

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:

400825572

Date Received:

04/15/2015

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: Carlile, Craig

Tel: (970) 629-8279

COGCC contact:

Email: craig.carlile@state.co.us

API Number 05-123-15434-00

Well Name: GREEN VALLEY

Well Number: L6-7

Location: QtrQtr: SWNE Section: 6 Township: 3N Range: 66W 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: 40.255161

Longitude: -104.817574

GPS Data:

Date of Measurement: 06/22/2006

PDOP Reading: 2.3

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: 1080

Fish in Hole:

☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks:

☐ Yes☒ No

If yes, explain details below

Details:

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7294	7313			

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	314	300	314	0	VISU
1ST	7+7/8	2+7/8	7.9/8.7	7,434	300	7,434	6,504	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7240 with 20 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 20 sks cmt from 7240 ft. to 6080 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 4680 ft. with 555 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

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

(Cast Iron Cement Retainer Depth)

Set 690 sacks half in. half out surface casing from 1080 ft. to 200 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 TOO and SB 1.66" production tubing (221 jts landed @ 7282'). PU casing scraper for 2 7/8" 7.9/8.7 #/ft casing and RIH to 7450'. TOO and LD scraper, SB tbg. Note: Noble trade well and poor documentation of casing weight.
 7 MIRU WL. Run gyro from 4700' to 7350' with stops every 100'. Tie into previous gyro ran by VES on 3/3/2015.
 8 PU 2 7/8" CIBP for 7.9/8.7 #/ft casing and RIH on wireline to 7240'. Set CIBP at 7240'. RD WL.
 9 Pressure test CIBP and production casing to 2500 psi for 15 minutes. If pressure test passes, continue; otherwise, contact engineering for revised procedure steps prior to spotting stub plug in step 22.
 10 MIRU hydrotester. Hydrotest 1.66" tubing to 3000 psi down to 7240'. Tag CIBP and pick up 5'.
 11 MIRU cementers. Pump Niobrara Balanced Plug: 20 sx (27.6 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 7240' to 6080'. Volume based on 1160' inside 2 7/8" production casing with no excess. RD cementers.
 12 PUH to 5800' and circulate tubing clean to ensure no cement is left in the tubing.
 13 TOO and LD all 1.66" tubing.
 14 MIRU WL. PU and RIH with 2' of 1-11/16" perf gun with 3 spf, 0.37" EHD, 120° phasing. Shoot 2' of squeeze holes at 4680'. RD WL.
 15 Establish injection by pumping greater than 1 bpm without exceeding a 3000 psi pump pressure. If unable to establish injection, contact Evans Engineering.
 16 MIRU cementers on the 2 7/8" casing. Precede cement with 5 bbl water, 20 bbl sodium metasilicate, and a 5 bbl water spacer. Pump Sussex squeeze: 555 (638 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 (680' in 12" OH from caliper with 20% excess, 680' in 2 7/8" casing with no excess). The plug will cover 4680'-4000'. Drop wiper plug and displace to 4000' using 20 bbls water. RDMO cementers.
 17 WOC per cement company recommendation.
 18 MIRU WL. RIH and tag wiper plug/cement at 4000' or shallower. If tag is deeper than 4000', contact Evans Engineering.
 19 Cut casing at 1080'. RDMO WL.
 20 Circulate with fresh water containing biocide to remove any gas.
 21 NDBOP, NDTH. Install BOP on casing head with 2 7/8" pipe rams. If casing PT to 2500 psi passed in step 9, proceed; otherwise, TOO and hydrotest back in the hole.
 22 MIRU Cementers. Establish circulation and pump 10 bbl (min) SAPP followed by a 20 bbl fresh water spacer. Pump stub plug: 690 sx (918 cuft) Type III w/ cello flake and CaCl₂ as deemed necessary, mixed at 14.8 ppg and 1.33 cuft/sx (766' in 12" OH with 40% excess, 114' in 8 5/8" csg with no excess). The plug will cover 1080'-200'. RD cementers.
 23 Pull up to 100' and circulate tubing clean using fresh water treated with biocide. TOO.
 24 WOC per cement company recommendation. Tag cement. Cement top needs to be above 200'.
 25 MIRU WL. RIH 8 5/8" CIBP to 80'. Set and pressure test to 1000 psi for 15 minutes. RDMO WL and WO rig.
 26 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.
 27 Supervisor submit paper copies of all invoices, logs, and reports to Evans Engineering Specialist.
 28 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
 29 Excavate hole around surface casing enough to allow welder to cut casing minimum 5' below ground level.
 30 Welder cut casing minimum 5' below ground level.
 31 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).
 32 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
 33 Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
 34 Properly abandon flowlines per Rule 1103. File electronic Form 4

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: 4/15/2015 Email: cheryl.light@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: 6/10/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 12/9/2015

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 1080' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 264' 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.

Attachment Check List

Att Doc Num**Name**

400825572	FORM 6 INTENT SUBMITTED
400825576	PROPOSED PLUGGING PROCEDURE
400825578	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

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

Permit	Well Completion Report dated 1/24/1992.	4/16/2015 9:38:39 AM
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Total: 1 comment(s)