

**Input Source:** D:\OP\_Folder\Clients\Essco\_Australia\_Pty\_Ltd\CBA\_A33\GUN\COMP\_HSD\_COMP\_057.DLIS  
**Format:** DLIS  
**Storage Set ID:** Default Storage Set

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

**File Header** File: **PERFO\_013PUP** Sequence: **1**

**Defining Origin: 123**

File ID: PERFO\_013PUP File Type: PLAYBACK

Producer Name: Schlumberger Product/Version: OP 17C0-154 File Set: 41 File Number: 12 27-JUN-2009 2:03:03

Company Name: Esso Australia Pty Ltd  
Well Name: CBA A33  
Field Name: Cobia  
Tool String: SHM\_GUN, PGGT-D  
Computations: WELLCAD

**Error Summary** File: **PERFO\_013PUP** Sequence: **1**

No errors detected in file.

**Well Site Data** File: **PERFO\_013PUP** Sequence: **1**

**Origin: 123**

**Well Data**

Company Name	Esso Australia Pty Ltd	CN
Well Name	CBA A33	WN
Field Name	Cobia	FN
Rig:	Rig 175	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Austrlia	NATI
Field Location	Bass Strait	FL
	Gippsland	FL1
	Basin	FL2
Longitude	148° 18'33.005"E	LONG
Latitude	038°26'57.568"S	LATI
Maximum Hole Deviation	16.0 (deg)	MHD
Elevation of Kelly Bushing	41.0 (m)	EKB
Elevation of Ground Level	-79.0 (m)	EGL
Elevation of Derrick Floor	41.0 (m)	EDF
Permanent Datum	GROUND LEVEL	PDAT, EPD
Log Measured From	RT	LMF, APD
Drilling Measured From	RT	DMF

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

**Job Data**

Date as Month-Day-Year	26-Jun-2009	DATE
Run Number	1	RUN
Total Depth - Driller	2579.0 (m)	TDD
Total Depth - Logger	12988.8 (m)	TDL
Bottom Log Interval	12401.6 (m)	BLI
Top Log Interval	40579.9 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.0 (m)	CDF
Casing Depth To	2551.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	589.0 (m)	BSDF
Bit Size Depth To	2579.0 (m)	BSDT
Date Logger At Bottom	28-May-2009	DLAB, TLAB
Logging Unit Number	3929	LUN, LUL
Engineer's Name	O. Darby	ENGI
Witness's Name	Greg Doty & Richard Moore	WITN

Absent Valued Parameters: SON

**Mud Data**

Drilling Fluid Type

Drilling Fluid Density

Maximum Recorded Temperature

Date Logger At Bottom

Sea water

8.55 (g/cm3)

5000.0 (degC)

28-May-2009

Time Logger At Bottom

12:00

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 Type

Primary

CJT

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

Remarks

Log correlataed to Schlumberger LWD log provided by client

Objective: RIH with 6" Junk Basket to HUD to ensure access for HSD gun

Set Max-R on depth using a CPST and PGGT-D.

Maximum well deviation XX deg @ XXXXm MDKB.

HUD tagged @ ####m MDKB with Junk Basket.

Secure Initiated.

Perforation interval 2464.5 – 2467.0m MDKB

CCL to Top Shot: ##.##m

CCL Stop Depth: ####.##m MDKB

Schlumberger Crew:

Days: Brendan G & Daniel S

Nghts: Kevin Kerr & Ben T

R1

R2

R3

R4

R5

R6

R8

R9

R10

R15

R16

R17

Other Services

None

OS1

Frame Summary

File: PERFO\_013PUP

Sequence: 1

Origin: 123

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2547.21	2395.27 m	-60.0 (0.1 in) up	9	TDEP	60B
	8357.00	7858.50 ft				
BOREHOLE-DEPTH	2547.21	2395.30 m	-10.0 (0.1 in) up	8	TDEP,1	10B
	8357.00	7858.58 ft				

File Header

File: PERFO\_024LUP

Sequence: 2

Defining Origin: 126

File ID: PERFO\_024LUP

File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 17C0-154

File Set: 41

File Number: 23

27-JUN-2009 9:37:24

Company Name:

Esso Australia Pty Ltd

Well Name:

CBA A33

Field Name:

Cobia

Tool String:

SHM\_GUN, PGGT-D

Computations:

WELLCAD

Error Summary

File: PERFO\_024LUP

Sequence: 2

No errors detected in file.

Well Site Data

File: PERFO\_024LUP

Sequence: 2

Origin: 126

## Well Data

Company Name	Esso Australia Pty Ltd	CN
Well Name	CBA A33	WN
Field Name	Cobia	FN
Rig:	Rig 175	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Bass Strait	FL
	Gippsland	FL1
	Basin	FL2
Longitude	148° 18'33.005"E	LONG
Latitude	038°26'57.568"S	LATI
Maximum Hole Deviation	16.0 (deg)	MHD
Elevation of Kelly Bushing	41.0 (m)	EKB
Elevation of Ground Level	-79.0 (m)	EGL
Elevation of Derrick Floor	41.0 (m)	EDF
Permanent Datum	GROUND LEVEL	PDAT, EPD
Log Measured From	RT	LMF, APD
Drilling Measured From	RT	DMF
	Elevation of Permanent Datum 41.0 (m)	
	Above Permanent Datum -41.0 (m)	

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

## Job Data

Date as Month-Day-Year	26-Jun-2009	DATE
Run Number	1	RUN
Total Depth - Driller	2579.0 (m)	TDD
Total Depth - Logger	12988.8 (m)	TDL
Bottom Log Interval	12401.6 (m)	BLI
Top Log Interval	40579.9 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.0 (m)	CDF
Casing Depth To	2551.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	589.0 (m)	BSDF
Bit Size Depth To	2579.0 (m)	BSDT
Date Logger At Bottom	28-May-2009	DLAB, TLAB
Logging Unit Number	3929	LUN, LUL
Engineer's Name	O. Darby	ENGI
Witness's Name	Greg Doty & Richard Moore	WITN
	Time Logger At Bottom 12:00	
	Logging Unit Location AUSL	

Absent Valued Parameters: SON

## Mud Data

Drilling Fluid Type	Sea water	DFT
Drilling Fluid Density	8.55 (g/cm3)	DFD
Maximum Recorded Temperature	5000.0 (degC)	MRT
	5000.0 (degC)	MRT1
Date Logger At Bottom	28-May-2009	DLAB, TLAB
	Time Logger At Bottom 12:00	

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

## Remarks

Log correlataed to Schlumberger LWD log provided by client	R1
Objective: RIH with 6" Junk Basket to HUD to ensure access for HSD gun	R2
Set Max-R on depth using a CPST and PGGT-D.	R3
Maximum well deviation XX deg @ XXXXm MDKB.	R4
HUD tagged @ #####m MDKB with Junk Basket.	R5
Secure Initiated.	R6
Perforation interval 2464.5 - 2467.0m MDKB	R8
CCL to Top Shot: ##.##m	R9
CCL Stop Depth: #####m MDKB	R10
Schlumberger Crew:	R15
Days: Brendan G & Daniel S	R16
Nights: Kevin Kerr & Ben T	R17

## Other Services

None	OS1
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Name Summary File: PERFO_026LUP Sequence: 3						
Origin: 126						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2515.51	2427.27 m	-60.0 (0.1 in) up	9	TDEP	60B
	8253.00	7963.50 ft				
BOREHOLE-DEPTH	2515.51	2427.30 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	8253.00	7963.58 ft				

File Header						
File: PERFO_026LUP		Sequence: 3				
Defining Origin: 126						
File ID: PERFO_026LUP   File Type: DEPTH LOG						
Producer Name: Schlumberger		Product/Version: OP 17C0-154		File Set: 41	File Number: 25	27-JUN-2009 9:49:40
Company Name: Esso Australia Pty Ltd						
Well Name: CBA A33						
Field Name: Cobia						
Tool String: SHM_GUN, PGGT-D						
Computations: WELLCAD						

Error Summary File: PERFO_026LUP Sequence: 3		
No errors detected in file.		

Well Site Data File: PERFO_026LUP Sequence: 3		
Origin: 126		
Well Data		
Company Name	Esso Australia Pty Ltd	CN
Well Name	CBA A33	WN
Field Name	Cobia	FN
Rig:	Rig 175	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Bass Strait	FL
	Gippsland	FL1
	Basin	FL2
Longitude	148° 18'33.005"E	LONG
Latitude	038°26'57.568"S	LATI
Maximum Hole Deviation	16.0 (deg)	MHD
Elevation of Kelly Bushing	41.0 (m)	EKB
Elevation of Ground Level	-79.0 (m)	EGL
Elevation of Derrick Floor	41.0 (m)	EDF
Permanent Datum	GROUND LEVEL	PDAT, EPD
Log Measured From	RT	LMF, APD
Drilling Measured From	RT	DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, SON		
Job Data		
Date as Month-Day-Year	26-Jun-2009	DATE
Run Number	1	RUN
Total Depth - Driller	2579.0 (m)	TDD
Total Depth - Logger	12988.8 (m)	TDL
Bottom Log Interval	12401.6 (m)	BLI
Top Log Interval	40579.9 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.0 (m)	CDF
Casing Depth To	2551.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	589.0 (m)	BSDF

Bit Size Depth To	2579.0 (m)	Time Logger At Bottom	12:00	BSDT
Date Logger At Bottom	28-May-2009	Logging Unit Location	AUSL	DLAB, TLAB
Logging Unit Number	3929			LUN, LUL
Engineer's Name	O. Darby			ENGI
Witness's Name	Greg Doty & Richard Moore			WITN
Absent Valued Parameters: SON				
Mud Data				
Drilling Fluid Type	Sea water			DFT
Drilling Fluid Density	8.55 (g/cm3)			DFD
Maximum Recorded Temperature	5000.0 (degC)			MRT
	5000.0 (degC)			MRT1
Date Logger At Bottom	28-May-2009	Time Logger At Bottom	12:00	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 Type	Primary			CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA				
Remarks				
Log correlataed to Schlumberger LWD log provided by client				R1
Objective: RIH with 6" Junk Basket to HUD to ensure access for HSD gun				R2
Set Max-R on depth using a CPST and PGGT-D.				R3
Maximum well deviation XX deg @ XXXXm MDKB.				R4
HUD tagged @ #####m MDKB with Junk Basket.				R5
Secure Initiated.				R6
Perforation interval 2464.5 – 2467.0m MDKB				R8
CCL to Top Shot: ##.##m				R9
CCL Stop Depth: #####.##m MDKB				R10
Schlumberger Crew:				R15
Days: Brendan G & Daniel S				R16
Nghts: Kevin Kerr & Ben T				R17
Other Services				
None				OS1

Frame Summary      File: PERFO_026LUP      Sequence: 3						
Origin: 126						
<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	2515.06	2408.07 m	-60.0 (0.1 in) up	9	TDEP	60B
	8251.50	7900.50 ft				
BOREHOLE-DEPTH	2515.06	2407.95 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	8251.50	7900.08 ft				

File Header	File: PERFO_043PUP	Sequence: 4
Defining Origin: 41		
File ID: PERFO_043PUP    File Type: PLAYBACK		
Producer Name: Schlumberger		Product/Version: OP 17C0-154
File Set: 41		File Number: 42
28-JUN-2009		1:46:46
Company Name:	Esso Australia Pty Ltd	
Well Name:	CBA A33	
Field Name:	Cobia	
Tool String:	SHM_GUN-4 1/2" HSD Gun, PGGT-D	
Computations:	WELLCAD	

Error Summary	File: PERFO_043PUP	Sequence: 4
No errors detected in file.		

Well Site Data	File: PERFO_043PUP	Sequence: 4
Origin: 41		
Well Data		
Company Name:	Esso Australia Pty Ltd	
	CN	

Company Name	Essso Australia Pty Ltd	CN
Well Name	CBA A33	WN
Field Name	Cobia	FN
Rig:	Rig 175	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Bass Strait	FL
	Gippsland	FL1
	Basin	FL2
Longitude	148° 18'33.005"E	LONG
Latitude	038°26'57.568"S	LATI
Maximum Hole Deviation	16.0 (deg)	MHD
Elevation of Kelly Bushing	41.0 (m)	EKB
Elevation of Ground Level	-79.0 (m)	EGL
Elevation of Derrick Floor	41.0 (m)	EDF
Permanent Datum	GROUND LEVEL	PDAT, EPD
Log Measured From	RT	LMF, APD
Drilling Measured From	RT	DMF
	Elevation of Permanent Datum	41.0 (m)
	Above Permanent Datum	-41.0 (m)

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

Job Data

Date as Month–Day–Year	26–Jun–2009	DATE
Run Number	1	RUN
Total Depth – Driller	2579.0 (m)	TDD
Total Depth – Logger	2547.1 (m)	TDL
Bottom Log Interval	2467.0 (m)	BLI
Top Log Interval	2464.5 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.0 (m)	CDF
Casing Depth To	2551.0 (m)	CADT
Casing Grade	L–80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	589.0 (m)	BSDF
Bit Size Depth To	2579.0 (m)	BSDT
Date Logger At Bottom	27–Jun–2009	DLAB, TLAB
Logging Unit Number	3929	LUN, LUL
Engineer's Name	O. Darby	ENGI
Witness's Name	Greg Doty & Richard Moore	WITN
	Time Logger At Bottom	1:40
	Logging Unit Location	AUSL

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Sea Water	DFT
Drilling Fluid Density	8.55 (g/cm3)	DFD
Maximum Recorded Temperature	5000.0 (degC)	MRT
	5000.0 (degC)	MRT1
Date Logger At Bottom	27–Jun–2009	DLAB, TLAB
	Time Logger At Bottom	1:40

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

Remarks

Log correlated to Schlumberger LWD log provided by client	R1
Objective:	R2
RIH with Junk Basket to HUD to ensure access to a min of 2505 MDKB	R3
for HSD gun, POOH, RIH with GR/CCL/ 4 1/2" HSD 12 Spf, 135/45 deg phased	R4
perforating gun. Correlate on depth to LDW log, locate top shot @ 2464.5m and	R5
perforate well, POOH, RIH with 6" Junk basket to ensure access through	R6
perforations. Rig up slimhole GR/CCL RIH through tubing and correlate packer pip	R7
tags to casing for confirmation of blast joint placement.	R8
–Maximum well deviation 16 deg @ 2032m MDKB.	R10
–HUD tagged @ 2547m MDKB with Junk Basket.	R11
Days: Brendan G & Daniel H	R16
Nghts: Kevin Kerr & Ben T	R17

Frame Summary      File: PERFO\_043PUP      Sequence: 4

Origin: 41

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE–DEPTH	2549.19	2394.97 m	–60.0 (0.1 in) up	9	TDEP	60B

	8363.50	7857.50 ft				
BOREHOLE-DEPTH	2549.19	2394.99 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	8363.50	7857.58 ft				

<b>File Header</b> File: <b>PERFO_053PUP</b> Sequence: <b>5</b>						
<b>Defining Origin: 41</b>						
File ID: PERFO_053PUP   File Type: PLAYBACK						
Producer Name: Schlumberger		Product/Version: OP 17C0-154		File Set: 41	File Number: 52	28-JUN-2009 18:44:30
Company Name: Esso Australia Pty Ltd						
Well Name: CBA A33						
Field Name: Cobia						
Tool String: SHM_GUN, PGGT-CC						
Computations: WELLCAD						

<b>Error Summary</b> File: <b>PERFO_053PUP</b> Sequence: <b>5</b>		
No errors detected in file.		

<b>Well Site Data</b> File: <b>PERFO_053PUP</b> Sequence: <b>5</b>		
<b>Origin: 41</b>		
<b>Well Data</b>		
Company Name	Esso Australia Pty Ltd	CN
Well Name	CBA A33	WN
Field Name	Cobia	FN
Rig:	Rig 175	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Austrlia	NATI
Field Location	Bass Strait	FL
	Gippsland	FL1
	Basin	FL2
Longitude	148° 18'33.005"E	LONG
Latitude	038°26'57.568"S	LATI
Maximum Hole Deviation	16.0 (deg)	MHD
Elevation of Kelly Bushing	41.0 (m)	EKB
Elevation of Ground Level	-79.0 (m)	EGL
Elevation of Derrick Floor	41.0 (m)	EDF
Permanent Datum	GROUND LEVEL	PDAT, EPD
Log Measured From	RT	LMF, APD
Drilling Measured From	RT	DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, SON		
<b>Job Data</b>		
Date as Month-Day-Year	26-Jun-2009	DATE
Run Number	1	RUN
Total Depth - Driller	2579.0 (m)	TDD
Total Depth - Logger	2547.1 (m)	TDL
Bottom Log Interval	2467.0 (m)	BLI
Top Log Interval	2464.5 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.0 (m)	CDF
Casing Depth To	2551.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	589.0 (m)	BSDF
Bit Size Depth To	2579.0 (m)	BSDT
Date Logger At Bottom	27-Jun-2009	DLAB, TLAB
Logging Unit Number	3929	LUN, LUL
Engineer's Name	O. Darby	ENGI
Witness's Name	Greg Doty & Richard Moore	WITN
Absent Valued Parameters: SON		
<b>Mud Data</b>		
Drilling Fluid Type	Sea Water	DFT
Drilling Fluid Density	8.55 (g/cm3)	DFD
Maximum Recorded Temperature	5000.0 (degC)	MRT
	5000.0 (degC)	MRT1

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**

Log correlated to Schlumberger LWD log provided by client

Objective:

RIH with Junk Basket to HUD to ensure access to a min of 2505 MDKB

for HSD gun, POOH, RIH with GR/CCL/ 4 1/2" HSD 12 Spf, 135/45 deg phased

perforating gun. Correlate on depth to LDW log, locate top shot @ 2464.5m and

perforate well, POOH, RIH with 6" Junk basket to ensure access through

perforations. Rig up slimhole GR/CCL RIH through tubing and correlate packer pip

tags to casing for confirmation of blast joint placement.

-Maximum well deviation 16 deg @ 2032m MDKB.

-HUD tagged @ 2547m MDKB with Junk Basket.

Days: Brendan G &amp; Daniel H

Nghts: Kevin Kerr &amp; Ben T

R1

R2

R3

R4

R5

R6

R7

R8

R10

R11

R16

R17

**Frame Summary** File: **PERFO\_053PUP** Sequence: **5****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	2478.33	2397.40 m	-60.0 (0.1 in) up	9	TDEP	60B
	8131.00	7865.50 ft				
BOREHOLE-DEPTH	2478.33	2397.43 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	8131.00	7865.58 ft				

**Verification Listing****Listing Completed:** 28-JUN-2009 21:17:40