



Submission ID: 24867595

Submission date: 09 Apr 2020 1:19:47 PM

Certificate number: CL8B73SV

Getting started

Important information

The operator of certain operating plants may need to provide safety information under the Petroleum and Gas (Safety) Regulation 2018.

Examples of safety information include:

- Reportable leaks under the Code of Practice for leak management, detection and reporting for petroleum operating plant
- Failure to achieve cementing objectives under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Alternate means of compliance under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Well integrity issue under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Other safety information about operating plant (as requested)

Instructions for use

If you are submitting information for an operating plant please use the specific details for that plant.

If you are submitting information for multiple operating plant on a petroleum tenure (e.g. multiple petroleum wells on a petroleum tenure), please use the details for the authorised activity operating plant (i.e. the authority that authorises the operating plant such as an ATP, PL, PFL etc.) and attach supporting information providing the required safety information for each plant on the tenure.

Once you complete the form you can download a copy of the submission for your records. The owner, operator or proposed operator must keep the record for the life of the plant or otherwise for at least 7 years.

Operating plant details

Category

Category *

Petroleum wells

Sub category *

CSG wells

Operator

Name of operator of operating plant (individual or corporation) *

Origin Energy Upstream Operator Pty Ltd

ACN/ARBN (corporations only)

105423532

Name of operating plant

Name of operating plant *

DM131 Spring Gully Development Area

Location of operating plant

Note: Please use the proper address of the parcel of land on which the operating plant is located and the GPS coordinates for the specific location of the operating plant (for mobile plant, please use the GPS coordinates of the base of operations). The [Queensland Government's Geocoder](#) can help you identify address and geocode details.

Released by DES
RTI Act 2009

Address (or base of operations for mobile plant)

Address Line 1 *

180 Ann St

Address Line 2

Suburb *

Brisbane City

State *

QLD

Postcode *

4000

Country

AUSTRALIA

GPS coordinates

Latitude Decimal degrees *

26.05643

e.g. -27.468542

Longitude Decimal degrees *

149.16911

e.g. 153.022411

Tenure

Tenure type and number

e.g. ATP 0123, PL 1234, PFL
PL 268

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Safety information

Information details

- Reportable leaks under the Code of Practice for leak management, detection and reporting for petroleum operating plant
- Failure to achieve cementing objectives under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Alternate means of compliance under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Well integrity issue under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Other safety information about operating plant

Information being reported

You must report any safety information required for operating plant under the Petroleum and Gas (Safety) Regulation 2018 here. Please provide a summary here and upload any additional information in the Attachment section below.

Safety information being reported *

Barriers (both the surface and production casing) have failed and are not readily replaceable. The WIMS risk level has increased and will require remediation (remediation to eliminate the leak path). The well is currently in a safe state with downhole barriers isolating the reservoir from surface.

Note: Records relating to safety management at operating plant should be retained for the life of the plant and may be subject to inspection or audit by an inspector.

Was this information initially reported by telephone *

Yes

No

Telephone report

Date and time reported

Reported on *

07 Apr 2020

at *

09:15

Name of inspector to whom telephone report was made *

Mhat Le

Attachments

Note: Upload the attachments only by using the "Click to upload" button

Please attach any supporting documents (e.g. letters, reports, technical submissions, maps, photos or other documents).

Declaration

Declaration

I declare that the information provided in this form is true and correct to the best of my knowledge and belief at the time of submission. *

Signature

I acknowledge Queensland State Laws will accept this communication as containing the above person's authority within the meaning of the *Electronic Transactions (Queensland) Act 2001* *

[Electronic Transactions \(Queensland\) Act 2001 \(PDF\)](#)

Full name of operator if an individual (or authorised representative for a corporation) *

Origin Energy Upstream Operator Pty Ltd

Date signed *

09 Apr 2020

Phone number *

0475813986

Email address (a copy of this submission will be emailed to you) *

IntegratedGasCompliance@upstream.originenergy.com.au

Privacy statement

Department of Natural Resources, Mines and Energy collects personal information from you, including information about your name, address, email address, telephone number, date of birth, qualifications, experience and other information. We collect this information to for the purpose of administering and regulating safety in the petroleum and fuel gas industry in Queensland. The *Petroleum and Gas (Production and Safety) Act 2004* allows or authorises us to collect this personal information. Your information may be shared with other State and Territory Regulators. We will only use your information for this purpose. It will otherwise not be used or disclosed unless authorised or required by law. Your personal information will be handled in accordance with the Information Privacy Act 2009.

Form number PG-OPSI - Version 1.3

Information security classification: Commercial in confidence (once filled out)

Activity Log

Prepared by Michael Scott
Document Type Incident
Reference No. GPN 9649
Status Closed

No.	Date	Time (hrs)	Officer	Activity	Activity Details
1	15/04/20	0.75	Michael Scott	Administration	Read notification (attachment 1). Add incident into the system. Email Deb Kilgour and Nhat Le indicating that I had added the notification into the system. Respond to Origin requesting additional information.
2	05/05/20	0.25	Michael Scott	Administration Correspondence	Summarizing where at and follow up Origin.
3	21/05/20	0.02	Michael Scott	Correspondence	Response received from Origin. See attachment 2.
4	03/06/20	0.25	Michael Scott	Correspondence	Read email from Origin, Prepare response (as part of multiple issues).
5	11/12/20	0.02	Michael Scott	Correspondence	Email received from Origin. See attachment 3.
6	21/12/20	0.17	Michael Scott	Administration	Close out entry. Respond to Origin. See attachment 3. Well has been added to the list of wells to inspect (in the next 24 months).

Adrien Camilleri

From: SCOTT Michael (RSHQ)
Sent: Monday, 21 December 2020 12:39 PM
To: [Redacted] - Personal Inform
Cc: IntegratedGasCompliance; [Redacted] - Personal Informa
Subject: RE: Origin Quarterly Roundtable

Hi [Redacted]

Thank you for the update provided in the email on the 11/12. Please see the table below for a response in regards to this.

Well	Issue	Current Status	Update
Durham Ranch 131	Well integrity notification	Durham Ranch 131 was remediated by suspending downhole, excavating around the wellhead, cutting and removing near surface corrode casing and installing a slip on wellhead. The well is now able to be flowed with no external leak. Origin considers this issue resolved.	Notification has been closed out in our system.

Regards
Michael

From: [Redacted] 49-Sch4 - Personal Information
Sent: Friday, 11 December 2020 2:12 PM
To: SCOTT Michael (RSHQ)
Cc: IntegratedGasCompliance
Subject: FW: Origin Quarterly Roundtable

Hi Michael, as per your request please find below an update to the wells you requested.

Kind Regards

[Redacted] Personal In

Well	Issue	Current Status
Durham Ranch 131	Well integrity notification	Durham Ranch 131 was remediated by suspending downhole, excavating around the wellhead, cutting and removing near surface corrode casing and installing a slip on wellhead. The well is now able to be flowed with no external leak. Origin considers this issue resolved.

Adrien Camilleri

From: IntegratedGasCompliance <IntegratedGasCompliance@upstream.originenergy.com.au>
Sent: Thursday, 21 May 2020 3:34 PM
To: SCOTT Michael (DNRME); IntegratedGasCompliance
Cc: [redacted]ch4 - Personal Informa
Subject: RE: Summary of open Origin activities

Afternoon Michael, please find below responses to a cohort of your requested updates. [redacted] Personal and I are working towards finalising the remainder of the information and having it over to you by the end of next week if that's ok.

Location	Aspect	DNRME Query	Origin Response
Durham Ranch 131	Well integrity notification	Email sent to Origin on 15/4 requesting additional information (see attached). I have not seen a response in regards to this one.	A risk assessment has been conducted. Remediation of the leak path is ongoing but a final course of action has been agreed. With parts fabrication we're expecting this to be complete and in place sometime in July. Note that the well is currently in a safe place from an integrity point of view, it has two bridge plugs installed isolating the reservoir from the leak path to surface

Regards

[redacted] - Personal Inf

From: SCOTT Michael (DNRME) <Michael.Scott@dnrme.qld.gov.au>
Sent: Tuesday, 5 May 2020 6:59 PM
To: IntegratedGasCompliance <IntegratedGasCompliance@upstream.originenergy.com.au>
Subject: Summary of open Origin activities

Hi [redacted] Personal

I've summarized below all the recent activity that are open on our system. If Origin can please provide a response as per each line item.

Durham Ranch 131	Well integrity notification	Email sent to Origin on 15/4 requesting additional information (see attached). I have not seen a response in regards to this one.
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Regards



Dr Michael Scott
Principal Inspector Wells
Office of the Chief Inspector | Petroleum and Gas Inspectorate
Department of Natural Resources, Mines and Energy

P: (07) 3330 4204 **M:** [redacted]ch4 - Personal Informa
E: michael.scott@dnrme.qld.gov.au
A: Level 19, 275 George Street, Brisbane QLD 4000



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Adrien Camilleri

From: 49-Sch4 - Personal Information
Sent: Friday, 12 February 2021 10:12 AM
To: SCOTT Michael (RSHQ)
Cc: sch4 - Personal Information; SDA-Environment-Admin@shell.com; 49-Sch4 - Personal Information
49-Sch4 - Personal Information
Subject: QGC Notification Information for Jordan 8 and Jordan 10
Attachments: Jordan 8 Daily Reports - Subsurface Abandonment.pdf; Jordan 10 Daily Reports - Subsurface Abandonment.pdf; Jordan 8 and Jordan 10 Schematics.xlsx

Dear Michael,

Please find information attached to answer your queries on Jordan 8 and Jordan 10:

1. Jordan 8 Daily Reports for subsurface abandonment
2. Jordan 10 Daily Reports for subsurface abandonment
3. Schematics for both wells

Jordan 8

The Auscoil intermediate capacity coiled tubing unit was mobilized to the wellsite to conduct the P&A operation. Upon rigging up all surface equipment and BOP, all pressure control equipment was successfully tested, except the crossover flange from the 5-1/2" casing to the 7-1/16" flow cross. This crossover flange is tested with the 5-1/2" production casing. The 5-1/2" casing was attempted to be pressure tested to 2,050psi, but failed. No visual leaks were identified at surface, suggesting a downhole leak.

A retrievable packer was run in hole to verify the pressure integrity of the crossover flange, which was confirmed to hold pressure higher than maximum anticipated surface pressure. The casing shoe and casing string from the shoe to 408mRT were pressure tested and failed the pressure test. Potential leak exists between 63m – 438m. In order to fully comply with the Code of Practice (CoP) requirements, the P&A plan was then amended to placing 2 cement plugs rather than one cement plug from TD to surface (see schematic).

The reasons for changing the P&A plan are summarised below:

- Inability to verify the integrity of the full 5-1/2" casing. The precise leak point could not be identified due to some equipment limitations.
- Since leak point(s) couldn't be identified, spotting one continuous cement plug from casing shoe to surface would not confirm the hydrocarbon zone (Walloon Coal Measures) isolation; it would only confirm isolation at surface.
- In order to fully comply with CoP, cement plug #1 was spotted from the casing shoe to 408mRT (30m above top of Walloon Coal Measures). This plug was then be verified by:
 - Tagging with 5klbs; and
 - Successfully pressure testing to 2,050psi, whether before setting the plug

- With cement plug# 1 verified, cement plug#2 was placed to 1.8mGL, verified with plumb bob

The well was successfully subsurface abandoned, meeting all CoP requirements.

The learnings from this well were taken into the planning and execution of Jordan 10.

Both wells have now been subsurface abandoned, and are currently planned to be cut and capped (including any cement top ups required to cut depth) in 2022 as part of a campaigned approach to the wellhead cut-offs and rehabilitation scope.

49-Sch4 - Personal Information

Compliance and Reporting Advisor

QGC Pty Limited
275 George Street
Brisbane
QLD 4001
Australia
Tel: +61 7 3024 7368



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EP WELLS DAILY OPERATIONS REPORT

Report 1

19/01/2021

Company Shell EPA Australia (QGC)
 Well Type Appraisal
 Well Jordan_8
 Wellbore Jordan_8
 WBS No/API No P-0948-EX-CP-DR00-8320 / JDN_WH008.01



Event Summary

Event Type	Abandonment	Event Start Date	19/01/2021	Days on Location	1.00
Objective	Abandonment - Permanent	Original Spud Date	19/07/2010		
Est. Days	3.00	Contractor	AusCoil		
Work Unit	Intermediate CTU Unit	Days To Release			
		Rig Phone No.			

Well Status

Supervisor	49-Sch4 - Personal Information	Measured Depth(m)	
Engineer	Sch4 - Personal Inform	TVD(m)	
Other Supervisor		24 Hr Progress(m)	
Depth Ref/Grd Elev/Water Depth(m)	DFE: 341.70 / 338.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
		Current Fluid Density(ppg)	
		LOT/FIT EMW(ppg)	
		Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC	3/10/2016	1,569	NII			LWCF	
MTC	31/01/2020	354	HPI			Safety Cards - Safe	
FAC	20/08/2020	152	GOAL ZERO DAYS	20/08/2020	152	Safety Card - Unsafe	0
Last casing pressure test			PS BARRIER EVENT			SSE%	
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

Process Safety/Marine Assurance

Equipment 1 desc.		Keyword(S)	
Equipment 2 desc.		Equip 1 hours	
Equipment 3 desc.		Equip 2 hours	
Topic		Equip 3 hours	
Loss control incident		Equipment 1 days	

HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks	Days Since Last Drill
Last Derrick Inspection				
Last BOP function test				
Last BOP Test				
Next BOP Test	20/01/2020			

HSE Inspections

Government Inspection		
Company Inspection		

Operations Summary

EP WELLS DAILY OPERATIONS REPORT

Report 1 19/01/2021

Well Jordan_8
Wellbore Jordan_8

24 Hour Summary

Mobilized Auscoil CT equipment 138kms from Toowoomba to JDN-08. Gas test area 0% LEL. Parked equipment and secured location. Location too wet to spot equipment. Travelled to Ruby-Jo camp with all crew. Attended Icebreaker session at Ruby-Jo camp. SDFN. WOD (12hr Ops only).

Update Since Report Time

SDFN. WOD. 12hr Ops only.

24 Hour Forecast

SDFN. WOD. Confirm lease suitably dry for spotting equipment. MIRU. Conduct BOP 7-day PT. RU CT BOP & Injector onto WH. RU surface lines & PT. PT WH PCE & Casing to 2050psi. RIH CT tag TD with 5Klbs. Pump cement plug from TD to surface. SDFN. WOD.

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Description
6:00	3.00	RMI	RM			0	Mobilized all CT equipment from Toowoomba to Jordan-08 (138km). Gas test area 0% LEL. Parked equipment in safe area on hard stand only. Note: Several soft areas on location which require additional time to become suitable to spot equipment.
9:00	1.00	RMI	TBT			0	Crew travelled from Jordan-08 to Ruby-Jo camp to attend P&A Icebreaker.
10:00	8.00	RMI	SM			0	Conducted P&A Icebreaker with Well engineer, WOTL, WOFL, AusCoil, SSQ, LAA, WFD.
18:00	6.00	RMI	WOD			0	SDFN. WOD (12hr operations only).
Total	18.00						

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Description
0:00	5.25	RMI	WOD			0	SDFN. WOD (12hr operations only)
5:15	0.75	RMI	WOD			0	Crew travelled from camp to JDN-8

Personnel

Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Cementing	2		
AusCoil	Coiled Tubing	3		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		8		

EP WELLS DAILY OPERATIONS REPORT

Report 2

20/01/2021

Company	Shell EPA Australia (QGC)	Project	JORDAN
Well Type	Appraisal	Tenure	ATP648
Well	Jordan_8		
Wellbore	Jordan_8		
WBS No/API No/UWI	P-0948-EX-CP-DR00-8320 / JDN_WH008.01 / 100000713077	Well Location	27°08'8.815 S 150°40'17.738 E



Event Summary

Event Type	Abandonment	Event Start Date	19/01/2021 00:00	Days on Location	2.00
Objective	Abandonment - Permanent	Event End Date			
Est. Days	3.00	Original Spud Date	19/07/2010 16:30		
Work Unit	Intermediate CTU Unit	Contractor	AusCoil		
WSF-ID		Days To Release			
		Rig Release Date			
		Rig Phone No.			

Well Status

Supervisor		Measured Depth(m)	
Engineer	49-Sch4 - Personal Information	TVD(m)	
Other Supervisor		24 Hr Progress(m)	
Depth Ref/Grd Elev/Water Depth(m)	DFE: 341.70 / 338.00	Hole size(in)	
THF Datum		Last Casing MD	
Daily NPT(hr/%)	17.75/73.96	Next Casing MD	
Daily Cost	13,214	Current Fluid Density(ppg)	
Actual cost to date/AFE	19,645/	LOT/FIT EMW(ppg)	
Actual divided by AFE		Lithology	
Days Ahd(-) Bhnd(+)(50/50)		Formation/MD Top	
Well Risk		Total No of Pills	
PumpRate(trickle) after cleanout[bbbls]		Snubbable Completion Run[Y]	
PumpRate (trickle) after LCM		Initial Pump(trickle) Rate(bbblm)	
Initial Total Solids[ccmpm]		Final Total Solids[ccmpm]	
Reason for cleanout stoppage		LCM Pumped	
Cleanout on bottom duration [hr]			

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's
LWC	3/10/2016	1,570	PSI			Safety Cards - Safe
RWC	31/01/2020	355	NII			Safety Card - Unsafe
MTC	20/08/2020	153	HPI	20/08/2020	153	SSE%
FAC			GOAL ZERO			Last casing pressure(psi)
Last casing pressure test			DAYS			
			PS BARRIER			
			EVENT			
			PS barrier bowtie			
Safety Comments:						

Process Safety/Marine Assurance

Equipment 1 desc.	Other1	Keyword(S)
Equipment 2 desc.	Other2	Equip 1 hours
Equipment 3 desc.	Other3	Equip 2 hours
Topic		Equip 3 hours
Loss control incident		Equipment 1 days

EP WELLS DAILY OPERATIONS REPORT

Report 2

20/01/2021

Well Jordan_8
Wellbore Jordan_8

HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection	20/01/2021	0	1
Last BOP function test	20/01/2021	0	
Last BOP Test	20/01/2021	0	
Next BOP Test	27/01/2021		

Operations Summary

24 Hour Summary
SDFN. Crew travel to location. TTW all crew. Gas test 0% LEL. NPT event (WOW). Lease too wet to spot equipment. SBWC waiting on ground to dry suitably to operate HV's.
Update Since Report Time
SDFN. WOD (12hr Ops only).
24 Hour Forecast
SDFN WOD Lease inspection spot equipment. 7 Day BOP test Pull test TEC NU BOP.

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Rig Rate	Description
0:00	5.25	RMI	WOD			0	RM	SDFN. WOD (12hr operations only).
5:15	0.75	RMI	WOD			0	RM	Crew travelled from camp to JDN-8.
6:00	0.25	RMI	TBT			0	RM	Gas tested wellhead area = 0%LEL. Conduct Step-7 TBT (Spotting equipment). Establish continuous gas monitoring every 5 mins.
6:15	10.75	RMI	WOW			1	RM	NPT event (WOW). Lease still too wet to spot equipment off hardstand. Standby on location until ground suitably dry to move HV's.
17:00	0.75	RMI	WOD			1	RM	Crew traveled to Ruby Jo accomodation.
17:45	6.25	RMI	WOD			1	RM	SDFN WOD
Total	24.00							

NPT Summary

Start Date/Time	End Date/Time	Responsible Company	NPT Code	Failure MD (m)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
20/01/2021 6:15AM		QGC	Wait On Weather		WOW	N		0.00	0.00		
Description: Heavy vehicle movements suspended due to soft ground from recent rain. SBWC until ground suitable for HV movements.							Title: Wait on Weather.				
Total								0.00	0.00		

Mud Inventory

Product	Quantity Onboard	Units	Daily Usage

Personnel

Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Cementing	2		
AusCoil	Coiled Tubing	3		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		8		

EP WELLS DAILY OPERATIONS REPORT

Report 3

21/01/2021

Company	Shell EPA Australia (QGC)	Project	JORDAN
Well Type	Appraisal	Tenure	ATP648
Well	Jordan_8		
Wellbore	Jordan_8		
WBS No/API No/UWI	P-0948-EX-CP-DR00-8320 / JDN_WH008.01 / 100000713077	Well Location	27°08'8.815 S 150°40'17.738 E



Event Summary

Event Type	Abandonment	Event Start Date	19/01/2021 00:00	Days on Location	3.00
Objective	Abandonment - Permanent	Event End Date			
Est. Days	3.00	Original Spud Date	19/07/2010 16:30		
Work Unit	Intermediate CTU Unit	Contractor	AusCoil		
WSF-ID		Days To Release			
		Rig Release Date			
		Rig Phone No.	0429001939		

Well Status

Supervisor	49-Sch4 - Personal Information	Measured Depth(m)	817.01
Engineer		TVD(m)	1,000.67
Other Supervisor		24 Hr Progress(m)	
Depth Ref/Grd Elev/Water Depth(m)		Hole size(in)	
THF Datum			
Daily NPT(hr/%)	10.00/41.67	Last Casing MD	
Daily Cost	20,762	Next Casing MD	
Actual cost to date/AFE	40,407/	Current Fluid Density(ppg)	
Actual divided by AFE		LOT/FIT EMW(ppg)	
Days Ahd(-) Bhnd(+)(50/50)		Lithology	
		Formation/MD Top	
Well Risk		Total No of Pills	
PumpRate(trickle) after cleanout[bbbls]		Snubbable Completion Run[Y]	
PumpRate (trickle) after LCM		Initial Pump(trickle) Rate(bbblm)	
Initial Total Solids[ccmpm]		Final Total Solids[ccmpm]	
Reason for cleanout stoppage		LCM Pumped	
Cleanout on bottom duration [hr]			

Operating Rates

Rig Operating Rate(hr)	14.00
Rig Zero Rate(hr)	0.00
Rig Lumpsum Rate(hr)	0.00
Rig Move(hr)	10.00
Stdby wo Crew(hr)	0.00
Stdby w Crew(hr)	0.00
Plan Prev Maint(hr)	0.00
Rig Repair Rate(hr)	0.00

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's

EP WELLS DAILY OPERATIONS REPORT

Report 3

21/01/2021

Well Jordan_8
Wellbore Jordan_8

LWC RWC MTC FAC Last casing pressure test	3/10/2016 31/01/2020 20/08/2020	1,571 356 154	PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie	20/08/2020	154	Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)
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Safety Comments: TBM spot equipment TBM unload stores truck TBM spot vac tanker
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HSE Drills			
Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection			
Last BOP function test	20/01/2021	1	2
Last BOP Test	20/01/2021	1	
Next BOP Test	27/01/2021		

Operations Summary
24 Hour Summary
SDFN WOD Spot CTU and support equipment. RU hardlines stump test BOP. NU flow cross master valve.
Update Since Report Time
SDFN WOD.
24 Hour Forecast
SDFN WOD Lift injector PT external TEC.MU cement stinger BHA.RIH to PBDT circulate bottoms up pump cement plug. WOC SDFN.

Time Summary								
Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Rig Rate	Description
0:00	5.25	RMI	WOD			1	RM	SDFN WOD (12hr operations only).
5:15	0.75	RMI	WOD			1	RM	Crew travelled from camp to JDN-8.
6:00	0.25	RMI	TBT			1	RM	Gas tested wellhead area = 0%LEL. Conduct Step-7 TBT (Spotting equipment).
6:15	3.75	RMI	RU			1	RM	Remove well fencing . Spotted CTU unit, cement bulker, pump truck, frac tank and office/Smoko shack into position.
10:00	0.75	CT	SM			0	O	Completed WSSI with all personnel.
10:45	2.25	CT	RU			0	O	RU hardlines land BOP on test stump. (Offline) - unload stores truck - build water stocks
13:00	0.25	CT	TBT			0	O	Conduct Step-7 TBT (Install B-section).
13:15	0.75	CT	RU			0	O	Cleaned up existing threads & installed 5-1/2" BTC x 7-1/16" Flange crossover. Installed 7-1/16" flow. cross and frac valve.
14:00	0.25	CT	RU			0	O	TBM RU pull test plate pull test TEC 30 kilbs.
14:15	0.25	CT	SM			0	O	Conduct Step-7 TBT (PT BOP and CT).
14:30	2.75	CT	BOP			0	O	Function test Blind shear 8 seconds to shut. Function test pipe slips 8 seconds to close. Accumulator draw down test three cycles shut open shut. Initial hydraulic pressure 2850 psi final pressure. 1250 psi. 100 seconds to rebuild accumulator pressure. PT blind shear 250/3000 5/10 min good test. PT pipe slips 250/3000 5/10 min psi good test.
17:15	0.25	CT	SM			0	O	AAR with crew.
17:30	0.75	CT	WOD			0	O	Crew travel from location to Ruby Jo.
18:15	5.75	CT				0	O	SDFN WOD.
Total	24.00							

EP WELLS DAILY OPERATIONS REPORT

Report 3

21/01/2021

Well Jordan_8
Wellbore Jordan_8

Deepest 5 Surveys

MD (m)	Inc. (°)	Azi. (°)	TVD (m)	N/S (m)	E/W (m)	V.Sec (m)	DLeg (°/30m)	Tool
158.00	0.250	0.000				-0.40		
807.00	1.000	0.000				7.08		

Mud Inventory

Product	Quantity Onboard	Units	Daily Usage
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Personnel

Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Coiled Tubing	3		
AusCoil	Cementing	2		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		8		

Remarks

Diesel
CTU 006 90 l
ACS017 Prime Mover 150 l
ACS018 Prime Mover 90 l

EP WELLS DAILY OPERATIONS REPORT

Report 4

22/01/2021

Company	Shell EPA Australia (QGC)	Project	JORDAN
Well Type	Appraisal	Tenure	ATP648
Well	Jordan_8		
Wellbore	Jordan_8		
WBS No/API No/UWI	P-0948-EX-CP-DR00-8320 / JDN_WH008.01 / 100000713077	Well Location	27°08'8.815 S 150°40'17.738 E



Event Summary

Event Type	Abandonment	Event Start Date	19/01/2021 00:00	Days on Location	4.00
Objective	Abandonment - Permanent	Event End Date			
Est. Days	3.00	Original Spud Date	19/07/2010 16:30		
Work Unit	Intermediate CTU Unit	Contractor	AusCoil		
WSF-ID		Days To Release			
		Rig Release Date			
		Rig Phone No.	0429001939		

Well Status

Supervisor		Measured Depth(m)	817.01
Engineer	49-Sch4 - Personal Information	TVD(m)	1,000.67
Other Supervisor		24 Hr Progress(m)	
Depth Ref/Grd Elev/Water Depth(m)	DFE: 341.70 / 338.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	12.25/51.04	Last Casing MD	
Daily Cost	18,034	Next Casing MD	
Actual cost to date/AFE	58,441/	Current Fluid Density(ppg)	
Actual divided by AFE		LOT/FIT EMW(ppg)	
Days Ahd(-) Bhnd(+)(50/50)		Lithology	
		Formation/MD Top	
Well Risk		Total No of Pills	
PumpRate(trickle) after cleanout[bbbls]		Snubbable Completion Run[Y]	
PumpRate (trickle) after LCM		Initial Pump(trickle) Rate(bbblm)	
Initial Total Solids[ccmpm]		Final Total Solids[ccmpm]	
Reason for cleanout stoppage		LCM Pumped	
Cleanout on bottom duration [hr]			

Operating Rates

Rig Operating Rate(hr)	24.00
Rig Zero Rate(hr)	0.00
Rig Lumpsum Rate(hr)	0.00
Rig Move(hr)	0.00
Stdby wo Crew(hr)	0.00
Stdby w Crew(hr)	0.00
Plan Prev Maint(hr)	0.00
Rig Repair Rate(hr)	0.00

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's

EP WELLS DAILY OPERATIONS REPORT

Report 4

22/01/2021

Well Jordan_8
Wellbore Jordan_8

LWC RWC MTC FAC Last casing pressure test	3/10/2016 31/01/2020 20/08/2020 22/01/2021	1,572 357 155	PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie	20/08/2020	155	Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)
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Safety Comments:
TBM PT TEC
TBM PT casing
Site visit from HSSE and WOFL

Process Safety/Marine Assurance

Equipment 1 desc. Equipment 2 desc. Equipment 3 desc. Topic Loss control incident	Other1 Other2 Other3	Keyword(S) Equip 1 hours Equip 2 hours Equip 3 hours Equipment 1 days
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HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection			
Last BOP function test	21/01/2021	1	3
Last BOP Test	21/01/2021	1	
Next BOP Test	28/01/2021		

Operations Summary

24 Hour Summary
SDFN WOD. NU BOP, PT TEC. Pumped 3/4" ball through CT. PT surface lines and surface stack up. RIH cmt stinger to 10 mKB attempt to PT casing failed. Retest surface equipment good test. Attempt to PT casing unsuccessfully. Conference call with town to discuss way forward. RD injector and secured well.
Update Since Report Time
SDFN WOD
24 Hour Forecast
SDFN WOD, mobilize 5-1/2" J-Latch Test Packer. Wait on MOC to conduct casing leak investigation.

EP WELLS DAILY OPERATIONS REPORT

Report 4

22/01/2021

Well Jordan_8
Wellbore Jordan_8

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Rig Rate	Description
0:00	5.25	CT	WOD			0	O	SDFN WOD.
5:15	0.75	CT	RU			0	O	Crew travelled from camp to JDN-8.
6:00	0.50	CT	RU			0	O	Conducted WSSI with all personnel.
6:30	1.50	CT	RU			0	O	NU CT BOP onto 7-1/16" gate valve. RU flow lines to choke manifold and flowback tank.
8:00	0.50	CT	RU			0	O	PT CT and TEC 250/5000 psi - Tested good.
8:30	0.50	CT	RU			0	O	Installed ball catcher. Stabbed injector onto BOP. Installed 3/4" ball into surface line. Pumped ball through CT with 16.5 bbl of water.
9:00	0.50	CT	RU			0	O	BO injector retrieved ball. MU cmt stinger BHA complete with DCVA. Stabbed injector onto BOP's, flushed lines.
9:30	1.00	CT	RU			0	O	PT surface stack and flow lines to choke manifold against closed master valve to 250/5000 psi - Tested good. Bled off pressure to 2800psi in system. Bled off pressure in coiled tubing to 0psi and inflow test DCVA for 5 mins. Tested good. Bled off residual pressure in system to 0psi
10:30	0.25	CT	TBT			0	O	Conducted TBT on casing pressure test and RIH with cement string.
10:45	1.00	CT	PT			0	O	Opened master valve and RIH with CT cement stinger to 10mKB. Topped up well with 2.0 bbls of fresh water. Commenced PT of casing string to 250psi. Good test. Continued to pressure up wellbore in stages to 1615psi, max pressure achieved, pumped 2.0bbls. Stopped pumping and inspected all surface lines, no visual leaks observed. Commenced pumping at 0.3bpm and max pressure achieved 1250psi. Pumped 0.5bbls and shut down pump. Pressure leaked off to 960psi after stopping pump, monitor leak off. Initial leak off rate of 26psi/min and reducing to 15 psi/min after 10 mins. Pumped total of 2.5bbls. Bled off wellbore pressure to 0psi. Pressure test of Production casing failed.
11:45	0.50	CT	PT			1	O	Discussed operations with Brisbane engineer.
12:15	0.25	CT	PT			1	O	POOH with CT to surface, closed master valve and lined up to pressure test surface lines against master valve.
12:30	0.50	CT	PT			1	O	PT CT and surface lines against master valve to 250/3000 psi - Good test.
13:00	0.25	CT	PT			1	O	Advise Brisbane engineering of surface pressure test results, decision made to test casing again.
13:15	1.75	CT	PT			1	O	PT casing wellbore to 250psi, Good test. Continued to pressure up casing in 250psi stages. Pressure at 500psi, observed leak off rate of 2psi/min. Pressured up to 750psi and observed leak off rate of 20psi/min. Pressured up to 1000psi and observed leak off rate of 50psi/min. Pressured up to 1250psi fluid appeared to inject into leak. Stop pumping and observed a leak rate of 95psi/min. monitor pressure leak off.
15:00	1.00	CT	RD			1	O	Rig down and secure well. Install pressure gauge to SOV on well head to monitor pressure below the master valve overnight.
16:00	1.00	CT	PT			1	O	Discussed forward plan with Brisbane engineering team.
17:00	0.25	CT	TBT			1	O	AAR with crew
17:15	0.75	CT	WOD			1	O	Crew returned to Ruby Jo Camp
18:00	6.00	CT	WOD			1	O	SDFN
Total	24.00							

EP WELLS DAILY OPERATIONS REPORT

Report 4

22/01/2021

Well Jordan_8
Wellbore Jordan_8

NPT Summary

Start Date/Time	End Date/Time	Responsible Company	NPT Code	Failure MD (m)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
22/01/2021 11:45AM		QGC	Casing/Liner/Hanger		PT	N		0.00	0.00		
Description: While attempting to pressure test casing to 2050psi, unable to achieve required pressure as fluid passing through unknown leak path down hole.							Title: Failed Casing Pressure Test				
Total								0.00	0.00		

Deepest 5 Surveys

MD (m)	Inc. (°)	Azi. (°)	TVD (m)	N/S (m)	E/W (m)	V.Sec (m)	DLeg (°/30m)	Tool
158.00	0.250	0.000				-0.40		
807.00	1.000	0.000				7.08		

Mud Inventory

Product	Quantity Onboard	Units	Daily Usage

Personnel

Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Cementing	2		
AusCoil	Coiled Tubing	3		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		8		

Remarks

Diesel
CTU 006 - 122 l
Cement Unit CPT 00001 - 100l
QGC LV 019 YYC - 29l

EP WELLS DAILY OPERATIONS REPORT

Report 5

23/01/2021

Company	Shell EPA Australia (QGC)	Project	JORDAN
Well Type	Appraisal	Tenure	ATP648
Well	Jordan_8		
Wellbore	Jordan_8		
WBS No/API No/UWI	P-0948-EX-CP-DR00-8320 / JDN_WH008.01 / 100000713077	Well Location	27°08'8.815 S 150°40'17.738 E



Event Summary

Event Type	Abandonment	Event Start Date	19/01/2021 00:00	Days on Location	5.00
Objective	Abandonment - Permanent	Event End Date			
Est. Days	3.00	Original Spud Date	19/07/2010 16:30		
Work Unit	Intermediate CTU Unit	Contractor	AusCoil		
WSF-ID		Days To Release			
		Rig Release Date			
		Rig Phone No.	0429001939		

Well Status

Supervisor		Measured Depth(m)	817.01
Engineer	49-Sch4 - Personal Information	TVD(m)	1,000.67
Other Supervisor		24 Hr Progress(m)	
Depth Ref/Grd Elev/Water Depth(m)	DFE: 341.70 / 338.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	24.00/100.00	Last Casing MD	
Daily Cost	21,069	Next Casing MD	
Actual cost to date/AFE	79,511/	Current Fluid Density(ppg)	
Actual divided by AFE		LOT/FIT EMW(ppg)	
Days Ahd(-) Bhnd(+)(50/50)		Lithology	
		Formation/MD Top	
Well Risk		Total No of Pills	
PumpRate(trickle) after cleanout[bbbls]		Snubbable Completion Run[Y]	
PumpRate (trickle) after LCM		Initial Pump(trickle) Rate(bbblm)	
Initial Total Solids[ccmpm]		Final Total Solids[ccmpm]	
Reason for cleanout stoppage		LCM Pumped	
Cleanout on bottom duration [hr]			

Operating Rates

Rig Operating Rate(hr)	13.00
Rig Zero Rate(hr)	11.00
Rig Lumpsum Rate(hr)	0.00
Rig Move(hr)	0.00
Stdby wo Crew(hr)	0.00
Stdby w Crew(hr)	0.00
Plan Prev Maint(hr)	0.00
Rig Repair Rate(hr)	0.00

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's

EP WELLS DAILY OPERATIONS REPORT

Report 5 23/01/2021

Well Jordan_8
Wellbore Jordan_8

LWC RWC MTC FAC Last casing pressure test	3/10/2016 31/01/2020 20/08/2020 22/01/2021	1,573 358 156	PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie	20/08/2020	156	Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)
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Safety Comments:

Conducted Weekly Safety Meeting

HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill	
Last Derrick Inspection	21/01/2021	2		2
Last BOP function test	21/01/2021	2		4
Last BOP Test	21/01/2021			
Next BOP Test	28/01/2021			

Operations Summary

24 Hour Summary

SDFN WOD. Rig up new pumping line to annulus and PT 250/3000 psi. Inspect Auscoil test packer serial numbers indicate the packer may not be suitable to RIH into 15.5# 5-1/2" casing. WSM with crew. Wait on replacement Protest packer. Inspect Protest packer. MU BHA stab lub onto BOP and PT. RIH packer and set at 50 mKB with 14,000lbs over pull, packer released. POOH and re-dress and run to 51 mKB and set packer with 6,500lbs over pull. Commenced pressure testing in 250 psi stages to 1125 psi. Observe 750 psi pressure on coil tubing. Packer leaking. Release packer and POOH

Update Since Report Time

SDFN WOD

24 Hour Forecast

SDFN WOD. Inspect and re-dress packer. Re-run and pressure test casing, circulate bottoms up and pump cement for abandonment.

Released by BOPDES
RTI Act 2008

EP WELLS DAILY OPERATIONS REPORT

Report 5

23/01/2021

Well Jordan_8
Wellbore Jordan_8

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Rig Rate	Description
0:00	5.25	CT	WOD			1	Z	SDFN WOD
5:15	0.75	CT	WOD			1	Z	Crew travelled from camp to JDN-8.
6:00	0.25	CT	TBT			1	O	Conducted pre-start TBT with all personnel.
6:15	0.25	CT	PT			1	O	Recorded casing surface pressure at 0 psi.
6:30	2.50	CT	PT			1	O	Rigged up surface pump lines from cement unit to SOV below master valve on tree. Checked Auscoil packer. Serial numbers on packer indicate consumable items on packer may not be suitable to RIH in 15.5 lb/ft casing. Auscoil arrange replacement packer from Protest.
9:00	1.00	CT	SM			1	O	Conducted weekly safety meeting with crew.
10:00	1.50	CT	PT			1	O	Flush through newly installed annulus surface line and pressure test to 250/3000psi. Note; MOC w/Deviation #11639 received
11:30	2.25	CT				1	O	Wait on Protest packer to arrive from Toowoomba
13:45	0.75	CT	HBH			1	O	Inspect and MU Protest packer BHA. Installed extra shear srew into CT mechanical disconnect. Shear value of CT disconnect. 39000 lbs. Shear disconnect on packer 29000 lbs. Stab lubricator onto BOP
14:30	0.25	CT	TBT			1	O	TBM PT surface stack and RIH Protest J latch packer.
14:45	0.50	CT	RU			1	O	PT surface stack 250/3000 psi. Good test.
15:15	0.75	CT	INP			1	O	Opened master RIH packer to 50 mKB. Cycled packer as per Protest operating procedure. Set COE at 50.13 mKB. Packer appeared to set after ~ 5 seconds packer released. Attempted multiple times to reset the packer. POOH
16:00	0.25	CT	HBH			1	O	Break out lubricator inspect tools. Shear screws on bottom of packer have been sheared. 1 steel and 5 brass screws recovered.
16:15	0.25	CT	HBH			1	O	Discussed with Protest and Auscoil engineering the issue. Possibly a faulty steel shear pin. Repin the packer with 5 brass and 1 steel shear pin.
16:30	0.25	CT	RU			1	O	Stab lubricator onto BOP.
16:45	0.25	CT	TBT			1	O	TBM PT surface stack and RIH Protest J latch packer.
17:00	0.25	CT	PT			1	O	PT surface stack 250/3000 psi. Good test.
17:15	0.25	CT	TI			1	O	Opened master, RIH packer to 51.3 mKB. Cycled packer as per Protest operating procedure. Set COE at 51.3 mKB. Pulled 6500lbs over and set packer.
17:30	0.75	CT	INP			1	O	Pressured up on backside of packer to 250psi and hold for 5mins, good low test. Pressured up on packer in 250psi stages holding at each stage until pressure stable. Pressured up to 1125psi and observed pressure on coil tubing (750psi). Isolated pumps and bled off pressure on coil tubing. Re-pressured annulus to 750psi and coil tubing pressure increase with annulus pressure - packer leaking. Decision made to pull out of hole.
18:15	0.25	CT	HBH			1	O	Break out lubricator inspect tools. Tools in good condition.
18:30	0.25	CT	RD			1	O	Rig down and secure well. Install pressure pressure gauge to SOV on well head to monitor pressure below the master valve overnight.
18:45	0.25	CT	TBT			1	O	Conduct AAR with crew.
19:00	0.75	CT	WOD			1	Z	Crew returned to Ruby Jo Camp
19:45	4.25	CT	WOD			1	Z	SDFN
Total	24.00							

EP WELLS DAILY OPERATIONS REPORT

Report 5

23/01/2021

Well Jordan_8
Wellbore Jordan_8

Deepest 5 Surveys

MD (m)	Inc. (°)	Azi. (°)	TVD (m)	N/S (m)	E/W (m)	V.Sec (m)	DLeg (°/30m)	Tool
158.00	0.250	0.000				-0.40		
807.00	1.000	0.000				7.08		

Mud Inventory

Product	Quantity Onboard	Units	Daily Usage

Personnel

Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Cementing	2		
AusCoil	Coiled Tubing	3		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		8		

Remarks

MOC w/Deviation #11639 received.
Removal of DFCV is included in MOC Deviation #11639.

EP WELLS DAILY OPERATIONS REPORT

Report 6

24/01/2021

Company	Shell EPA Australia (QGC)	Project	JORDAN
Well Type	Appraisal	Tenure	ATP648
Well	Jordan_8		
Wellbore	Jordan_8		
WBS No/API No/UWI	P-0948-EX-CP-DR00-8320 / JDN_WH008.01 / 100000713077	Well Location	27°08'8.815 S 150°40'17.738 E



Event Summary

Event Type	Abandonment	Event Start Date	19/01/2021 00:00	Days on Location	6.00
Objective	Abandonment - Permanent	Event End Date			
Est. Days	3.00	Original Spud Date	19/07/2010 16:30		
Work Unit	Intermediate CTU Unit	Contractor	AusCoil		
WSF-ID		Days To Release			
		Rig Release Date			
		Rig Phone No.	0429001939		

Well Status

Supervisor	49-Sch4 - Personal Information	Measured Depth(m)	817.01
Engineer		TVD(m)	1,000.67
Other Supervisor		24 Hr Progress(m)	
Depth Ref/Grd Elev/Water Depth(m)		Hole size(in)	
THF Datum			
Daily NPT(hr/%)	24.00/100.00	Last Casing MD	
Daily Cost	21,273	Next Casing MD	
Actual cost to date/AFE	100,384/	Current Fluid Density(ppg)	
Actual divided by AFE		LOT/FIT EMW(ppg)	
Days Ahd(-) Bhnd(+)(50/50)		Lithology	
		Formation/MD Top	
Well Risk		Total No of Pills	
PumpRate(trickle) after cleanout[bbbls]		Snubbable Completion Run[Y]	
PumpRate (trickle) after LCM		Initial Pump(trickle) Rate(bbblm)	
Initial Total Solids[ccmpm]		Final Total Solids[ccmpm]	
Reason for cleanout stoppage		LCM Pumped	
Cleanout on bottom duration [hr]			

Operating Rates

Rig Operating Rate(hr)	11.75
Rig Zero Rate(hr)	12.25
Rig Lumpsum Rate(hr)	0.00
Rig Move(hr)	0.00
Stdbby wo Crew(hr)	0.00
Stdbby w Crew(hr)	0.00
Plan Prev Maint(hr)	0.00
Rig Repair Rate(hr)	0.00

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's

EP WELLS DAILY OPERATIONS REPORT

Report 6

24/01/2021

Well Jordan_8
Wellbore Jordan_8

LWC RWC MTC FAC Last casing pressure test	3/10/2016 31/01/2020 20/08/2020 22/01/2021	1,574 359 157	PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie	20/08/2020	157	Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)
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Safety Comments:

Morning TBT.
TBT prior to pressure testing and RIH.
Site safety visit from WOFL

Process Safety/Marine Assurance

Equipment 1 desc. Equipment 2 desc. Equipment 3 desc. Topic Loss control incident	Other1 Other2 Other3	Keyword(S) Equip 1 hours Equip 2 hours Equip 3 hours Equipment 1 days
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HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection			2
Last BOP function test	21/01/2021	3	5
Last BOP Test	21/01/2021	3	
Next BOP Test	28/01/2021		

Operations Summary

24 Hour Summary
SDFN WOD. Redressed and ran Protest Packer to 50.1 mKB. Set packer and pressure test to 976psi while maintaining/increasing tension on CT, packer sheared while increasing tension to 22,000lbs for 1250psi PT stage. Discuss forward plan with Brisbane. Received eMOC w/Deviation #11651. Run and set RBP at 408m and attempt to test against casing shoe. Test failed. POOH. Secured well, SDFN.
Update Since Report Time
SDFN WOD 12 hour ops only
24 Hour Forecast
SDFN WOD. RIH circulate bottoms up, pump cement plug to ~408 mKB, WOC. RIH to tag TOC. SDFN.

EP WELLS DAILY OPERATIONS REPORT

Report 6

24/01/2021

Well Jordan_8
Wellbore Jordan_8

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Rig Rate	Description
0:00	5.25	CT	WOD			1	Z	SDFN.
5:15	0.75	CT	WOD			1	Z	Crew travelled from camp to JDN-8.
6:00	0.25	CT	TBT			1	O	Conducted pre-start TBT with all personnel.
6:15	0.25	CT	PT			1	O	Recorded casing surface pressure at 0 psi.
6:30	1.50	CT	HBH			1	O	Inspect and redress Protest packer BHA. Service all surface valves, conducted pull test on coil connector to 41,000lbs. Shear value of CT disconnect - 39000 lbs. Shear disconnect on packer - 29000 lbs. Stab lubricator onto BOP.
8:00	0.25	CT	TBT			1	O	TBM PT surface stack and RIH Protest J latch packer.
8:15	0.75	CT	PT			1	O	PT surface stack 250/3000 psi. 5/10 min good test.
9:00	0.25	CT	SPK			1	O	Opened master, RIH packer to 50.15 mKB. Cycled packer as per Protest operating procedure. Set COE at 50.1 mKB. Pulled 10,200lbs over and set packer.
9:15	0.75	CT	PT			1	O	Pressured up on backside of packer to 250psi and hold for 5mins, good low test. Pressured up on packer in stages holding at each stage until pressure stable. Meanwhile, increase tension on CT to assist with element sealing on packer at each pressure stage. Pulled 19,000lbs over into coil for pressure increase to 1250psi stage and packer sheared. Pressure on annulus held stable at 976psi prior to packer shearing. POOH.
10:00	1.00	CT	HBH			1	O	Discuss operations with Brisbane engineering.
11:00	3.75	CT	HBH			1	O	Waiting on forward plan from Brisbane engineering. MOC w/Deviation #11651 received. Meanwhile, inspect and redress Protest packer BHA. TBM PT surface stack and RIH Protest J latch packer.
14:45	0.75	CT	PT			1	O	PT surface stack 250/3000 psi. 5/10 min good test.
15:30	0.75	CT	SPK			1	O	Opened master, RIH packer to 408 mKB. Cycled packer as per Protest operating procedure. Set COE at 408 mKB. Pulled 10,200lbs over and set packer.
16:15	0.50	CT	PT			1	O	Pressured up down CT against casing shoe and PT casing to 250psi, good test. Continue pressuring up in increments to 1500psi, pressure leaked off to ~960psi. CT to 5-1/2" casing annulus pressure 0 psi. POOH.
16:45	0.25	CT	HBH			1	O	Break out lubricator inspect tools. Tools in good condition.
17:00	0.50	CT	RD			1	O	Rig down and secure well. Installed pressure gauge to SOV on well head to monitor pressure below the master valve overnight.
17:30	0.25	CT	TBT			1	O	AAR with crew members.
17:45	0.75	CT	WOD			1	Z	Crew returned to Ruby Jo Camp.
18:30	5.50	CT	WOD			1	Z	SDFN.
Total	24.00							

Deepest 5 Surveys

MD (m)	Inc. (°)	Azi. (°)	TVD (m)	N/S (m)	E/W (m)	V.Sec (m)	DLeg (°/30m)	Tool
158.00	0.250	0.000				-0.40		
807.00	1.000	0.000				7.08		

Mud Inventory

Product	Quantity Onboard	Units	Daily Usage

EP WELLS DAILY OPERATIONS REPORT

Report 6

24/01/2021

Well Jordan_8
Wellbore Jordan_8

Personnel				
Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Cementing	2		
AusCoil	Coiled Tubing	4		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		9		

Remarks
MOC w/Deviation #11651 received. Removal of DFCV is included in MOC Deviation #11651.

Released by DES
RTI Act 2009

EP WELLS DAILY OPERATIONS REPORT

Report 7

25/01/2021

Company	Shell EPA Australia (QGC)	Project	JORDAN
Well Type	Appraisal	Tenure	ATP648
Well	Jordan_8		
Wellbore	Jordan_8		
WBS No/API No/UWI	P-0948-EX-CP-DR00-8320 / JDN_WH008.01 / 100000713077	Well Location	27°08'8.815 S 150°40'17.738 E



Event Summary

Event Type	Abandonment	Event Start Date	19/01/2021 00:00	Days on Location	7.00
Objective	Abandonment - Permanent	Event End Date	27/01/2021 08:00		
Est. Days	3.00	Original Spud Date	19/07/2010 16:30		
Work Unit	Intermediate CTU Unit	Contractor	AusCoil		
WSF-ID		Days To Release			
		Rig Release Date	27/01/2021 08:00		
		Rig Phone No.	0429001939		

Well Status

Supervisor		Measured Depth(m)	817.01
Engineer	49-Sch4 - Personal Information	TVD(m)	1,000.67
Other Supervisor		24 Hr Progress(m)	
Depth Ref/Grd Elev/Water Depth(m)	DFE: 341.70 / 338.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Daily Cost	21,363	Next Casing MD	
Actual cost to date/AFE	122,047/0	Current Fluid Density(ppg)	
Actual divided by AFE		LOT/FIT EMW(ppg)	
Days Ahd(-) Bhnd(+)(50/50)		Lithology	
		Formation/MD Top	
Well Risk		Total No of Pills	
PumpRate(trickle) after cleanout[bbbls]		Snubbable Completion Run[Y]	
PumpRate (trickle) after LCM		Initial Pump(trickle) Rate(bbblm)	
Initial Total Solids[ccmpm]		Final Total Solids[ccmpm]	
Reason for cleanout stoppage		LCM Pumped	
Cleanout on bottom duration [hr]			

Operating Rates

Rig Operating Rate(hr)	10.00
Rig Zero Rate(hr)	14.00
Rig Lumpsum Rate(hr)	0.00
Rig Move(hr)	0.00
Stdbby wo Crew(hr)	0.00
Stdbby w Crew(hr)	0.00
Plan Prev Maint(hr)	0.00
Rig Repair Rate(hr)	0.00

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's

EP WELLS DAILY OPERATIONS REPORT

Report 7

25/01/2021

Well Jordan_8
Wellbore Jordan_8

LWC RWC MTC FAC Last casing pressure test	3/10/2016 31/01/2020 20/08/2020 22/01/2021	1,575 360 158	PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie	20/08/2020	158	Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)
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Safety Comments:
Morning TBM
TBM pre cement job
TBM Rig Down
AAR

HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill	
Last Derrick Inspection				3
Last BOP function test	21/01/2021	4		6
Last BOP Test	21/01/2021	4		
Next BOP Test	28/01/2021			

Operations Summary

24 Hour Summary
SDFN WOD. RIH tag PBTD at 796.5 mKB with 5klbs. Circulated bottoms up, Pumped 34 bbls of 14.5 ppg cement to 408 mKB while POOH at 25 m/min, WOC. SDFN. WOD
Update Since Report Time
SDFN WOD. 12 hour Ops only
24 Hour Forecast
SDFN WOD. RIH set RBP and pressure test above cement plug at 388 mKB. Pump 2nd cement plug to surface, WOC. RDMO to Jordan 10. SDFN

Released by DES
RTI Act 2009

EP WELLS DAILY OPERATIONS REPORT

Report 7

25/01/2021

Well Jordan_8
Wellbore Jordan_8

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Rig Rate	Description
0:00	5.25	CT	WOD			0	Z	SDFN.
5:15	0.75	CT	WOD			0	Z	Crew traveled from Ruby Jo to location.
6:00	0.50	CT	TBT			0	O	Gas test 0% LEL and morning TBM
6:30	0.25	CT	RU			0	O	Pre starts on equipment.
6:45	1.25	CT	HBH			0	O	PU injector MU non rotating jet nozzle BHA c/w DCVA. RD annulus surface lines.
8:00	0.75	CT	PT			0	O	Stab injector PT stack 250/3000 psi 5/10 minutes good test. Inflow test DCVA, good test.
8:45	2.00	CT	WCU			0	O	Opened master and RIH with cement stinger string to 778 mKB and tag fill. Picked up 2 m and engaged pumps at 2 bpm and washed down to 796.6 mKB. Circulate bottoms up with clean returns.
10:45	0.25	CT	TBT			0	O	TBT on pumping cement job.
11:00	0.50	CT	CMP			0	O	Mixed cement and confirmed line up and verified cement at 14.5ppg.
11:30	1.25	CT	CMP			0	O	Commenced cement job and pumped 34 bbls of 14.5ppg cement, displace CT with 10 bbls of flush all while pulling out of hole at 25m/min to 406 mKB. Stop POOH and continued to circulate bottoms up with clean returns. Continued pulling out of hole to surface, flushing surface tree and BOP's. Note; 3 x cement samples collected during operation.
12:45	0.25	CT	RD			0	O	Break out lubricator inspect tools. Tools in good condition.
13:00	1.00	CT	RD			0	O	RD and secured well. Installed pressure gauge to SOV on well head to monitor pressure below the master valve overnight.
14:00	0.25	CT	TBT			0	O	AAR with crew members.
14:15	1.75	CT	WOC			0	O	Crew returned to Ruby Jo Camp via Margaret 1 to off-load excess equipment.
16:00	8.00	CT	WOD			0	Z	SDFN.
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Description
0:00	5.25	CT	WOD			0	SDFN.
5:15	0.75	CT	WOD			0	Crew traveled from RubyJo to location.

Deepest 5 Surveys

MD (m)	Inc. (°)	Azi. (°)	TVD (m)	N/S (m)	E/W (m)	V.Sec (m)	DLeg (°/30m)	Tool
158.00	0.250	0.000				-0.40		
807.00	1.000	0.000				7.08		

Mud Inventory

Product	Quantity Onboard	Units	Daily Usage

EP WELLS DAILY OPERATIONS REPORT

Report 7

25/01/2021

Well Jordan_8
Wellbore Jordan_8

Personnel

Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Cementing	2		
AusCoil	Coiled Tubing	3		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		8		

Remarks

MOC w/Deviation #11651 received.
Removal of DFCV is included in MOC Deviation #11651.

Diesel;
CTU Intermediate Unit # CTT00006 - 419 ltrs
Cement Bulker Trailer Unit # CBT00003 - 70 ltrs
Cement Pump Unit # CTP00001 - 144 ltrs
HV AusCoil Prime Mover # ACS017 - 22 ltrs
AusCoil LV # ASC026 - 20 ltrs

Released by DES
RTI Act 2009

EP WELLS DAILY OPERATIONS REPORT

Report 8

26/01/2021

Company	Shell EPA Australia (QGC)	Project	JORDAN
Well Type	Appraisal	Tenure	ATP648
Well	Jordan_8		
Wellbore	Jordan_8		
WBS No/API No/UWI	P-0948-EX-CP-DR00-8320 / JDN_WH008.01 / 100000713077	Well Location	27°08'8.815 S 150°40'17.738 E



Event Summary

Event Type	Abandonment	Event Start Date	19/01/2021 00:00	Days on Location	8.00
Objective	Abandonment - Permanent	Event End Date			
Est. Days	3.00	Original Spud Date	19/07/2010 16:30		
Work Unit	Intermediate CTU Unit	Contractor	AusCoil		
WSF-ID		Days To Release			
		Rig Release Date			
		Rig Phone No.	0429001939		

Well Status

Supervisor		Measured Depth(m)	817.01
Engineer	49-Sch4 - Personal Information	TVD(m)	1,000.67
Other Supervisor		24 Hr Progress(m)	
Depth Ref/Grd Elev/Water Depth(m)	DFE: 341.70 / 338.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Daily Cost	22,676	Next Casing MD	
Actual cost to date/AFE	144,723/	Current Fluid Density(ppg)	
Actual divided by AFE		LOT/FIT EMW(ppg)	
Days Ahd(-) Bhnd(+)(50/50)		Lithology	
		Formation/MD Top	
Well Risk		Total No of Pills	
PumpRate(trickle) after cleanout[bbbls]		Snubbable Completion Run[Y]	
PumpRate (trickle) after LCM		Initial Pump(trickle) Rate(bbblm)	
Initial Total Solids[ccmpm]		Final Total Solids[ccmpm]	
Reason for cleanout stoppage		LCM Pumped	
Cleanout on bottom duration [hr]			

Operating Rates

Rig Operating Rate(hr)	11.75
Rig Zero Rate(hr)	12.25
Rig Lumpsum Rate(hr)	0.00
Rig Move(hr)	0.00
Stdbby wo Crew(hr)	0.00
Stdbby w Crew(hr)	0.00
Plan Prev Maint(hr)	0.00
Rig Repair Rate(hr)	0.00

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's

EP WELLS DAILY OPERATIONS REPORT

Report 8

26/01/2021

Well Jordan_8
Wellbore Jordan_8

LWC RWC MTC FAC Last casing pressure test	3/10/2016 31/01/2020 20/08/2020 26/01/2021	1,576 361 159	PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie	20/08/2020	159	Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	2050
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Safety Comments:

Morning TBM and gas test 0% LEL
TBM RIH protest packer
TBM pump cement
TBM RD injector
AAR

Process Safety/Marine Assurance

Equipment 1 desc. Equipment 2 desc. Equipment 3 desc. Topic Loss control incident	Other1 Other2 Other3	Keyword(S) Equip 1 hours Equip 2 hours Equip 3 hours Equipment 1 days
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HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection			3
Last BOP function test	21/01/2021	5	7
Last BOP Test	21/01/2021	5	
Next BOP Test	28/01/2021		

Operations Summary

24 Hour Summary
SDFN WOD. RIH w/ Protest packer to 381 mKB and attempt to test top of cement, test failed. Unseat and reset packer at 391 mKB and PT cement top to 250/2050 psi for 5/10 mins. Good test. Run cement stinger, tag TOC at 407.2 mKB with 7klbs down. Pump 35.2 bbls of 14.5 ppg cement from 407.2 mKB while POOH at 25 m/min to surface. RD and secure well. SDFN. WOD.
Update Since Report Time
SDFN WOD. 12 hour Ops only
24 Hour Forecast
SDFN WOD. RDMO to Jordan 10, spot equipment, 7 day BOP stump test RU equipment. SDFN WOD.

EP WELLS DAILY OPERATIONS REPORT

Report 8

26/01/2021

Well Jordan_8
Wellbore Jordan_8

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Rig Rate	Description
0:00	5.25	CT	WOD			0	Z	SDFN.
5:15	0.75	CT	WOD			0	Z	Crew traveled from RubyJo to location.
6:00	0.50	CT	TBT			0	O	Gas test 0% LEL and morning TBM.
6:30	0.50	CT	RU			0	O	Pre starts on equipment.
7:00	1.00	CT	RU			0	O	PU injector, MU 5-1/2" ProTest packer and stab onto BOP's.
8:00	0.50	CT	PT			0	O	PT PCE stack 250/3000 psi 5/10 mins - good test.
8:30	2.00	CT	PT			0	O	Opened MV and RIH to 379.9 mKB. Circulate fluid up past packer prior to setting. P/U and pull 16,000lbs tension and set ProTest packer. PT to 250 psi for 5 mins, good test. Increased pressure in stages to 1250 psi and pressure leaking off. No visual surface leaks. Bled off pressure and unseated packer. Moved packer downhole to 381.7 mKB. Circulate fluid up past packer prior to setting. P/U and pull 16,000lbs tension and set ProTest packer. Applied low pressure test to 250 psi - good test. Increase pressure in stages to 1250 psi and pressure leaking off. No visual surface leaks. Bled off pressure and unseated packer.
10:30	0.50	CT	PT			0	O	Discussed forward plan with Brisbane engineering. Decision made to set packer below next casing coupling.
11:00	1.00	CT	PT			0	O	Unseated packer and RIH to 391.5 mKB. Circulate fluid up past packer prior to setting. P/U and pull 16,000lbs tension and set ProTest packer. PT to 250 psi for 5 mins, good test. Increased pressure in stages to 2050psi for the high test. Held for 10mins - good test. Bled off pressure and unseated packer. POOH
12:00	1.00	CT	HBH			0	O	Closed MV and recovered packer - packer in good condition. MU cement stinger and stab onto BOP.
13:00	1.00	CT	PT			0	O	PT PCE stack 250/3000 psi 5/10 mins - good test. Inflow test DCVA - good test.
14:00	0.50	CT	CMP			0	O	Opened master and RIH with cement stinger string to 407.2 mKB and tag fill with 7000lbs down.
14:30	0.25	CT	TBT			0	O	TBT on pumping cement job.
14:45	0.50	CT	CMP			0	O	Mixed cement and confirmed line up and verified cement at 14.5ppg. Picked up 1m and circulate 2bbls.
15:15	0.75	CT	CMP			0	O	Commenced cement job and pumped 35 bbls of 14.5ppg cement, displace CT with 10 bbls of flush all while pulling out of hole at 25m/min to surface. Flushed surface tree and BOP's. Note - pumped 32 bbls of cement and cement head appeared to pack off. Shut down pumps and stop CT to rectify, continue pumping/POOH after 5 mins delay. Note; 3 x cement samples collected during operation.
16:00	0.75	CT	HBH			0	O	Break out lubricator inspect tools. Tools in good condition.
16:45	0.75	CT	RD			0	O	RD and secured well.
17:30	0.25	CT	TBT			0	O	AAR with crew members.
17:45	0.75	CT	WOD			0	Z	Crew returned to RubyJo Camp. SDFN.
18:30	5.50	CT	WOD			0	Z	SDFN. WOD.
Total	24.00							

Deepest 5 Surveys

MD (m)	Inc. (°)	Azi. (°)	TVD (m)	N/S (m)	E/W (m)	V.Sec (m)	DLeg (°/30m)	Tool
158.00	0.250	0.000				-0.40		
807.00	1.000	0.000				7.08		

RT121-171

File A

37 of 86

EP WELLS DAILY OPERATIONS REPORT

Report 8

26/01/2021

Well Jordan_8
Wellbore Jordan_8

Mud Inventory

Product	Quantity Onboard	Units	Daily Usage
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Personnel

Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Cementing	2		
AusCoil	Coiled Tubing	3		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		8		

Remarks

MOC w/Deviation #11651 received.
Removal of DFCV is included in MOC Deviation #11651.

Released by DES
RTI Act 2009

EP WELLS DAILY OPERATIONS REPORT

Report 9

27/01/2021

Company	Shell EPA Australia (QGC)	Project	JORDAN
Well Type	Appraisal	Tenure	ATP648
Well	Jordan_8		
Wellbore	Jordan_8		
WBS No/API No/UWI	P-0948-EX-CP-DR00-8320 / JDN_WH008.01 / 100000713077	Well Location	27°08'8.815 S 150°40'17.738 E



Event Summary

Event Type	Abandonment	Event Start Date	19/01/2021 00:00	Days on Location	9.00
Objective	Abandonment - Permanent	Event End Date	27/01/2021 08:00		
Est. Days	3.00	Original Spud Date	19/07/2010 16:30		
Work Unit	Intermediate CTU Unit	Contractor	AusCoil		
WSF-ID		Days To Release			
		Rig Release Date	27/01/2021 08:00		
		Rig Phone No.	0429001939		

Well Status

Supervisor		Measured Depth(m)	817.01
Engineer	49-Sch4 - Personal Information	TVD(m)	1,000.67
Other Supervisor		24 Hr Progress(m)	
Depth Ref/Grd Elev/Water Depth(m)	DFE: 341.70 / 338.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Daily Cost	4,717	Next Casing MD	
Actual cost to date/AFE	149,440/0	Current Fluid Density(ppg)	
Actual divided by AFE		LOT/FIT EMW(ppg)	
Days Ahd(-) Bhnd(+)(50/50)		Lithology	
		Formation/MD Top	
Well Risk		Total No of Pills	
PumpRate(trickle) after cleanout[bbls]		Snubbable Completion Run[Y]	
PumpRate (trickle) after LCM		Initial Pump(trickle) Rate(bbl/m)	
Initial Total Solids[ccmpm]		Final Total Solids[ccmpm]	
Reason for cleanout stoppage		LCM Pumped	
Cleanout on bottom duration [hr]			

Operating Rates

Rig Operating Rate(hr)	2.00
Rig Zero Rate(hr)	6.00
Rig Lumpsum Rate(hr)	0.00
Rig Move(hr)	0.00
Stdbby wo Crew(hr)	0.00
Stdbby w Crew(hr)	0.00
Plan Prev Maint(hr)	0.00
Rig Repair Rate(hr)	0.00

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's

EP WELLS DAILY OPERATIONS REPORT

Report 9

27/01/2021

Well Jordan_8
Wellbore Jordan_8

LWC	3/10/2016	1,577	PSI			Safety Cards - Safe	
RWC	31/01/2020	362	NII			Safety Card - Unsafe	
MTC	20/08/2020	160	HPI			SSE%	
FAC	26/01/2021		GOAL ZERO	20/08/2020	160	Last casing pressure(psi)	2050
Last casing pressure test							
DAYS							
PS BARRIER							
EVENT							
PS barrier bowtie							

Safety Comments:

Morning TBM and gas test 0% LEL
TBM rig move

HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill	
Last Derrick Inspection				
Last BOP function test	21/01/2021	6		8
Last BOP Test	21/01/2021	6		
Next BOP Test	28/01/2021			

Operations Summary

24 Hour Summary
SDFN WOD. RD surface lines ND wellhead. RIH plumb bob tag TOC at 1.8 mGL. Load trucks. Rig released to Jordan 10 at 08:00hrs
Update Since Report Time
See JDN 10 report
24 Hour Forecast
See JDN 10 report

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Rig Rate	Description
0:00	5.25	RMO	WOD			0	Z	SDFN. WOD.
5:15	0.75	RMO	WOD			0	Z	Crew travels from Ruby Jo to location.
6:00	0.50	RMO	TBT			0	O	Morning TBM and gas test 0% LEL
6:30	1.25	RMO	RD			0	O	RD surface lines. ND wellhead. RIH plumb bob tag TOC at 1.8 mGL
7:45	0.25	RMO	RD			0	O	Installed fencing and secured location. Rig released to Jordan 10.
Total	8.00							

Deepest 5 Surveys

MD (m)	Inc. (°)	Azi. (°)	TVD (m)	N/S (m)	E/W (m)	V.Sec (m)	DLeg (°/30m)	Tool
158.00	0.250	0.000				-0.40		
807.00	1.000	0.000				7.08		

Mud Inventory

Product	Quantity Onboard	Units	Daily Usage

Personnel

Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Coiled Tubing	3		
AusCoil	Cementing	2		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		8		

Plug and Abandonment Schematic


Jordan 8

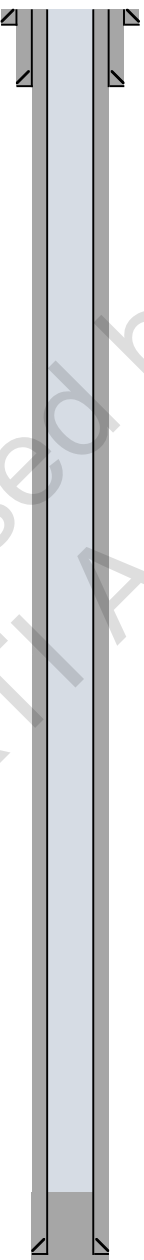
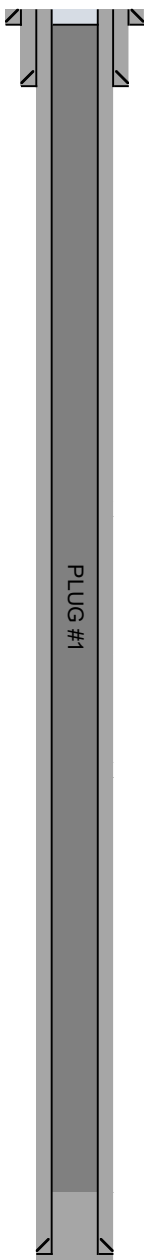


Well Information			Well Configuration		Wellhead	Cement	Logging Runs	Top	Bottom	Actual Abandonment Details		
Well Name: Field: QGC Surat Development Area Well Type Current Status: Drilling Rig Spud Date (ddmm/yy) Authority to Prospect: Latitude (°): Longitude (°): Ground Level (m): Rotary Table (m): Total Depth (Drill / Log, m KB)	Jordan 8 South Appraisal, Vertical Cased and cemented to TD Dies Casing 6 19/07/2010 ATP 648P -21.53782 150.671594 338.69 343.39 817.01 / 817.90	Hole Size 17" Asper 12-1/4" Hole 8-1/2" Hole Casing Conductor: 14" Surface 9-5/8", 36 #, K55, BTC Production: 5-1/2", 15.5#, K55, BTC Top of ECP Other in Hole	10.00 m KB 64.50 m KB 817.01 m KB 10.00 m KB 61.52 m KB 809.68 m KB N/A m KB		5 1/2 casing	Surface: Dies Casing, Grade A, Weight not recorded, 28.3 bbl volume, no data on returns to surface. Production: Head Halliburton, Grade A, 8.6 ppg, 60 bbl volume, cement returns to surface, CBL Tail Halliburton, Grade A, 12.0 ppg, 73.0 bbl volume	GR-334-MPC-MEVA-MSB GR-334 GR-334	5 327 814.2	817.48 814.2	Date of Lower Abandonment Date of Upper Abandonment Isolation Details Internal Verif. External Verif.	Work Unit Release Cement plug #1 tagged and PT. CBL verified by PP	
Version Prepared by Date	1.0 Beresford, N. Smith, L 21/02/2020									Formations to be Isolated Depth (m KB) 1 Springbok SS 438.82 2 Waboon CM 3 4	Comments Surface Abandonment	
Depth m KB m TVD	Azi. +	Dev. +	Well Schematic: Pre-Abandonment		Stratigraphy	Proposed Plug Position	Proposed Abandonment Schematic	Actual Plug Position	Actual Abandonment Schematic			
158.93	158.93	n.d.	0.25	<p>Conductor: 14" 10 m KB</p> <p>Surface: 9-5/8", 36 #, K55, BTC 61.52 m KB 12-1/4" Hole 64.5 m KB</p> <p>Plug Bottom Depth, PBTD -776.00 m KB Note: Tagged w/ Wireline on 06/08/2013</p> <p>Production: 5-1/2", 15.5#, K55, BTC 809.68 m KB 8-1/2" Hole 817.01 m KB</p>	<p>Westbourne Formation Top Depth: surface</p> <p>Springbok Formation Top Depth: 254.38 m KB</p> <p>Upper Juandah Coal Measures Top depth: 438.82 m KB</p> <p>Lower Juandah Coal Measures Top depth: 543.31 m KB</p> <p>Tangalooma Sandstone Top Depth: 640.00 m KB</p> <p>Taroom Coal Measures Top depth: 672.29 m KB</p> <p>Eurombah Formation Top Depth: 791.00 m KB Did not penetrate Hutton Sandstone</p>	<p>Procedure</p> <ol style="list-style-type: none"> Install wellhead RH, tag bottom with 5000lbs, and PF to 500 over LO (1 pass) OR 3000psi due to surface equipment limitations. Set cement plug from TD. Soft tag to confirm TOC <p>Notes:</p> <ul style="list-style-type: none"> tubing head may be installed offline. Any fluid in-between or above isolation plugs must be water-based fluid mixed with biocide and oxygen scavenger. If unable to procure bridge plug, the option to cement from total depth or set plug on top of previous pill may be explored 	<p>PLUG #1</p> <p>PLUG #2</p> <p>PLUG #1</p>	<p>Casing pressure test to 2,000psi failed, refer to eMOCDB 11639 and eMOCDB 11651 for details on the updated P&A plan.</p> <p>Tagged TOC with plumb bob at 1.8 mGL.</p> <p>Pumped 35 bbls of 14.5ppg cement, displace CT with 10 bbls of flush all while pulling out of hole at 25m/min to surface.</p> <p>Tagged cement plug #1 with 7kts @ 402.2mRT</p> <p>Pressure tested cement plug #1 to 2502.050psi for 5/10min (using retrievable packer)</p> <p>Pumped 34 bbls of 14.5ppg cement, displace CT with 10 bbls of flush all while pulling out of hole at 25m/min to 495 mRT</p> <p>Tagged float collar with 5kts @ 796.5mRT</p>	10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900			
Planned Abandonment Approvals The approval below dictates the abandonment design is as per QGC and Code of Practice.			Final Abandonment Approvals The approval below dictates the abandonment design is as per QGC and Code of Practice.			Proposed vs Actual Abandonment Comments						


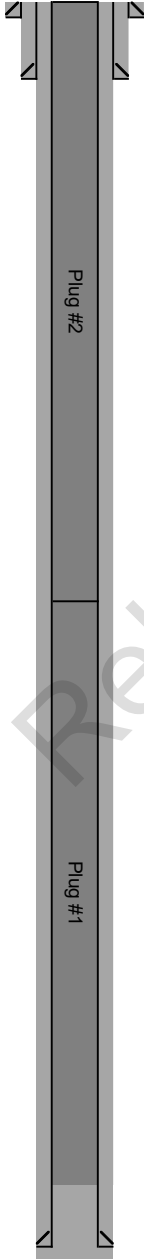
Plug and Abandonment Schematic

Jordan 10

Well Information		Well Configuration		Wellhead	Cement	Logging Runs	Top	Bottom
Well Name: Field: QGC Surat Development Area Well Type Current Status: Drilling Rig Spud Date (dd/mm/yy) Authority to Prospect: Latitude (°): Longitude (°): Ground Level (m): Rotary Table (m): Total Depth (Drill / Log, m KB)	Jordan 10 Jordan SOUTH Appraisal; Vertical Cased and cemented to TD Weatherford Rig 2 12/07/2011 ATP 648P -27.091243 150.684276 339.23 343.23 771.76 / 772.35	Hole Size 17" Auger 10.00 m KB 12-1/4" Hole 65.61 m KB 8-1/2" Hole 771.96 m KB Casing Conductor: 14" 10 m KB Surface: 9-5/8", 36 #, K55, BTC 63.85 m KB Production: 5-1/2", 15.5#, K55, BTC 758.59 m KB Top of ECP m KB Other in Hole		Surface: Wagners: 31.45bbl 13.8ppg. Tag TOC 55m. Production: lead Halliburton 64.6bbls 8.6ppg .36bbls returns. Tail 62.1bbls 12ppg .	GR-MAJ-MPD-MDN-MSS GR-CMI			
Version Prepared by Date 1.0 Beresford, N; Smith, L 5/08/2020						Formations to be Isolated	Depth (m KB)	
						1 Springbok SS	411.45	
						2 Walloon CM		
						3		
						4		

Depth m KB	Azi. °	Dev. °	Current Configuration	Well Schematic: Pre-Abandonment	Stratigraphy	Proposed Plug Position	Proposed Abandonment Schematic
			Conductor: 14" 10 m KB Surface: 9-5/8", 36 #, K55, BTC 63.85 m KB 12-1/4" Hole 65.61 m KB Plug Bottom Depth, PBTD 741.5m KB Note: Tagged w Wireline on 06/08/2013 TD Production: 5-1/2", 15.5#, K55, BTC 758.59 m KB 8-1/2" Hole 771.96 m KB		Westbourne Formation Top Depth: surface Springbok Formation Top Depth: 228.50 m KB Upper Juandah Coal Measures Top depth: 411.45 m KB Lower Juandah Coal Measures Top depth: 493.62 m KB Tangalooma Sandstone Top Depth: 610.01 m KB Taroom Coal Measures Top depth: 625.36 m KB Eurombah Formation Top Depth: 750.36 m KB Did not penetrate Hutton Sandstone	Procedure 1. Install wellhead 2. RTH, tag bottom with 5000lbs. and PT to 500 over LQ (1 psi) OR 3000psi due to surface equipment limitations. 3. Set cement plug from TD. 4. Soft tag to confirm TOC Notes: # Tubing head may be installed offline; # Any fluid in-between or above isolation plugs must be water-based fluid mixed with biocide and oxygen scavenger # If unable to procure bridge plug, the option to cement from total depth or set plug on top of viscous pill may be explored	

Planned Abandonment Approvals	Final Abandonment Approvals
The approval below dictates the abandonment design is as per QGC and Code of Practice.	The approval below dictates the abandonment design is as per QGC and Code of Practice.
Front End P&A Engineer:	Front End P&A Engineer:
Operations P&A Engineer:	Operations P&A Engineer:

		
Actual Abandonment Details		
	Work Unit	Release
Date of Lower Abandonment		
Date of Upper Abandonment		
Isolation Details	Internal Veri.	External Ver.
SSWCM	PBTD weighted tag. PBTD - 376mKB pressure tested	CBL verified by petrophysics
Comments		
Surface Abandonment		
Actual Plug Position	Actual Abandonment Schematic	
<p>Casing pressure test to 2,050psi failed, refer to eMOCD# 11688 for details on the updated P&A plan.</p> <p>Tagged cement plug #2 @ GL.</p> <p>pumped 33 bbls of 14.5 ppg cement while POOH at 25 m/min to surface</p> <p>Tag top of cement plug #1 at 376.6 mRT with 5.2kbs</p> <p>pumped 33 bbls of 14.5 ppg cement while POOH at 25m/min. Displaced CT with 10 bbl of water.</p> <p>RIH set retrievable packer COE at 376.3 mKB. Pressure up tubing and casing below the packer to 250/1920 psi 5/10 minutes, good test Tagged PBTD at 748.7 mRT with 5.2kbs.</p>		
Proposed vs Actual Abandonment Comments		
Abandonment as designed		

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EP WELLS DAILY OPERATIONS REPORT

Report 1

27/01/2021

Company	Shell EPA Australia (QGC)	Project	JORDAN
Well Type	Appraisal	Tenure	ATP648
Well	Jordan_10		
Wellbore	Jordan_10		
WBS No/API No/UWI	P-0948-EX-CP-DR00-8318 / JDN_WH010.01 / 100000718538	Well Location	27°05'28.474 S 150°41'3.394 E



Event Summary

Event Type	Abandonment	Event Start Date	27/01/2021 08:00	Days on Location	
Objective	Abandonment - Permanent	Event End Date			
Est. Days	3.00	Original Spud Date	12/07/2011 17:30		
Work Unit	Intermediate CTU Unit	Contractor	AusCoil		
WSF-ID		Days To Release			
		Rig Release Date			
		Rig Phone No.	0419568243		

Well Status

Supervisor		Measured Depth(m)	
Engineer	49-Sch4 - Personal Information	TVD(m)	
Other Supervisor		24 Hr Progress(m)	
Depth Ref/Grd Elev/Water Depth(m)	DFE: 343.00 / 339.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Daily Cost	13,584	Next Casing MD	
Actual cost to date/AFE	13,584/	Current Fluid Density(ppg)	
Actual divided by AFE		LOT/FIT EMW(ppg)	
Days Ahd(-) Bhnd(+)(50/50)		Lithology	
		Formation/MD Top	
Well Risk		Total No of Pills	
PumpRate(trickle) after cleanout[bbls]		Snubbable Completion Run[Y]	
PumpRate (trickle) after LCM		Initial Pump(trickle) Rate(bbl/m)	
Initial Total Solids[ccmpm]		Final Total Solids[ccmpm]	
Reason for cleanout stoppage		LCM Pumped	
Cleanout on bottom duration [hr]			

Operating Rates

Rig Operating Rate(hr)	2.00
Rig Zero Rate(hr)	8.00
Rig Lumpsum Rate(hr)	0.00
Rig Move(hr)	6.00
Stdbby wo Crew(hr)	0.00
Stdbby w Crew(hr)	0.00
Plan Prev Maint(hr)	0.00
Rig Repair Rate(hr)	0.00

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's

EP WELLS DAILY OPERATIONS REPORT

Report 1

27/01/2021

Well Jordan_10
Wellbore Jordan_10

LWC RWC MTC FAC Last casing pressure test	3/10/2016 31/01/2020 20/08/2020	1,577 362 160	PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie	20/08/2020	160	Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)
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Safety Comments:

WSSI for newly arrived crew members.
TBM on stump testing BOP.
DROPS Survey Conducted.

HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill	2
Last Derrick Inspection				
Last BOP function test	27/01/2021	0		
Last BOP Test	27/01/2021	0		
Next BOP Test	3/02/2021			

Operations Summary

24 Hour Summary
AusCoil Crew change. RDMO all CT equipment from Jordan 8 to Jordan 10 (7kms). Gas test 0% LEL. Completed WSSI. MIRU. Stump Test and function BOP rams. Rig in surface lines. Test ESD's . SDFN WOD.
Update Since Report Time
SDFN WOD
24 Hour Forecast
SDFN WOD. RU injector and pressure test surface PCE. PT casing to 1920 psi. RIH CT and tag PBTD. Spot cement to surface. WOC RDMO. SDFN

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Rig Rate	Description
8:00	1.00	RMI	RM			0	RM	Crew Change on site. Held pre move safety meeting with crew. Discussed hazards along route and lines of communication. Discussed any external hazards that could effect rig move.
9:00	1.00	RMI	RM			0	RM	Moved equipment from Jordan 8 to Jordan 10 (7kms). Gas tested wellhead area = 0%LEL.
10:00	0.25	RMI	TBT			0	RM	Completed WSSI with all personnel & TBT spotting equipment.
10:15	1.00	RMI	RU			0	RM	Removed well fencing. Spotted CTU unit, cement bulker, pump truck & office shack into position.
11:15	0.25	RMI	TBT			0	RM	TBT stump test BOP.
11:30	1.50	RMI	PT			0	RM	Stump tested BOP - PT blind shear 250/3000 psi for 5/10 min good test. PT pipe slips 250/3000 psi for 5/10 min good test.
13:00	0.50	CT	RU			0	RM	Cleaned up existing threads. Installed 7-1/16" flow cross and frac valve on 5-1/2" 15.5# Butress tubing stump. Installed BOP to frac valve .
13:30	0.50	CT	RU			0	RM	Function tested ESD - good test. Rig accepted.
14:00	1.00	CT	RU			0	O	RU surface lines from wellhead, choke manifold, cement unit, CT unit & flow tee.
15:00	0.50	CT	PT			0	O	Conducted BOP function test. Function test Blind shear 8 seconds to close and 8 seconds to open. Function test pipe slips 8 seconds to close and 8 seconds to open.
15:30	0.50	CT	TBT			0	O	Conducted AAR with crew.
16:00	0.75	CT	WOD			0	Z	Secure location and travel to RubyJo camp.
16:45	7.25	CT	WOD			0	Z	SDFN WOD
Total	16.00							

EP WELLS DAILY OPERATIONS REPORT

Report 1

27/01/2021

Well Jordan_10
Wellbore Jordan_10

Mud Inventory

Product	Quantity Onboard	Units	Daily Usage
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Personnel

Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Coiled Tubing	3		
AusCoil	Cementing	2		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		8		

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EP WELLS DAILY OPERATIONS REPORT

Report 2

28/01/2021

Company	Shell EPA Australia (QGC)	Project	JORDAN
Well Type	Appraisal	Tenure	ATP648
Well	Jordan_10		
Wellbore	Jordan_10		
WBS No/API No/UWI	P-0948-EX-CP-DR00-8318 / JDN_WH010.01 / 100000718538	Well Location	27°05'28.474 S 150°41'3.394 E



Event Summary

Event Type	Abandonment	Event Start Date	27/01/2021 08:00	Days on Location	1.00
Objective	Abandonment - Permanent	Event End Date			
Est. Days	3.00	Original Spud Date	12/07/2011 17:30		
Work Unit	Intermediate CTU Unit	Contractor	AusCoil		
WSF-ID		Days To Release			
		Rig Release Date			
		Rig Phone No.	0419568243		

Well Status

Supervisor	49-Sch4 - Personal Information	Measured Depth(m)	
Engineer		TVD(m)	
Other Supervisor		24 Hr Progress(m)	
Depth Ref/Grd Elev/Water Depth(m)		Hole size(in)	
THF Datum			
Daily NPT(hr/%)	7.25/30.21	Last Casing MD	
Daily Cost	18,538	Next Casing MD	
Actual cost to date/AFE	32,122/	Current Fluid Density(ppg)	
Actual divided by AFE		LOT/FIT EMW(ppg)	
Days Ahd(-) Bhnd(+)(50/50)		Lithology	
		Formation/MD Top	
Well Risk		Total No of Pills	
PumpRate(trickle) after cleanout[bbls]		Snubbable Completion Run[Y]	
PumpRate (trickle) after LCM		Initial Pump(trickle) Rate(bbl/m)	
Initial Total Solids[ccmpm]		Final Total Solids[ccmpm]	
Reason for cleanout stoppage		LCM Pumped	
Cleanout on bottom duration [hr]			

Operating Rates

Rig Operating Rate(hr)	10.25
Rig Zero Rate(hr)	13.75
Rig Lumpsum Rate(hr)	0.00
Rig Move(hr)	0.00
Stdbby wo Crew(hr)	0.00
Stdbby w Crew(hr)	0.00
Plan Prev Maint(hr)	0.00
Rig Repair Rate(hr)	0.00

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's

EP WELLS DAILY OPERATIONS REPORT

Report 2

28/01/2021

Well Jordan_10
Wellbore Jordan_10

LWC RWC MTC FAC Last casing pressure test	3/10/2016 31/01/2020 20/08/2020	1,578 363 161	PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie	20/08/2020	161	Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)
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Safety Comments:
TBM on pressure testing PCE and casing.
TBM on pull testing connector.
AAR with crew.

Process Safety/Marine Assurance

Equipment 1 desc. Equipment 2 desc. Equipment 3 desc. Topic Loss control incident	Other1 Other2 Other3	Keyword(S) Equip 1 hours Equip 2 hours Equip 3 hours Equipment 1 days
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HSE Drills

Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill
Last Derrick Inspection			2
Last BOP function test	27/01/2021	1	1
Last BOP Test	27/01/2021	1	
Next BOP Test	3/02/2021		

Operations Summary

24 Hour Summary
SDFN WOD. MU Injector Head to BOP and PT surface lines and PCE. RIH cmt stinger to 10 mKB and attempt to test casing, pressure leaking off. Discuss ops with Brisbane, wait on eMOCD. Cut CT and fit new connector, pull test same to 40klbs. PT connector to 250 / 5000psi. RD Secure well. SDFN WOD.

Update Since Report Time
SDFN WOD. 12 hr Ops only

24 Hour Forecast
SDFN WOD. RU PT surface PCE. Run RBP to 50m. PT casing to 250/820psi. POOH. Run RBP to 318mKB PT casing. Run cement stinger tag PBTD, circulate bottoms up, pump cement plug #1 to 318 mKB. POOH RD SDFN WOC WOD.

EP WELLS DAILY OPERATIONS REPORT

Report 2

28/01/2021

Well Jordan_10
Wellbore Jordan_10

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Rig Rate	Description
0:00	5.25	CT	WOD			0	Z	SDFN WOD
5:15	0.75	CT	WOD			0	Z	Crew traveled from RubyJo Camp to location.
6:00	0.50	CT	RU			0	O	Gas test 0% LEL and morning TBM.
6:30	0.50	CT	RU			0	O	Pre starts on equipment.
7:00	0.75	CT	RU			0	O	PU CT Injector and MU riser section below stuffing box. MU cement stringer BHA c/w DCVA. MU Injector Head on BOP.
7:45	0.50	CT	PT			0	O	PT surface PCE and flow lines to choke manifold against closed master valve to 250/3000 psi - good test. Bled off pressure to 2000psi in system. Bled off pressure in coiled tubing to 0psi and inflow test DCVA for 5 mins. Good test. Bled off residual pressure in lines.
8:15	1.00	CT	PT			0	O	Opened master valve RIH w/ CT cement stinger to 10mKB. Topped up well with 1.5 bbls of produced water. Commenced PT of casing string to 250psi. Good test. Attempt to pressure up wellbore in stages to 1920psi, at ~ 970psi well took fluids. Stopped pumping and inspected all surface lines, no visual leaks observed. Well bled down to 470psi over 6 minutes while checking lines. Commenced pumping at 0.3bpm and max pressure achieved 970psi before well began to take fluids. Pumped 0.6bbls and shut down pump. Pressure leaked off to 261psi in 15 minutes with pumps off.
9:15	0.50	CT	PT			0	O	Re-test surface PCE and flow lines to choke manifold against closed master valve to 250/3000 psi - good test.
9:45	0.25	CT	PT			1	O	Discuss operations with Brisbane engineering.
10:00	6.00	CT	PT			1	O	Wait on MOC for remedial operations. Meanwhile - cut 1.81m of CT and prep end for new connector.
16:00	0.25	CT	PT			1	Z	Received approved eMOC.
16:15	0.50	CT	PT			1	Z	Protest packer and TEC arrived, inspected and recorded OD's and ID's. Install and pull test TEC to 40klbs. Good test. PT CT connector to 250/5000psi for 5/10 mins. Good test.
16:45	0.25	CT	RD			1	Z	RD secure equipment.
17:00	0.25	CT	SM			0	O	AAR with Crew
17:15	0.75	CT	WOD			0	Z	Crew traveled location to RubyJo camp.
18:00	6.00	CT	WOD			0	Z	SDFN WOD
Total	24.00							

NPT Summary

Start Date/Time	End Date/Time	Responsible Company	NPT Code	Failure MD (m)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
28/01/2021 9:45AM	28/01/2021 4:00PM	QGC	Casing/Liner/Hanger		PT	N		6.25	6.25		CLOSED
Description: While attempting to pressure test casing to 1920psi, unable to achieve required pressure as fluid passing through unknown leak path down hole. eMOC required for change of program.						Title: Failed Casing Pressure Test					
28/01/2021 4:00PM	28/01/2021 5:00PM	AusCoil	Wait On Equipment/Materials		PT	N		1.00	1.00		CLOSED
Description: Waiting on CT equipment arrival from various locations.						Title: Wait on Equipment					
Total								7.25	7.25		

Mud Inventory

Product	Quantity Onboard	Units	Daily Usage
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RTI 21-171

File A

49 of 86

EP WELLS DAILY OPERATIONS REPORT

Report 2

28/01/2021

Well Jordan_10
Wellbore Jordan_10

Personnel				
Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Cementing	2		
AusCoil	Coiled Tubing	3		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		8		

Remarks
MOC w/ Deviation #11688 received for failed casing SIT. Removal of DFCV is included in MOC Deviation #11688

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EP WELLS DAILY OPERATIONS REPORT

Report 3

29/01/2021

Company	Shell EPA Australia (QGC)	Project	JORDAN
Well Type	Appraisal	Tenure	ATP648
Well	Jordan_10		
Wellbore	Jordan_10		
WBS No/API No/UWI	P-0948-EX-CP-DR00-8318 / JDN_WH010.01 / 100000718538	Well Location	27°05'28.474 S 150°41'3.394 E



Event Summary

Event Type	Abandonment	Event Start Date	27/01/2021 08:00	Days on Location	2.00
Objective	Abandonment - Permanent	Event End Date			
Est. Days	3.00	Original Spud Date	12/07/2011 17:30		
Work Unit	Intermediate CTU Unit	Contractor	AusCoil		
WSF-ID		Days To Release			
		Rig Release Date			
		Rig Phone No.	0419568243		

Well Status

Supervisor	49-Sch4 - Personal Information	Measured Depth(m)
Engineer		TVD(m)
Other Supervisor		24 Hr Progress(m)
Depth Ref/Grd Elev/Water Depth(m)		Hole size(in)
THF Datum	DFE: 343.00 / 339.00	
Daily NPT(hr/%)	0/0	Last Casing MD
Daily Cost	26,087	Next Casing MD
Actual cost to date/AFE	56,277/	Current Fluid Density(ppg)
Actual divided by AFE		LOT/FIT EMW(ppg)
Days Ahd(-) Bhnd(+)(50/50)		Lithology
		Formation/MD Top
Well Risk		Total No of Pills
PumpRate(trickle) after cleanout[bbls]		Snubbable Completion Run[Y]
PumpRate (trickle) after LCM		Initial Pump(trickle) Rate(bbl/m)
Initial Total Solids[ccmpm]		Final Total Solids[ccmpm]
Reason for cleanout stoppage		LCM Pumped
Cleanout on bottom duration [hr]		

Operating Rates

Rig Operating Rate(hr)	10.25
Rig Zero Rate(hr)	13.75
Rig Lumpsum Rate(hr)	0.00
Rig Move(hr)	0.00
Stdbby wo Crew(hr)	0.00
Stdbby w Crew(hr)	0.00
Plan Prev Maint(hr)	0.00
Rig Repair Rate(hr)	0.00

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's

EP WELLS DAILY OPERATIONS REPORT

Report 3 29/01/2021

Well Jordan_10
Wellbore Jordan_10

LWC RWC MTC FAC Last casing pressure test	3/10/2016 31/01/2020 20/08/2020	1,579 364 162	PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie	20/08/2020	162	Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)
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Safety Comments:
Morning TBM
TBM lift injector.
Third party lifting equipment inspections.
TBM pump cement

HSE Drills				
Drills/Tests	Date	Days Since Last	JSA's/Toolbox Talks Days Since Last Drill	
Last Derrick Inspection				3
Last BOP function test	27/01/2021	2		2
Last BOP Test	27/01/2021	2		
Next BOP Test	3/02/2021			

Operations Summary	
24 Hour Summary	
SDFN WOD.MU J-latch packer BHA. PT surface equipment. RIH set packer at 45.18 mKB. PT packer x casing 820 psi. Good test. RIH set packer COE 376.3 mKB. PT casing below packer 250/1920 psi good test. POOH packer MU cmt stinger BHA RIH tag fill at 741.5 mKB wash down to PBTD at 748.7 mKB. Hard tag with 5200 lbs. Circulated bottoms up with clean returns.Pump cement plug #1 33 bbl of 14.5 ppg cmt while POOH at 25 m/min. Wash up cmt equipment WOC. SDFN WOD	
Update Since Report Time	
SDFN WOD 12hr ops only.	
24 Hour Forecast	
SDFN WOD. RIH cmt stinger tag TOC with 5klbs. Pump cement plug 2. Tag TOC RDMO to Poppy 2.	

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EP WELLS DAILY OPERATIONS REPORT

Report 3

29/01/2021

Well Jordan_10
Wellbore Jordan_10

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Rig Rate	Description
0:00	5.25	CT	WOD			0	Z	SDFN WOD
5:15	0.75	CT	WOD			0	Z	Crew travels from Ruby Jo to location.
6:00	0.50	CT	TBT			0	O	Morning TBM and gas test 0% LEL.
6:30	0.75	CT	RU			0	O	Pre starts on equipment. Third party lifting equipment inspector checking injector slings and lifting equipment.
7:15	0.50	CT	HBH			0	O	MU J-latch packer BHA. Checked ID's OD's. Packer has 2 x steel and 1 brass shear screw. Total shear force 31000 lbs. Mechanical disconnect is pinned with 6 brass screws 39000 lbs to shear. TEC has been pull tested to 40000 lbs.
7:45	0.25	CT	HBH			0	O	Lift injector stab lubricator. Torque up packer BHA.
8:00	0.50	CT	PT			0	O	Stab lubricator onto BOP. PT surface lines 250/3000 psi 5/10 minutes.
8:30	0.75	CT	PT			0	O	Opened MV RIH J-latch packer set COE at 45.18 mKB. PT casing 250/820 psi 5/10 minutes good test.
9:15	0.75	CT	PT			0	O	Bleed down pressure RIH set COE at 376.3 mKB. Pressure up tubing and casing below the packer to 250/1920 psi 5/10 minutes. Good test
10:00	0.75	CT	TO			0	O	POOH CT shut in MV unstab lubricator break out packer.
10:45	0.25	CT	HBH			0	O	MU cmt stinger BHA c/W DCVA. Stab lubricator.
11:00	0.50	CT	PT			0	O	PT surface stack 250/3000 psi. 5/10 minutes good test. Inflow test on DCVA good test.
11:30	0.25	CT	TBT			0	O	TBM pump cement.
11:45	1.25	CT	TI			0	O	Opened MV RIH cmt stinger tag fill at 741.5 mKB wash down to PBTD at 748.7 mKB. Hard tag with 5200 lbs. Circulated bottoms up with clean returns.
13:00	1.50	CT	CMC			0	O	Mixed and pumped 33 bbls of 14.5 ppg cement while POOH at 25 m/min. Displaced CT with 10 bbl of water. Parked CT at 374.5 mKB circulated 13 bbls, begin POOH pumping at 3 bpm.
14:30	1.25	CT	RD			0	O	Shut in MV. Unstab lubricator inspected tools. Installed night cap. Wash up cmt equipment.
15:45	0.50	CT	TBT			0	O	AAR with crew
16:15	0.75	CT	WOD			0	Z	Crew travels from location to Ruby Jo.
17:00	7.00	CT	WOD			0	Z	SDFN WOD
Total	24.00							

Mud Inventory

Product	Quantity Onboard	Units	Daily Usage

Personnel

Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Coiled Tubing	3		
AusCoil	Cementing	2		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		8		

Remarks

MOC w/ Deviation #11688 received for failed casing SIT.
Removal of DFCV is included in MOC Deviation #11688

EP WELLS DAILY OPERATIONS REPORT

Report 4

30/01/2021

Company	Shell EPA Australia (QGC)	Project	JORDAN
Well Type	Appraisal	Tenure	ATP648
Well	Jordan_10		
Wellbore	Jordan_10		
WBS No/API No/UWI	P-0948-EX-CP-DR00-8318 / JDN_WH010.01 / 100000718538	Well Location	27°05'28.474 S 150°41'3.394 E



Event Summary

Event Type	Abandonment	Event Start Date	27/01/2021 08:00	Days on Location	4.00
Objective	Abandonment - Permanent	Event End Date	30/01/2021 14:34		
Est. Days	3.00	Original Spud Date	12/07/2011 17:30		
Work Unit	Intermediate CTU Unit	Contractor	AusCoil		
WSF-ID		Days To Release			
		Rig Release Date	30/01/2021 14:30		
		Rig Phone No.	0400209895		

Well Status

Supervisor	49-Sch4 - Personal Information	Measured Depth(m)	
Engineer		TVD(m)	
Other Supervisor		24 Hr Progress(m)	
Depth Ref/Grd Elev/Water Depth(m)		Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Daily Cost	18,738	Next Casing MD	
Actual cost to date/AFE	75,015/	Current Fluid Density(ppg)	
Actual divided by AFE		LOT/FIT EMW(ppg)	
Days Ahd(-) Bhnd(+)(50/50)		Lithology	
		Formation/MD Top	
Well Risk		Total No of Pills	
PumpRate(trickle) after cleanout[bbbls]		Snubbable Completion Run[Y]	
PumpRate (trickle) after LCM		Initial Pump(trickle) Rate(bbblm)	
Initial Total Solids[ccmpm]		Final Total Solids[ccmpm]	
Reason for cleanout stoppage		LCM Pumped	
Cleanout on bottom duration [hr]			

Operating Rates

Rig Operating Rate(hr)	8.50
Rig Zero Rate(hr)	6.00
Rig Lumpsum Rate(hr)	0.00
Rig Move(hr)	0.00
Stdby wo Crew(hr)	0.00
Stdby w Crew(hr)	0.00
Plan Prev Maint(hr)	0.00
Rig Repair Rate(hr)	0.00

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's

EP WELLS DAILY OPERATIONS REPORT

Report 4 30/01/2021

Well Jordan_10
Wellbore Jordan_10

LWC RWC MTC FAC Last casing pressure test	3/10/2016 31/01/2020 20/08/2020	1,580 365 163	PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie	20/08/2020	163	Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)
---	---------------------------------------	---------------------	--	------------	-----	--

Safety Comments:
Morning TBM
Site visit from HSSE and WOFL.
TBM for pumping Cement.
HSSE conducted site audit.
TBM for rigging down and move to next location

Process Safety/Marine Assurance			
Equipment 1 desc. Equipment 2 desc. Equipment 3 desc. Topic Loss control incident	Other1 Other2 Other3	Keyword(S) Equip 1 hours Equip 2 hours Equip 3 hours Equipment 1 days	

HSE Drills				
Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	3
Last BOP function test	27/01/2021	3	Days Since Last Drill	3
Last BOP Test	27/01/2021	3		
Next BOP Test	3/02/2021			

Operations Summary	
24 Hour Summary	
SDFN WOD RU injector RIH cmt stinger BHA c/w DCVA. Tag TOC at 376.6 mKB. Mixed and pumped 33 bbl of 14.5 ppg cmt while POOH at 25 m/min with returns to surface. Flushed surface tree and BOP. HSSE conducted site audit. Tagged TOC at GL. RD and move to Poppy 2.	
Update Since Report Time	
See Poppy 2 report.	
24 Hour Forecast	
See Poppy 2 report.	

EP WELLS DAILY OPERATIONS REPORT

Report 4

30/01/2021

Well Jordan_10
Wellbore Jordan_10

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (m)	NPT level	Rig Rate	Description
0:00	5.25	CT	WOD			0	Z	SDFN WOD
5:15	0.75	CT	WOD			0	Z	Crew traveled from RubyJo Camp to location
6:00	0.25	CT	TBT			0	O	Morning TBM and gas test 0% LEL.
6:15	0.50	CT	RU			0	O	Pre starts on equipment. Remove night cap from BOP
6:45	0.75	CT	RU			0	O	PU Injector head and MU section of lubricator and cement stinger BHA.
7:30	0.50	CT	PT			0	O	Stab lubricator onto BOP. PT surface lines and PCE stack 250/3000 psi 5/10 minutes. Test good. Bled down to 2000psi and Inflow test DCVA for 5 mins. Test good
8:00	0.50	CT	TI			0	O	Opened MV RIH cmt stinger tag TOC at 376.6 mKB. Hard tag with 5200 lbs.
8:30	0.25	CT	TBT			0	O	TBT pumping cement.
8:45	1.75	CT	CMP			0	O	Displaced CT with 10 bbl of water. Mixed and pumped 33 bbls of 14.5 ppg cement while POOH at 25 m/min. Parked CT at surface circulated 10 bbls of fresh water and flushed across BOP and surface tree. Note; OCR verified density of cement prior to pumping. 3 x cement samples collected during operation.
10:30	0.50	CT	RD			0	O	Close MV and remove Injector head and BO cement stinger BHA.
11:00	2.50	CT	RD			0	O	RD remaining CT equipment & prepare to move to Poppy 2. Dispatch vac tanker to Kenya to dispose of cement waste.
13:30	1.00	CT	SM			0	O	HSSE conducted site audit on operations. Tagged TOC at GL. Rig Released to Poppy 02
Total	14.50							

Mud Inventory

Product	Quantity Onboard	Units	Daily Usage

Personnel

Company	Service	No. of people	Base Complement	Reason for Deviation
AusCoil	Coiled Tubing	3		
AusCoil	Cementing	2		
QGC	OCR	2		
SSQ Water Haulage	Trucking	1		
Total		8		

Remarks

MOC w/ Deviation #11688 received for failed casing SIT.
Removal of DFCV is included in MOC Deviation #11688

Potential or Actual Loss of Well Integrity – DES

Email to: Environment-Superintendent@shell.com & SDA-Environment-Admin@shell.com
GX-QGC-CIC-Well-Engineering-HSSE@shell.com & QGC-Wellintegrity@shell.com

EA number and name (Compliance Team):

Jordan EA EPPG00889613

Incident Location:

- a) Tenure: PL442
- b) GPS code: -27.09124 150.68428
- c) Lot/plan: 8DY117
- d) Field name: Jordan
- e) Asset name: Jordan 10

Date and time of incident

- a) Date: 28/01/2021
- b) Time: 08:35

Date and time the holder of the EA became aware of the incident

- a) Date: 28/01/2021
- b) Time: 12:40

FIM Number:

Incident description (brief statement):

JDN 010 is to be permanently abandoned. The abandonment process required a casing pressure test prior to pumping cement into the well. This pressure test failed. Details below.

Run In Hole with Coil Tubing (CT) cement stinger to 10mKB. Topped up well with 1.5 bbls of produced water. Commenced pressure testing (PT) of casing string to 250psi. Good test. Attempt to pressure up wellbore in stages to 1920psi as per program, at approximately 970psi the well began taking fluid. Stopped pumping and inspected all surface lines, no visual leaks observed. Well bled down to 470psi over 6 minutes while checking lines. Commenced pumping at 0.3bpm and max pressure achieved 970psi before well began to take fluids. Pumped 0.6bbls and shut down pump. Pressure leaked off to 261psi in 15 minutes after pumps were stopped.

Immediate Action taken:

CT was pulled out of hole and master valve closed.

Current status of the well site:

The well has been isolated with the following barriers downhole:

- 5-1/2" K55 15.5ppf casing is set from 758.18m RT to surface.
- Well is full of produced water to surface.
- Casing has not been perforated.

The well operations are now suspended, waiting on a test packer to determine location of leak.



Submission ID: 31740091

Submission date: 29 Jan 2021 4:03:38 PM

Certificate number: 36R8YAST

Getting started

Important information

The operator of certain operating plants may need to provide safety information under the Petroleum and Gas (Safety) Regulation 2018.

Examples of safety information include:

- Reportable leaks under the Code of Practice for leak management, detection and reporting for petroleum operating plant
- Failure to achieve cementing objectives under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Alternate means of compliance under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Well integrity issue under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Other safety information about operating plant (as requested)

Instructions for use

If you are submitting information for an operating plant please use the specific details for that plant.

If you are submitting information for multiple operating plant on a petroleum tenure (e.g. multiple petroleum wells on a petroleum tenure), please use the details for the authorised activity operating plant (i.e. the authority that authorises the operating plant such as an ATP, PL, PFL etc.) and attach supporting information providing the required safety information for each plant on the tenure.

Once you complete the form you can download a copy of the submission for your records. The owner, operator or proposed operator must keep the record for the life of the plant or otherwise for at least 7 years.

Operating plant details

Category

Category *

Petroleum wells

Sub category *

CSG wells

Operator

Name of operator of operating plant (individual or corporation) *

QGC Pty Limited

ACN/ARBN (corporations only)

089642553

Name of operating plant

Name of operating plant *

Petroleum Gas Well Jordan 010

Location of operating plant

Note: Please use the proper address of the parcel of land on which the operating plant is located and the GPS coordinates for the specific location of the operating plant (for mobile plant, please use the GPS coordinates of the base of operations). The [Queensland Government's Geocoder](#) can help you identify address and geocode details.

Released by DES
RTI Act 2009

Address (or base of operations for mobile plant)

Address Line 1 *

Fairfield

Address Line 2

Suburb *

Kogan

State *

QLD

Postcode *

4406

Country

AUSTRALIA

GPS coordinates

Latitude Decimal degrees *

-27.09124

e.g. -27.468542

Longitude Decimal degrees *

150.68428

e.g. 153.022411

Tenure

Tenure type and number

e.g. ATP 0123, PL 1234, PFL
PL 442

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RTI Act 2009

Safety information

Information details

- Reportable leaks under the Code of Practice for leak management, detection and reporting for petroleum operating plant
- Failure to achieve cementing objectives under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Alternate means of compliance under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Well integrity issue under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Other safety information about operating plant

Information being reported

You must report any safety information required for operating plant under the Petroleum and Gas (Safety) Regulation 2018 here. Please provide a summary here and upload any additional information in the Attachment section below.

Safety information being reported *

Jordan 010 failed pressure test prior to abandonment

Note: Records relating to safety management at operating plant should be retained for the life of the plant and may be subject to inspection or audit by an inspector.

Was this information initially reported by telephone *

Yes

No

Attachments

Note: Upload the attachments only by using the "Click to upload" button

File:

JDN_010_2021-01-28_CT_Failed_Casing_SIT Report.docx

Please attach any supporting documents (e.g. letters, reports, technical submissions, maps, photos or other documents).

Declaration

Declaration

- I declare that the information provided in this form is true and correct to the best of my knowledge and belief at the time of submission. *

Signature

- I acknowledge Queensland State Laws will accept this communication as containing the above person's authority within the meaning of the *Electronic Transactions (Queensland) Act 2001* *

[Electronic Transactions \(Queensland\) Act 2001 \(PDF\)](#)

Full name of operator if an individual (or authorised representative for a corporation) *

Sch4 - Personal Informa

Date signed *

29 Jan 2021

Phone number *

0730248071

Email address (a copy of this submission will be emailed to you) *

49-Sch4 - Personal Information

Privacy statement

Resources Safety and Health Queensland collects personal information from you, including information about your name, address, email address, telephone number, date of birth, qualifications, experience and other information. We collect this information to for the purpose of administering and regulating safety in the petroleum and fuel gas industry in Queensland. The *Petroleum and Gas (Production and Safety) Act 2004* allows or authorises us to collect this personal information. Your information may be shared with other State and Territory Regulators. We will only use your information for this purpose. It will otherwise not be used or disclosed unless authorised or required by law. Your personal information will be handled in accordance with the Information Privacy Act 2009.

Form number PG-OPSI - Version 1.4

Information security classification: Commercial in confidence (once filled out)

Released by DES
RTI Act 2009

Adrien Camilleri

From: SCOTT Michael (RSHQ)
Sent: Wednesday, 17 February 2021 11:37 AM
To: [REDACTED] 49-Sch4 - Personal Information
Cc: [REDACTED] ch4 - Personal Inform; SDA-Environment-Admin@shell.com; [REDACTED] 49-Sch4 - Personal Information
[REDACTED] 49-Sch4 - Personal Information
Subject: RE: QGC Notification Information for Jordan 8 and Jordan 10

[REDACTED] H4 - Personal Info

Thank you for the additional information. The notification for both wells has been closed in our system.

Regards

Michael

From: [REDACTED] 49-Sch4 - Personal Information
Sent: Friday, 12 February 2021 10:12 AM
To: SCOTT Michael (RSHQ)
Cc: [REDACTED] ch4 - Personal Inform; SDA-Environment-Admin@shell.com; [REDACTED] 49-Sch4 - Personal Information
Subject: QGC Notification Information for Jordan 8 and Jordan 10

Dear Michael,

Please find information attached to answer your queries on Jordan 8 and Jordan 10:

1. Jordan 8 Daily Reports for subsurface abandonment
2. Jordan 10 Daily Reports for subsurface abandonment
3. Schematics for both wells

Jordan 8

The Auscoil intermediate capacity coiled tubing unit was mobilized to the wellsite to conduct the P&A operation. Upon rigging up all surface equipment and BOP, all pressure control equipment was successfully tested, except the crossover flange from the 5-1/2" casing to the 7-1/16" flow cross. This crossover flange is tested with the 5-1/2" production casing. The 5-1/2" casing was attempted to be pressure tested to 2,050psi, but failed. No visual leaks were identified at surface, suggesting a downhole leak.

A retrievable packer was run in hole to verify the pressure integrity of the crossover flange, which was confirmed to hold pressure higher than maximum anticipated surface pressure. The casing shoe and casing string from the shoe to 408mRT were pressure tested and failed the pressure test. Potential leak exists between 63m – 438m. In order to fully comply with the Code of Practice (CoP) requirements, the P&A plan was then amended to placing 2 cement plugs rather than one cement plug from TD to surface (see schematic).

The reasons for changing the P&A plan are summarised below:

- Inability to verify the integrity of the full 5-1/2" casing. The precise leak point could not be identified due to some equipment limitations.

- Since leak point(s) couldn't be identified, spotting one continuous cement plug from casing shoe to surface would not confirm the hydrocarbon zone (Walloon Coal Measures) isolation; it would only confirm isolation at surface.
- In order to fully comply with CoP, cement plug #1 was spotted from the casing shoe to 408mRT (30m above top of Walloon Coal Measures). This plug was then be verified by:
 - Tagging with 5klbs; and
 - Successfully pressure testing to 2,050psi, whether before setting the plug
- With cement plug# 1 verified, cement plug#2 was placed to 1.8mGL, verified with plumb bob

The well was successfully subsurface abandoned, meeting all CoP requirements.

The learnings from this well were taken into the planning and execution of Jordan 10.

Both wells have now been subsurface abandoned, and are currently planned to be cut and capped (including any cement top ups required to cut depth) in 2022 as part of a campaigned approach to the wellhead cut-offs and rehabilitation scope.

Regards

49-Sch4 - Personal Information

QGC Pty Limited
275 George Street
Brisbane
QLD 4001
Australia
Tel: +61 7 3024 7368



Please consider the environment before printing this email

CONFIDENTIALITY AND PRIVILEGE NOTICE:

This message and any accompanying attachments are intended for the addressee named and may contain confidential or privileged information. If you are not the intended recipient do not read, use, distribute or copy this message or attachments. Please notify the sender immediately and delete the message.

Activity Log

Prepared by Michael Scott
Document Type Incident
Reference No. GPN 10385
Status Closed

No.	Date	Time (hrs)	Officer	Activity	Activity Details
1	29/01/21	0.02	Michael Scott	Correspondence	Written notification received. See attachment 1.
2	02/02/21	0.33	Michael Scott	Administration	Add entry and data into the system. Read notification and email QGC.
3	12/02/21	0.02	Michael Scott	Correspondence	Response from QGC. See attachment 2.
4	17/02/21	0.33	Michael Scott	Investigation	Review data provided by QGC. Respond (see attachment 3) and close out entry.

Released by DES
RTI Act 2009

Potential or Actual Loss of Well Integrity – DES

Email to: Environment-Superintendent@shell.com & SDA-Environment-Admin@shell.com
GX-QGC-CIC-Well-Engineering-HSSE@shell.com & QGC-Wellintegrity@shell.com

EA number and name (Compliance Team):

Incident Location:

- a) Tenure: Freehold
- b) GPS code: -27.13579 S 150.67158 E
- c) Lot/plan: 17RP863032
- d) Field name: Jordan
- e) Asset name: Jordan 08

Date and time of incident

- a) Date: 22/01/2021
- b) Time: 10:45

Date and time the holder of the EA became aware of the incident

- a) Date: 28/01/2021
- b) Time: 12:00

FIM Number: 2843776

Incident description (brief statement):

JDN 008 is to be permanently abandoned. The abandonment process required a casing pressure test prior to pumping cement into the well. This pressure test failed. Details below;

RIH with CT cement stinger to 10mKB. Topped up well with 2.0 bbls of fresh water. Commenced PT of casing string to 250psi. Good test. Continued to pressure up wellbore in stages to 1615psi, It became apparent the well was taking fluid. Stopped pumping and inspected all surface lines, no visual leaks observed. Commenced pumping at 0.3bpm and max pressure achieved 1250psi. Pumped 0.5bbls and shut down pump. Pressure leaked off to 960psi after pumps were stopped, Monitored leak off. Initial leak off rate of 26psi/min and reducing to 15 psi/min after 10 mins. Pumped total of 2.5bbls. POOH CT closed master valve and retested the surface equipment. 250/3000 psi good test.

Attempted to retest the casing. Casing tested to 250psi, Good test. Continued to pressure up casing in 250psi stages. Pressure at 500psi, observed leak off rate of 2 psi/min. Pressured up to 750psi and observed leak off rate of 20 psi/min. Pressured up to 1000psi and observed leak off rate of 50psi/min. Pressured up to 1250psi fluid appeared to inject into leak. Stop pumping and observed a leak rate of 95psi/min. Monitored pressure leak off.

Immediate Action taken:

CT was pulled out of hole and master valve closed and remedial work was conducted to abandon the well.

Current status of the well site:

The well has been isolated with the following barriers downhole:

- 5-1/2" K55 15.5ppf casing is set from 796.6m RT to surface.
- Well has been filled with cement from 796.6m RT to surface.
- Cement above casing shoe was pressure tested to 2050psi.

Terminology	
EA	Environmental Authority
JDN	Jordan Field
RIH	Run In Hole
CT/CTU	Coil Tubing/Coil Tubing Unit
mKB	Metres from Kelly Bushing
PT	Pressure Test
POOH	Pull Out of Hole

Released by DES
RTI Act 2009



Submission ID: 31679084

Submission date: 28 Jan 2021 4:09:14 PM

Certificate number: DFHXSNTZ

Getting started

Important information

The operator of certain operating plants may need to provide safety information under the Petroleum and Gas (Safety) Regulation 2018.

Examples of safety information include:

- Reportable leaks under the Code of Practice for leak management, detection and reporting for petroleum operating plant
- Failure to achieve cementing objectives under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Alternate means of compliance under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Well integrity issue under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Other safety information about operating plant (as requested)

Instructions for use

If you are submitting information for an operating plant please use the specific details for that plant.

If you are submitting information for multiple operating plant on a petroleum tenure (e.g. multiple petroleum wells on a petroleum tenure), please use the details for the authorised activity operating plant (i.e. the authority that authorises the operating plant such as an ATP, PL, PFL etc.) and attach supporting information providing the required safety information for each plant on the tenure.

Once you complete the form you can download a copy of the submission for your records. The owner, operator or proposed operator must keep the record for the life of the plant or otherwise for at least 7 years.

Operating plant details

Category

Category *

Petroleum wells

Sub category *

CSG wells

Operator

Name of operator of operating plant (individual or corporation) *

QGC Pty Limited

ACN/ARBN (corporations only)

089642553

Name of operating plant

Name of operating plant *

Petroleum Gas Well Jordan 008

Location of operating plant

Note: Please use the proper address of the parcel of land on which the operating plant is located and the GPS coordinates for the specific location of the operating plant (for mobile plant, please use the GPS coordinates of the base of operations). The [Queensland Government's Geocoder](#) can help you identify address and geocode details.

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RTI Act 2009

Address (or base of operations for mobile plant)

Address Line 1 *

2967 Tara Kogan Rd

Address Line 2

Suburb *

Tara

State *

QLD

Postcode *

4421

Country

AUSTRALIA

GPS coordinates

Latitude Decimal degrees *

-27.135782

e.g. -27.468542

Longitude Decimal degrees *

150.671594

e.g. 153.022411

Tenure

Tenure type and number

e.g. ATP 0123, PL 1234, PFL
PL 442

Released by DES
RTI Act 2009

Safety information

Information details

- Reportable leaks under the Code of Practice for leak management, detection and reporting for petroleum operating plant
- Failure to achieve cementing objectives under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Alternate means of compliance under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Well integrity issue under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Other safety information about operating plant

Information being reported

You must report any safety information required for operating plant under the Petroleum and Gas (Safety) Regulation 2018 here. Please provide a summary here and upload any additional information in the Attachment section below.

Safety information being reported *

Jordan 008 failed pressure test prior to abandonment

Note: Records relating to safety management at operating plant should be retained for the life of the plant and may be subject to inspection or audit by an inspector.

Was this information initially reported by telephone *

Yes

No

Attachments

Note: Upload the attachments only by using the "Click to upload" button

File:

JDN_008_2021-01-22_CT_Failed_Casing_SIT Report.docx

Please attach any supporting documents (e.g. letters, reports, technical submissions, maps, photos or other documents).

Declaration

Declaration

- I declare that the information provided in this form is true and correct to the best of my knowledge and belief at the time of submission. *

Signature

- I acknowledge Queensland State Laws will accept this communication as containing the above person's authority within the meaning of the *Electronic Transactions (Queensland) Act 2001* *

[Electronic Transactions \(Queensland\) Act 2001 \(PDF\)](#)

Full name of operator if an individual (or authorised representative for a corporation) *

Sch4 - Personal Informat

Date signed *

28 Jan 2021

Phone number *

0730248071

Email address (a copy of this submission will be emailed to you) *

49-Sch4 - Personal Information

Privacy statement

Resources Safety and Health Queensland collects personal information from you, including information about your name, address, email address, telephone number, date of birth, qualifications, experience and other information. We collect this information to for the purpose of administering and regulating safety in the petroleum and fuel gas industry in Queensland. The *Petroleum and Gas (Production and Safety) Act 2004* allows or authorises us to collect this personal information. Your information may be shared with other State and Territory Regulators. We will only use your information for this purpose. It will otherwise not be used or disclosed unless authorised or required by law. Your personal information will be handled in accordance with the Information Privacy Act 2009.

Form number PG-OPSI - Version 1.4

Information security classification: Commercial in confidence (once filled out)

Released by DES
RTI Act 2009

Activity Log

Prepared by Michael Scott
Document Type Incident
Reference No. GPN 10386
Status Closed

No.	Date	Time (hrs)	Officer	Activity	Activity Details
1	28/01/21	0.02	Michael Scott	Correspondence	Written notification received. See attachment 1.
2	02/02/21	0.33	Michael Scott	Administration	Add entry and data into the system. Read notification and email QGC.
3	12/02/21	0.02	Michael Scott	Correspondence	Response from QGC. See attachment 2.
4	17/02/21	0.33	Michael Scott	Investigation	Review data provided by QGC. Respond (see attachment 3) and close out entry.

Released by DES
RTI Act 2009

Adrien Camilleri

From: SCOTT Michael (RSHQ)
Sent: Thursday, 4 February 2021 10:34 AM
To: IntegratedGasCompliance
Cc: [redacted] - Personal Infor; RODERICK Scott
Subject: Talinga 18 well integrity notification

Hi

Thank you for submitting the Talinga 18 well integrity notification. This has been closed out in our system. If additional corrosion occurs resulting in a total loss of casing thickness please ensure an additional notification is submitted.

Regards

Michael

From: Forms <Forms@daf.qld.gov.au>
Sent: Wednesday, 27 January 2021 4:12 PM
To: Gas Safe
Subject: TIA Form Submission Delivery for 'PG-OPSI' (Operating plant safety information). Submission ID: 31617012 on Production Server

Form Submission Delivery on Production Server

Submission ID: 31617012

Form Name: Operating plant safety information

This message has been automatically generated to deliver the attached form submission data and attachments to you.



Submission ID: 31617012

Submission date: 27 Jan 2021 5:06:06 PM

Certificate number: LDBW4LHJ

Getting started

Important information

The operator of certain operating plants may need to provide safety information under the Petroleum and Gas (Safety) Regulation 2018.

Examples of safety information include:

- Reportable leaks under the Code of Practice for leak management, detection and reporting for petroleum operating plant
- Failure to achieve cementing objectives under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Alternate means of compliance under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Well integrity issue under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Other safety information about operating plant (as requested)

Instructions for use

If you are submitting information for an operating plant please use the specific details for that plant.

If you are submitting information for multiple operating plant on a petroleum tenure (e.g. multiple petroleum wells on a petroleum tenure), please use the details for the authorised activity operating plant (i.e. the authority that authorises the operating plant such as an ATP, PL, PFL etc.) and attach supporting information providing the required safety information for each plant on the tenure.

Once you complete the form you can download a copy of the submission for your records. The owner, operator or proposed operator must keep the record for the life of the plant or otherwise for at least 7 years.

Operating plant details

Category

Category *

Petroleum wells

Sub category *

CSG wells

Operator

Name of operator of operating plant (individual or corporation) *

Origin Energy Upstream Operator Pty Ltd

ACN/ARBN (corporations only)

105423532

Name of operating plant

Name of operating plant *

TAL018

Location of operating plant

Note: Please use the proper address of the parcel of land on which the operating plant is located and the GPS coordinates for the specific location of the operating plant (for mobile plant, please use the GPS coordinates of the base of operations). The [Queensland Government's Geocoder](#) can help you identify address and geocode details.

Released by DES
RTI Act 2009

Address (or base of operations for mobile plant)

Address Line 1 *

180 Ann St

Address Line 2

Suburb *

Brisbane City

State *

QLD

Postcode *

4000

Country

AUSTRALIA

GPS coordinates

Latitude Decimal degrees *

-26.908258

e.g. -27.468542

Longitude Decimal degrees *

150.356689

e.g. 153.022411

Tenure

Tenure type and number

e.g. ATP 0123, PL 1234, PFL
PL 226

Released by DES
RTI Act 2009

Safety information

Information details

- Reportable leaks under the Code of Practice for leak management, detection and reporting for petroleum operating plant
- Failure to achieve cementing objectives under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Alternate means of compliance under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Well integrity issue under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Other safety information about operating plant

Information being reported

You must report any safety information required for operating plant under the Petroleum and Gas (Safety) Regulation 2018 here. Please provide a summary here and upload any additional information in the Attachment section below.

Safety information being reported *

- Talinga 18 is a vertical Walloons well, originally drilled in 2006. At the time of drilling the production casing became stuck while running in the hole and the well was cemented off bottom. Although the well demonstrated the required integrity, a CBL indicated the cementing did have some problem areas.

- In 2017, surface corrosion was noted on this well through routine inspections. Control measures to prevent further corrosion were taken and some surface thickness testing undertaken.

- In 2020, this well was selected to be logged to determine whether corrosion was occurring subsurface. Results indicated several sections of casing had reduced wall thickness, with the wall loss occurring from the outside in.

- The most significant defect indicates ~65% wall loss. Burst calculations indicate that from a pressure containment perspective the well could continue to contain the maximum shut in pressure of this well up to a wall loss of ~95%. It is Origin's determination that an integrity failure would more likely be in the form of a pin hole due to corrosion progression than burst.

- Origin suspects that the corrosion, which lines up with the Gubberamunda sandstone, is a result of the compromised cement job allowing aquifer contact with the casing. Given the progress of the wall loss has occurred over the past ~15 years, Origin does not believe the well presents an imminent loss of integrity threat. Additional logging will be performed in approximately 6 months to attempt to detect any trend or progression.

Note: Records relating to safety management at operating plant should be retained for the life of the plant and may be subject to inspection or audit by an inspector.

Was this information initially reported by telephone *

Yes

No

Attachments

Note: Upload the attachments only by using the "Click to upload" button

Please attach any supporting documents (e.g. letters, reports, technical submissions, maps, photos or other documents).

Declaration

Declaration

- I declare that the information provided in this form is true and correct to the best of my knowledge and belief at the time of submission. *

Signature

- I acknowledge Queensland State Laws will accept this communication as containing the above person's authority within the meaning of the *Electronic Transactions (Queensland) Act 2001* *

Full name of operator if an individual (or authorised representative for a corporation) *

Origin Energy Upstream Operator Pty Ltd

Date signed *

27 Jan 2021

Phone number *

0475813986

Email address (a copy of this submission will be emailed to you) *

IntegratedGasCompliance@upstream.originenergy.com.au

Privacy statement

Resources Safety and Health Queensland collects personal information from you, including information about your name, address, email address, telephone number, date of birth, qualifications, experience and other information. We collect this information to for the purpose of administering and regulating safety in the petroleum and fuel gas industry in Queensland. The *Petroleum and Gas (Production and Safety) Act 2004* allows or authorises us to collect this personal information. Your information may be shared with other State and Territory Regulators. We will only use your information for this purpose. It will otherwise not be used or disclosed unless authorised or required by law. Your personal information will be handled in accordance with the Information Privacy Act 2009.

Form number PG-OPSI - Version 1.4

Information security classification: Commercial in confidence (once filled out)

Released by DEW
RTI Act 2009

Activity Log

Prepared by Michael Scott
Document Type Incident
Reference No. GPN 10389
Status Closed

No.	Date	Time (hrs)	Officer	Activity	Activity Details
1	27/01/21	0.08	Scott Roderick	Correspondence	Well integrity issue under the Code of Practice notification received. Submission ID: 31617012 Refer to attachments.
2	04/02/21	0.50	Michael Scott	Administration	Read notification and send email to Origin. Close out entry in the system. Well may require remediation at some point, Origin have provided sufficient information on their planned monitoring. Well will be inspected within the next ~1-2 years to follow up monitoring and confirm risks have and are been appropriately managed. Well most likely has poor cement behind the corroded area.
3	04/02/21	0.08	Scott Roderick	Meeting	Review notification with PI Scott, agree to close out. PI Scott will send correspondence to Origin.
4	04/02/21	0.17	Scott Roderick	Administration	Enter notification.



Submission ID:

41890891

Submission date:

27 Oct 2021 8:35:22 PM

Certificate number:

2LH689M7

Getting started

Important information

The operator of certain operating plants may need to provide safety information under the Petroleum and Gas (Safety) Regulation 2018.

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- Failure to achieve cementing objectives under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Alternate means of compliance under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Well integrity issue under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Other safety information about operating plant (as requested)

Instructions for use

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If you are submitting information for multiple operating plant on a petroleum tenure (e.g. multiple petroleum wells on a petroleum tenure), please use the details for the authorised activity operating plant (i.e. the authority that authorises the operating plant such as an ATP, PL, PFL etc.) and attach supporting information providing the required safety information for each plant on the tenure.

Once you complete the form you can download a copy of the submission for your records. The owner, operator or proposed operator must keep the record for the life of the plant or otherwise for at least 7 years.

Operating plant details

Category

Category *

Petroleum wells

Sub category *

CSG wells

Operator

Name of operator of operating plant (individual or corporation) *

Origin Energy Upstream Operator Pty Ltd

ACN/ARBN (corporations only)

105423532

Name of operating plant

Name of operating plant *

Condabri North 66

Location of operating plant

Note: Please use the proper address of the parcel of land on which the operating plant is located and the GPS coordinates for the specific location of the operating plant (for mobile plant, please use the GPS coordinates of the base of operations). The [Queensland Government's Geocoder](#) can help you identify address and geocode details.

Released by DES
RTI Act 2009

R

Address (or base of operations for mobile plant)

Address Line 1 *

Address Line 2

Suburb *

State *

Postcode *

Country

GPS coordinates

Latitude Decimal degrees *

e.g. -27.468542

Longitude Decimal degrees *

e.g. 153.022411

Tenure

Tenure type and number

e.g. ATP 0123, PL 1234, PFL 123

Released by DES
RTI Act 2009

R

Safety information

Information details

- Reportable leaks under the Code of Practice for leak management, detection and reporting for petroleum operating plant
- Failure to achieve cementing objectives under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Alternate means of compliance under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Well integrity issue under the Code of Practice for the construction and abandonment of petroleum wells and associated bores in Queensland
- Other safety information about operating plant

Information being reported

You must report any safety information required for operating plant under the Petroleum and Gas (Safety) Regulation 2018 here. Please provide a summary here and upload any additional information in the Attachment section below.

Safety information being reported *

During a casing corrosion logging campaign it was identified that Condabri North 66 demonstrated a severe degradation in the production casing had occurred due to external corrosion.

The interpreted logging data recorded a wall loss of 55% at a depth of 12.3mRT, and a further degradation of 43.9% at a depth of 313.36-325.52mRT, originating from the exterior of the 7" 23# K55 production casing.

These depths correspond to a shallow interval within the surface casing and a deeper interval adjacent to the Springbok aquifer.

It should be noted that the logging has also demonstrated poor cement across the 12.3mRT location and good cement coverage across the 313mRT interval.

Calculations show that the maximum anticipated surface pressure specific to this well and burst limitations of the casing may result in a failed barrier should the casing experience a wall loss of 63% in total.

Assuming a linear corrosion rate across the age of the well (8yrs) it has been determined that failed barrier may occur in 1.1 years. Due to the margin of error in the logging tools a 20% safety factor has been applied.

A recommendation and plan has been assigned to this well to conduct a subsequent logging operation on a time frame (within the 1.1 years and a safety margin) to establish a more accurate corrosion rate and further assess the risk to barriers.

The WIMs status of this well has been updated to "Orange" to reflect the barrier degradation and a requirement for ongoing monitoring (logging).

Note: Records relating to safety management at operating plant should be retained for the life of the plant and may be subject to inspection or audit by an inspector.

Was this information initially reported by telephone *

- Yes No

Attachments

Note: Upload the attachments only by using the "Click to upload" button

R

Please attach any supporting documents (e.g. letters, reports, technical submissions, maps, photos or other documents).

Declaration

Declaration

I declare that the information provided in this form is true and correct to the best of my knowledge and belief at the time of submission. *

Signature

I acknowledge Queensland State Laws will accept this communication as containing the above person's authority within the meaning of the *Electronic Transactions (Queensland) Act 2001* *

[Electronic Transactions \(Queensland\) Act 2001 \(PDF\)](#)

Full name of operator if an individual (or authorised representative for a corporation) *

Origin Energy Upstream Operator Pty Ltd

Date signed *

27 Oct 2021

Phone number *

0475813986

Email address (a copy of this submission will be emailed to you) *

IntegratedGasCompliance@upstream.originenergy.com.au

Privacy statement

Resources Safety and Health Queensland collects personal information from you, including information about your name, address, email address, telephone number, date of birth, qualifications, experience and other information. We collect this information to for the purpose of administering and regulating safety in the petroleum and fuel gas industry in Queensland. The *Petroleum and Gas (Production and Safety) Act 2004* allows or authorises us to collect this personal information. Your information may be shared with other State and Territory Regulators. We will only use your information for this purpose. It will otherwise not be used or disclosed unless authorised or required by law. Your personal information will be handled in accordance with the Information Privacy Act 2009.

Form number PG-OPSI - Version 1.5

Information security classification: Commercial in confidence (once filled out)

Activity Log

Prepared by Michael Scott
Document Type Incident
Reference No. GPN 11125
Status Assigned

No.	Date	Time (hrs)	Officer	Activity	Activity Details
1	01/11/21	0.25	Ahmed Harfoush	Administration	Created Incident on LN. Added activities and attachments.

Released by DES
RTI Act 2009