site Data | File: PERFO_074LUP | Sequence: 12 |
|-----------------------|---------------------------|---------------------|

Origin: 41

Well Data

| | | |
|----------------------------|------------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | A-25a | WN |
| Field Name | Flounder | FN |
| Rig: | Crane | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | AUSL07336276 | SON |
| Longitude | 148° 06' 15.10"E | LONG |
| Latitude | 38° 18' 45.24"S | LATI |
| Maximum Hole Deviation | 59.2 (deg) | MHD |
| Elevation of Kelly Bushing | 40.8 (m) | EKB |
| Elevation of Ground Level | -94.0 (m) | EGL |
| Elevation of Derrick Floor | 40.8 (m) | EDF |
| Permanent Datum | M.S.L | PDAT, EPD |
| Log Measured From | K.B | LMF, APD |
| Drilling Measured From | K.B | DMF |
| | Elevation of Permanent Datum | 0.0 (m) |
| | Above Permanent Datum | 40.8 (m) |

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

Job Data

| | | |
|------------------------|-----------------------|---------------|
| Date as Month-Day-Year | 1-Feb-2008 | DATE |
| Run Number | 1 through 5 | RUN |
| Total Depth – Driller | 3935.0 (m) | TDD |
| Total Depth – Logger | 3529.0 (m) | TDL |
| Bottom Log Interval | 2500.0 (m) | BLI |
| Top Log Interval | 7808.4 (m) | TLI |
| Current Casing Size | 7.63 (in) | CSIZ |
| Casing Depth From | 19.6 (m) | CDF |
| Casing Depth To | 3903.0 (m) | CADT |
| Casing Grade | L-80 | CASG |
| Casing Weight | 29.7 (lbm/ft) | CWEI |
| Bit Size | 9.88 (in) | BS |
| Bit Size Depth From | 816.0 (m) | BSDF |
| Bit Size Depth To | 3935.0 (m) | BSDT |
| Date Logger At Bottom | 1-Feb-2008 | DLAB, TLAB |
| Logging Unit Number | 889 | LUN, LUL |
| Engineer's Name | S Gilbert / C.Rowand | ENGI |
| Witness's Name | B White / J.D. | WITN |
| Service Order Number | AUSL07336276 | SON |
| | Time Logger At Bottom | 11:00 |
| | Logging Unit Location | Prod 4 / AUSL |

Mud Data

| | | |
|------------------------------|-----------------------|------------|
| Drilling Fluid Type | Production Fluids | DFT |
| Maximum Recorded Temperature | 229.0 (degF) | MRT |
| | 229.0 (degF) | MRT1 |
| Date Logger At Bottom | 1-Feb-2008 | 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 Solar Composite Log supplied with logging program. | R1 |
| Objectives: Perforate the well over the interval 3525m 3527.5m MDKB using 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT. | R2 |
| Set 7-5/8" posiset plug with top of seal at m MDKB then dump approximately 1m of cement on top. | R3 |
| GOC @ 2084 m MDKB, OWC @ 2589 m MDKB. | R4 |
| Perforation interval: 3525m to 3527.5m MDKB. | R5 |

CCL to top shot = 4.0m
CCL Stop Depth = 3521 m MDKB
Before gun shot: SBHT = 226.2 degF SBHP = 3050.53 psia
After gun shot: SBHT = 227.9 degF SBHP = 3050.45 psia
Top of seal @ 3528.5 m MDKB
CCL to top of seal = 7.17m
CCL Stop Depth: 3521.33m MDKB
Dump Bailers:
CCL to bottom of bailer = 11m
2 cement runs were made with 1-11/16", 32ft long dump bailers.
Schlumberger crews: P.Lawrence, Z Casey, G Martin, C Shiells

R6
R7
R8
R9
R11
R12
R13
R14
R15
R16
R17

Other Services

None OS1

Frame Summary File: PERFO_074LUP Sequence: 12

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 | 3517.85 | 3447.44 m | -60.0 (0.1 in) up | 11 | TDEP | 60B |
| | 11541.50 | 11310.50 ft | | | | |
| BOREHOLE-DEPTH | 3517.85 | 3447.47 m | -10.0 (0.1 in) up | 7 | TDEP;1 | 10B |
| | 11541.50 | 11310.58 ft | | | | |



Verification Listing

Listing Completed: 2-FEB-2008 12:29:05