

WELL ABANDONMENT REPORT

LACERTA 3

Rev 0

16/01/2014

Written by: Terry Greaney & Lorne Lindstrom

Endorsed by: Terry Greaney, Superintendent P&A Operations

Submitted by: Terry Greaney

LACERTA 3 – ATP795P

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DOCUMENT INFORMATION SHEET

TITLE: LACERTA 3 WELL ABANDONMENT REPORT

PURPOSE AND SCOPE:

PROVIDE DETAILS OF ABANDONMENT per SECTION 38 of the PETROLEUM AND GAS (Production and Safety) REGULATION 2004.

DOCUMENT VERIFICATION

Responsible/Accountable:

Signature:  **Position:** Plug & Abandon Engineer

Name: Lorne Lindstrom **Date:** January 16, 2014

Signature:  **Position:** Superintendent – Plug & Abandon Operations

Name: Terry Greaney **Date:** January 16, 2014

Endorsed:

Signature:  **Position:** Superintendent – Plug & Abandon Operations

Name: Terry Greaney **Date:** January 16, 2014

Revision Record

Issue	Date	Reason for Issue	Responsible	Endorsed
0	16/01/2014	GENERAL ISSUE	TMG / LL	TMG

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1.0 WELL DATA CARD

Location Information		
Well Name:	Lacerta 3	
Alias Name (QGC)	Janus 6	
ATP / PL:	ATP 795P	
Location (GDA-94):	Latitude	26° 18' 53.5750" S
	Longitude	149° 01' 38.9328" E
Grid (Zone 55):	Easting	702 387.432 m
	Northing	7 087 856.366 m
Elevation:	GL	440.49 m (AHD)
	RT	All references in this report are to GL
Type Structure:	Coal Seam Gas	

Drilling Information			
Drilling Contractor:	Mitchell Drilling		
Rig No.:	Rig 120 (Bourne 1000THD)		
Date Rig Move Commenced:	15/06/2006		
Date Spud:	15/06/2006		
Date TD Reached:	29/06/2006		
Date Rig Released:	01/07/2006		
Total Depth (mGL):	Driller	577.15 m	
	Logger	576.80 m	
Drilling Information			
Hole Sizes (mGL):	From	To	Diameter
Conductor	0	66	7-7/8"
Surface	66	152	5 1/2"
Core Hole	152	577.15	3.78" (HQ)
Casing Sizes (mGL):	From	To	Diameter
Conductor	Surface	65	6 5/8"
Surface	Surface	150	4 1/2"
Cement Plugs Installed (mGL):	None		
Under-reaming (mGL)	No under-reaming was performed		
Perforations (mGL)	None		
Date Well Completion Report Submitted	18 th May, 2007		

Abandonment Information			
Contractor:	Baker Hughes Incorporated		
Unit No. & Type:	Capillary Coiled Tubing Unit		
Date Commenced Move	24/09/2012		
Date Commenced Well Operations:	24/09/2012		
Date Unit Released:	26/09/2012		
Date Wellhead Cut off:	13/12/2012		
Date Rehabilitated:	Assessed October 2013. No earthworks required		
Cement Plugs Installed (mGL):			
inside 4 ½" casing / 2-3/8" Tubing	From	To	Interval
	Surface	555	555m
Logs taken during P&A (mGL):			
	None		
Other Hardware / Fish (mGL)			
	From	To	Interval
4-1/2" Casing (cemented in place)	Surface	150	150m
2-3/8" Tubing (cemented in place)	Surface	555	555m
Casing Cuts (mGL)			
	Depth	Comment	
N/A		None	
Perforations added during P&A			
	From	To	Interval
N/A		None	

2.0 INTRODUCTION

2.1 Scope of Document

This report provides information on Well Abandonment per section 38 of the Queensland Petroleum and Gas (Production and Safety) Regulation 2004.

2.2 Well History

Lacerta 3, also known within QGC as Janus 6, is a coal seam gas well now operated by QGC. It is located in the Surat Basin within ATP 795P, approximately 38 kilometres north-east of the town of Roma. The well was originally drilled and operated by Sunshine Gas Limited, a company that was acquired in late 2008 by QGC.

Mitchell Drilling Rig 120 (Bourne 1000THD) moved in and spudded the well at 2130 hrs June 15, 2006. 7-7/8" hole was drilled to 66mGL and 6-5/8" casing was set at 65mGL and cemented to surface. 5 1/2" surface hole was then drilled to 152mGL and 4 1/2" casing was run to 150mGL and cemented to surface. The well was then cored (HQ) to a TD of 577.15m GL. Logs were run. Initial runs held up at 230 - 250m.

Mitchell Drilling Rig 120 was released at 0415 hrs on July 1, 2006.

Two DSTs were run between September 10-12, 2006.

From April 22 – 26, 2007 a 2-3/8" the well was cleaned out to 565.95m & a 2-3/8" completion was run and a Larkin wellhead installed. A gauge was also run on a cable inside the tubing.



The well was left suspended as a monitoring well.

Details of the drilling are in the Well Completion Report.

2.3 Abandonment Summary

The decision was made to abandon the Lacerta 3 well as part of QGC's campaign to plug and abandon non-compliant or unutilised wells in accordance with QGC-BG Group standards and good oilfield practice.

On September 24, 2012 the Baker Capillary Coiled Tubing unit was mobilised to Lacerta 3. A ball valve was installed and the gauge & cable recovered.

The 4" Sibra BOP was installed. On September 25 lines were set up for dual fluid returns (up both the CT-Tubing & the Tubing-Casing). Surface lines were tested to 4000 psi. The BOP was tested to 550 psi and the 0.75" Stainless Steel coil was RIH and tagged PBTD at 555m. The CT was pulled out of hole due to a surface cementing issue. Next day September 26 the P&A was performed. The 0.75 "SS coil was RIH again & tagged at 555m. 24 bbl of 12.0 ppg cement slurry was pumped while the CTU was slowly retracted from the well maintaining 200m submergence.

Got 11.8 ppg returns from the Tubing-Casing annulus after 19.5 bbls. 11.8 ppg returns from CT- tubing after 20 bbls. Close BOP / tubing return valve. Continued pumping until annulus was 12.0 ppg (after 23.5 bbl) then open BOP / tubing valve & continued pumping - returns were 12.0ppg from both annulus & tubing

Once 12.0 ppg cement reached surface the cement was displaced from the coil as it was pulled out of hole to surface. The unit was cleaned up, rigged down and released that day (September 26, 2012).

On December 13, 2012 the casing was cut 1.6m below surface and the wellhead removed. The tubing / annulus was topped up and signage installed.

In October 2013 the site was assessed and considered rehabilitated. No earthworks were required. The site had been partially rehabilitated previously.

Detailed reports on the Abandonment are available in the body and the Appendix of the document.

2.4 Acronyms and Abbreviations

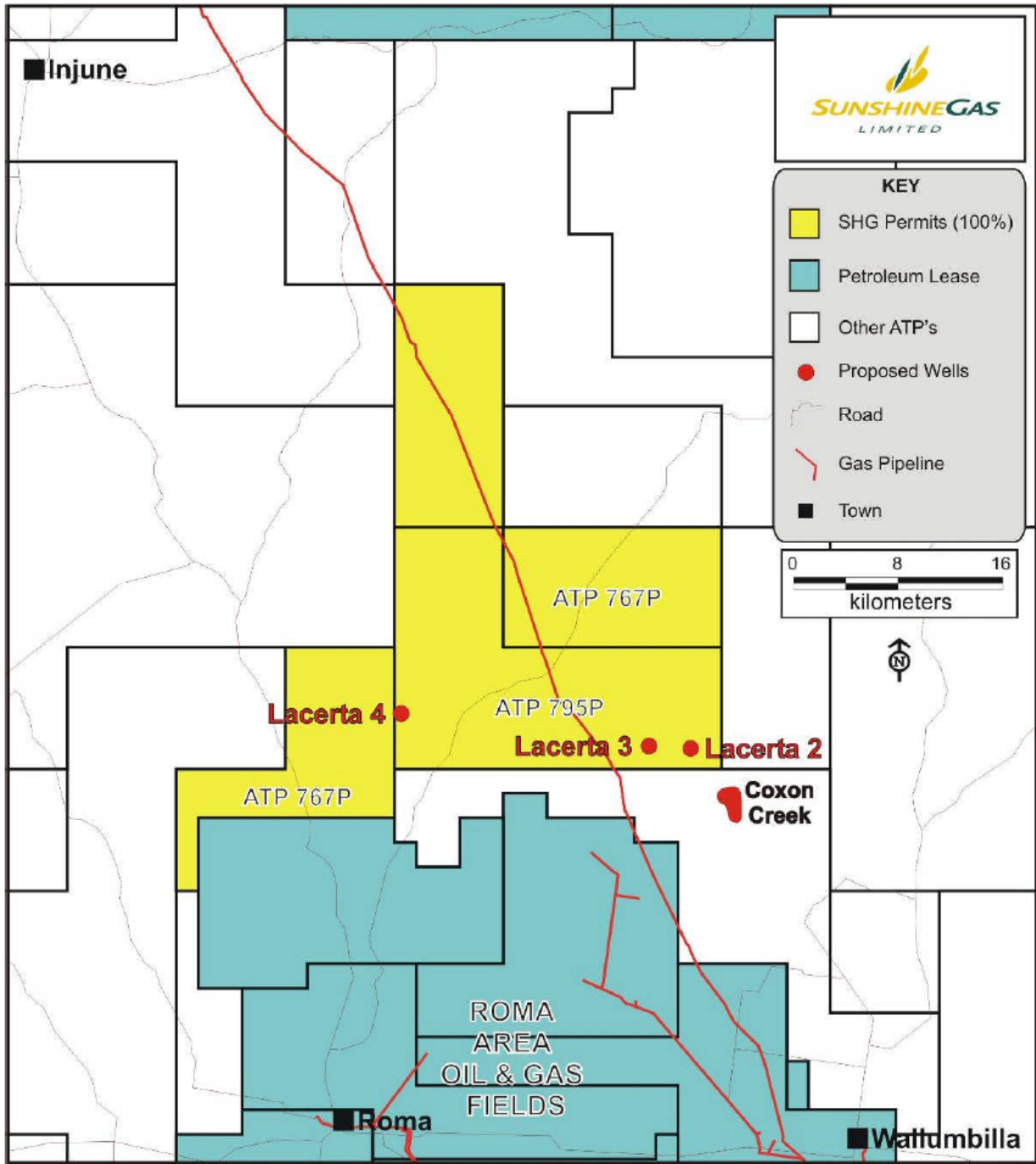
In this document, the following acronyms and abbreviations apply:

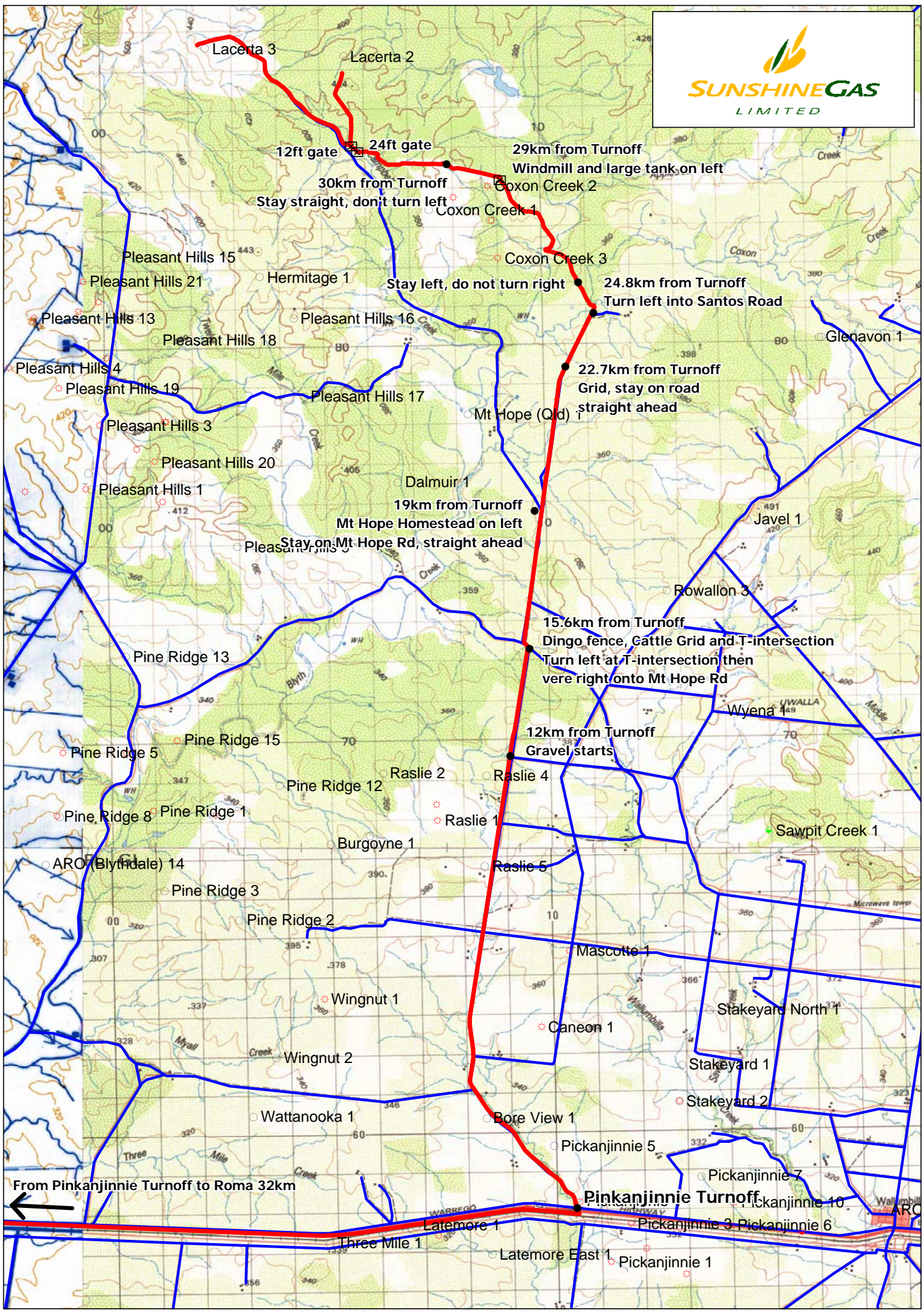
Acronym/Abbreviation	Meaning
aMSL	above Mean Sea Level
AHD	Australian Height Datum
ATP	Authority to Prospect
bbf	barrel
BHA	Bottom Hole Assembly
BOP	Blow Out Preventer
bpm	barrels per minute
CBL	Cement Bond Log
CHP	Casing Head Pressure
CSG	Coal Seam Gas
CTU	Coiled Tubing Unit
DST	Drillstem Test
GL	Ground Level
HUD	Hold Up Depth
IC	Intermediate Casing
KB	Kelly Bushing
LEL	Lower Explosive Limit
N/D	Nipple Down
N/U	Nipple Up
OH	Open Hole
PBTD	Plugged Back Total Depth
PC	Production Casing
PCAP	Production Casing Annulus Pressure
PL	Petroleum Lease
POH / POOH	Pull Out of Hole
ppg	pounds per US gallon
ppf	pounds per foot
psi	pounds per square inch
RDMO	Rig Down Move Out
RIH	Run In Hole
RL	Reduced Level

Acronym/Abbreviation	Meaning
RT	Rotary Table
SC	Surface Casing
spf	shots per foot
TD	Total Depth
THP	Tubing Head Pressure
TOC	Top of Cement
TOF	Top of Fish
WHP	Wellhead Pressure
WOC	Wait on Cement

3.0 LOCATION MAP

3.1 REGIONAL MAP





Lacerta No 2 & 3 Well Sites - Mud Map

3.2 LOCATION SURVEY

Scale 1:100000 - Lengths are in Metres.



DISTANCES ARE GRID.

Co-ordinates and Levels obtained by Static GPS traverse from OPM71138

Bench Marks are deep driven Iron Star Pickets with Witness posts

DERIVED M.G.A. CO-ORDINATES (GDA-94)

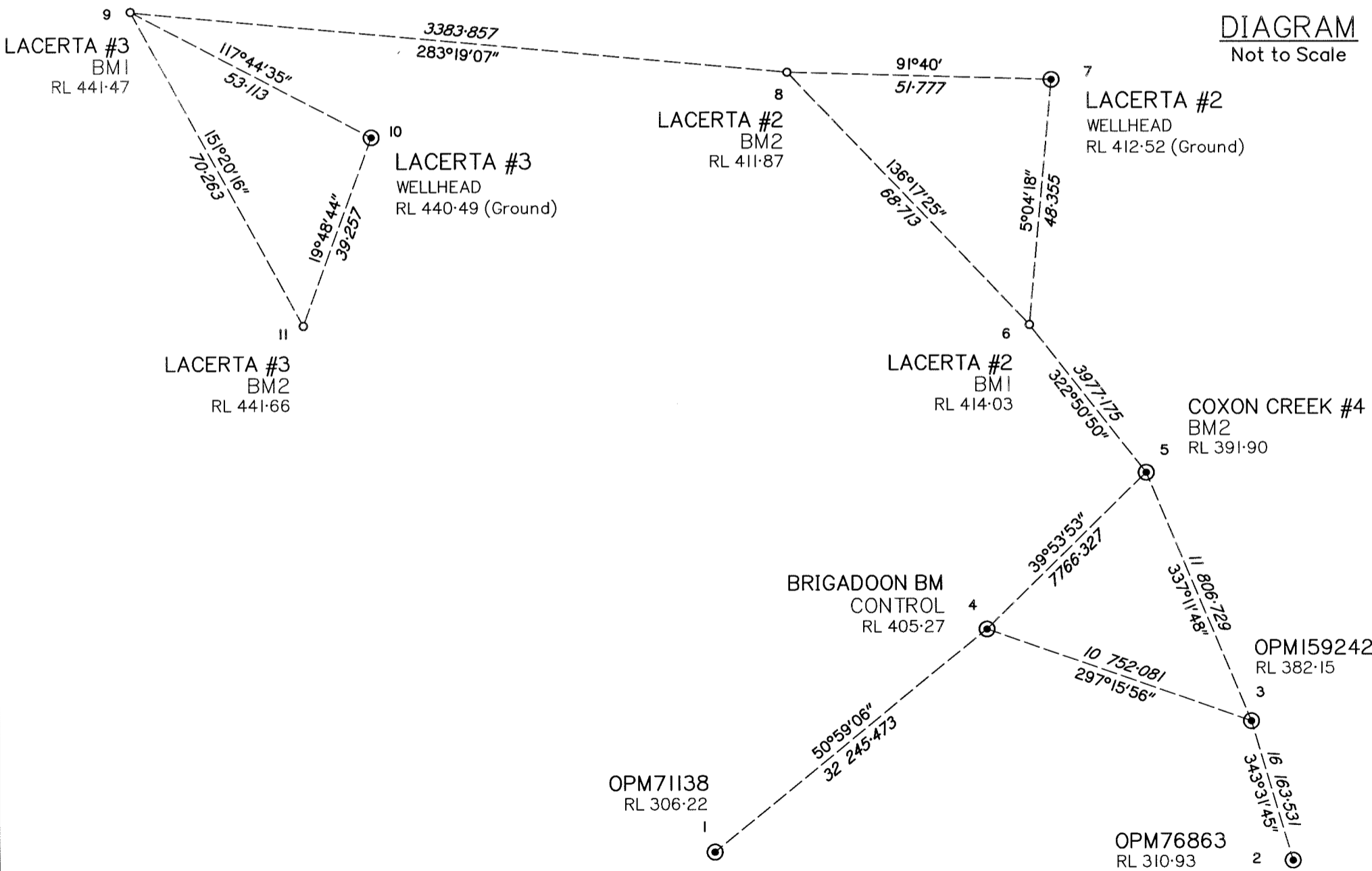
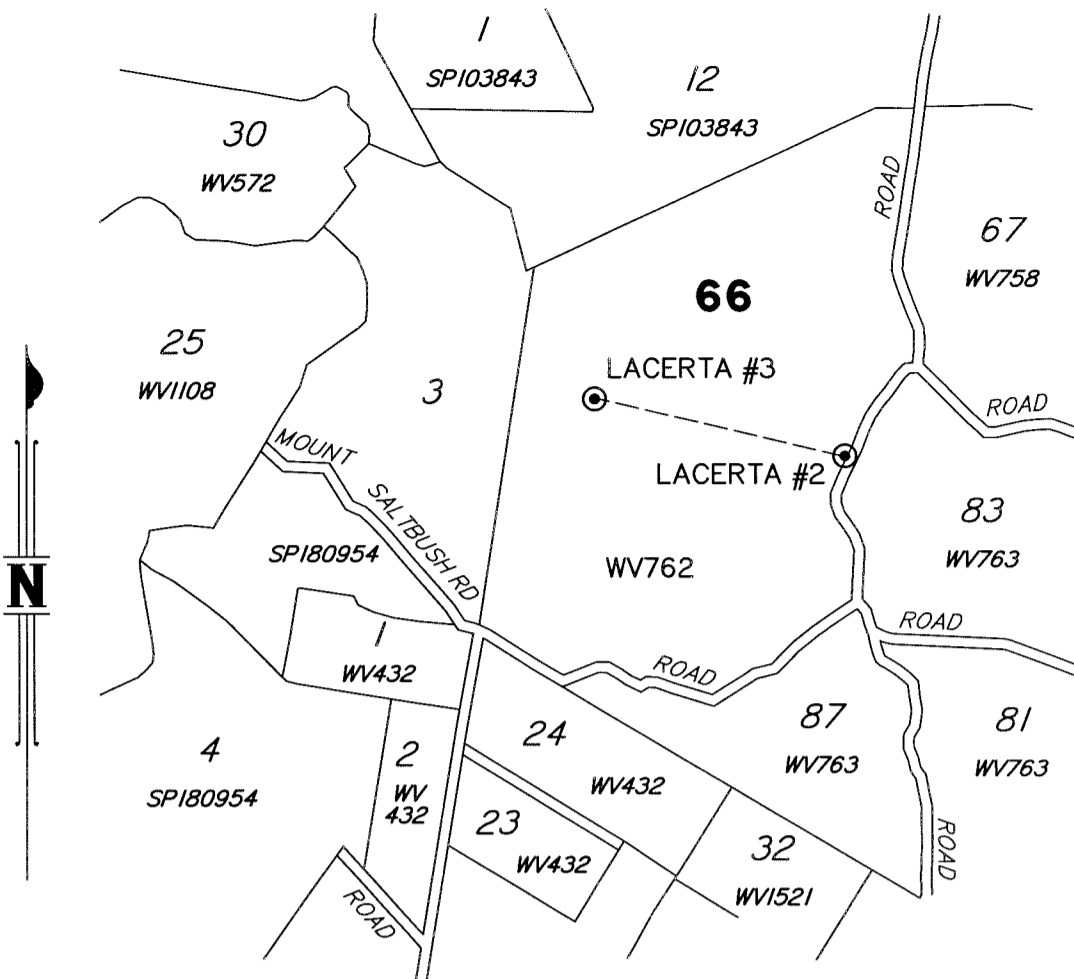
STN	DESCRIPTION	EASTING	NORTHING	ZONE
1	OPM71138	678 047.117	7 057 624.421	55
2	OPM76863	717 241.476	7 057 497.801	55
3	OPM159242	712 658.656	7 072 998.043	55
4	BRIGADOON BM CONTROL	703 101.215	7 077 923.748	55
5	COXON CREEK #4 BM2	708 082.730	7 083 881.965	55
6	LACERTA #2 BM1	705 680.750	7 087 051.888	55
7	LACERTA #2	705 685.024	7 087 100.052	55
8	LACERTA #2 BM2	705 633.269	7 087 101.557	55
9	LACERTA #3 BM1	702 340.425	7 087 881.089	55
10	LACERTA #3	702 387.432	7 087 856.366	55
11	LACERTA #3 BM2	702 374.127	7 087 819.436	55

GEOGRAPHIC CO-ORDINATES (GDA-94)

STN	DESCRIPTION	LATITUDE	LONGITUDE
1	OPM71138	S 26°35'27".4625	E 148°47'16".6405
2	OPM76863	S 26°35'11".8277	E 149°0'52".8964
3	OPM159242	S 26°26'50".8518	E 149°07'58".0177
4	BRIGADOON BM CONTROL	S 26°24'15".8744	E 149°02'10".3136
5	COXON CREEK #4 BM2	S 26°20'59".7367	E 149°05'06".5352
6	LACERTA #2 BM1	S 26°19'18".0159	E 149°03'38".1051
7	LACERTA #2	S 26°19'16".4490	E 149°03'38".2315
8	LACERTA #2 BM2	S 26°19'16".4270	E 149°03'36".3650
9	LACERTA #3 BM1	S 26°18'52".7959	E 149°01'37".2244
10	LACERTA #3	S 26°18'53".5750	E 149°01'38".9328
11	LACERTA #3 BM2	S 26°18'54".7815	E 149°01'38".4741

GEOGRAPHIC CO-ORDINATES (AGD-84)

STN	DESCRIPTION	LATITUDE	LONGITUDE
7	LACERTA #2	S 26°19'22".1014	E 149°03'34".2032
10	LACERTA #3	S 26°18'59".2264	E 149°01'34".9033



I, Michael Bessen hereby certify that I have/the Company has surveyed the location of the petroleum well as shown on this plan, that the survey was performed in accordance with the Petroleum and Gas (Production and Safety) Act 2004 and associated Regulations and Standards and achieves the accuracies of the Standards and the survey was completed on 23/08/2006.

Signature of Surveyor: *M Bessen* Date: 20/9/2006

LOCALITY <i>Mooga</i>	MINING RESOURCES PLAN OF <i>Lacerta #2 & Lacerta #3</i>		
Approx. LAT. S 26°20'00" LONG. E 149°02'40"	PARISH <i>DILGINBILLY</i>		
FIELD NOTES LODGED <i>/ /</i>	COUNTY <i>WALDEGRAVE</i>		
DRAWN BY <i>TJL</i> 7388	MINING DISTRICT <i>Brisbane</i>		
MERIDIAN <i>MGA</i>	SCALE <i>1:100000</i>	MP	

4.0 GEOLOGICAL INFORMATION

Age	Formation	Top Depth (mGL)	Elevation (mAHD)
Late Jurassic	Gubberamunda Sandstone	Surface	+ 440.5
Late Jurassic	Injune Creek Group	175	+265.5
Middle Jurassic	Walloon Coal Measures	231	+209.5
Total Depth		577.15 (L)	-136.65

Refer Well Completion Report for further information.

5.0 WELL HISTORY

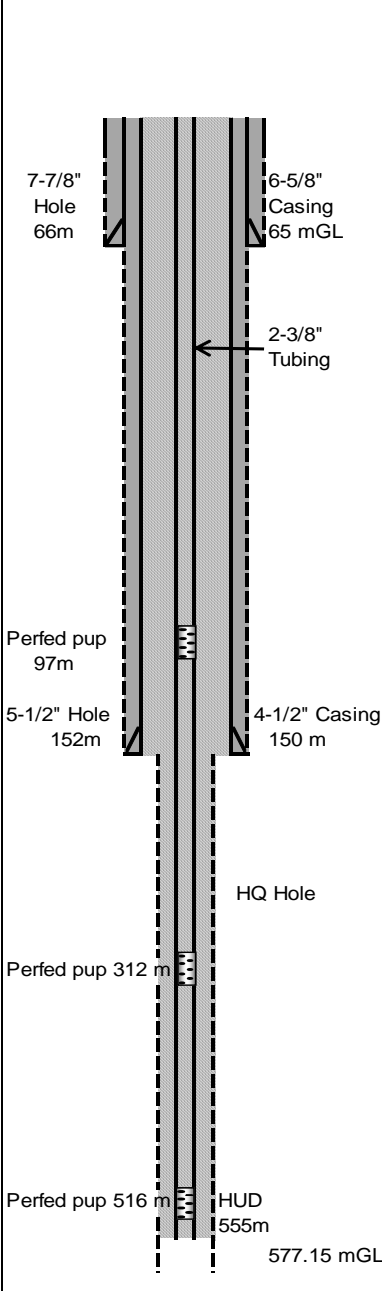
Date	Activity	Summary Points
15/06/06	Drill / Core	<ul style="list-style-type: none"> • Moved Mitchell Drilling Rig 120 (Bourne 1000 THD) to Lacerta 3. • Spud well 2130 hrs June 15. Drilled 7-7/8" hole to ~66mGL • Ran 6-5/8" casing to 65mGL & cemented to surface with 56 x 20 kg sx cement. WOC. • Installed flange. • Drilled 5 1/2" hole to 152mGL • Ran 4 1/2" casing to 150mGL & cemented to surface with 61 x 20 kg sx cement. WOC • Nippled up & tested BOP. Installed blooie line. • RIH with core barrel. Cored cement & shoe. • Cored HQ hole to 577.15m (TD) • Attempted to log. Hole had bridged at 230m / 250m • RIH & clean out hole. • Complete logging. • RIH & circulate well to fresh water. • Rig down. Strip off BOP. • Mitchell Drilling Rig 120 was released at 0415 hrs, July 1, 2006.
10/09/06	Testing	<ul style="list-style-type: none"> • Ran two DSTs with Stratatek • Released test crew on September 12, 2006
22/4/07	Completion	<ul style="list-style-type: none"> • Attempt to install wellhead (wrong thread) • Mobilised Wild Desert slimhole crane package on April 23. • Rigged in crane & air packs • Prepared 2-3/8" tubing. • Installed wellhead • N/U BOP & installed blooie line • RIH. Encountered tight hole at 300m • Mobilised mud pump. • RIH with saw tooth collar on workstring. • Clean out well. Became stuck at 474m. Worked free. • Circulated & cleaned out to 565.96m. • POOH (hole in good condition).

Date	Activity	Summary Points
	Completion (continued)	<ul style="list-style-type: none"> • Ran 2-3/8" tubing with several perforated pup joints. • Landed in Larkin wellhead. • Ran gauge on cable inside 2-3/8" tubing • Set up surface monitoring equipment. • Released Wild Desert slimhole package on April 26, 2007
24/09/2012	Abandonment	<ul style="list-style-type: none"> • Moved the Baker Capillary CTU to Lacerta 3. • Checked well (THP 0 psi; CHP 0 psi) • Bled off well & topped up with 6.5 bbl. Monitored – well remained dead. • Removed top plug on wellhead and cut sensor cable. Installed valve over cable. Recovered cable & sensor from well. • Completed rig up • Installed 4" Sibra BOP, working window & injector head. Rigged up for dual fluid return path. • Tested surface lines to 4000 psi • Pressure test BOP to 550 psi • RIH 0.75" SS coil • Tagged PBSD at 555m. POOH due to problem batching cement. • Rig up again and repeat pressure tests • RIH 0.75" SS coil & tag at 555m • Pumped 24 bbl of 12.0 ppg cement slurry in batches maintaining 200m submergence. Got 11.8 ppg returns from the Tubing-Casing annulus after 19.5 bbls. 11.8 ppg returns from CT- tubing after 20 bbls. Close BOP / tubing return valve. Continued pumping until annulus was 12.0 ppg (after 23.5 bbl) then open BOP / tubing valve & continued pumping - returns were 12.0ppg from both annulus & tubing. • Once cement reached surface confirmed 12.0ppg returns & displaced the cement from the coil as it was pulled out of hole to surface. • Flushed coil & cleaned up unit, rigged down CTU • Released CTU September 27, 2012
13/12/2012	Cut wellhead / casing off	<ul style="list-style-type: none"> • The casing was cut 1.6m below surface and the wellhead removed. The tubing / annulus was topped up as required and signage installed.
October 2013	Rehabilitation	<ul style="list-style-type: none"> • The site was assessed & considered rehabilitated. No earthworks were necessary <p>NB: The site had been partially rehabilitated previously.</p>

This well has not been fracture stimulated.

6.0 ABANDONMENT

6.1 FINAL DOWNHOLE STATUS

Well Lacerta #3 (Janus 6)	Pre-Existing	P&A Cement Plug Calcs
 <p>7-7/8" Hole 66m 6-5/8" Casing 65 mGL 2-3/8" Tubing Perfed pup 97m 5-1/2" Hole 152m 4-1/2" Casing 150 m HQ Hole Perfed pup 312 m Perfed pup 516 m HUD 555m 577.15 mGL</p>	<p>Surface Casing Cementation</p> <p>Conductor ID 12.800 in Conductor Depth 0.0 m Open Hole Size 7.825 in Casing OD: 6.625 in Casing ID: 6.049 in Weight: PVC lb/ft Casing Type Shoe depth: 65 m Pumped volume N/R bbl Calculated volume 6.8 bbl Shoe Track (length) 12.0 m OH - Casing (excess) 50 % Shoe Track (volume) 1.4 bbl OH - Casing (with exc) 5.4 bbl Conductor - Casing 0.0 bbl</p> <p>Note: Reported as cemented to surface</p> <p>Production Casing Cementation</p> <p>Open Hole Size: 5.500 in Casing OD: 4.500 in Casing ID: 4.052 in Weight: lb/ft Casing Type: Shoe depth: 150 m Pumped volume N/R bbl Calculated volume 7.5 bbl Shoe Track (length) 12.0 m OH - Casing (excess) 30.0 % Shoe Track (volume) 0.6 bbl OH - Casing (with exc) 3.5 bbl Surf casing - Prod Cas 3.4 bbl</p> <p>Note: Reported as cemented to surface</p> <p>Open Hole ID 3.78 in</p> <p>Tubing Size / OD 2.375 in Tubing ID 1.995 in</p>	<p>Cement Details.</p> <p>1. Open Hole Section</p> <p>Top 555 m Bottom 555 m Volume 0.0 bbl Volume (with xs) 0.0 bbl Excess Vol = 25.00 %</p> <p>2. Inside Tubing</p> <p>Top 0 m Bottom 555 m Volume 7.0 bbl</p> <p>3. In Open hole x Tubing Annulus</p> <p>Top 150 m Bottom 555 m Volume 11.2 bbl Volume (with xs) 14.0 bbl Excess Vol = 25.00 %</p> <p>4. In Casing x Tubing Annulus</p> <p>Top 0 m Bottom 150 m Volume 5.2 bbl</p> <p>Coiled Tubing Volume</p> <p>Length 1000 m ID 0.625 in Volume 1.2 BBL</p> <p>Total Volume Required 27.4 bbl</p> <p>Existing Cement P&A Cement</p>

6.3 CEMENT PLUG DETAILS

Cement Plug	Details	Comments
#1	Class A Fly Ash Blend Cement (see below for details) 555mGL – Surface	<ul style="list-style-type: none"> • Set up for dual path returns • RIH 0.75" SS coil • Tagged PBTD at 555m • POOH due to surface cementing problem • RIH 0.75" SS coil • Tagged PBTD at 555m • Pumped 24 bbl of 12.0 ppg cement slurry in batches maintaining 200m submergence. Got 11.8 ppg returns from the Tubing-Casing annulus after 19.5 bbls. 11.8 ppg returns from CT- tubing after 20 bbls. Close BOP / tubing return valve. Continued pumping until annulus was 12.0 ppg (after 23.5 bbl) then open BOP / tubing valve & continued pumping - returns were 12.0ppg from both annulus & tubing. • Once 12.0 ppg cement reached surface displaced the cement from the coil as it was pulled out of hole to surface

12.0 ppg for Capillary or CT applications

BJ SERVICES COMPANY (AUSTRALIA) PTY LTD

LABORATORY REPORT-REV 2.0

BJ SERVICES

Company : QGC Date : 27 May 2011
 Well Name : RefNo : 1068
 Job Type : Capillary Cement Test Ref : TAP Water

WELL DATA

Depth (BRT) : ~600 m Csg. Size: 3/4" Mud Wt : 8.34 ppg
 BHST : 42 deg. C Hole Size : 4 3/4" Mud Type : WATER
 BHCT : 42 deg. C BHSqz : deg. C Temp. Gradient :

SPACER DATA (Assuming Normal Pressures)

Type: Drill Water Volume: Pump 50 bbl water ahead Density: 8.34 ppg Rate : ~1 BPM

12.0 ppg –Fly Ash Blend + 1.0 gptb (0.0316 gps) FP-9L+ 22.50 gptb (0.7122 gps) FL-66L+ 1.50 gptb (0.0474 gps) R-21LS
 + 16.00 gptb (0.5065gps) A-300L+ Drill Water

SLURRY PROPERTIES

Slurry Weight : ppg	12.0
Slurry Yield : cu.ft/sx	2.30
Mixing Water : gal/sx	12.00
Total Fluid : gal/sx	13.29
Mixwater Type :	DRILL WATER
Thickening Time: hr:min	
@ 30 Bc	5:00
@ 100 Bc	5:45
Free Water : ml @ 42 deg.C	TRACE
Fluid Loss : cc/30 min @ 42 deg.C	112 cc
Compressive Strengths, psi : at Temperature	42 °C
24 hrs	200 psi
36 hrs	435 psi
Rheologies @ Temperature	42 °C
300	34
200	26
100	16
6	2
3	1
600	55
Pv	27
Yp	7
Gel-10"	1
Gel-10'	2

HEAT UP TIME : - min FINAL TESTED PRESSURE : 1140 psi TESTED BY : RAM
 COMMENTS : FP-9L = FOAM PREVENTER, A-300L = EXTENDER, FL-66L = FLUID LOSS ADDITIVE
 R-21LS = RETARDER

6.4 FISH / OTHER HARDWARE DETAILS

Fish / Hardware	Details	Comments
#1 4 ½” Casing (in 5 ½” hole)	Plain Casing 4 ½” (details not known)	Surface – 150m
#2 2-3/8” Tubing (in 4 ½” Casing / 5 ½” Hole)	2-3/8” 4.7 ppf J55 EUE Tubing	Surface – 555m

Appendix A – LOGS DURING ABANDONMENT (WHEN RUN)

No logs run during P&A

APPENDIX B – RIG REPORTS ABANDONMENT



DAILY WORKOVER REPORT

Lacerta_3

TRC:

Report Start Date: 24/09/2012

Report #: 1

Days From Spud: 2293.35

Well PID JAN_WH006		Tenure ATP 795P		Field Name Lacerta		State/Province Queensland	
Job Sub Category Abandonment		Well Configuration Type Vertical		Latitude (°) 26° 18' 53.57" S		Longitude (°) 149° 1' 38.9" E	
Original KB/RT Elevation (m) 441.70		KB-Ground Distance (m) 1.20		KB-Casing Flange Distance (m)		KB-Tubing Head Distance (m)	
Objective P&A Well							
Rig (Names) BJ Services Capillary Unit (0.75)		Rig Time (hr) 12.00		Daily Field Est Total (Cost)		Cum Field Est To Date (Cost)	
Last 24hr Op's Summary Move equipment from Lacerta #13 to Lacerta #3. Take pressure reading at tubing and annulus. Both 0 psi no gas present. Clear area and bleed to zero. Top up well with fresh water (6.5 bbl) Wellhead pressure 0 psi. Close in well for 4 hrs. Take pressure reading at tubing and annulus, still 0 psi. Contacted P&A Supt. for approval to fit valve. Given Ok. Monitored for a further 30 mins. Still 0 psi. Removed top plug containing sensor cable. Cut cable and thread through valve assembly. Fit vertical valve assembly and pull cable and sensor to surface. Close in and secure well.							
Summary 00:00 - 06:00 12 Hr Ops SDFN							
Planned Op's Rig up CT and perform P&A as per program.							
Weather Fine / Overcast in afternoon		Temperature (°C) 25.0		Tubing Pressure (psi) 0.0		Casing Pressure (psi) 0.0	
				Salinity (ppt)		Water Rate (bbl/day)	
Daily Contacts							
Job Contact		Title			Mobile		
Denis Anderson, OCR		OCR			0419 286998		
Kelly Wilson, WSS		WSS			0417 829 683		
Cameron Dow, CT Field Supervisor		CT Field Supervisor			0488 945 865		
Jason Heron, CTU Supervisor		CTU Supervisor			0400 281862		
HOURLY OPERATIONS SUMMARY 00:00 TO 24:00							
Start Time	End Time	Dur (hr)	Op	Phase	Desc	Act Desc	
06:00	07:00	1.00				BH Drive from Roma	
07:00	07:15	0.25	SM		Safety Meeting	PJSM moving equipment and safe driving practices	
07:15	09:00	1.75				Move equipment from Lacerta #13 to Lacerta #3 and spot at location.	
09:00	10:00	1.00	RU		Rig Up	Partial rig up to be able to fill well with fluid.	
10:00	10:30	0.50				Test tubing and annulus press. Both at 0 psi. Top well with 6.5 bbl of fresh water. Start monitoring well.	
10:30	15:00	4.50				Well still at 0 psi. Monitor further 30 mins. Still 0 psi. Remove top plug and cut sensor cable. Thread cable through valve assy. and fit valve to WH.	
15:00	16:00	1.00				Remove cable and sensor and shut in and secure well.	
16:00	18:00	2.00				BH drive to Roma SDFN	
HSE Checks							
Time	Des		Type			Com	
07:00			Post/Pre Shift Meeting			PJSM moving equipment and safe driving practices	
Drill String/Work String							
BHA #<stringno>, <des>							
BHA #			Drill String Name			Drill Bit	
String Components							
Drilling Parameters							
Start (mKB)	End Depth (mKB)	Drill Time (hr)	Q Flow (gpm)	ROP Inst (m/hr)	RPM (rpm)	WOB (1000lbf)	
Completion String							
Comp Descrip	Run Date	Pull Date	Set Depth (mKB)	Set Depth (TVD) (mKB)	Len (m)	String Max Nominal OD (in)	ID (in)
Other In Hole							
Des	Run Date	OD (in)	Top (mKB)	Btm (mKB)			
Stimulations & Treatments							
<typ> on <dtm>							
Date	Zone	Type	Stim/Treat Company				
Stg #	Stage Type	Top (mKB)	Btm (mKB)	Vol Clean Pump (gal)			
Cement							
Des	Start Date	Cement Comp					



DAILY WORKOVER REPORT

Lacerta_3

TRC:

Report Start Date: 25/09/2012

Report #: 2

Days From Spud: 2294.35

Well PID JAN_WH006	Tenure ATP 795P	Field Name Lacerta	State/Province Queensland
Job Sub Category Abandonment	Well Configuration Type Vertical	Latitude (°) 26° 18' 53.57" S	Longitude (°) 149° 1' 38.9" E
Original KB/RT Elevation (m) 441.70	KB-Ground Distance (m) 1.20	KB-Casing Flange Distance (m)	KB-Tubing Head Distance (m)

Objective
P&A Well

Rig (Names) BJ Services Capillary Unit (0.75)	Rig Time (hr) 12.00	Daily Field Est Total (Cost)	Cum Field Est To Date (Cost)
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Last 24hr Op's Summary
Complete rig up and PT Lines and BOP. RIH CT and tag PBTD at 555m. Prepare to batch up cement. Problem with slurry pump. BH take cement unit back to BH workshop in Roma

Summary 00:00 - 06:00
12 Hr Ops SDFN

Planned Op's
BH to repair problem. Will be monitoring Lacerta # 2, 9, 10, 11 and 12 for permission to do valve re orientation for future work

Weather Fine	Temperature (°C) 26.0	Tubing Pressure (psi) 0.0	Casing Pressure (psi) 0.0	Salinity (ppt)	Water Rate (bbl/day)
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Daily Contacts

Job Contact	Title	Mobile
Denis Anderson, OCR	OCR	0419 286998
Kelly Wilson, WSS	WSS	0417 829 683
Cameron Dow, CT Field Supervisor	CT Field Supervisor	0488 945 865
Jason Heron, CTU Supervisor	CTU Supervisor	0400 281862

HOURLY OPERATIONS SUMMARY 00:00 TO 24:00

Start Time	End Time	Dur (hr)	Op	Phase	Desc	Act Desc
06:00	07:00	1.00				BH drive from Roma
07:00	07:15	0.25	SM		Safety Meeting	PJSM CT Rig up
07:15	09:45	2.50	RU		Rig Up	Rig up CT and Pressure test lines to 4000 psi and BOP to 550 psi. Good tests.
09:45	10:00	0.25	TBT		Tool Box Talk	TBT Cement Ops
10:00	11:45	1.75	TI		Trip-in	RIH CT tagged high at 555 m. BH supv thinks maybe counter problem. Pull back to surface and check counter. RIH and tag at CT PBTD of 555 m
11:45	12:45	1.00	CMC		Cementing	Prepare to batch up cement at 12 ppg. Problem with slurry pump / venturi. BH unable to batch up accurately. decision to take back to base for repair.
12:45	14:15	1.50	RD		Rig Down	Semi rig down
14:15	15:15	1.00				BH take cement unit to Roma.
15:15	18:00	2.75				End of Report

HSE Checks

Time	Des	Type	Com
07:00		Post/Pre Shift Meeting	PJSM CT Ops
09:45		Toolbox Talk	TBT Cement Ops

Drill String/Work String

BHA #<stringno>, <des>

BHA #	Drill String Name	Drill Bit
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String Components

Drilling Parameters

Start (mKB)	End Depth (mKB)	Drill Time (hr)	Q Flow (gpm)	ROP Inst (m/hr)	RPM (rpm)	WOB (1000lbf)

Completion String

Comp Descrip	Run Date	Pull Date	Set Depth (mKB)	Set Depth (TVD) (mKB)	Len (m)	String Max Nominal OD (in)	ID (in)	Wellbore

Other In Hole

Des	Run Date	OD (in)	Top (mKB)	Btm (mKB)

Stimulations & Treatments

<typ> on <dtm>

Date	Zone	Type	Stim/Treat Company
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Stg #	Stage Type	Top (mKB)	Btm (mKB)	Vol Clean Pump (gal)

Cement

Des	Start Date	Cement Comp



DAILY WORKOVER REPORT

Lacerta_3

TRC:
Report Start Date: 27/09/2012

Report #: 3
Days From Spud: 2295.35

Well PID JAN_WH006	Tenure ATP 795P	Field Name Lacerta	State/Province Queensland
Job Sub Category Abandonment	Well Configuration Type Vertical	Latitude (°) 26° 18' 53.57" S	Longitude (°) 149° 1' 38.9" E
Original KB/RT Elevation (m) 441.70	KB-Ground Distance (m) 1.20	KB-Casing Flange Distance (m)	KB-Tubing Head Distance (m)

Objective
P&A Well

Rig (Names) BJ Services Capillary Unit (0.75)	Rig Time (hr) 12.00	Daily Field Est Total (Cost)	Cum Field Est To Date (Cost)
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Last 24hr Op's Summary
Complete rig up of equipment. PT Lines to 4000 psi and BOP to 550psi. RIH to 555m tag, pick up and RIH to re tag to confirm PBTD. Perform P&A as per program with 12 ppg cement to surface. Pumped total 24 bbl through tubing taking returns from tubing and annulus to displace to surface at 12ppg. Rig down and clean equipment.

Summary 00:00 - 06:00
12 Hr Ops SDFN

Planned Op's
Move to Lacerta #10 to perform P&A

Weather Overcast	Temperature (°C) 18.0	Tubing Pressure (psi) 0.0	Casing Pressure (psi) 0.0	Salinity (ppt)	Water Rate (bbl/day)
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Daily Contacts

Job Contact	Title	Mobile
Denis Anderson, OCR	OCR	0419 286998
Kelly Wilson, WSS	WSS	0417 829 683
Cameron Dow, CT Field Supervisor	CT Field Supervisor	0488 945 865
Jason Heron, CTU Supervisor	CTU Supervisor	0400 281862

HOURLY OPERATIONS SUMMARY 00:00 TO 24:00

Start Time	End Time	Dur (hr)	Op	Phase	Desc	Act Desc
06:00	07:00	1.00				BH Drive from Roma, also bring cement truck
07:00	07:15	0.25	SM		Safety Meeting	PJSM PT and Rig up
07:15	08:15	1.00	RU		Rig Up	Rig up cement unit
08:15	09:00	0.75	PT		Pressure Test	Pressure test lines to 4000 psi and BOP to 550 psi. Good tests
09:00	09:45	0.75	TI		Trip-in	RIH CT and Tag at 555 m. Pick up and RIH to re tag
09:45	10:00	0.25	TBT		Tool Box Talk	TBT Cement Ops
10:00	10:30	0.50	CMC		Cementing	Batch up 8 bbls 12ppg cement. Take sample. Pump to fill CT with 1.2 bbl.
10:30	10:50	0.34	CMC		Cementing	Continue Pumping
10:50	11:10	0.34	CMC		Cementing	Batch Up 8 bbls 12 ppg cement. Take sample and test weight.
11:10	11:30	0.33	CMC		Cementing	Continue Pumping
11:30	11:50	0.33	CMC		Cementing	Batch Up 8 bbls 12 ppg cement. Take sample and test weight.
11:50	12:00	0.17	CMC		Cementing	Continue Pumping
12:00	12:15	0.25	CMC		Cementing	19.5 bbl pumped cement to surface at annulus. 11.8ppg.
12:15	12:30	0.25	CMC		Cementing	20 bbl Pumped cement to surface at tubing 11.8 ppg. Close in BOP
12:30	12:51	0.34	CMC		Cementing	23.5 bbl pumped 12 ppg at surface. Open BOP and POOH displacing CT to cement with returns at both annulus and tubing. Close in well and secure.
12:51	15:40	2.83	RD		Rig Down	Rig down equipment and clean.
15:40	17:00	1.33				Move equipment to next location Lacerta #10
17:00	18:00	1.00				BH drive to Roma

HSE Checks

Time	Des	Type	Com

Drill String\Work String

BHA #<stringno>, <des>

BHA #	Drill String Name	Drill Bit
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String Components

Drilling Parameters

Start (mKB)	End Depth (mKB)	Drill Time (hr)	Q Flow (gpm)	ROP Inst (m/hr)	RPM (rpm)	WOB (1000lbf)

Completion String

Comp Descrip	Run Date	Pull Date	Set Depth (mKB)	Set Depth (TVD) (mKB)	Len (m)	String Max Nominal OD (in)	ID (in)	Wellbore

Other In Hole

Des	Run Date	OD (in)	Top (mKB)	Btm (mKB)

APPENDIX C – CEMENTING REPORTS ABANDONMENT

Volume Pumped Bbl	Required CT Depth ft	Calc TOC ft	Calculated Submergence ft	Actual CT Depth ft	Load LB	Pressure psi	Rate bbl/min	Cement Returns PPG	Comments
0	0	0	N/a						Fill coil with cement
1.2	1821	1821	0	1821	800	3000	0.40		Cement at end of coil
0.0	1821	1821	0	1821	800	3000	0.40		Zero Counter, Pump cement into annulus
1.0	1821	1761	60	1821	800	3000	0.40		
2.0	1821	1701	120	1821	800	3000	0.35		
3.0	1821	1641	180	1821	800	3000	0.35		
4.0	1821	1581	240	1821	800	3050	0.35		
5.0	1821	1521	300	1821	800	3050	0.35		
6.0	1821	1461	360	1821	800	3500	0.35		
7.0	1821	1401	420	1821	800	3500	0.35		
8.0	1821	1341	480	1821	800	2600	0.35		
9.0	1821	1281	540	1821	800	2700	0.35		
10.0	1821	1221	600	1821	800	2700	0.35		Start POOH with CT
11.0	1817	1161	656	1766	700	2700	0.35		Cement at surface (Annulus) Cement at surface (Tubing)
12.0	1757	1101	656	1706	700	2700	0.35		
13.0	1697	1041	656	1646	500	2700	0.35		
14.0	1637	981	656	1586	500	2700	0.35		
15.0	1577	921	656	1526	500	2900	0.35		
16.0	1517	861	656	1466	500	3100	0.35		
17.0	1457	801	656	1406	500	3100	0.34		
18.0	1397	741	656	1346	600	3100	0.33		
19.0	1337	681	656	1286	400	3100	0.33		
20.0	1277	621	656	1226	500	2700	0.33	11.8	
21.0	1217	561	656	1166	400	2700	0.33	11.8	
22.0	1157	501	656	850	350	1600	0.20	11.9	
23.0	1097	441	656	656	200	1600	0.20	12.0	
24.0	1030	374	656	0	0			12.0	



Coil / Cement OPERATIONS – DAILY REPORT

Base/Location: Roma	Date: 24 /9/ 12	Page 1 of 1
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Job Type: Cap Cement P and A	Supervisor: J Heron
Personnel J Heron, D Smith, P Stephens, R Baxter	Lease: Janus # 6

DETAILS

Safety Issues/Topics	Lifting, Pinch points, Swing paths, 3 rd Party Operations, Tag Lines, Slips Trips and Falls, High Pressure Lines, Local Wildlife, Working at Heights, Vehicle Movement, Fork Lift Movement, Chemicals
Equipment Mobilized	
Shift Meeting Held	

PROJECTS and EQUIPMENT USED

Clean Area		Oils Checked	
Parts Used		Units Fuelled Up	

CONSUMABLES and INVENTORY

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TIME BREAKDOWN

FROM	TO	DESCRIPTION
6:00	7:00	Drive to Location
7:00	9:30	Mobilise to Janus # 6
10:30	15:00	Fill Well and Monitor

STATUS AT COMPLETION OF PROJECT

No of BBS reports:	Area Left Tidy::	:
HAZ/Near miss reports::	Convoy Procedures:	

COMMENTS /OBSERVED FAULTS/SAFETY

Mobilise to Janus # 6 Fill well and monitor for 4 Hours Drive back to Roma with smoko Shack to get a Rental Generator and Get Air Con Fixed

Supervisor: _____ **Date:** 24th Sept 2012 _____

Company Rep: _____ **Date:** 24th Sept 2012 _____



Coil / Cement OPERATIONS – DAILY REPORT

Base/Location: Roma	Date: 25 / 9 /12	Page 1 of 1
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Job Type: P and A Cap CMT	Supervisor: J Heron
Personnel J Heron d Smith P stephens R Baxter	Lease: Janus # 6

DETAILS

Safety Issues/Topics	Lifting, Pinch points, Swing paths, 3 rd Party Operations, Tag Lines, Slips Trips and Falls, High Pressure Lines, Local Wildlife, Working at Heights, Vehicle Movement, Fork Lift Movement, Chemicals
Equipment Mobilized	
Shift Meeting Held	

PROJECTS and EQUIPMENT USED

Clean Area		Oils Checked	
Parts Used		Units Fuelled Up	

CONSUMABLES and INVENTORY

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TIME BREAKDOWN

FROM	TO	DESCRIPTION
6:00	7:30	Drive to location
7:30	10:30	Rig up
10:30	12:20	RIH, Unable to get to depth POOH re run to check Counter is correct, Same depth Make decision from QGC on Cement Job
12:30	1:30	Batch up cement. Problem with Cement Flow and Venturi on Knife Gate. Try to Fix but unable to solve problem, flush CMT unit and demobe it to Roma to check issues

STATUS AT COMPLETION OF PROJECT

No of BBS reports:	Area Left Tidy::	:
HAZ/Near miss reports::	Convoy Procedures:	

COMMENTS /OBSERVED FAULTS/SAFETY

<p>Attempted to Cement Janus # 6. Tried baching up and had problems with cement delivery tried for a couple of hours to rectify problem and couldn't work it out. Returned to roma to solve and fix problem</p>



Supervisor:

Date: 25th Sept 2012 _____

Company Rep:

Date: 25th Sept 2012 _____