

Input Source: D:\OP_Folder\Clients\Ess02008\TNA_A17\GUN\COMP_TNA_A17A_COMP_027.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_018LUP** Sequence: **1**

Defining Origin: 79

File ID: PERFO_018LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0-309 File Set: 41 File Number: 17 20-FEB-2008 15:54:04
Company Name: Esso Australia Pty Ltd.
Well Name: A-17a
Field Name: Tuna
Tool String: MWP_GUN, MWPT-CA, MWGT-AA
Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_018LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_018LUP** Sequence: **1**

Origin: 79

Well Data

| | | |
|----------------------------|--------------------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | A-17a | WN |
| Field Name | Tuna | FN |
| Rig: | Tuna / Mast | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | AUSL07336280 | SON |
| Longitude | 148° 25' 05.29"E | LONG |
| Latitude | 38° 10' 16.00"S | LATI |
| Maximum Hole Deviation | 64.0 (deg) | MHD |
| Elevation of Kelly Bushing | 26.6 (m) | EKB |
| Elevation of Ground Level | 91.4 (m) | EGL |
| Elevation of Derrick Floor | 26.6 (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 26.6 (m) | |

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

Job Data

| | | |
|------------------------|-------------------------------------|------------|
| Date as Month-Day-Year | 20-Feb-2008 | DATE |
| Run Number | 1 | RUN |
| Total Depth - Driller | 3351.0 (m) | TDD |
| Total Depth - Logger | 3340.0 (m) | TDL |
| Bottom Log Interval | 3330.5 (m) | BLI |
| Top Log Interval | 3200.0 (m) | TLI |
| Current Casing Size | 4.50 (in) | CSIZ |
| Casing Depth From | 2766.0 (m) | CDF |
| Casing Depth To | 3424.0 (m) | CADT |
| Casing Grade | L-80 | CASG |
| Casing Weight | 12.6 (lbm/ft) | CWEI |
| Bit Size | 6.00 (in) | BS |
| Bit Size Depth From | 2783.0 (m) | BSDF |
| Bit Size Depth To | 3424.0 (m) | BSDT |
| Date Logger At Bottom | 20-Feb-2008 | DLAB, TLAB |
| Logging Unit Number | 889 | LUN, LUL |
| Engineer's Name | S Gilbert | ENGI |
| Witness's Name | G Rimmer | WITN |
| Service Order Number | AUSL07336280 | SON |
| | Time Logger At Bottom 11:00 | |
| | Logging Unit Location Prod 4 / AUSL | |

Mud Data

| | | | |
|---|-------------|-----------------------|-------|
| Mud Data | | Production Fluids | DFT |
| Drilling Fluid Type | | 230.0 (degF) | MRT |
| Maximum Recorded Temperature | | 230.0 (degF) | MRT1 |
| Date Logger At Bottom | 20-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 ther interval 3326.5 m to 3330.5m using a 4m | | | R2 |
| 2" 6spf HSD gun with Powerjet Charges . | | | R3 |
| Maximum Deviation = 61deg @ 2340m MDKB | | | R4 |
| Befor Gun : SBHP:-----Psia SBHT:----D | | | R5 |
| After Gun : SBHP:-----Psia SBHT:----D | | | R6 |
| Gun Stop @ 3336.5m to 3330.5m MDKB | | | R7 |
| CCL to Top Shot = | | | R8 |
| CCL Stop Depth = | | | R9 |
| HUD tagged @ m MDKB | | | R11 |
| Schlumberger crews: Jake Annear , Chris Shiells | | | R17 |
| Other Services | | | |
| None | | | OS1 |

| | | | |
|----------------------|----------|--------------------|-------------------|
| Frame Summary | | File: PERFO_018LUP | Sequence: 1 |
| Origin: 79 | | | |
| Index Type | Start | Stop | Spacing |
| BOREHOLE-DEPTH | 3343.05 | 3269.89 m | -60.0 (0.1 in) up |
| | 10968.00 | 10728.00 ft | |
| BOREHOLE-DEPTH | 3343.05 | 3269.92 m | -10.0 (0.1 in) up |
| | 10968.00 | 10728.08 ft | |
| | | Channels | Index Channel |
| | | 22 | TDEP |
| | | | Frame Name |
| | | | 60B |
| | | 10 | TDEP;1 |
| | | | 10B |

| | | | |
|--|---------------------------|------------------------------|----------------------|
| File Header | | File: PERFO_019LUP | Sequence: 2 |
| Defining Origin: 79 | | | |
| File ID: PERFO_019LUP File Type: DEPTH LOG | | | |
| Producer Name: Schlumberger | | Product/Version: OP 15C0-309 | File Set: 41 |
| | | File Number: 18 | 20-FEB-2008 16:08:35 |
| Company Name: | Esso Australia Pty Ltd. | | |
| Well Name: | A-17a | | |
| Field Name: | Tuna | | |
| Tool String: | MWP_GUN, MWPT-CA, MWGT-AA | | |
| Computations: | WELLCAD, BORDYN | | |

| | | | |
|-----------------------------|--|--------------------|-------------|
| Error Summary | | File: PERFO_019LUP | Sequence: 2 |
| No errors detected in file. | | | |

| | | | |
|-----------------------|-------------------------|--------------------|-------------|
| Well Site Data | | File: PERFO_019LUP | Sequence: 2 |
| Origin: 79 | | | |
| Well Data | | | |
| Company Name | Esso Australia Pty Ltd. | | CN |
| Well Name | A-17a | | WN |
| Field Name | Tuna | | FN |
| Rig: | Tuna / Mast | | CLAB, COUN |
| State: | Victoria | | SLAB, STAT |
| Nation | Australia | | NATI |
| Field Location | Gippsland | | FL |
| | Basin | | FL1 |
| | Bass Strait | | FL2 |
| Service Order Number | AUSL07336280 | | SON |
| Longitude | 148° 25' 05.29"E | | LONG |
| Latitude | 38° 10' 16.00"S | | LATI |

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

Job Data

| | | | |
|------------------------|---------------|-------------------------------------|------------|
| Date as Month-Day-Year | 20-Feb-2008 | | DATE |
| Run Number | 1 | | RUN |
| Total Depth – Driller | 3351.0 (m) | | TDD |
| Total Depth – Logger | 3340.0 (m) | | TDL |
| Bottom Log Interval | 3330.5 (m) | | BLI |
| Top Log Interval | 3200.0 (m) | | TLI |
| Current Casing Size | 4.50 (in) | | CSIZ |
| Casing Depth From | 2766.0 (m) | | CDF |
| Casing Depth To | 3424.0 (m) | | CADT |
| Casing Grade | L-80 | | CASG |
| Casing Weight | 12.6 (lbm/ft) | | CWEI |
| Bit Size | 6.00 (in) | | BS |
| Bit Size Depth From | 2783.0 (m) | | BSDF |
| Bit Size Depth To | 3424.0 (m) | | BSDT |
| Date Logger At Bottom | 20-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 | | ENGI |
| Witness's Name | G Rimmer | | WITN |
| Service Order Number | AUSL07336280 | | SON |

Mud Data

| | | |
|------------------------------|-----------------------|------------|
| Drilling Fluid Type | Production Fluids | DFT |
| Maximum Recorded Temperature | 230.0 (degF) | MRT |
| | 230.0 (degF) | MRT1 |
| Date Logger At Bottom | 20-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 3326.5 m to 3330.5m using a 4m | R2 |
| 2" 6spf HSD gun with Powerjet Charges . | R3 |
| Maximum Deviation = 61deg @ 2340m MDKB | R4 |
| Before Gun : SBHP:-----Psia SBHT:----D | R5 |
| After Gun : SBHP:-----Psia SBHT:----D | R6 |
| Gun Stop @ 3336.5m to 3330.5m MDKB | R7 |
| CCL to Top Shot = | R8 |
| CCL Stop Depth = | R9 |
| HUD tagged @ m MDKB | R11 |
| Schlumberger crews: Jake Annear , Chris Shiells | R17 |

Other Services

None OS1

Frame Summary File: **PERFO_019LUP** Sequence: **2**

Origin: 79

| Index Type | Start | Stop | Spacing | Channels | Index Channel | Frame Name |
|----------------|----------|-------------|-------------------|----------|---------------|------------|
| BOREHOLE-DEPTH | 3346.86 | 3319.58 m | -60.0 (0.1 in) up | 22 | TDEP | 60B |
| | 10980.50 | 10891.00 ft | | | | |
| BOREHOLE-DEPTH | 3346.86 | 3319.60 m | -10.0 (0.1 in) up | 10 | TDEP;1 | 10B |
| | 10980.50 | 10891.08 ft | | | | |

File Header File: B5B50_0201.TB Sequence: 3

| | | | |
|--|---------------------------|------------------------------|----------------------|
| File Header | | File: PERFO_020LTP | Sequence: 3 |
| Defining Origin: 79 | | | |
| File ID: PERFO_020LTP File Type: STATION | | | |
| Producer Name: Schlumberger | | Product/Version: OP 15C0-309 | File Set: 41 |
| | | | File Number: 19 |
| | | | 20-FEB-2008 16:16:46 |
| Company Name: | Esso Australia Pty Ltd. | | |
| Well Name: | A-17a | | |
| Field Name: | Tuna | | |
| Tool String: | MWP_GUN, MWPT-CA, MWGT-AA | | |
| Computations: | WELLCAD, BORDYN | | |

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|-----------------------------|--------------------|-------------|
| Error Summary | File: PERFO_020LTP | Sequence: 3 |
| No errors detected in file. | | |

| | | |
|----------------|--------------------|-------------|
| Well Site Data | File: PERFO_020LTP | Sequence: 3 |
|----------------|--------------------|-------------|

| | | | |
|---|-------------------------|--------------------------------------|------------|
| Origin: 79 | | | |
| Well Data | | | |
| Company Name | Esso Australia Pty Ltd. | | CN |
| Well Name | A-17a | | WN |
| Field Name | Tuna | | FN |
| Rig: | Tuna / Mast | | CLAB, COUN |
| State: | Victoria | | SLAB, STAT |
| Nation | Australia | | NATI |
| Field Location | Gippsland | | FL |
| | Basin | | FL1 |
| | Bass Strait | | FL2 |
| Service Order Number | AUSL07336280 | | SON |
| Longitude | 148° 25' 05.29"E | | LONG |
| Latitude | 38° 10' 16.00"S | | LATI |
| Maximum Hole Deviation | 64.0 (deg) | | MHD |
| Elevation of Kelly Bushing | 26.6 (m) | | EKB |
| Elevation of Ground Level | 91.4 (m) | | EGL |
| Elevation of Derrick Floor | 26.6 (m) | | EDF |
| Permanent Datum | M.S.L | Elevation of Permanent Datum 0.0 (m) | PDAT, EPD |
| Log Measured From | K.B | Above Permanent Datum 26.6 (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 | 20-Feb-2008 | | DATE |
| Run Number | 1 | | RUN |
| Total Depth - Driller | 3351.0 (m) | | TDD |
| Total Depth - Logger | 3340.0 (m) | | TDL |
| Bottom Log Interval | 3330.5 (m) | | BLI |
| Top Log Interval | 3200.0 (m) | | TLI |
| Current Casing Size | 4.50 (in) | | CSIZ |
| Casing Depth From | 2766.0 (m) | | CDF |
| Casing Depth To | 3424.0 (m) | | CADT |
| Casing Grade | L-80 | | CASG |
| Casing Weight | 12.6 (lbm/ft) | | CWEI |
| Bit Size | 6.00 (in) | | BS |
| Bit Size Depth From | 2783.0 (m) | | BSDF |
| Bit Size Depth To | 3424.0 (m) | | BSDT |
| Date Logger At Bottom | 20-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 | | ENGI |
| Witness's Name | G Rimmer | | WITN |
| Service Order Number | AUSL07336280 | | SON |

| | | | |
|---|-------------------|-----------------------------|------------|
| Mud Data | | | |
| Drilling Fluid Type | Production Fluids | | DFT |
| Maximum Recorded Temperature | 230.0 (degF) | | MRT |
| | 230.0 (degF) | | MRT1 |
| Date Logger At Bottom | 20-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 |

Remarks

| | |
|--|-----|
| Log correlated to ExxonMobil Solar Composite Log supplied with logging program. | R1 |
| Objectives: Perforate the well over ther interval 3326.5 m to 3330.5m using a 4m | R2 |
| 2" 6spf HSD gun with Powerjet Charges . | R3 |
| Maximum Deviation = 61deg @ 2340m MDKB | R4 |
| Befor Gun : SBHP:-----Psia SBHT:----D | R5 |
| After Gun : SBHP:-----Psia SBHT:----D | R6 |
| Gun Stop @ 3336.5m to 3330.5m MDKB | R7 |
| CCL to Top Shot = | R8 |
| CCL Stop Depth = | R9 |
| HUD tagged @ m MDKB | R11 |
| Schlumberger crews: Jake Annear , Chris Shiells | R17 |

Other Services

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

Frame Summary File: PERFO_020LTP Sequence: 3

| Index Type | Start | Stop | Spacing | Channels | Index Channel | Frame Name |
|------------|---------|-----------|-----------------|----------|---------------|------------|
| TIME | 4235.81 | 5449.81 s | 2000.0 (0.5 ms) | 7 | TIME;2 | 2000T |
| TIME | 4235.81 | 5450.31 s | 1000.0 (0.5 ms) | 14 | TIME;4 | 1000T |
| TIME | 4235.81 | 5450.31 s | 500.0 (0.5 ms) | 4 | TIME;5 | 500T |

File Header File: PERFO_021LTP Sequence: 4

Defining Origin: 79

| | | | | | |
|-----------------------------|------------------------------|--------------|-----------------|----------------------|--|
| File ID: PERFO_021LTP | File Type: STATION | | | | |
| Producer Name: Schlumberger | Product/Version: OP 15C0-309 | File Set: 41 | File Number: 20 | 20-FEB-2008 16:39:16 | |
| Company Name: | Esso Australia Pty Ltd. | | | | |
| Well Name: | A-17a | | | | |
| Field Name: | Tuna | | | | |
| Tool String: | MWP_GUN, MWPT-CA, MWGT-AA | | | | |
| Computations: | WELLCAD, BORDYN | | | | |

Error Summary File: PERFO_021LTP Sequence: 4

No errors detected in file.

Well Site Data File: PERFO_021LTP Sequence: 4

Origin: 79

Well Data

| | | |
|----------------------------|--------------------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | A-17a | WN |
| Field Name | Tuna | FN |
| Rig: | Tuna / Mast | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | AUSL07336280 | SON |
| Longitude | 148° 25' 05.29"E | LONG |
| Latitude | 38° 10' 16.00"S | LATI |
| Maximum Hole Deviation | 64.0 (deg) | MHD |
| Elevation of Kelly Bushing | 26.6 (m) | EKB |
| Elevation of Ground Level | 91.4 (m) | EGL |
| Elevation of Derrick Floor | 26.6 (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 26.6 (m) | |

Job Data

| | | |
|------------------------|-------------|------|
| Date as Month-Day-Year | 20-Feb-2008 | DATE |
| Run Number | 1 | RUN |

| | | | |
|-----------------------|---------------|-----------------------|---------------|
| Run Number | 1 | Run | SON |
| Total Depth – Driller | 3351.0 (m) | Total Depth – Driller | TDD |
| Total Depth – Logger | 3340.0 (m) | Total Depth – Logger | TDL |
| Bottom Log Interval | 3330.5 (m) | Bottom Log Interval | BLI |
| Top Log Interval | 3200.0 (m) | Top Log Interval | TLI |
| Current Casing Size | 4.50 (in) | Current Casing Size | CSIZ |
| Casing Depth From | 2766.0 (m) | Casing Depth From | CDF |
| Casing Depth To | 3424.0 (m) | Casing Depth To | CADT |
| Casing Grade | L-80 | Casing Grade | CASG |
| Casing Weight | 12.6 (lbm/ft) | Casing Weight | CWEI |
| Bit Size | 6.00 (in) | Bit Size | BS |
| Bit Size Depth From | 2783.0 (m) | Bit Size Depth From | BSDF |
| Bit Size Depth To | 3424.0 (m) | Bit Size Depth To | BSDT |
| Date Logger At Bottom | 20-Feb-2008 | Time Logger At Bottom | 11:00 |
| Logging Unit Number | 889 | Logging Unit Location | Prod 4 / AUSL |
| Engineer's Name | S Gilbert | Engineer's Name | DLAB, TLAB |
| Witness's Name | G Rimmer | Witness's Name | LUN, LUL |
| Service Order Number | AUSL07336280 | Service Order Number | ENGI |
| | | | WITN |
| | | | SON |

| | | |
|------------------------------|-------------------|-----------------------------|
| Drilling Fluid Type | Production Fluids | DFT |
| Maximum Recorded Temperature | 230.0 (degF) | MRT |
| | 230.0 (degF) | MRT1 |
| Date Logger At Bottom | 20-Feb-2008 | Time Logger At Bottom 11:00 |
| | | DLAB, TLAB |

PVT Data

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

Cement Data

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

Remarks

| | |
|--|-----|
| Log correlated to ExxonMobil Solar Composite Log supplied with logging program. | R1 |
| Objectives: Perforate the well over ther interval 3326.5 m to 3330.5m using a 4m | R2 |
| 2" 6spf HSD gun with Powerjet Charges . | R3 |
| Maximum Deviation = 61deg @ 2340m MDKB | R4 |
| Befor Gun : SBHP:----Psia SBHT:----D | R5 |
| After Gun : SBHP:----Psia SBHT:----D | R6 |
| Gun Stop @ 3336.5m to 3330.5m MDKB | R7 |
| CCL to Top Shot = | R8 |
| CCL Stop Depth = | R9 |
| HUD tagged @ m MDKB | R11 |
| Schlumberger crews: Jake Annear , Chris Shiells | R17 |

None OS1

File: **PERFO_021LTP** Sequence: **4**

Origin: 79

| <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 | 38.89 | 958.89 s | 2000.0 (0.5 ms) | 7 | TIME;2 | 2000T |
| TIME | 38.89 | 958.89 s | 1000.0 (0.5 ms) | 14 | TIME;4 | 1000T |
| TIME | 38.89 | 959.14 s | 500.0 (0.5 ms) | 4 | TIME;5 | 500T |

File: **PERFO 022LUP** Sequence: **5**

Defining Origin: 79

File ID: PERFO 022LUP File Type: DEPTH LOG

Product/Version: OP 15C0-309

File Number: 21

Company Name: Esso Australia Pty Ltd.

Field Name: Tuna

Computations: WELLCAD, BORDYN

Error Summary

File: BERSO_022110 Sequence: 5

No errors detected in file.

Well Site Data File: PERFO_022LUP Sequence: 5

Origin: 79

Well Data

| | | |
|----------------------------|--------------------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | A-17a | WN |
| Field Name | Tuna | FN |
| Rig: | Tuna / Mast | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | AUSL07336280 | SON |
| Longitude | 148° 25' 05.29"E | LONG |
| Latitude | 38° 10' 16.00"S | LATI |
| Maximum Hole Deviation | 64.0 (deg) | MHD |
| Elevation of Kelly Bushing | 26.6 (m) | EKB |
| Elevation of Ground Level | 91.4 (m) | EGL |
| Elevation of Derrick Floor | 26.6 (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 26.6 (m) | |

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

Job Data

| | | |
|------------------------|-------------------------------------|------------|
| Date as Month-Day-Year | 20-Feb-2008 | DATE |
| Run Number | 1 | RUN |
| Total Depth - Driller | 3351.0 (m) | TDD |
| Total Depth - Logger | 3340.0 (m) | TDL |
| Bottom Log Interval | 3330.5 (m) | BLI |
| Top Log Interval | 3200.0 (m) | TLI |
| Current Casing Size | 4.50 (in) | CSIZ |
| Casing Depth From | 2766.0 (m) | CDF |
| Casing Depth To | 3424.0 (m) | CADT |
| Casing Grade | L-80 | CASG |
| Casing Weight | 12.6 (lbm/ft) | CWEI |
| Bit Size | 6.00 (in) | BS |
| Bit Size Depth From | 2783.0 (m) | BSDF |
| Bit Size Depth To | 3424.0 (m) | BSDT |
| Date Logger At Bottom | 20-Feb-2008 | DLAB, TLAB |
| Logging Unit Number | 889 | LUN, LUL |
| Engineer's Name | S Gilbert | ENGI |
| Witness's Name | G Rimmer | WITN |
| Service Order Number | AUSL07336280 | SON |
| | Time Logger At Bottom 11:00 | |
| | Logging Unit Location Prod 4 / AUSL | |

Mud Data

| | | |
|------------------------------|-----------------------------|------------|
| Drilling Fluid Type | Production Fluids | DFT |
| Maximum Recorded Temperature | 230.0 (degF) | MRT |
| | 230.0 (degF) | MRT1 |
| Date Logger At Bottom | 20-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 3326.5 m to 3330.5m using a 4m | R2 |
| 2" 6spf HSD gun with Powerjet Charges . | R3 |
| Maximum Deviation = 61deg @ 2340m MDKB | R4 |
| Before Gun : SBHP:----Psia SBHT:----D | R5 |
| After Gun : SBHP:----Psia SBHT:----D | R6 |
| Gun Stop @ 3336.5m to 3330.5m MDKB | R7 |
| CCL to Top Shot = | R8 |
| CCL Stop Depth = | R9 |
| HUD tagged @ m MDKB | R11 |

Other Services

None

OS1

Frame Summary File: PERFO_022LUP Sequence: 5

Origin: 79

| <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 | 3321.86 | 3265.17 m | -60.0 (0.1 in) up | 22 | TDEP | 60B |
| | 10898.50 | 10712.50 ft | | | | |
| BOREHOLE-DEPTH | 3321.86 | 3265.20 m | -10.0 (0.1 in) up | 10 | TDEP;1 | 10B |
| | 10898.50 | 10712.58 ft | | | | |



Verification Listing

Listing Completed: 21-FEB-2008 7:53:15