

FORM
6Rev
12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400741303

Date Received:

11/26/2014

WELL ABANDONMENT REPORT

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set.

A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 47120

Contact Name: CHERYL LIGHT

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP

Phone: (720) 929-6461

Address: P O BOX 173779

Fax: (720) 929-7461

City: DENVER State: CO Zip: 80217-

Email: CHERYL.LIGHT@ANADARKO.COM

For "Intent" 24 hour notice required,

Name: Precup, Jim

Tel: (303) 726-3822

COGCC contact:

Email: james.precup@state.co.us

API Number 05-123-19788-00

Well Name: JOHNSTON

Well Number: 22-24

Location: QtrQtr: SENW Section: 24 Township: 1N Range: 68W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.038150

Longitude: -104.953560

GPS Data:

Date of Measurement: 04/03/2007

PDOP Reading: 3.0

GPS Instrument Operator's Name: Paul Tappy

Reason for Abandonment:

☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ Other

Casing to be pulled:

☒ Yes☐ No

Estimated Depth: 1500

Fish in Hole:

☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks:

☐ Yes☒ No

If yes, explain details below

Details: Previous squeeze holes are at 7900' and 6900'. There is also a DV tool at 5222'.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	8280	8302			

Total: 1 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status
SURF	12+1/4	8+5/8	24	1,152	700	1,152	0	VISU
1ST	7+7/8	5+1/2	17	8,420	255	8,420	8,010	CBL
S.C. 1.1				7,950	200	7,950	6,842	CBL
			Stage Tool	5,280	130	5,280	4,800	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8230 with 135 sacks cmt on top. CIBP #2: Depth 80 with 25 sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIBP #4: Depth _____ with _____ sacks cmt on top.
CIBP #5: Depth _____ with _____ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 80 sks cmt from 5510 ft. to 4800 ft. Plug Type: CASING Plug Tagged: ☒
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 4660 ft. with 120 sacks. Leave at least 100 ft. in casing 4430 CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 230 sacks half in. half out surface casing from 1600 ft. to 950 ft. Plug Tagged: ☒

Set 25 sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: ☐ Yes ☒ No

Set _____ sacks in rat hole Set _____ sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: _____ ft. of _____ inch casing Plugging Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

5 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD.
 6 TOOH and SB 2 3/8" production tubing (262 jts landed @ 8264'). Note: Expected holes in tubing. Spot tubing trailer with ~140 joints of 2 3/8" workstring, although the amount of bad tubing is unknown.
 7 MIRU WL. RIH with junk basket and gauge ring for 5 1/2" 17#/ft casing to 8250'. POOH. Set CIBP at 8230' (collars @ 8199' & 8245') to abandon J sand perms. RD WL.
 8 MIRU hydrotester. Hydrotest 2 3/8" tubing down to 8230'. Expected holes in tubing. Tag CIBP and pick up 5'. Pressure test CIBP to 1000 psi.
 9 RU Cementers. Pump Niobrara/J sand Balanced Plug: 135 sx (187 cuft) "G" w/ 20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 to achieve 2:30 pump time, mixed at 15.8 ppg and 1.38 cuft/sx. The plug will cover 8230' to 6800'. Volume based on 1430' inside 5 1/2" production casing with no excess. Note: squeeze holes at 7900' and 6900'.
 10 PUH to 6600' and circulate tubing clean to ensure no cement is left in the tubing.
 11 PUH to 5300', LD remainder.
 12 RU Cementers. Pump Balanced Plug: 80 sx (92 cuft) Class "G" cement with 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx. The plug will cover 5510' - 4800', covering the DV tool at 5222'.
 13 PUH to 4700' and circulate tubing clean to ensure no cement is left in the tubing. P&SB 4430', LD remainder.
 14 MIRU WL. Tag cement at 4800'. PU and RIH with 2-1' 3-3/8" perf guns with 3 spf, 0.73" EHD, 120° phasing. Shoot 1' of squeeze holes at 4660' and 4400'. RD WL.
 15 PU 5 1/2" CICR and RIH on 2 3/8" tubing to set CICR at 4430'. Establish circulation with fresh water treated with biocide.
 16 RU Cementers. Pump 20 bbl sodium metasilicate and a 5 bbl water spacer to establish injection and circulation. Pump Sussex Suicide: 120 sx (138 cuft) Class "G" cement with 0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx. Underdisplace by 3 bbls and unstring from CICR spotting at least 100' cement on top of squeeze holes. The plug will cover 4660' - 4400'. Volume based on 260' in 9" OH from caliper with 20% excess, 360' in 5 1/2" production casing with no excess. RDMO cementers.
 17 PUH to 4200' and circulate to ensure no cement left in the tubing.
 18 P & SB 1600' of tubing, LD remainder.
 19 RU WL. RIH and cut casing at 1500'. RDMO WL.
 20 Circulate with fresh water containing biocide to remove any gas.
 21 Unland casing. NDBOP, NDTH. Install BOP on casing head with 5 1/2" pipe rams.
 22 POOH with 1500' of 5 1/2" casing, LD. Remove 5 1/2" pipe rams and install 2 3/8" pipe rams.
 23 RIH with 2 3/8" tubing to 1600'.
 24 MIRU Cementers. Preceed cement with 10 bbl (min) SAPP followed by a 20 bbl fresh water spacer. Pump Stub Plug: 230 sx (306 cuft) Type III w/ cello flake and CaCl2 as deemed necessary, mixed at 14.8 ppg and 1.33 cuft/sx (100' in 5 1/2" production casing with no excess, 348' in 9" OH from caliper with 40% excess, 202' in 8 5/8" surface csg with no excess). The plug will cover 1600' - 950'. RD cementers.
 25 Pull up to 200' and circulate tubing clean using fresh water treated with biocide. TOOH.
 26 WOC per cement company recommendation. Tag cement. Cement top needs to be above 952'.
 27 MIRU WL. RIH 8 5/8" CIBP to 80'. Set and pressure test to 1000 psi for 15 minutes. RDMO WL and WO rig.
 28 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hrs of completion of the job.
 29 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
 30 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
 31 Excavate hole around surface casing enough to allow welder to cut casing minimum 5' below ground level.
 32 Welder cut casing minimum 5' below ground level.
 33 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).
 34 Spot weld on steel marker plate. Marker should contain Well

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: CHERYL LIGHT
 Title: SR. REGULATORY ANALYST Date: 11/26/2014 Email: DJREGULATORY@ANADARKO.COM

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: SCHLAGENHAUF, MARK Date: 5/10/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 11/9/2015

COA Type

Description

	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) If unable to pull casing contact COGCC for plugging modifications. 3) For 1600' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 1100' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.
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Attachment Check List

Att Doc Num**Name**

400741303	FORM 6 INTENT SUBMITTED
400741320	PROPOSED PLUGGING PROCEDURE
400741323	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group**Comment****Comment Date**

Permit	Well Completion Report dated 2/7/2000.	12/11/2014 10:02:04 AM
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Total: 1 comment(s)