

**Input Source:** D:\OP\_Folder\Clients\CO2CRC\CRC-1\GUN\COMP\_CO2CRC1\_COMP\_003.DLIS  
**Format:** DLIS  
**Storage Set ID:** Default Storage Set

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

**File Header** File: **PERFO\_022LUP** Sequence: **1**

**Defining Origin: 38**

File ID: PERFO\_022LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 15C0-309

File Set: 41

File Number: 21

9-FEB-2008 13:21:38

Company Name: CO2CRC

Well Name: CRC-1

Field Name: Naylor

Tool String: SHM\_GUN, PGGT-C

Computations: WELLCAD

**Error Summary** File: **PERFO\_022LUP** Sequence: **1**

No errors detected in file.

**Well Site Data** File: **PERFO\_022LUP** Sequence: **1**

**Origin: 38**

**Well Data**

Company Name	CO2CRC	CN
Well Name	CRC-1	WN
Field Name	Naylor	FN
Rig:	Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Brumby's Lane, Nirrandah	FL
	PPL 13, GDA94, Otway Basin	FL1
	E: 657,913 m/ N: 5,733,761 m	FL2
Service Order Number	AUSL08636231	SON
Longitude	142 48' 42" E	LONG
Latitude	38 31' 50" S	LATI
Maximum Hole Deviation	0.0 (deg)	MHD
Elevation of Kelly Bushing	50.0 (m)	EKB
Elevation of Ground Level	44.8 (m)	EGL
Elevation of Derrick Floor	50.0 (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 50.0 (m)	
	Above Permanent Datum -50.0 (m)	

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

**Job Data**

Date as Month-Day-Year	9-Feb-2008	DATE
Run Number	1 to 5	RUN
Total Depth - Driller	2249.0 (m)	TDD
Total Depth - Logger	2116.0 (m)	TDL
Bottom Log Interval	2064.0 (m)	BLI
Top Log Interval	2053.0 (m)	TLI
Current Casing Size	4.50 (in)	CSIZ
Casing Weight	12.6 (lbm/ft)	CWEI
Bit Size	6.75 (in)	BS
Bit Size Depth From	516.0 (m)	BSDF
Bit Size Depth To	2249.0 (m)	BSDT
Date Logger At Bottom	9-Feb-2008	DLAB, TLAB
Logging Unit Location	MSLC-AB 3170	LUL
Engineer's Name	Michael Pratt	ENGI
Witness's Name	Terry Greaney	WITN
Service Order Number	AUSL08636231	SON
	Time Logger At Bottom 12:47	

Absent Valued Parameters: CDF, CADT, CASG, LUN

**Mud Data**

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

PVT Data

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

Cement Data

Cement Job TypePrimaryCJT

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

Remarks

Log correlated to Cement / Corrosion Evaluation log (Isolation scanner) dated 26-Sep-2007 provided by Schlumberger. R1  
Objectives: Perforate using 5 X 2-7/8" HSD, 6m carriers over the interval 2053 to 2064m. R2  
Gun 1& 2 will shoot 1.5m intervals using Powerjet 2906, HMX 6spf 60deg phase charges & Gun 3-5 will shot 2m intervals. R3  
The Gun will consist of 10 PURE Puncher HNS charges to create an underbalance for the 1.5 & 2m HMX intervals.i R4  
This well was perforated previous in the same zone 15-Dec-2007. Reperforating due to poor well R5  
injectivity performance. R6  
Secure Firing System used due to the presence of ground voltage previously found at this field. R7  
Gun #1: Top Shot @ 2062.5m, CCL to Top Shot : 4.125m, CCL Stop Depth: 2058.36m R9  
Gun # 2: Top Shot @ 2061m, CCL to Top Shot: 4.12m, CCL Stop Depth: 2056.88m R10  
Gun # 3: Top Shot @ 2057m, CCL to Top Shot: 3.97m, CCL Stop Depth: 2053.03m R11  
Gun # 4: Top Shot @ 2055m, CCL to Top Shot: 3.92m, CCLStop Depth:2051.08m R12  
Gun # 5: Top Shot @ 2053m, CCL to Top Shot: 3.92m, CCL Stop Depth:2049.08m R13  
A Fast Guage will be utilised on the HSD carrier for the Pure underbalance data to be recorded. R15  
Pressure control: Dual Packoff, Expected Well Temperature 0 Psi R16  
Crew: Jason Rayner, Andy Harding R17

Channels

File: PERFO\_022LUPSequence: 1

Origin: 38

SHM\_GUN: GUN

Spacing: -1.0 inNumber of Channels: 1  
SCCL

PGGT-C: Powered Gun Gamma Ray - C

Spacing: -6.0 inNumber of Channels: 2  
GR RGR

Spacing: -1.0 inNumber of Channels: 2  
CCL RCCL

System and Miscellaneous

Spacing: -6.0 inNumber of Channels: 7  
BS CS CVEL ETIM TDEP TENS TIME

Spacing: -1.0 inNumber of Channels: 5  
IDWD SCD SCDV TDEP;1 TIME;1

Frame Summary

File: PERFO\_022LUPSequence: 1

Origin: 38

<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	2113.79 6935.00	2010.46 m 6596.00 ft	-60.0 (0.1 in) up	9	TDEP	60B
BOREHOLE-DEPTH	2113.79 6935.00	2010.49 m 6596.08 ft	-10.0 (0.1 in) up	8	TDEP;1	10B

File Header

File: PERFO\_023LUPSequence: 2

Defining Origin: 38

File ID: PERFO\_023LUPFile Type: DEPTH LOG  
Producer Name: SchlumbergerProduct/Version: OP 15C0-309File Set: 41File Number: 229-FEB-2008 13:29:54  
Company Name: CO2CRC  
Well Name: CRC-1  
Field Name: Naylor  
Tool String: SHM\_GUN, PGGT-C  
Computations: WELL CAD

Computations:	WELLS:	
<b>Error Summary</b> File: <b>PERFO_023LUP</b> Sequence: <b>2</b>		
No errors detected in file.		

<b>Well Site Data</b> File: <b>PERFO_023LUP</b> Sequence: <b>2</b>
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**Origin: 38**

**Well Data**

Company Name	CO2CRC		CN
Well Name	CRC-1		WN
Field Name	Naylor		FN
Rig:	Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Brumby's Lane, Nirrandah		FL
	PPL 13, GDA94, Otway Basin		FL1
	E: 657,913 m/ N: 5,733,761 m		FL2
Service Order Number	AUSL08636231		SON
Longitude	142 48' 42" E		LONG
Latitude	38 31' 50" S		LATI
Maximum Hole Deviation	0.0 (deg)		MHD
Elevation of Kelly Bushing	50.0 (m)		EKB
Elevation of Ground Level	44.8 (m)		EGL
Elevation of Derrick Floor	50.0 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 50.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum -50.0 (m)	LMF, APD
Drilling Measured From	Drill Floor		DMF

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

**Job Data**

Date as Month-Day-Year	9-Feb-2008		DATE
Run Number	1 to 5		RUN
Total Depth - Driller	2249.0 (m)		TDD
Total Depth - Logger	2116.0 (m)		TDL
Bottom Log Interval	2064.0 (m)		BLI
Top Log Interval	2053.0 (m)		TLI
Current Casing Size	4.50 (in)		CSIZ
Casing Weight	12.6 (lbm/ft)		CWEI
Bit Size	6.75 (in)		BS
Bit Size Depth From	516.0 (m)		BSDF
Bit Size Depth To	2249.0 (m)		BSDT
Date Logger At Bottom	9-Feb-2008	Time Logger At Bottom 12:47	DLAB, TLAB
Logging Unit Location	MSLC-AB 3170		LUL
Engineer's Name	Michael Pratt		ENGI
Witness's Name	Terry Greaney		WITN
Service Order Number	AUSL08636231		SON

Absent Valued Parameters: CDF, CADT, CASG, LUN

**Mud Data**

Drilling Fluid Type	Brine		DFT
Date Logger At Bottom	9-Feb-2008	Time Logger At Bottom 12:47	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 Cement / Corrosion Evaluation log (Isolation scanner) dated 26-Sep-2007 provided by Schlumberger.	R1
Objectives: Perforate using 5 X 2-7/8" HSD, 6m carriers over the interval 2053 to 2064m.	R2
Gun 1& 2 will shoot 1.5m intervals using Powerjet 2906, HMX 6spf 60deg phase charges & Gun 3-5 will shot 2m intervals.	R3
The Gun will consist of 10 PURE Puncher HNS charges to create an underbalance for the 1.5 & 2m HMX intervals.i	R4
This well was perforated previous in the same zone 15-Dec-2007. Reperforating due to poor well injectivity performance.	R5
	R6
Secure Firing System used due to the presence of ground voltage previously found at this field.	R7
Gun #1: Top Shot @ 2062.5m, CCL to Top Shot : 4.125m, CCL Stop Depth: 2058.36m	R9
Gun # 2: Top Shot @ 2061m, CCL to Top Shot: 4.12m, CCL Stop Depth: 2056.88m	R10
Gun # 3: Top Shot @ 2057m, CCL to Top Shot: 3.97m, CCL Stop Depth: 2053.03m	R11
Gun # 4: Top Shot @ 2055m, CCL to Top Shot: 3.92m, CCLStop Depth:2051.08m	R12

R13  
R15  
R16  
R17

**Channels** File: **PERFO\_023LUP** Sequence: **2**

**Origin: 38**

**SHM GUN: GUN**

**Spacing:** -1.0 in  
SCCL

## PGGT-C: Powered Gun Gamma Ray – C

**Spacing:** -6.0 in

GR RGR

**Spacing:** -1.0 in

CCL      RCCL

## System and Miscellaneous

**Spacing:** -6.0 in

BS CS CVEL ETIM TDEP TENS TIME

**Spacing:** -1.0 in

IDWD	SCD	SCDV	TDEP:1	TIME:1
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**Frame Summary**      File: **PERFO\_023LUP**      Sequence: **2**

**Origin: 38**

<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	2115.01 6939.00	1640.74 m 5383.00 ft	-60.0 (0.1 in) up	9	TDEP	60B
BOREHOLE-DEPTH	2115.01 6939.00	1640.76 m 5383.08 ft	-10.0 (0.1 in) up	8	TDEP;1	10B

## File: PERFO\_031LUP Sequence: 3

## Defining Origin: 24

File ID: PERFO\_031LUP File Type: DEPTH LOG

Producer Name: Schlumberger Product/Version: OP 15C0-309

Company Name: CO2CRC

Well Name: CRC-1

Field Name: Naylor

Tool String: SHM\_GUN, PGGT-C

Computations: WELLCAD

**Error Summary**      File: **PERFO\_031LUP**      Sequence: **3**

No errors detected in file.

**Well Site Data**      File: **PERFO\_031LUP**      Sequence: **3**

**Origin: 24**

## Well Data

Company Name

Well Name

Field Name

Rig:

State: Victoria

Nation Australia

Field Location Brumby's

PPL 13, GDA94, Otway Basin

E: 657,913 m/ N: 5,733,761 m

Service Order Number AUSL08636231

Longitude 142 48' 42" E

Latitude	38 31' 50" S		LATI
Maximum Hole Deviation	0.0 (deg)		MHD
Elevation of Kelly Bushing	50.0 (m)		EKB
Elevation of Ground Level	44.8 (m)		EGL
Elevation of Derrick Floor	50.0 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 50.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum -50.0 (m)	LMF, APD
Drilling Measured From	Drill Floor		DMF

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

Job Data

Date as Month–Day–Year	9–Feb–2008		DATE
Run Number	1 to 5		RUN
Total Depth – Driller	2249.0 (m)		TDD
Total Depth – Logger	2116.0 (m)		TDL
Bottom Log Interval	2064.0 (m)		BLI
Top Log Interval	2053.0 (m)		TLI
Current Casing Size	4.50 (in)		CSIZ
Casing Weight	12.6 (lbm/ft)		CWEI
Bit Size	6.75 (in)		BS
Bit Size Depth From	516.0 (m)		BSDF
Bit Size Depth To	2249.0 (m)		BSDT
Date Logger At Bottom	9–Feb–2008	Time Logger At Bottom 12:47	DLAB, TLAB
Logging Unit Location	MSLC–AB 3170		LUL
Engineer's Name	Michael Pratt		ENGI
Witness's Name	Terry Greaney		WITN
Service Order Number	AUSL08636231		SON

Absent Valued Parameters: CDF, CADT, CASG, LUN

Mud Data

Drilling Fluid Type	Brine		DFT
Date Logger At Bottom	9–Feb–2008	Time Logger At Bottom 12:47	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 Cement / Corrosion Evaluation log (Isolation scanner) dated 26–Sep–2007 provided by Schlumberger.	R1
Objectives: Perforate using 5 X 2–7/8" HSD, 6m carriers over the interval 2053 to 2064m.	R2
Gun 1 & 2 will shoot 1.5m intervals using Powerjet 2906, HMX 6spf 60deg phase charges & Gun 3–5 will shot 2m intervals.	R3
The Gun will consist of 10 PURE Puncher HNS charges to create an underbalance for the 1.5 & 2m HMX intervals.i	R4
This well was perforated previous in the same zone 15–Dec–2007. Reperforating due to poor well injectivity performance.	R5
	R6
Secure Firing System used due to the presence of ground voltage previously found at this field.	R7
Gun #1: Top Shot @ 2062.5m, CCL to Top Shot : 4.125m, CCL Stop Depth: 2058.36m	R9
Gun # 2: Top Shot @ 2061m, CCL to Top Shot: 4.12m, CCL Stop Depth: 2056.88m	R10
Gun # 3: Top Shot @ 2057m, CCL to Top Shot: 3.97m, CCL Stop Depth: 2053.03m	R11
Gun # 4: Top Shot @ 2055m, CCL to Top Shot: 3.92m, CCLStop Depth:2051.08m	R12
Gun # 5: Top Shot @ 2053m, CCL to Top Shot: 3.92m, CCL Stop Depth:2049.08m	R13
A Fast Guage will be utilised on the HSD carrier for the Pure underbalance data to be recorded.	R15
Pressure control: Dual Packoff, Expected Well Temperature 0 Psi	R16
Crew: Jason Rayner, Andy Harding	R17

Channels File: PERFO\_031LUP Sequence: 3

Origin: 24

SHM\_GUN: GUN

Spacing: -1.0 in	Number of Channels: 1
SCCL	

PGGT–C: Powered Gun Gamma Ray – C

Spacing: -6.0 in	Number of Channels: 2
GR RGR	
Spacing: -1.0 in	Number of Channels: 2
CCL RCCL	

System and Miscellaneous

Spacing: -6.0 in	Number of Channels: 7
BS CS CVEL ETIM TDEP TENS TIME	

Spacing: -1.0 in		Number of Channels: 5	
IDWD	SCD	SCDV	TDEP;1 TIME;1

Frame Summary		File: PERFO_031LUP	Sequence: 3			
Origin: 24						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2115.31	2003.60 m	-60.0 (0.1 in) up	9	TDEP	60B
	6940.00	6573.50 ft				
BOREHOLE-DEPTH	2115.31	2003.63 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	6940.00	6573.58 ft				

File Header		File: PERFO_032LUP	Sequence: 4
Defining Origin: 24			
File ID: PERFO_032LUP		File Type: DEPTH LOG	
Producer Name: Schlumberger		Product/Version: OP 15C0-309	
		File Set: 41	File Number: 31
		9-FEB-2008 16:34:48	
Company Name: CO2CRC			
Well Name: CRC-1			
Field Name: Naylor			
Tool String: SHM_GUN, PGGT-C			
Computations: WELLCAD			

Error Summary		File: PERFO_032LUP	Sequence: 4
No errors detected in file.			

Well Site Data		File: PERFO_032LUP	Sequence: 4
Origin: 24			
Well Data			
Company Name	CO2CRC		CN
Well Name	CRC-1		WN
Field Name	Naylor		FN
Rig:	Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Brumby's Lane, Nirrandah		FL
	PPL 13, GDA94, Otway Basin		FL1
	E: 657,913 m/ N: 5,733,761 m		FL2
Service Order Number	AUSL08636231		SON
Longitude	142 48' 42" E		LONG
Latitude	38 31' 50" S		LATI
Maximum Hole Deviation	0.0 (deg)		MHD
Elevation of Kelly Bushing	50.0 (m)		EKB
Elevation of Ground Level	44.8 (m)		EGL
Elevation of Derrick Floor	50.0 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 50.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum -50.0 (m)	LMF, APD
Drilling Measured From	Drill Floor		DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN			
Job Data			
Date as Month-Day-Year	9-Feb-2008		DATE
Run Number	1 to 5		RUN
Total Depth - Driller	2249.0 (m)		TDD
Total Depth - Logger	2116.0 (m)		TDL
Bottom Log Interval	2064.0 (m)		BLI
Top Log Interval	2053.0 (m)		TLI
Current Casing Size	4.50 (in)		CSIZ
Casing Weight	12.6 (lbm/ft)		CWEI
Bit Size	6.75 (in)		BS
Bit Size Depth From	516.0 (m)		BSDF
Bit Size Depth To	2249.0 (m)		BSDT

Date Logger At Bottom  
Logging Unit Location  
Engineer's Name  
Witness's Name  
Service Order Number

9-Feb-2008  
MSLC-AB 3170  
Michael Pratt  
Terry Greaney  
AUSL08636231

Time Logger At Bottom 12:47

DLAB, TLAB  
LUL  
ENGI  
WITN  
SON

Absent Valued Parameters: CDF, CADT, CASG, LUN

Mud Data

Drilling Fluid Type  
Date Logger At Bottom

Brine  
9-Feb-2008

Time Logger At Bottom 12:47

DFT  
DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 Cement / Corrosion Evaluation log (Isolation scanner) dated 26-Sep-2007 provided by Schlumberger.  
Objectives: Perforate using 5 X 2-7/8" HSD, 6m carriers over the interval 2053 to 2064m.  
Gun 1& 2 will shoot 1.5m intervals using Powerjet 2906, HMX 6spf 60deg phase charges & Gun 3-5 will shot 2m intervals.  
The Gun will consist of 10 PURE Puncher HNS charges to create an underbalance for the 1.5 & 2m HMX intervals.i  
This well was perforated previous in the same zone 15-Dec-2007. Reperforating due to poor well injectivity performance.  
Secure Firing System used due to the presence of ground voltage previously found at this field.  
Gun #1: Top Shot @ 2062.5m, CCL to Top Shot : 4.125m, CCL Stop Depth: 2058.36m  
Gun # 2: Top Shot @ 2061m, CCL to Top Shot: 4.12m, CCL Stop Depth: 2056.88m  
Gun # 3: Top Shot @ 2057m, CCL to Top Shot: 3.97m, CCL Stop Depth: 2053.03m  
Gun # 4: Top Shot @ 2055m, CCL to Top Shot: 3.92m, CCLStop Depth:2051.08m  
Gun # 5: Top Shot @ 2053m, CCL to Top Shot: 3.92m, CCL Stop Depth:2049.08m  
A Fast Guage will be utilised on the HSD carrier for the Pure underbalance data to be recorded.  
Pressure control: Dual Packoff, Expected Well Temperature 0 Psi  
Crew: Jason Rayner, Andy Harding

R1  
R2  
R3  
R4  
R5  
R6  
R7  
R9  
R10  
R11  
R12  
R13  
R15  
R16  
R17

Channels

File: PERFO\_032LUP

Sequence: 4

Origin: 24

SHM\_GUN: GUN

Spacing: -1.0 in  
SCCL

Number of Channels: 1

PGGT-C: Powered Gun Gamma Ray - C

Spacing: -6.0 in  
GR RGR

Number of Channels: 2

Spacing: -1.0 in  
CCL RCCL

Number of Channels: 2

System and Miscellaneous

Spacing: -6.0 in  
BS CS CVEL ETIM TDEP TENS TIME

Number of Channels: 7

Spacing: -1.0 in  
IDWD SCD SCDV TDEP;1 TIME;1

Number of Channels: 5

Frame Summary

File: PERFO\_032LUP

Sequence: 4

Origin: 24

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2115.31	1881.68 m	-60.0 (0.1 in) up	9	TDEP	60B
	6940.00	6173.50 ft				
BOREHOLE-DEPTH	2115.31	1881.71 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	6940.00	6173.58 ft				

File Header

File: PERFO\_045LUP

Sequence: 5

Computations: WELLCAD

No errors detected in file.

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

## Absent Valued Parameters: CDF, CADT, CASG, LUN

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

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

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

Log correlated to Cement / Corrosion Evaluation log (Isolation scanner) dated 26-Sep-2007 provided by Schlumberger. R1  
Objectives: Perforate using 5 X 2-7/8" HSD, 6m carriers over the interval 2053 to 2064m. R2



Gun 1 & 2 will shoot 1.5m intervals using Powerjet 2906, HMX 6spt 60deg phase charges & Gun 3–5 will shot 2m intervals.	R3
The Gun will consist of 10 PURE Puncher HNS charges to create an underbalance for the 1.5 & 2m HMX intervals.i	R4
This well was perforated previous in the same zone 15–Dec–2007. Reperforating due to poor well injectivity performance.	R5
Secure Firing System used due to the presence of ground voltage previously found at this field.	R6
Gun #1: Top Shot @ 2062.5m, CCL to Top Shot : 4.125m, CCL Stop Depth: 2058.36m	R7
Gun # 2: Top Shot @ 2061m, CCL to Top Shot: 4.12m, CCL Stop Depth: 2056.88m	R9
Gun # 3: Top Shot @ 2057m, CCL to Top Shot: 3.97m, CCL Stop Depth: 2053.03m	R10
Gun # 4: Top Shot @ 2055m, CCL to Top Shot: 3.92m, CCLStop Depth:2051.08m	R11
Gun # 5: Top Shot @ 2053m, CCL to Top Shot: 3.92m, CCL Stop Depth:2049.08m	R12
A Fast Guage will be utilised on the HSD carrier for the Pure underbalance data to be recorded.	R13
Pressure control: Dual Packoff, Expected Well Temperature 0 Psi	R15
Crew: Jason Rayner, Andy Harding	R16
	R17

Channels	File: PERFO_045LUP	Sequence: 5
Origin: 43		
SHM_GUN: GUN		
Spacing: -1.0 in	Number of Channels: 1	
SCCL		
PGGT-C: Powered Gun Gamma Ray - C		
Spacing: -6.0 in	Number of Channels: 2	
GR RGR		
Spacing: -1.0 in	Number of Channels: 2	
CCL RCCL		
System and Miscellaneous		
Spacing: -6.0 in	Number of Channels: 7	
BS CS CVEL ETIM TDEP TENS TIME		
Spacing: -1.0 in	Number of Channels: 5	
IDWD SCD SCDV TDEP;1 TIME;1		

Frame Summary		File: PERFO_045LUP	Sequence: 5			
Origin: 43						
<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	2115.01	2009.55 m	-60.0 (0.1 in) up	9	TDEP	60B
	6939.00	6593.00 ft				
BOREHOLE-DEPTH	2115.01	2009.57 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	6939.00	6593.08 ft				

<b>File Header</b>	File: <b>PERFO_046LUP</b>	Sequence: <b>6</b>
<b>Defining Origin: 43</b>		
File ID: PERFO_046LUP   File Type: DEPTH LOG		
Producer Name: Schlumberger		Product/Version: OP 15C0-309
		File Set: 41
		File Number: 45
		10-FEB-2008 11:26:33
Company Name:	CO2CRC	
Well Name:	CRC-1	
Field Name:	Naylor	
Tool String:	SHM_GUN, PGGT-C	
Computations:	WELLCAD	

<b>Error Summary</b>	File: <b>PERFO_046LUP</b>	Sequence: <b>6</b>
No errors detected in file.		

<b>Well Site Data</b>	File: <b>PERFO_046LUP</b>	Sequence: <b>6</b>
<b>Origin: 43</b>		
<b>Well Data</b>		
Company Name	CO2CRC	CN
Well Name	CRC–1	WN

Field Name	Naylor		FN
Rig:	Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Brumby's Lane, Nirrandah		FL
	PPL 13, GDA94, Otway Basin		FL1
	E: 657,913 m/ N: 5,733,761 m		FL2
Service Order Number	AUSL08636231		SON
Longitude	142 48' 42" E		LONG
Latitude	38 31' 50" S		LATI
Maximum Hole Deviation	0.0 (deg)		MHD
Elevation of Kelly Bushing	50.0 (m)		EKB
Elevation of Ground Level	44.8 (m)		EGL
Elevation of Derrick Floor	50.0 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 50.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum -50.0 (m)	LMF, APD
Drilling Measured From	Drill Floor		DMF

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

Job Data

Date as Month–Day–Year	9–Feb–2008		DATE
Run Number	1 to 5		RUN
Total Depth – Driller	2249.0 (m)		TDD
Total Depth – Logger	2116.0 (m)		TDL
Bottom Log Interval	2064.0 (m)		BLI
Top Log Interval	2053.0 (m)		TLI
Current Casing Size	4.50 (in)		CSIZ
Casing Weight	12.6 (lbm/ft)		CWEI
Bit Size	6.75 (in)		BS
Bit Size Depth From	516.0 (m)		BSDF
Bit Size Depth To	2249.0 (m)		BSDT
Date Logger At Bottom	9–Feb–2008	Time Logger At Bottom 12:47	DLAB, TLAB
Logging Unit Location	MSLC–AB 3170		LUL
Engineer's Name	Michael Pratt		ENGI
Witness's Name	Terry Greaney		WITN
Service Order Number	AUSL08636231		SON

Absent Valued Parameters: CDF, CADT, CASG, LUN

Mud Data

Drilling Fluid Type	Brine		DFT
Date Logger At Bottom	9–Feb–2008	Time Logger At Bottom 12:47	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 Cement / Corrosion Evaluation log (Isolation scanner) dated 26–Sep–2007 provided by Schlumberger.	R1
Objectives: Perforate using 5 X 2–7/8" HSD, 6m carriers over the interval 2053 to 2064m.	R2
Gun 1& 2 will shoot 1.5m intervals using Powerjet 2906, HMX 6spf 60deg phase charges & Gun 3–5 will shot 2m intervals.	R3
The Gun will consist of 10 PURE Puncher HNS charges to create an underbalance for the 1.5 & 2m HMX intervals.i	R4
This well was perforated previous in the same zone 15–Dec–2007. Reperforating due to poor well injectivity performance.	R5
	R6
Secure Firing System used due to the presence of ground voltage previously found at this field.	R7
Gun #1: Top Shot @ 2062.5m, CCL to Top Shot : 4.125m, CCL Stop Depth: 2058.36m	R9
Gun # 2: Top Shot @ 2061m, CCL to Top Shot: 4.12m, CCL Stop Depth: 2056.88m	R10
Gun # 3: Top Shot @ 2057m, CCL to Top Shot: 3.97m, CCL Stop Depth: 2053.03m	R11
Gun # 4: Top Shot @ 2055m, CCL to Top Shot: 3.92m, CCLStop Depth:2051.08m	R12
Gun # 5: Top Shot @ 2053m, CCL to Top Shot: 3.92m, CCL Stop Depth:2049.08m	R13
A Fast Guage will be utilised on the HSD carrier for the Pure underbalance data to be recorded.	R15
Pressure control: Dual Packoff, Expected Well Temperature 0 Psi	R16
Crew: Jason Rayner, Andy Harding	R17

ChannelsFile: PERFO\_046LUPSequence: 6

Origin: 43

SHM\_GUN: GUN

Spacing: -1.0 inNumber of Channels: 1

SCCL

POST\_G\_Personnel\_Gun\_Camera\_Base\_G

<b>PGGT-C: Powered Gun Gamma Ray - C</b>		<b>Number of Channels: 2</b>	
<b>Spacing:</b> -6.0 in	GR	RGR	
<b>Spacing:</b> -1.0 in	CCL	RCCL	
<b>System and Miscellaneous</b>			
<b>Spacing:</b> -6.0 in			<b>Number of Channels: 7</b>
BS	CS	CVEL	ETIM
	TDEP	TENS	TIME
<b>Spacing:</b> -1.0 in			<b>Number of Channels: 5</b>
IDWD	SCD	SCDV	TDEP;1
			TIME;1

<b>Frame Summary</b>		File: <b>PERFO_046LUP</b>	Sequence: <b>6</b>
<b>Origin: 43</b>			
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>
BOREHOLE-DEPTH	2115.16	1958.04 m	-60.0 (0.1 in) up
	6939.50	6424.00 ft	
			<u>Channels</u>
			9
			<u>Index Channel</u>
			TDEP
			<u>Frame Name</u>
			60B
BOREHOLE-DEPTH	2115.16	1958.06 m	-10.0 (0.1 in) up
	6939.50	6424.08 ft	
			8
			TDEP;1
			10B

<b>File Header</b>		File: <b>PERFO_054LUP</b>	Sequence: <b>7</b>
<b>Defining Origin: 78</b>			
File ID: PERFO_054LUP		File Type: DEPTH LOG	
Producer Name: Schlumberger		Product/Version: OP 15C0-309	
		File Set: 41	File Number: 53
		10-FEB-2008 14:15:14	
Company Name: CO2CRC			
Well Name: CRC-1			
Field Name: Naylor			
Tool String: SHM_GUN, PGGT-C			
Computations: WELLCAD			

<b>Error Summary</b>		File: <b>PERFO_054LUP</b>	Sequence: <b>7</b>
No errors detected in file.			

<b>Well Site Data</b>		File: <b>PERFO_054LUP</b>	Sequence: <b>7</b>
<b>Origin: 78</b>			
<b>Well Data</b>			
Company Name	CO2CRC		CN
Well Name	CRC-1		WN
Field Name	Naylor		FN
Rig:	Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Brumby's Lane, Nirrandah		FL
	PPL 13, GDA94, Otway Basin		FL1
	E: 657,913 m/ N: 5,733,761 m		FL2
Service Order Number	AUSL08636231		SON
Longitude	142 48' 42" E		LONG
Latitude	38 31' 50" S		LATI
Maximum Hole Deviation	0.0 (deg)		MHD
Elevation of Kelly Bushing	50.0 (m)		EKB
Elevation of Ground Level	44.8 (m)		EGL
Elevation of Derrick Floor	50.0 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum	50.0 (m)
Log Measured From	Drill Floor	Above Permanent Datum	-50.0 (m)
Drilling Measured From	Drill Floor		LMF, APD
			DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN			

<b>Job Data</b>			
Date as Month-Day-Year	9-Feb-2008		DATE
Run Number	1 to 5		RUN
Total Depth	2249.0 (m)		TDD

Total Depth – Driller	2249.0 (m)			TDL
Total Depth – Logger	2116.0 (m)			BLI
Bottom Log Interval	2064.0 (m)			TLI
Top Log Interval	2053.0 (m)			CSIZ
Current Casing Size	4.50 (in)			CWEI
Casing Weight	12.6 (lbm/ft)			BS
Bit Size	6.75 (in)			BSDF
Bit Size Depth From	516.0 (m)			BSDT
Bit Size Depth To	2249.0 (m)			DLAB, TLAB
Date Logger At Bottom	9–Feb–2008	Time Logger At Bottom	12:47	LUL
Logging Unit Location	MSLC–AB 3170			ENGI
Engineer's Name	Michael Pratt			WITN
Witness's Name	Terry Greaney			SON
Service Order Number	AUSL08636231			
Absent Valued Parameters: CDF, CADT, CASG, LUN				
<b>Mud Data</b>				
Drilling Fluid Type	Brine			DFT
Date Logger At Bottom	9–Feb–2008	Time Logger At Bottom	12:47	DLAB, TLAB
Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS				
<b>PVT Data</b>				
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR				
<b>Cement Data</b>				
Cement Job Type	Primary			CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA				
<b>Remarks</b>				
Log correlated to Cement / Corrosion Evaluation log (Isolation scanner) dated 26–Sep–2007 provided by Schlumberger.				R1
Objectives: Perforate using 5 X 2–7/8" HSD, 6m carriers over the interval 2053 to 2064m.				R2
Gun 1 & 2 will shoot 1.5m intervals using Powerjet 2906, HMX 6spf 60deg phase charges & Gun 3–5 will shot 2m intervals.				R3
The Gun will consist of 10 PURE Puncher HNS charges to create an underbalance for the 1.5 & 2m HMX intervals.i				R4
This well was perforated previous in the same zone 15–Dec–2007. Reperforating due to poor well injectivity performance.				R5
Secure Firing System used due to the presence of ground voltage previously found at this field.				R6
Gun #1: Top Shot @ 2062.5m, CCL to Top Shot : 4.125m, CCL Stop Depth: 2058.36m				R7
Gun # 2: Top Shot @ 2061m, CCL to Top Shot: 4.12m, CCL Stop Depth: 2056.88m				R9
Gun # 3: Top Shot @ 2057m, CCL to Top Shot: 3.97m, CCL Stop Depth: 2053.03m				R10
Gun # 4: Top Shot @ 2055m, CCL to Top Shot: 3.92m, CCLStop Depth:2051.08m				R11
Gun # 5: Top Shot @ 2053m, CCL to Top Shot: 3.92m, CCL Stop Depth:2049.08m				R12
A Fast Guage will be utilised on the HSD carrier for the Pure underbalance data to be recorded.				R13
Pressure control: Dual Packoff, Expected Well Temperature 0 Psi				R15
Crew: Jason Rayner, Andy Harding				R16
				R17

Channels		File: PERFO_054LUP	Sequence: 7
Origin: 78			
SHM_GUN: GUN			
Spacing: -1.0 in		Number of Channels: 1	
SCCL			
PGGT-C: Powered Gun Gamma Ray - C			
Spacing: -6.0 in		Number of Channels: 2	
GR RGR			
Spacing: -1.0 in		Number of Channels: 2	
CCL RCCL			
System and Miscellaneous			
Spacing: -6.0 in		Number of Channels: 7	
BS CS CVEL ETIM TDEP TENS TIME			
Spacing: -1.0 in		Number of Channels: 5	
IDWD SCD SCDV TDEP;1 TIME;1			

<div>Frame Summary</div> <div>File: PERFO_054LUP      Sequence: 7</div>													
<div>Origin: 78</div> <table><thead><tr><th>Index Type</th><th>Start</th><th>Stop</th><th>Spacing</th><th>Channels</th><th>Index Channel</th><th>Frame Name</th></tr></thead></table>							Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name							

BOREHOLE-DEPTH	2116.84 6945.00	2010.46 m 6596.00 ft	-60.0 (0.1 in) up	9	TDEP	60B
BOREHOLE-DEPTH	2116.84 6945.00	2010.49 m 6596.08 ft	-10.0 (0.1 in) up	8	TDEP,1	10B

## File Header

File: **PERFO\_055LUP** Sequence: **8**

### Defining Origin: 78

File ID: PERFO\_055LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 15C0-309

File Set: 41

File Number: 54

10-FEB-2008 14:25:53

Company Name: CO2CRC

Well Name: CRC-1

Field Name: Naylor

Tool String: SHM\_GUN, PGGT-C

Computations: WELLCAD

## Error Summary

File: **PERFO\_055LUP** Sequence: **8**

No errors detected in file.

## Well Site Data

File: **PERFO\_055LUP** Sequence: **8**

### Origin: 78

#### Well Data

Company Name	CO2CRC		CN
Well Name	CRC-1		WN
Field Name	Naylor		FN
Rig:	Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Brumby's Lane, Nirrandah		FL
	PPL 13, GDA94, Otway Basin		FL1
	E: 657,913 m/ N: 5,733,761 m		FL2
Service Order Number	AUSL08636231		SON
Longitude	142 48' 42" E		LONG
Latitude	38 31' 50" S		LATI
Maximum Hole Deviation	0.0 (deg)		MHD
Elevation of Kelly Bushing	50.0 (m)		EKB
Elevation of Ground Level	44.8 (m)		EGL
Elevation of Derrick Floor	50.0 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 50.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum -50.0 (m)	LMF, APD
Drilling Measured From	Drill Floor		DMF

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

#### Job Data

Date as Month-Day-Year	9-Feb-2008		DATE
Run Number	1 to 5		RUN
Total Depth - Driller	2249.0 (m)		TDD
Total Depth - Logger	2116.0 (m)		TDL
Bottom Log Interval	2064.0 (m)		BLI
Top Log Interval	2053.0 (m)		TLI
Current Casing Size	4.50 (in)		CSIZ
Casing Weight	12.6 (lbm/ft)		CWEI
Bit Size	6.75 (in)		BS
Bit Size Depth From	516.0 (m)		BSDF
Bit Size Depth To	2249.0 (m)		BSDT
Date Logger At Bottom	9-Feb-2008	Time Logger At Bottom 12:47	DLAB, TLAB
Logging Unit Location	MSLC-AB 3170		LUL
Engineer's Name	Michael Pratt		ENGI
Witness's Name	Terry Greaney		WITN
Service Order Number	AUSL08636231		SON

Absent Valued Parameters: CDF, CADT, CASG, LUN

#### Mud Data

Drilling Fluid Type	Brine		DFT
Date Logger At Bottom	9-Feb-2008	Time Logger At Bottom 12:47	DLAB, TLAB

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

#### PVT Data

**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 Cement / Corrosion Evaluation log (Isolation scanner) dated 26-Sep-2007 provided by Schlumberger.  
 Objectives: Perforate using 5 X 2-7/8" HSD, 6m carriers over the interval 2053 to 2064m.  
 Gun 1 & 2 will shoot 1.5m intervals using Powerjet 2906, HMX 6spf 60deg phase charges & Gun 3-5 will shot 2m intervals.  
 The Gun will consist of 10 PURE Puncher HNS charges to create an underbalance for the 1.5 & 2m HMX intervals.i  
 This well was perforated previous in the same zone 15-Dec-2007. Reperforating due to poor well injectivity performance.  
 Secure Firing System used due to the presence of ground voltage previously found at this field.  
 Gun #1: Top Shot @ 2062.5m, CCL to Top Shot : 4.125m, CCL Stop Depth: 2058.36m  
 Gun # 2: Top Shot @ 2061m, CCL to Top Shot: 4.12m, CCL Stop Depth: 2056.88m  
 Gun # 3: Top Shot @ 2057m, CCL to Top Shot: 3.97m, CCL Stop Depth: 2053.03m  
 Gun # 4: Top Shot @ 2055m, CCL to Top Shot: 3.92m, CCLStop Depth:2051.08m  
 Gun # 5: Top Shot @ 2053m, CCL to Top Shot: 3.92m, CCL Stop Depth:2049.08m  
 A Fast Guage will be utilised on the HSD carrier for the Pure underbalance data to be recorded.  
 Pressure control: Dual Packoff, Expected Well Temperature 0 Psi  
 Crew: Jason Rayner, Andy Harding

R1  
R2  
R3  
R4  
R5  
R6  
R7  
R9  
R10  
R11  
R12  
R13  
R15  
R16  
R17

**Channels**File: **PERFO\_055LUP** Sequence: **8****Origin: 78****SHM\_GUN: GUN**

**Spacing:** -1.0 in  
SCCL

**Number of Channels: 1****PGGT-C: Powered Gun Gamma Ray - C**

**Spacing:** -6.0 in  
GR RGR

**Number of Channels: 2**

**Spacing:** -1.0 in  
CCL RCCL

**Number of Channels: 2****System and Miscellaneous**

**Spacing:** -6.0 in  
BS CS CVEL ETIM TDEP TENS TIME

**Number of Channels: 7**

**Spacing:** -1.0 in  
IDWD SCD SCDV TDEP;1 TIME;1

**Number of Channels: 5****Frame Summary**File: **PERFO\_055LUP** Sequence: **8****Origin: 78**

<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	2115.16	1963.83 m	-60.0 (0.1 in) up	9	TDEP	60B
	6939.50	6443.00 ft				
BOREHOLE-DEPTH	2115.16	1963.85 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	6939.50	6443.08 ft				

**File Header**File: **PERFO\_066LUP** Sequence: **9****Defining Origin: 127**

File ID: PERFO\_066LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 15C0-309

File Set: 41

File Number: 65

10-FEB-2008 17:57:30

Company Name: CO2CRC

Well Name: CRC-1

Field Name: Naylor

Tool String: SHM\_GUN, PGGT-C

Computations: WELLCAD

**Error Summary**File: **PERFO\_066LUP** Sequence: **9**

No errors detected in file.

Origin: 127

Well Data

Company Name	CO2CRC	CN
Well Name	CRC-1	WN
Field Name	Naylor	FN
Rig:	Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Brumby's Lane, Nirrandah	FL
	PPL 13, GDA94, Otway Basin	FL1
	E: 657,913 m/ N: 5,733,761 m	FL2
Service Order Number	AUSL08636231	SON
Longitude	142 48' 42" E	LONG
Latitude	38 31' 50" S	LATI
Maximum Hole Deviation	0.0 (deg)	MHD
Elevation of Kelly Bushing	50.0 (m)	EKB
Elevation of Ground Level	44.8 (m)	EGL
Elevation of Derrick Floor	50.0 (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

Job Data

Date as Month-Day-Year	9-Feb-2008	DATE
Run Number	1 to 5	RUN
Total Depth - Driller	2249.0 (m)	TDD
Total Depth - Logger	2116.0 (m)	TDL
Bottom Log Interval	2064.0 (m)	BLI
Top Log Interval	2053.0 (m)	TLI
Current Casing Size	4.50 (in)	CSIZ
Casing Weight	12.6 (lbm/ft)	CWEI
Bit Size	6.75 (in)	BS
Bit Size Depth From	516.0 (m)	BSDF
Bit Size Depth To	2249.0 (m)	BSDT
Date Logger At Bottom	9-Feb-2008	DLAB, TLAB
Time Logger At Bottom	12:47	
Logging Unit Location	MSLC-AB 3170	LUL
Engineer's Name	Michael Pratt	ENGI
Witness's Name	Terry Greaney	WITN
Service Order Number	AUSL08636231	SON

Absent Valued Parameters: CDF, CADT, CASG, LUN

Mud Data

Drilling Fluid Type	Brine	DFT
Date Logger At Bottom	9-Feb-2008	DLAB, TLAB
Time Logger At Bottom	12:47	

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 Cement / Corrosion Evaluation log (Isolation scanner) dated 26-Sep-2007 provided by Schlumberger.	R1
Objectives: Perforate using 5 X 2-7/8" HSD, 6m carriers over the interval 2053 to 2064m.	R2
Gun 1& 2 will shoot 1.5m intervals using Powerjet 2906, HMX 6spf 60deg phase charges & Gun 3-5 will shot 2m intervals.	R3
The Gun will consist of 10 PURE Puncher HNS charges to create an underbalance for the 1.5 & 2m HMX intervals.i	R4
This well was perforated previous in the same zone 15-Dec-2007. Reperforating due to poor well injectivity performance.	R5
	R6
Secure Firing System used due to the presence of ground voltage previously found at this field.	R7
Gun #1: Top Shot @ 2062.5m, CCL to Top Shot : 4.125m, CCL Stop Depth: 2058.36m	R9
Gun # 2: Top Shot @ 2061m, CCL to Top Shot: 4.12m, CCL Stop Depth: 2056.88m	R10
Gun # 3: Top Shot @ 2057m, CCL to Top Shot: 3.97m, CCL Stop Depth: 2053.03m	R11
Gun # 4: Top Shot @ 2055m, CCL to Top Shot: 3.92m, CCLStop Depth:2051.08m	R12
Gun # 5: Top Shot @ 2053m, CCL to Top Shot: 3.92m, CCL Stop Depth:2049.08m	R13
A Fast Guage will be utilised on the HSD carrier for the Pure underbalance data to be recorded.	R15
Pressure control: Dual Packoff, Expected Well Temperature 0 Psi	R16
Crew: Jason Rayner, Andy Harding	R17

Channels

File: PERFO\_066LUP

Sequence: 9

Origin: 127

SHM\_GUN: GUN

Spacing: -1.0 in

SCCL

Number of Channels: 1

PGGT-C: Powered Gun Gamma Ray - C

Spacing: -6.0 in

GR

RGR

Number of Channels: 2

Spacing: -1.0 in

CCL

RCCL

Number of Channels: 2

System and Miscellaneous

Spacing: -6.0 in

BS

CS

CVEL

ETIM

TDEP

TENS

TIME

Number of Channels: 7

Spacing: -1.0 in

IDWD

SCD

SCDV

TDEP;1

TIME;1

Number of Channels: 5

Frame Summary File: PERFO\_066LUP Sequence: 9

Origin: 127						
<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	2115.16	2004.82 m	-60.0 (0.1 in) up	9	TDEP	60B
	6939.50	6577.50 ft				
BOREHOLE-DEPTH	2115.16	2004.85 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	6939.50	6577.58 ft				

File Header File: PERFO\_067LUP Sequence: 10

Defining Origin: 127					
File ID: PERFO_067LUP File Type: DEPTH LOG					
Producer Name: Schlumberger		Product/Version: OP 15C0-309		File Set: 41	File Number: 66 10-FEB-2008 18:12:45
Company Name: CO2CRC					
Well Name: CRC-1					
Field Name: Naylor					
Tool String: SHM_GUN, PGGT-C					
Computations: WELLCAD					

Error Summary File: PERFO\_067LUP Sequence: 10

No errors detected in file.

Well Site Data File: PERFO\_067LUP Sequence: 10

Origin: 127			
Well Data			
Company Name	CO2CRC		CN
Well Name	CRC-1		WN
Field Name	Naylor		FN
Rig:	Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Brumby's Lane, Nirrandah		FL
	PPL 13, GDA94, Otway Basin		FL1
	E: 657,913 m/ N: 5,733,761 m		FL2
Service Order Number	AUSL08636231		SON
Longitude	142 48' 42" E		LONG
Latitude	38 31' 50" S		LATI
Maximum Hole Deviation	0.0 (deg)		MHD
Elevation of Kelly Bushing	50.0 (m)		EKB
Elevation of Ground Level	44.8 (m)		EGL
Elevation of Derrick Floor	50.0 (m)		EDF



Permanent Datum	Mean Sea Level	Elevation of Permanent Datum	50.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum	-50.0 (m)	LMF, APD
Drilling Measured From	Drill Floor			DMF

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

Job Data

Date as Month-Day-Year	9-Feb-2008			DATE
Run Number	1 to 5			RUN
Total Depth – Driller	2249.0 (m)			TDD
Total Depth – Logger	2116.0 (m)			TDL
Bottom Log Interval	2064.0 (m)			BLI
Top Log Interval	2053.0 (m)			TLI
Current Casing Size	4.50 (in)			CSIZ
Casing Weight	12.6 (lbm/ft)			CWEI
Bit Size	6.75 (in)			BS
Bit Size Depth From	516.0 (m)			BSDF
Bit Size Depth To	2249.0 (m)			BSDT
Date Logger At Bottom	9-Feb-2008	Time Logger At Bottom	12:47	DLAB, TLAB
Logging Unit Location	MSLC-AB 3170			LUL
Engineer's Name	Michael Pratt			ENGI
Witness's Name	Terry Greaney			WITN
Service Order Number	AUSL08636231			SON

Absent Valued Parameters: CDF, CADT, CASG, LUN

Mud Data

Drilling Fluid Type	Brine			DFT
Date Logger At Bottom	9-Feb-2008	Time Logger At Bottom	12:47	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 Cement / Corrosion Evaluation log (Isolation scanner) dated 26-Sep-2007 provided by Schlumberger.	R1
Objectives: Perforate using 5 X 2-7/8" HSD, 6m carriers over the interval 2053 to 2064m.	R2
Gun 1 & 2 will shoot 1.5m intervals using Powerjet 2906, HMX 6spf 60deg phase charges & Gun 3-5 will shot 2m intervals.	R3
The Gun will consist of 10 PURE Puncher HNS charges to create an underbalance for the 1.5 & 2m HMX intervals.i	R4
This well was perforated previous in the same zone 15-Dec-2007. Reperforating due to poor well injectivity performance.	R5
	R6
Secure Firing System used due to the presence of ground voltage previously found at this field.	R7
Gun #1: Top Shot @ 2062.5m, CCL to Top Shot : 4.125m, CCL Stop Depth: 2058.36m	R9
Gun # 2: Top Shot @ 2061m, CCL to Top Shot: 4.12m, CCL Stop Depth: 2056.88m	R10
Gun # 3: Top Shot @ 2057m, CCL to Top Shot: 3.97m, CCL Stop Depth: 2053.03m	R11
Gun # 4: Top Shot @ 2055m, CCL to Top Shot: 3.92m, CCLStop Depth:2051.08m	R12
Gun # 5: Top Shot @ 2053m, CCL to Top Shot: 3.92m, CCL Stop Depth:2049.08m	R13
A Fast Guage will be utilised on the HSD carrier for the Pure underbalance data to be recorded.	R15
Pressure control: Dual Packoff, Expected Well Temperature 0 Psi	R16
Crew: Jason Rayner, Andy Harding	R17

Channels File: PERFO\_067LUP Sequence: 10

Origin: 127

SHM\_GUN: GUN

Spacing: -1.0 in	Number of Channels: 1
SCCL	

PGGT-C: Powered Gun Gamma Ray – C

Spacing: -6.0 in	Number of Channels: 2
GR RGR	
Spacing: -1.0 in	Number of Channels: 2
CCL RCCL	

System and Miscellaneous

Spacing: -6.0 in	Number of Channels: 7
BS CS CVEL ETIM TDEP TENS TIME	
Spacing: -1.0 in	Number of Channels: 5
IDWD SCD SCDV TDEP;1 TIME;1	

Frame Summary

File: PERFO\_067LUP

Sequence: 10

Origin: 127

<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	2115.16	1985.31 m	-60.0 (0.1 in) up	9	TDEP	60B
	6939.50	6513.50 ft				
BOREHOLE-DEPTH	2115.16	1985.34 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	6939.50	6513.58 ft				



Verification Listing

Listing Completed: 14-FEB-2008 10:26:05