

Input Source: D:\OP_Folder\Clients\Essso_Australia\BMA_A-5\RSTC\COMP_RST_C_COMP_097.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header

File: **RST_PSP_092PUC** Sequence: **1**

Defining Origin: 35

File ID: RST_PSP_092PUC File Type: PLAYBACK

Producer Name: Schlumberger

Product/Version: OP 14C0-302

File Set: 41

File Number: 91

8-FEB-2007 13:40:17

Company Name: Esso Australia Pty Ltd.

Well Name: BMA A-5a

Field Name: Bream

Tool String: RST-C, PSPT-B

Computations: WELLCAD

Error Summary

File: **RST_PSP_092PUC** Sequence: **1**

No errors detected in file.

Well Site Data

File: **RST_PSP_092PUC** Sequence: **1**

Origin: 35

Well Data

| | | |
|----------------------------|-------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | BMA A-5a | WN |
| Field Name | Bream | FN |
| Rig: | ISS RIG 22/PROD 2 | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Bass Strait | FL |
| | Gippsland | FL1 |
| | Basin | FL2 |
| Longitude | 147° 46' 15.7"E | LONG |
| Latitude | 38° 30' 2.5"S | LATI |
| Maximum Hole Deviation | 58.0 (deg) | MHD |
| Elevation of Kelly Bushing | 33.5 (m) | EKB |
| Elevation of Ground Level | -59.0 (m) | EGL |
| Elevation of Derrick Floor | 33.2 (m) | EDF |
| Permanent Datum | Mean Sea Level | PDAT, EPD |
| Log Measured From | Drill Floor | LMF, APD |
| Drilling Measured From | Drill Floor | DMF |

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

Job Data

| | | |
|------------------------|-------------------------------|------------|
| Date as Month-Day-Year | 6-Feb-2007 | DATE |
| Run Number | 1 | RUN |
| Total Depth - Driller | 2709.0 (m) | TDD |
| Total Depth - Logger | 2706.0 (m) | TDL |
| Bottom Log Interval | 2706.0 (m) | BLI |
| Top Log Interval | 2500.0 (m) | TLI |
| Current Casing Size | 7.00 (in) | CSIZ |
| Casing Depth From | 11.7 (m) | CDF |
| Casing Depth To | 2809.0 (m) | CADT |
| Casing Grade | L-80 | CASG |
| Casing Weight | 29.0 (lbm/ft) | CWEI |
| Bit Size | 8.50 (in) | BS |
| Bit Size Depth From | 883.0 (m) | BSDF |
| Bit Size Depth To | 2809.0 (m) | BSDT |
| Date Logger At Bottom | 6-Feb-2007 | DLAB, TLAB |
| Logging Unit Number | 3827 | LUN, LUL |
| Engineer's Name | O.Darby / B.Donahoe / A.Sword | ENGI |
| Witness's Name | Mr J.Dean/Mr D.Broomfield | WITN |

Absent Valued Parameters: SON

Mud Data

| | | |
|--|-----------------------|------------|
| Drilling Fluid Type | Production Fluids. | DFT |
| Drilling Fluid Density | 7.90 (g/cm3) | DFD |
| Maximum Recorded Temperature | 97.7 (degC) | MRT |
| | 97.7 (degC) | MRT1 |
| Date Logger At Bottom | 6-Feb-2007 | DLAB, TLAB |
| | Time Logger At Bottom | 6:25 |
| Absent Valued Parameters: 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 | | |
| All logs correlated to Esso Solar Composite log provided by client. | | R1 |
| Objective: | | R2 |
| RIH to HUD conduct GR Baseline pass and correlate to Solar composite log. | | R3 |
| RIH to HUD again and log RST in Sigma mode from HUD to 2500m MDKB, | | R4 |
| Making two passes at 900ft/hr with the well shut-in, POOH. | | R5 |
| Matrix = Sandstone, CSIZ = 7", CWEI = 29lbm/ft | | R11 |
| HUD +2706m MDKB | | R12 |
| Schlumberger crew: | | R14 |
| Days: Peter Battams (Crew Chief), Gerald Brady | | R15 |
| Nights: Dave Stuckey (Crew Chief), Simon Kiss | | R16 |
| Other Services | | |
| 2 1/8" Enerjet | | OS1 |
| Powerjet Perforation | | OS2 |
| Dummy run | | OS3 |
| HPI | | OS4 |

| | | | | | | |
|---|--------------|-------------|-------------------|-----------------|----------------------|-------------------|
| Frame Summary File: RST_PSP_092PUC Sequence: 1 | | | | | | |
| Origin: 35 | | | | | | |
| <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 | 2718.66 | 2457.45 m | -60.0 (0.1 in) up | 121 | TDEP | 60B |
| | 8919.50 | 8062.50 ft | | | | |
| BOREHOLE-DEPTH | 2718.66 | 2457.48 m | -10.0 (0.1 in) up | 7 | TDEP;1 | 10B |
| | 8919.50 | 8062.58 ft | | | | |

| | | | |
|--|-------------------------|------------------------------|---------------------|
| File Header | | File: RST_PSP_093PUC | Sequence: 2 |
| Defining Origin: 35 | | | |
| File ID: RST_PSP_093PUC File Type: PLAYBACK | | | |
| Producer Name: Schlumberger | | Product/Version: OP 14C0-302 | File Set: 41 |
| | | File Number: 92 | 8-FEB-2007 13:41:44 |
| Company Name: | Esso Australia Pty Ltd. | | |
| Well Name: | BMA A-5a | | |
| Field Name: | Bream | | |
| Tool String: | RST-C, PSPT-E | | |
| Computations: | WELLCAD | | |

| | | |
|---|--|--|
| Error Summary File: RST_PSP_093PUC Sequence: 2 | | |
| No errors detected in file. | | |

| | | |
|--|--|--|
| Well Site Data File: RST_PSP_093PUC Sequence: 2 | | |
| Origin: 35 | | |

Well Data

| | | |
|----------------------------|--------------------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | BMA A-5a | WN |
| Field Name | Bream | FN |
| Rig: | ISS RIG 22/PROD 2 | CLAB, COUN |
| State: | Victoria | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Bass Strait | FL |
| | Gippsland | FL1 |
| | Basin | FL2 |
| Longitude | 147° 46' 15.7"E | LONG |
| Latitude | 38° 30' 2.5"S | LATI |
| Maximum Hole Deviation | 58.0 (deg) | MHD |
| Elevation of Kelly Bushing | 33.5 (m) | EKB |
| Elevation of Ground Level | -59.0 (m) | EGL |
| Elevation of Derrick Floor | 33.2 (m) | EDF |
| Permanent Datum | Mean Sea Level | PDAT, EPD |
| Log Measured From | Drill Floor | LMF, APD |
| Drilling Measured From | Drill Floor | DMF |
| | Elevation of Permanent Datum 0.0 (m) | |
| | Above Permanent Datum 33.2 (m) | |

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

Job Data

| | | |
|------------------------|-------------------------------|------------|
| Date as Month-Day-Year | 6-Feb-2007 | DATE |
| Run Number | 1 | RUN |
| Total Depth - Driller | 2709.0 (m) | TDD |
| Total Depth - Logger | 2706.0 (m) | TDL |
| Bottom Log Interval | 2706.0 (m) | BLI |
| Top Log Interval | 2500.0 (m) | TLI |
| Current Casing Size | 7.00 (in) | CSIZ |
| Casing Depth From | 11.7 (m) | CDF |
| Casing Depth To | 2809.0 (m) | CADT |
| Casing Grade | L-80 | CASG |
| Casing Weight | 29.0 (lbm/ft) | CWEI |
| Bit Size | 8.50 (in) | BS |
| Bit Size Depth From | 883.0 (m) | BSDF |
| Bit Size Depth To | 2809.0 (m) | BSDT |
| Date Logger At Bottom | 6-Feb-2007 | DLAB, TLAB |
| Logging Unit Number | 3827 | LUN, LUL |
| Engineer's Name | O.Darby / B.Donahoe / A.Sword | ENGI |
| Witness's Name | Mr J.Dean/Mr D.Broomfield | WITN |
| | Time Logger At Bottom 6:25 | |
| | Logging Unit Location AUSL | |

Absent Valued Parameters: SON

Mud Data

| | | |
|------------------------------|----------------------------|------------|
| Drilling Fluid Type | Production Fluids. | DFT |
| Drilling Fluid Density | 7.90 (g/cm3) | DFD |
| Maximum Recorded Temperature | 97.7 (degC) | MRT |
| | 97.7 (degC) | MRT1 |
| Date Logger At Bottom | 6-Feb-2007 | DLAB, TLAB |
| | Time Logger At Bottom 6:25 | |

Absent Valued Parameters: 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

| | |
|---|-----|
| All logs correlated to Esso Solar Composite log provided by client. | R1 |
| Objective: | R2 |
| RIH to HUD conduct GR Baseline pass and correlate to Solar composite log. | R3 |
| RIH to HUD again and log RST in Sigma mode from HUD to 2500m MDKB, | R4 |
| Making two passes at 900ft/hr with the well shut-in, POOH. | R5 |
| Matrix = Sandstone, CSIZ = 7", CWEI = 29lbm/ft | R11 |
| HUD +2706m MDKB | R12 |
| Schlumberger crew: | R14 |
| Days: Peter Battams (Crew Chief), Gerald Brady | R15 |
| Nights: Dave Stuckey (Crew Chief), Simon Kiss | R16 |

Other Services

| | |
|----------------------|-----|
| 2 1/8" Enerjet | OS1 |
| Powerjet Perforation | OS2 |
| Dummy run | OS3 |
| HPI | OS4 |

Frame Summary

File: RST_PSP_093PUC

Sequence: 2

Origin: 35

| <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 | 2718.66 | 2461.11 m | -60.0 (0.1 in) up | 121 | TDEP | 60B |
| | 8919.50 | 8074.50 ft | | | | |
| BOREHOLE-DEPTH | 2718.66 | 2461.13 m | -10.0 (0.1 in) up | 7 | TDEP;1 | 10B |
| | 8919.50 | 8074.58 ft | | | | |

| | | | | | |
|---|-------------------------|------------------------------|--|--------------|---------------------------------------|
| File Header | | File: RST_PSP_095PUC | | Sequence: 3 | |
| Defining Origin: 35 | | | | | |
| File ID: RST_PSP_095PUC File Type: PLAYBACK | | | | | |
| Producer Name: Schlumberger | | Product/Version: OP 14C0-302 | | File Set: 41 | File Number: 94 8-FEB-2007 13:54:04 |
| Company Name: | Esso Australia Pty Ltd. | | | | |
| Well Name: | BMA A-5a | | | | |
| Field Name: | Bream | | | | |
| Tool String: | RST-C, PSPT-E | | | | |
| Computations: | WELLCAD | | | | |

| | | |
|-----------------------------|-----------------------------|--------------------|
| Error Summary | File: RST_PSP_095PUC | Sequence: 3 |
| No errors detected in file. | | |

| | | | |
|--|-------------------------|--------------------------------------|-------------|
| Well Site Data | | File: RST_PSP_095PUC | Sequence: 3 |
| Origin: 35 | | | |
| Well Data | | | |
| Company Name | Esso Australia Pty Ltd. | | CN |
| Well Name | BMA A-5a | | WN |
| Field Name | Bream | | FN |
| Rig: | ISS RIG 22/PROD 2 | | CLAB, COUN |
| State: | Victoria | | SLAB, STAT |
| Nation | Australia | | NATI |
| Field Location | Bass Strait | | FL |
| | Gippsland | | FL1 |
| | Basin | | FL2 |
| Longitude | 147° 46' 15.7"E | | LONG |
| Latitude | 38° 30' 2.5"S | | LATI |
| Maximum Hole Deviation | 58.0 (deg) | | MHD |
| Elevation of Kelly Bushing | 33.5 (m) | | EKB |
| Elevation of Ground Level | -59.0 (m) | | EGL |
| Elevation of Derrick Floor | 33.2 (m) | | EDF |
| Permanent Datum | Mean Sea Level | Elevation of Permanent Datum 0.0 (m) | PDAT, EPD |
| Log Measured From | Drill Floor | Above Permanent Datum 33.2 (m) | LMF, APD |
| Drilling Measured From | Drill Floor | | DMF |
| Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, SON | | | |
| Job Data | | | |
| Date as Month-Day-Year | 6-Feb-2007 | | DATE |
| Run Number | 1 | | RUN |
| Total Depth - Driller | 2709.0 (m) | | TDD |
| Total Depth - Logger | 2706.0 (m) | | TDL |
| Bottom Log Interval | 2706.0 (m) | | BLI |
| Top Log Interval | 2500.0 (m) | | TLI |
| Current Casing Size | 7.00 (in) | | CSIZ |
| Casing Depth From | 11.7 (m) | | CDF |
| Casing Depth To | 2809.0 (m) | | CADT |
| Casing Grade | L-80 | | CASG |
| Casing Weight | 29.0 (lbm/ft) | | CWEI |
| Bit Size | 8.50 (in) | | BS |
| Bit Size Depth From | 883.0 (m) | | BSDF |

Bit Size Depth To2809.0 (m)

Date Logger At Bottom6-Feb-2007

Logging Unit Number3827

Engineer's NameO.Darby / B.Donahoe / A.Sword

Witness's NameMr J.Dean/Mr D.Broomfield

Time Logger At Bottom6:25

Logging Unit LocationAUSL

BSDT

DLAB, TLAB

LUN, LUL

ENGI

WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid TypeProduction Fluids.

Drilling Fluid Density7.90 (g/cm3)

Maximum Recorded Temperature97.7 (degC)

97.7 (degC)

Date Logger At Bottom6-Feb-2007

Time Logger At Bottom6:25

DFT

DFD

MRT

MRT1

DLAB, TLAB

Absent Valued Parameters: DfV, DfL, DfPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS

PVT Data

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

Cement Data

Cement Job TypePrimary

CJT

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

Remarks

All logs correlated to Esso Solar Composite log provided by client.

Objective:

RIH to HUD conduct GR Baseline pass and correlate to Solar composite log.

RIH to HUD again and log RST in Sigma mode from HUD to 2500m MDKB,

Making two passes at 900ft/hr with the well shut-in, POOH.

Matrix = Sandstone, CSIZ = 7", CWEI = 29lbm/ft

HUD +2706m MDKB

Schlumberger crew:

Days: Peter Battams (Crew Chief), Gerald Brady

Nights: Dave Stuckey (Crew Chief), Simon Kiss

R1

R2

R3

R4

R5

R11

R12

R14

R15

R16

Other Services

2 1/8" Enerjet

Powerjet Perforation

Dummy run

HPI

OS1

OS2

OS3

OS4

Frame Summary

File: RST_PSP_095PUC

Sequence: 3

Origin: 35

Index Type

Start

Stop

Spacing

Channels

Index Channel

Frame Name

BOREHOLE-DEPTH

2718.66

2457.45 m

-60.0 (0.1 in) up

121

TDEP

60B

BOREHOLE-DEPTH

2718.66

2457.48 m

-10.0 (0.1 in) up

7

TDEP;1

10B

8919.50

8062.50 ft

8919.50

8062.58 ft

File Header

File: RST_PSP_020LUP

Sequence: 4

Defining Origin: 67

File ID: RST_PSP_020LUP

File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 14C0-302

File Set: 41

File Number: 19

6-FEB-2007 6:45:11

Company Name:

Esso Australia Pty Ltd.

Well Name:

BMA A-5a

Field Name:

Bream

Tool String:

RST-C, PSPT-E

Computations:

WELLCAD

Error Summary

File: RST_PSP_020LUP

Sequence: 4

No errors detected in file.

Well Site Data

File: RST_PSP_020LUP

Sequence: 4

Origin: 67

Well Data

Company Name

Esso Australia Pty Ltd

CN

| | | |
|--------------------------------------|-------------------------|------------|
| Company Name | Esso Australia Pty Ltd. | CN |
| Well Name | BMA A-5a | WN |
| Field Name | Bream | FN |
| Rig: | ISS RIG 22/PROD 2 | CLAB, COUN |
| State: | VICTORIA | SLAB, STAT |
| Nation | Australia | NATI |
| Field Location | Bass Strait | FL |
| | Gippsland | FL1 |
| | Basin | FL2 |
| Longitude | 147° 46' 15.7"E | LONG |
| Latitude | 38° 30' 2.5"S | LATI |
| Maximum Hole Deviation | 58.0 (deg) | MHD |
| Elevation of Kelly Bushing | 33.5 (m) | EKB |
| Elevation of Ground Level | -59.0 (m) | EGL |
| Elevation of Derrick Floor | 33.2 (m) | EDF |
| Permanent Datum | Mean Sea Level | PDAT, EPD |
| Log Measured From | Drill Floor | LMF, APD |
| Drilling Measured From | Drill Floor | DMF |
| Elevation of Permanent Datum 0.0 (m) | | |
| Above Permanent Datum 33.2 (m) | | |

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

Job Data

| | | |
|----------------------------|---------------------------|----------|
| Date as Month–Day–Year | 6–Feb–2007 | DATE |
| Run Number | 1 | RUN |
| Total Depth – Driller | 2709.0 (m) | TDD |
| Current Casing Size | 7.00 (in) | CSIZ |
| Casing Depth From | 11.7 (m) | CDF |
| Casing Depth To | 2809.0 (m) | CADT |
| Casing Grade | L–80 | CASG |
| Casing Weight | 29.0 (lbm/ft) | CWEI |
| Bit Size | 8.50 (in) | BS |
| Bit Size Depth From | 883.0 (m) | BSDF |
| Bit Size Depth To | 2809.0 (m) | BSDT |
| Date Logger At Bottom | 6–Feb–2007 | DLAB |
| Logging Unit Number | 3827 | LUN, LUL |
| Engineer's Name | A.Sword/O.Darby | ENGI |
| Witness's Name | Mr J.Dean/Mr D.Broomfield | WITN |
| Logging Unit Location AUSL | | |

Absent Valued Parameters: TDL, BLI, TLI, TLAB, SON

Mud Data

| | | |
|-----------------------|--------------------|------|
| Drilling Fluid Type | Production Fluids. | DFT |
| Date Logger At Bottom | 6–Feb–2007 | DLAB |

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, 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

Remarks

| | |
|---|-----|
| All logs correlated to Esso Solar Composite log provided by client. | R1 |
| Objective: To conduct an RST(Sigma Mode) over the interval HUD – 2500mMDKB, | R2 |
| making two passes at 900ft/hr with the well shut–in. | R3 |
| Matrix = Sandstone, CSIZ = 7", CWEI = 29lbm/ft, BS = 9–7/8 | R4 |
| Days: Peter Battams (Crew Chief), Gerald Brady | R15 |
| Nights: Dave Stuckey (Crew Chief), Simon Kiss | R16 |
| Performed by Schlumberger | R17 |

Frame Summary File: RST_PSP_020LUP Sequence: 4

Origin: 67

| Index Type | Start | Stop | Spacing | Channels | Index Channel | Frame Name |
|----------------|---------|------------|-------------------|----------|---------------|------------|
| BOREHOLE–DEPTH | 2718.66 | 2458.21 m | –60.0 (0.1 in) up | 162 | TDEP | 60B |
| | 8919.50 | 8065.00 ft | | | | |
| BOREHOLE–DEPTH | 2718.66 | 2458.24 m | –10.0 (0.1 in) up | 7 | TDEP,1 | 10B |
| | 8919.50 | 8065.08 ft | | | | |

