

Input Source: D:\OP_Folder\Clients\Ess02008\WKF_W-18a\GUN\COMP_WKFW18AMPBT_COMP_064.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_028LUP** Sequence: **1**

Defining Origin: 119

File ID: PERFO_028LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 15C0-309

File Set: 41

File Number: 26

8-APR-2008 13:48:13

Company Name: Esso Australia Pty Ltd.

Well Name: W-18a

Field Name: West Kingfish

Tool String: MWP_GUN, MWPT-CA, MWGT-AA

Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_028LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_028LUP** Sequence: **1**

Origin: 119

Well Data

| | | |
|----------------------------|------------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | W-18a | WN |
| Field Name | West Kingfish | FN |
| Rig : | Prod4 / Ausl | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | Ausl08509105 | SON |
| Longitude | 148 06'15.1"E | LONG |
| Latitude | 038 35'40.7"S | LATI |
| Maximum Hole Deviation | 36.0 (deg) | MHD |
| Elevation of Kelly Bushing | 33.4 (m) | EKB |
| Elevation of Ground Level | -76.1 (m) | EGL |
| Elevation of Derrick Floor | 33.4 (m) | EDF |
| Permanent Datum | M.S.L | PDAT, EPD |
| Log Measured From | D.F | LMF, APD |
| Drilling Measured From | D.F | DMF |
| | Elevation of Permanent Datum | 0.0 (m) |
| | Above Permanent Datum | 33.4 (m) |

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

Job Data

| | | |
|------------------------|-----------------------|--------------|
| Date as Month-Day-Year | 8-Apr-2008 | DATE |
| Run Number | One | RUN |
| Total Depth - Driller | 2656.0 (m) | TDD |
| Total Depth - Logger | 2650.0 (m) | TDL |
| Bottom Log Interval | 2650.0 (m) | BLI |
| Top Log Interval | 2575.0 (m) | TLI |
| Current Casing Size | 7.00 (in) | CSIZ |
| Casing Depth From | 11.7 (m) | CDF |
| Casing Depth To | 2696.6 (m) | CADT |
| Casing Grade | L-80 | CASG |
| Casing Weight | 26.0 (lbm/ft) | CWEI |
| Bit Size | 8.50 (in) | BS |
| Date Logger At Bottom | 8-Apr-2008 | DLAB, TLAB |
| Logging Unit Number | 889 | LUN, LUL |
| Engineer's Name | G Wright. | ENGI |
| Witness's Name | B White. | WITN |
| Service Order Number | Ausl08509105 | SON |
| | Time Logger At Bottom | 13:50 |
| | Logging Unit Location | Prod4 / Ausl |

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type

Maximum Recorded Temperature

Date Logger At Bottom

Production Fluids

8-Apr-2008

Time Logger At Bottom

13:50

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

Log correlated to Petrophysical Analysis composite supplied with program.

Maximum well deviation = 36 degree's at 1282m MDKB.

This well was perforated with 2 1/8" 45 deg phased powerjet at 6 spf.

Interval perforated = 2632.2m to 2633m MDKB.

Crew : J Annear,P Lawrence,A McLellan.

R1

R2

R3

R4

R5

R13

Other Services

None

OS1

Frame Summary

File: PERFO_028LUP

Sequence: 1

Origin: 119

| Index Type | Start | Stop | Spacing | Channels | Index Channel | Frame Name |
|----------------|---------|------------|-------------------|----------|---------------|------------|
| BOREHOLE-DEPTH | 2642.16 | 2597.96 m | -60.0 (0.1 in) up | 22 | TDEP | 60B |
| | 8668.50 | 8523.50 ft | | | | |
| BOREHOLE-DEPTH | 2642.16 | 2597.84 m | -10.0 (0.1 in) up | 10 | TDEP;1 | 10B |
| | 8668.50 | 8523.08 ft | | | | |

File Header

File: PERFO_029LUP

Sequence: 2

Defining Origin: 119

File ID: PERFO_029LUP

File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 15C0-309

File Set: 41

File Number: 27

8-APR-2008 13:54:29

Company Name: Esso Australia Pty Ltd.

Well Name: W-18a

Field Name: West Kingfish

Tool String: MWP_GUN, MWPT-CA, MWGT-AA

Computations: WELLCAD, BORDYN

Error Summary

File: PERFO_029LUP

Sequence: 2

No errors detected in file.

Well Site Data

File: PERFO_029LUP

Sequence: 2

Origin: 119

Well Data

Company Name

Well Name

Field Name

Rig :

State:

Nation

Field Location

Service Order Number

Longitude

Latitude

Esso Australia Pty Ltd.

W-18a

West Kingfish

Prod4 / Ausl

Victoria

Australia

Gippsland

Basin

Bass Strait

Ausl08509105

148 06'15.1"E

038 35'40.7"S

CN

WN

FN

CLAB, COUN

SLAB, STAT

NATI

FL

FL1

FL2

SON

LONG

LATI

| | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------|--------------|--|------------|
| Latitude | 33.3340.73 | | | | LAT |
| Maximum Hole Deviation | 36.0 (deg) | | | | MHD |
| Elevation of Kelly Bushing | 33.4 (m) | | | | EKB |
| Elevation of Ground Level | -76.1 (m) | | | | EGL |
| Elevation of Derrick Floor | 33.4 (m) | | | | EDF |
| Permanent Datum | M.S.L | Elevation of Permanent Datum | 0.0 (m) | | PDAT, EPD |
| Log Measured From | D.F | Above Permanent Datum | 33.4 (m) | | LMF, APD |
| Drilling Measured From | D.F | | | | DMF |
| Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN | | | | | |
| Job Data | | | | | |
| Date as Month-Day-Year | 8-Apr-2008 | | | | DATE |
| Run Number | One | | | | RUN |
| Total Depth - Driller | 2656.0 (m) | | | | TDD |
| Total Depth - Logger | 2650.0 (m) | | | | TDL |
| Bottom Log Interval | 2650.0 (m) | | | | BLI |
| Top Log Interval | 2575.0 (m) | | | | TLI |
| Current Casing Size | 7.00 (in) | | | | CSIZ |
| Casing Depth From | 11.7 (m) | | | | CDF |
| Casing Depth To | 2696.6 (m) | | | | CADT |
| Casing Grade | L-80 | | | | CASG |
| Casing Weight | 26.0 (lbm/ft) | | | | CWEI |
| Bit Size | 8.50 (in) | | | | BS |
| Date Logger At Bottom | 8-Apr-2008 | Time Logger At Bottom | 13:50 | | DLAB, TLAB |
| Logging Unit Number | 889 | Logging Unit Location | Prod4 / Ausl | | LUN, LUL |
| Engineer's Name | G Wright. | | | | ENGI |
| Witness's Name | B White. | | | | WITN |
| Service Order Number | Ausl08509105 | | | | SON |
| Absent Valued Parameters: BSDF, BSDT | | | | | |
| Mud Data | | | | | |
| Drilling Fluid Type | Production Fluids | | | | DFT |
| Maximum Recorded Temperature | 107.8 (degC) | | | | MRT |
| | 107.8 (degC) | | | | MRT1 |
| Date Logger At Bottom | 8-Apr-2008 | Time Logger At Bottom | 13:50 | | 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 Petrophysical Analysis composite supplied with program. | | | | | R1 |
| Maximum well deviation = 36 degree's at 1282m MDKB. | | | | | R2 |
| This well was perforated with 2 1/8" 45 deg phased powerjet | | | | | R3 |
| at 6 spf. | | | | | R4 |
| Interval perforated = 2632.2m to 2633m MDKB. | | | | | R5 |
| Crew : J Annear,P Lawrence,A McLellan. | | | | | R13 |
| Other Services | | | | | |
| None | | | | | OS1 |

| | | | | | | |
|-------------------------------------------------------------------|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| Frame Summary File: PERFO_029LUP Sequence: 2 | | | | | | |
| Origin: 119 | | | | | | |
| <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 | 2640.18 | 2533.80 m | -60.0 (0.1 in) up | 22 | TDEP | 60B |
| | 8662.00 | 8313.00 ft | | | | |
| BOREHOLE-DEPTH | 2640.18 | 2533.83 m | -10.0 (0.1 in) up | 10 | TDEP;1 | 10B |
| | 8662.00 | 8313.08 ft | | | | |

| | | |
|--------------------|---------------------------|--------------------|
| File Header | File: PERFO_029LUP | Sequence: 2 |
|--------------------|---------------------------|--------------------|

File Header

File: PERFO_030LTP

Sequence: 3

Defining Origin: 119

File ID: PERFO_030LTP

File Type: STATION

Producer Name: Schlumberger

Product/Version: OP 15C0-309

File Set: 41

File Number: 28

8-APR-2008 13:59:18

Company Name: Esso Australia Pty Ltd.

Well Name: W-18a

Field Name: West Kingfish

Tool String: MWP_GUN, MWPT-CA, MWGT-AA

Computations: WELLCAD, BORDYN

| | | | |
|-----------------------------|--|--------------------|-------------|
| Error Summary | | File: PERFO_030LTP | Sequence: 3 |
| No errors detected in file. | | | |

| | | | |
|----------------|--|--------------------|-------------|
| Well Site Data | | File: PERFO_030LTP | Sequence: 3 |
|----------------|--|--------------------|-------------|

| | | | |
|----------------------------|-------------------------|--------------------------------------|------------|
| Origin: 119 | | | |
| Well Data | | | |
| Company Name | Esso Australia Pty Ltd. | | CN |
| Well Name | W-18a | | WN |
| Field Name | West Kingfish | | FN |
| Rig : | Prod4 / Ausl | | CLAB, COUN |
| State: | Victoria | | SLAB, STAT |
| Nation | Australia | | NATI |
| Field Location | Gippsland | | FL |
| | Basin | | FL1 |
| | Bass Strait | | FL2 |
| Service Order Number | Ausl08509105 | | SON |
| Longitude | 148 06'15.1"E | | LONG |
| Latitude | 038 35'40.7"S | | LATI |
| Maximum Hole Deviation | 36.0 (deg) | | MHD |
| Elevation of Kelly Bushing | 33.4 (m) | | EKB |
| Elevation of Ground Level | -76.1 (m) | | EGL |
| Elevation of Derrick Floor | 33.4 (m) | | EDF |
| Permanent Datum | M.S.L | Elevation of Permanent Datum 0.0 (m) | PDAT, EPD |
| Log Measured From | D.F | Above Permanent Datum 33.4 (m) | LMF, APD |
| Drilling Measured From | D.F | | DMF |

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

| | | | |
|------------------------|---------------|------------------------------------|------------|
| Job Data | | | |
| Date as Month-Day-Year | 8-Apr-2008 | | DATE |
| Run Number | One | | RUN |
| Total Depth - Driller | 2656.0 (m) | | TDD |
| Total Depth - Logger | 2650.0 (m) | | TDL |
| Bottom Log Interval | 2650.0 (m) | | BLI |
| Top Log Interval | 2575.0 (m) | | TLI |
| Current Casing Size | 7.00 (in) | | CSIZ |
| Casing Depth From | 11.7 (m) | | CDF |
| Casing Depth To | 2696.6 (m) | | CADT |
| Casing Grade | L-80 | | CASG |
| Casing Weight | 26.0 (lbm/ft) | | CWEI |
| Bit Size | 8.50 (in) | | BS |
| Date Logger At Bottom | 8-Apr-2008 | Time Logger At Bottom 13:50 | DLAB, TLAB |
| Logging Unit Number | 889 | Logging Unit Location Prod4 / Ausl | LUN, LUL |
| Engineer's Name | G Wright. | | ENGI |
| Witness's Name | B White. | | WITN |
| Service Order Number | Ausl08509105 | | SON |

Absent Valued Parameters: BSDF, BSDT

| | | | |
|------------------------------|-------------------|-----------------------------|------------|
| Mud Data | | | |
| Drilling Fluid Type | Production Fluids | | DFT |
| Maximum Recorded Temperature | 107.8 (degC) | | MRT |
| | 107.8 (degC) | | MRT1 |
| Date Logger At Bottom | 8-Apr-2008 | Time Logger At Bottom 13:50 | 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 Petrophysical Analysis composite supplied with program. | R1 |
| Maximum well deviation = 36 degree's at 1282m MDKB. | R2 |
| This well was perforated with 2 1/8" 45 deg phased powerjet at 6 spf. | R3 |
| Interval perforated = 2632.2m to 2633m MDKB. | R4 |
| Crew : J Annear,P Lawrence,A McLellan. | R5 |
| | R13 |

Other Services

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

Frame Summary File: PERFO_030LTP Sequence: 3

Origin: 119

| <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 | 2397.35 | 2789.35 s | 2000.0 (0.5 ms) | 7 | TIME;2 | 2000T |
| TIME | 2397.35 | 2789.85 s | 1000.0 (0.5 ms) | 14 | TIME;4 | 1000T |
| TIME | 2397.35 | 2789.85 s | 500.0 (0.5 ms) | 4 | TIME;5 | 500T |

File Header File: CCL_037LUP Sequence: 4

Defining Origin: 7

| | | | | | | |
|-----------------------------|------------------------------|--------------|-----------------|---------------------|--|--|
| File ID: CCL_037LUP | File Type: DEPTH LOG | | | | | |
| Producer Name: Schlumberger | Product/Version: OP 15C0-309 | File Set: 41 | File Number: 35 | 8-APR-2008 16:27:10 | | |
| Company Name: | Esso Australia Pty Ltd. | | | | | |
| Well Name: | W-18a | | | | | |
| Field Name: | West Kingfish | | | | | |
| Tool String: | MPEX-DA, MPSU-CA, CCL-I | | | | | |
| Computations: | WELLCAD | | | | | |

Error Summary File: CCL_037LUP Sequence: 4

No errors detected in file.

Well Site Data File: CCL_037LUP Sequence: 4

Origin: 7

Well Data

| | | |
|------------------------|-------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | W-18a | WN |
| Field Name | West Kingfish | FN |
| Rig : | Prod4 | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | ausl08509105 | SON |
| Maximum Hole Deviation | 36.0 (deg) | MHD |
| Permanent Datum | GROUND LEVEL | PDAT |

Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, LONG, LATI, EKB, EGL, EDF, EPD, LMF, APD, DMF

Job Data

| | | |
|------------------------|---------------|----------|
| Date as Month-Day-Year | 8-Apr-2008 | DATE |
| Run Number | 2 | RUN |
| Current Casing Size | 7.00 (in) | CSIZ |
| Casing Grade | L-80 | CASG |
| Casing Weight | 26.0 (lbm/ft) | CWEI |
| Bit Size | 8.50 (in) | BS |
| Logging Unit Number | 889 | LUN, LUL |
| Engineer's Name | G wright | ENGI |
| Witness's Name | B White | WITN |

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------|
| Witness Name | D White | WITH |
| Service Order Number | ausl08509105 | SON |
| Absent Valued Parameters: TDD, TDL, BLI, TLI, CDF, CADT, BSDF, BSDT, DLAB, TLAB | | |
| Mud Data | | |
| Drilling Fluid Type | Production Fluids | DFT |
| Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB | | |
| 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 | | |

| | | |
|----------------------|-------------------------|----------------------|
| Frame Summary | File: CCL_037LUP | Sequence: 4 |
| Origin: 7 | | |
| <u>Index Type</u> | <u>Start</u> | <u>Stop</u> |
| BOREHOLE-DEPTH | 2640.48 | 2596.44 m |
| | 8663.00 | 8518.50 ft |
| | | -60.0 (0.1 in) up |
| | | <u>Channels</u> |
| | | 7 |
| | | <u>Index Channel</u> |
| | | TDEP |
| | | <u>Frame Name</u> |
| | | 60B |
| BOREHOLE-DEPTH | 2640.48 | 2596.46 m |
| | 8663.00 | 8518.58 ft |
| | | -10.0 (0.1 in) up |
| | | 7 |
| | | TDEP,1 |
| | | 10B |

| | | |
|-----------------------------|------------------------------|---------------------|
| File Header | File: CCL_038LUP | Sequence: 5 |
| Defining Origin: 7 | | |
| File ID: CCL_038LUP | File Type: DEPTH LOG | |
| Producer Name: Schlumberger | Product/Version: OP 15C0-309 | File Set: 41 |
| | | File Number: 36 |
| | | 8-APR-2008 16:36:03 |
| Company Name: | Esso Australia Pty Ltd. | |
| Well Name: | W-18a | |
| Field Name: | West Kingfish | |
| Tool String: | MPEX-DA, MPSU-CA, CCL-I | |
| Computations: | WELLCAD | |
| Error Summary | | |
| | File: CCL_038LUP | Sequence: 5 |
| No errors detected in file. | | |

| | | |
|------------------------------------------------------------------------------------------------------------|-------------------------|--------------------|
| Well Site Data | File: CCL_038LUP | Sequence: 5 |
| Origin: 7 | | |
| Well Data | | |
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | W-18a | WN |
| Field Name | West Kingfish | FN |
| Rig : | Prod4 | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | ausl08509105 | SON |
| Maximum Hole Deviation | 36.0 (deg) | MHD |
| Permanent Datum | GROUND LEVEL | PDAT |
| Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, LONG, LATI, EKB, EGL, EDF, EPD, LMF, APD, DMF | | |
| Job Data | | |
| Date as Month-Day-Year | 8-Apr-2008 | DATE |
| Run Number | 2 | RUN |
| Current Casing Size | 7.00 (in) | CSIZ |

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|
| Casing Grade | L-80 | CASG |
| Casing Weight | 26.0 (lbm/ft) | CWEI |
| Bit Size | 8.50 (in) | BS |
| Logging Unit Number | 889 | LUN, LUL |
| Engineer's Name | G wright | ENGI |
| Witness's Name | B White | WITN |
| Service Order Number | ausl08509105 | SON |
| Absent Valued Parameters: TDD, TDL, BLI, TLI, CDF, CADT, BSDF, BSDT, DLAB, TLAB | | |
| Mud Data | | |
| Drilling Fluid Type | Production Fluids | DFT |
| Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB | | |
| 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 | | |

| Frame Summary | | File: CCL_038LUP | Sequence: 5 | | | |
|----------------|----------|------------------|-------------------|----------|---------------|------------|
| Origin: 7 | | | | | | |
| Index Type | Start | Stop | Spacing | Channels | Index Channel | Frame Name |
| BOREHOLE-DEPTH | 12192.00 | 11707.52 m | -60.0 (0.1 in) up | 7 | TDEP | 60B |
| | 40000.00 | 38410.50 ft | | | | |
| BOREHOLE-DEPTH | 12192.00 | 11707.55 m | -10.0 (0.1 in) up | 4 | TDEP,1 | 10B |
| | 40000.00 | 38410.58 ft | | | | |

| | | | |
|---------------------------------------|--|------------------------------|--------------------|
| File Header | | File: PERFO_049PUP | Sequence: 6 |
| Defining Origin: 16 | | | |
| File ID: PERFO_049PUP | | File Type: PLAYBACK | |
| Producer Name: Schlumberger | | Product/Version: OP 15C0-309 | |
| | | File Set: 41 | |
| | | File Number: 47 | |
| | | 9-APR-2008 | 7:53:50 |
| Company Name: Esso Australia Pty Ltd. | | | |
| Well Name: W-18a | | | |
| Field Name: West Kingfish | | | |
| Tool String: SHM_GUN, CCL-L | | | |
| Computations: WELLCAD | | | |

| | | | |
|-----------------------------|--|---------------------------|--------------------|
| Error Summary | | File: PERFO_049PUP | Sequence: 6 |
| No errors detected in file. | | | |

Well Site Data

File: PERFO_049PUP

Sequence: 6

Origin: 16

Well Data

| | | |
|------------------------|-------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | W-18a | WN |
| Field Name | West Kingfish | FN |
| Rig: | Prod4 | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | ausl08509105 | SON |
| Maximum Hole Deviation | 36.0 (deg) | MHD |
| Permanent Datum | GROUND LEVEL | PDAT |

Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, LONG, LATI, EKB, EGL, EDF, EPD, LMF, APD, DMF

Job Data

| | | |
|------------------------|------------|------|
| Date as Month-Day-Year | 9-Apr-2008 | DATE |
| Run Number | 3 | RUN |
| Total Depth - Driller | 2643.0 (m) | TDD |
| Total Depth - Logger | 2643.0 (m) | TDL |
| Bottom Log Interval | 2643.0 (m) | BLI |
| Top Log Interval | 2600.0 (m) | TLI |
| Current Casing Size | 7.00 (in) | CSCZ |

| | | | | |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|------|------------|
| Current Casing Size | 7.00 (in) | | | CSIZ |
| Casing Depth From | 11.3 (m) | | | CDF |
| Casing Depth To | 2696.0 (m) | | | CADT |
| Casing Grade | L-80 | | | CASG |
| Casing Weight | 26.0 (lbm/ft) | | | CWEI |
| Bit Size | 8.50 (in) | | | BS |
| Date Logger At Bottom | 9-Apr-2008 | Time Logger At Bottom | 7:45 | DLAB, TLAB |
| Logging Unit Number | 889 | | | LUN |
| Engineer's Name | G Wright. | | | ENGI |
| Witness's Name | B White. | | | WITN |
| Service Order Number | ausl08509105 | | | SON |
| Absent Valued Parameters: BSDF, BSDT, LUL | | | | |
| Mud Data | | | | |
| Drilling Fluid Type | Production Fluids | | | DFT |
| Maximum Recorded Temperature | 108.3 (degC) | | | MRT |
| | 108.3 (degC) | | | MRT1 |
| Date Logger At Bottom | 9-Apr-2008 | Time Logger At Bottom | 7:45 | 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 | | | | |

| Frame Summary | | File: PERFO_049PUP | Sequence: 6 | | | |
|-------------------|--------------|--------------------|-------------------|-----------------|----------------------|-------------------|
| Origin: 16 | | | | | | |
| <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 | 2638.50 | 2566.72 m | -60.0 (0.1 in) up | 7 | TDEP | 60B |
| | 8656.50 | 8421.00 ft | | | | |
| BOREHOLE-DEPTH | 2638.50 | 2566.75 m | -10.0 (0.1 in) up | 7 | TDEP,1 | 10B |
| | 8656.50 | 8421.08 ft | | | | |

| | | | |
|----------------------------------------|--|------------------------------|-----------------|
| File Header | | File: PERFO_056LUP | Sequence: 7 |
| Defining Origin: 104 | | | |
| File ID: PERFO_056LUP | | File Type: DEPTH LOG | |
| Producer Name: Schlumberger | | Product/Version: OP 15C0-309 | |
| | | File Set: 41 | File Number: 54 |
| | | 9-APR-2008 10:59:39 | |
| Company Name: Esso Australia Pty Ltd. | | | |
| Well Name: W-18a | | | |
| Field Name: West Kingfish | | | |
| Tool String: MWP_GUN, MWPT-CA, MWGT-AA | | | |
| Computations: WELLCAD, BORDYN | | | |

| | | | |
|-----------------------------|--|--------------------|-------------|
| Error Summary | | File: PERFO_056LUP | Sequence: 7 |
| No errors detected in file. | | | |

| | | | |
|------------------------|-------------------------|--------------------|-------------|
| Well Site Data | | File: PERFO_056LUP | Sequence: 7 |
| Origin: 104 | | | |
| Well Data | | | |
| Company Name | Esso Australia Pty Ltd. | | CN |
| Well Name | W-18a | | WN |
| Field Name | West Kingfish | | FN |
| Rig : | Prod4 / Ausl | | CLAB, COUN |
| State: | Victoria | | SLAB, STAT |
| Nation | Australia | | NATI |
| Field Location | Gippsland | | FL |
| | Basin | | FL1 |
| | Bass Strait | | FL2 |
| Service Order Number | Ausl08509105 | | SON |
| Longitude | 148 06'15.1"E | | LONG |
| Latitude | 038 35'40.7"S | | LATI |
| Maximum Hole Deviation | 26.0 (deg) | | MHD |

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

| | | | | |
|------------------------|---------------|-----------------------|--------------|------------|
| Date as Month–Day–Year | 8–Apr–2008 | | | DATE |
| Run Number | One | | | RUN |
| Total Depth – Driller | 2656.0 (m) | | | TDD |
| Total Depth – Logger | 2650.0 (m) | | | TDL |
| Bottom Log Interval | 2650.0 (m) | | | BLI |
| Top Log Interval | 2575.0 (m) | | | TLI |
| Current Casing Size | 7.00 (in) | | | CSIZ |
| Casing Depth From | 11.7 (m) | | | CDF |
| Casing Depth To | 2696.6 (m) | | | CADT |
| Casing Grade | L–80 | | | CASG |
| Casing Weight | 26.0 (lbm/ft) | | | CWEI |
| Bit Size | 8.50 (in) | | | BS |
| Date Logger At Bottom | 8–Apr–2008 | Time Logger At Bottom | 13:50 | DLAB, TLAB |
| Logging Unit Number | 889 | Logging Unit Location | Prod4 / Ausl | LUN, LUL |
| Engineer's Name | G Wright. | | | ENGI |
| Witness's Name | B White. | | | WITN |
| Service Order Number | Ausl08509105 | | | SON |

Absent Valued Parameters: BSDF, BSDT

| | | |
|------------------------------|-------------------|-----------------------------|
| Drilling Fluid Type | Production Fluids | DFT |
| Maximum Recorded Temperature | 107.8 (degC) | MRT |
| | 107.8 (degC) | MRT1 |
| Date Logger At Bottom | 8-Apr-2008 | Time Logger At Bottom 13:50 |
| | | DLAB, TLAB |

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

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

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

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

| | |
|---------------------------------------------------------------------------|-----|
| Log correlated to Petrophysical Analysis composite supplied with program. | R1 |
| Maximum well deviation = 36 degree's at 1282m MDKB. | R2 |
| This well was perforated with 2 1/8" 45 deg phased powerjet | R3 |
| at 6 spf. | R4 |
| Interval perforated = 2632.2m to 2633m MDKB. | R5 |
| Crew : J Annear,P Lawrence,A McLellan. | R13 |

None OS1

| Index Type | Start | Stop | Spacing | Channels | Index Channel | Frame Name |
|----------------|---------|------------|-------------------|----------|---------------|------------|
| BOREHOLE-DEPTH | 2641.55 | 2569.62 m | -60.0 (0.1 in) up | 22 | TDEP | 60B |
| | 8666.50 | 8430.50 ft | | | | |
| BOREHOLE-DEPTH | 2641.55 | 2569.64 m | -10.0 (0.1 in) up | 10 | TDEP;1 | 10B |
| | 8666.50 | 8430.58 ft | | | | |

| | | | | |
|------------------------------------------|--|------------------------------|--------------|-----------------|
| File ID: PERFO_057LTP File Type: STATION | | | | |
| Producer Name: Schlumberger | | Product/Version: OP 15C0-309 | File Set: 41 | File Number: 55 |
| Company Name: Esso Australia Pty Ltd. | | 9-APR-2008 11:03:20 | | |
| Well Name: W-18a | | | | |
| Field Name: West Kingfish | | | | |
| Tool String: MWP_GUN, MWPT-CA, MWGT-AA | | | | |
| Computations: WELLCAD, BORDYN | | | | |

| | | |
|-----------------------------|---------------------------|--------------------|
| Error Summary | File: PERFO_057LTP | Sequence: 8 |
| No errors detected in file. | | |

| | | |
|-----------------------|---------------------------|--------------------|
| Well Site Data | File: PERFO_057LTP | Sequence: 8 |
|-----------------------|---------------------------|--------------------|

Origin: 104

Well Data

| | | |
|----------------------------|--------------------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | W-18a | WN |
| Field Name | West Kingfish | FN |
| Rig : | Prod4 / Ausl | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | Ausl08509105 | SON |
| Longitude | 148 06'15.1"E | LONG |
| Latitude | 038 35'40.7"S | LATI |
| Maximum Hole Deviation | 36.0 (deg) | MHD |
| Elevation of Kelly Bushing | 33.4 (m) | EKB |
| Elevation of Ground Level | -76.1 (m) | EGL |
| Elevation of Derrick Floor | 33.4 (m) | EDF |
| Permanent Datum | M.S.L | PDAT, EPD |
| Log Measured From | D.F | LMF, APD |
| Drilling Measured From | D.F | DMF |
| | Elevation of Permanent Datum 0.0 (m) | |
| | Above Permanent Datum 33.4 (m) | |

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

Job Data

| | | |
|------------------------|------------------------------------|------------|
| Date as Month-Day-Year | 8-Apr-2008 | DATE |
| Run Number | One | RUN |
| Total Depth - Driller | 2656.0 (m) | TDD |
| Total Depth - Logger | 2650.0 (m) | TDL |
| Bottom Log Interval | 2650.0 (m) | BLI |
| Top Log Interval | 2575.0 (m) | TLI |
| Current Casing Size | 7.00 (in) | CSIZ |
| Casing Depth From | 11.7 (m) | CDF |
| Casing Depth To | 2696.6 (m) | CADT |
| Casing Grade | L-80 | CASG |
| Casing Weight | 26.0 (lbm/ft) | CWEI |
| Bit Size | 8.50 (in) | BS |
| Date Logger At Bottom | 8-Apr-2008 | DLAB, TLAB |
| Logging Unit Number | 889 | LUN, LUL |
| Engineer's Name | G Wright. | ENGI |
| Witness's Name | B White. | WITN |
| Service Order Number | Ausl08509105 | SON |
| | Time Logger At Bottom 13:50 | |
| | Logging Unit Location Prod4 / Ausl | |

Absent Valued Parameters: BSDF, BSDT

Mud Data

| | | |
|------------------------------|-----------------------------|------------|
| Drilling Fluid Type | Production Fluids | DFT |
| Maximum Recorded Temperature | 107.8 (degC) | MRT |
| | 107.8 (degC) | MRT1 |
| Date Logger At Bottom | 8-Apr-2008 | DLAB, TLAB |
| | Time Logger At Bottom 13:50 | |

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 Petrophysical Analysis composite supplied with program. | R1 |
| Maximum well deviation = 36 degree's at 1282m MDKB. | R2 |

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| This well was perforated with 2 1/8" 45 deg phased powerjet at 6 spf. Interval perforated = 2632.2m to 2633m MDKB. Crew : J Annear,P Lawrence,A McLellan. | R3 R4 R5 R13 |
| Other Services None | OS1 |

| | | | | | | |
|-------------------|--------------|--------------------|-----------------|-----------------|----------------------|-------------------|
| Frame Summary | | File: PERFO_057LTP | Sequence: 8 | | | |
| Origin: 104 | | | | | | |
| <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 | 2906.81 | 4912.81 s | 2000.0 (0.5 ms) | 7 | TIME;2 | 2000T |
| TIME | 2906.81 | 4913.31 s | 1000.0 (0.5 ms) | 14 | TIME;4 | 1000T |
| TIME | 2906.81 | 4913.56 s | 500.0 (0.5 ms) | 4 | TIME;5 | 500T |

| | | |
|-----------------------------|------------------------------|---------------------|
| File Header | File: PERFO_061LUP | Sequence: 9 |
| Defining Origin: 70 | | |
| File ID: PERFO_061LUP | File Type: DEPTH LOG | |
| Producer Name: Schlumberger | Product/Version: OP 15C0-309 | File Set: 41 |
| | | File Number: 59 |
| | | 9-APR-2008 14:22:24 |
| Company Name: | Esso Australia Pty Ltd. | |
| Well Name: | W-18a | |
| Field Name: | West Kingfish | |
| Tool String: | SHM_GUN, CCL-L | |
| Computations: | WELLCAD | |

| | | |
|-----------------------------|--------------------|-------------|
| Error Summary | File: PERFO_061LUP | Sequence: 9 |
| No errors detected in file. | | |

| | | |
|------------------------------------------------------------------------------------------------------------|-------------------------|-------------|
| Well Site Data | File: PERFO_061LUP | Sequence: 9 |
| Origin: 70 | | |
| Well Data | | |
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | W-18a | WN |
| Field Name | West Kingfish | FN |
| Rig: | Prod4 | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Gippsland | FL |
| | Basin | FL1 |
| | Bass Strait | FL2 |
| Service Order Number | ausl08509105 | SON |
| Maximum Hole Deviation | 36.0 (deg) | MHD |
| Permanent Datum | GROUND LEVEL | PDAT |
| Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, LONG, LATI, EKB, EGL, EDF, EPD, LMF, APD, DMF | | |
| Job Data | | |
| Date as Month-Day-Year | 9-Apr-2008 | DATE |
| Run Number | 3 | RUN |
| Total Depth - Driller | 2643.0 (m) | TDD |
| Total Depth - Logger | 2643.0 (m) | TDL |
| Bottom Log Interval | 2643.0 (m) | BLI |
| Top Log Interval | 2600.0 (m) | TLI |
| Current Casing Size | 7.00 (in) | CSIZ |
| Casing Depth From | 11.3 (m) | CDF |
| Casing Depth To | 2696.0 (m) | CADT |
| Casing Grade | L-80 | CASG |
| Casing Weight | 22.3 (lb/ft) | CWTF |

| | | | | |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|------|------------|
| Casing Weight | 26.0 (lbm/ft) | | | CWEI |
| Bit Size | 8.50 (in) | | | BS |
| Date Logger At Bottom | 9-Apr-2008 | Time Logger At Bottom | 7:45 | DLAB, TLAB |
| Logging Unit Number | 889 | | | LUN |
| Engineer's Name | G Wright. | | | ENGI |
| Witness's Name | B White. | | | WITN |
| Service Order Number | ausl08509105 | | | SON |
| Absent Valued Parameters: BSDF, BSDT, LUL | | | | |
| Mud Data | | | | |
| Drilling Fluid Type | Production Fluids | | | DFT |
| Maximum Recorded Temperature | 108.3 (degC) | | | MRT |
| | 108.3 (degC) | | | MRT1 |
| Date Logger At Bottom | 9-Apr-2008 | Time Logger At Bottom | 7:45 | 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 | | | | |

| | | | | | | |
|-------------------------------------------------------------------|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| Frame Summary File: PERFO_061LUP Sequence: 9 | | | | | | |
| Origin: 70 | | | | | | |
| <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 | 2634.69 | 2558.64 m | -60.0 (0.1 in) up | 7 | TDEP | 60B |
| | 8644.00 | 8394.50 ft | | | | |
| BOREHOLE-DEPTH | 2634.69 | 2558.52 m | -10.0 (0.1 in) up | 7 | TDEP;1 | 10B |
| | 8644.00 | 8394.08 ft | | | | |

| | | |
|------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------|
|  | Verification Listing | Listing Completed: 10-APR-2008 7:27:14 |
|------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------|