

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:

400787613

Date Received:

02/06/2015

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: Peterson, Tom

Tel: (303) 815-9641

COGCC contact:

Email: tom.peterson@state.co.us

API Number 05-123-20079-00

Well Name: CARLSON V

Well Number: 11-8 Ji

Location: QtrQtr: SENE Section: 11 Township: 2N Range: 67W 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: 40.154720

Longitude: -104.851500

GPS Data:

Date of Measurement: 03/22/2007

PDOP Reading: 2.5

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: 1150

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
J SAND	7817	7874			

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	620	435	620	0	VISU
1ST	7+7/8	4+1/2	11.6	7,965	160	7,965	6,940	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7750 with 2 sacks cmt on top. CIBP #2: Depth 80 with 20 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 _____ 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 6850 ft. with 100 sacks. Leave at least 100 ft. in casing 6500 CICR Depth

Perforate and squeeze at 5070 ft. with 460 sacks. Leave at least 100 ft. in casing 4050 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 1250 ft. to 520 ft. Plug Tagged: ☒

Set 20 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. Function test and document. TOOH tubing string, SB. (Tubing String 254 jts 2-3/8" 4.7 #/ft J55, SN)

6 PU and TIH casing scraper for 4-1/2" 11.6 #/ft casing on tubing to 7800'+/-. TOOH, SB tubing. LD scraper.

7 PU and TIH CIBP for 4-1/2" 11.6#/ft casing on tubing, set at 7750'+/-. PUH 1 jt. Roll hole using water containing biocide.

8 PT CIBP to 1000 psi for 15 min. If fail, discuss with engineering. RDMO hydrotester. TOOH, SB 6500', LD remainder.

9 MIRU WL. PU dump bailer on WL. RIH to CIBP (7750'), dump bail 2 sx class G cement on CIBP. POOH.

10 PU and RIH 2-1' 3-1/8" perf guns with 3spf, 0.5" EHD 120* phasing. Shoot 1' of squeeze holes at 6850' and at 6450'. RD WL.

11 MIRU hydrotester. PU CICR on tubing, hydrotesting string in to 3000 psi. Set retainer at 6500'. Initiate circulation using water containing biocide. Note rate and pressure. RDMO hydrotester.

12 MIRU cementers. Pump 100 SX 50/50 Poz "G" w/20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52 Mixed at 13.5 ppg and 1.71 cuft/sk yield, underdisplace by 3 BBLs, unsting from retainer and dump on CICR. Coverage design 6850' to 6450' using 8" hole size +20%.

13 PUH 6 stands from 6450'. Circulate using water with biocide using 1.5x's hole volume or until clean returns. RD cementers.

14 TOOH, SB 4050' tubing, LD remainder.

15 RU WL. PU and RIH 2-1' 3-1/8" perf guns with 3spf, 0.5" EHD 120* phasing. Shoot 1' of squeeze holes at 5070' and at 4000'. RD WL.

16 PU CICR on production tubing and set at 4050'. Initiate circulation using water containing biocide. Note rate and pressure.

17 RU cementers. Preflush using 5BBL biocide water, 20 BBL sodium metasilicate, 5 BBL biocide water. Pump 460 SX "G" w/0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 Mixed at 15.8 ppg and 1.15 cuft/sk, underdisplace by 3BBL, unsting from retainer, dump remainder on CICR. Coverage design 5070'-4000', 9" hole size + 20%.

18 PUH 6 stands from 4000'. Circulate using water containing biocide using 1.5x's hole volume or until clean returns. RD cementers.

19 TOOH, SB 1250' tubing, LD remainder.

20 RU WL. Crack coupling or shoot off casing at 1150'. RD WL. Circulate hole using minimum 1.5x hole volume to 1150' using biocide water to remove any gas.

21 ND BOP, ND TH.

22 NU BOP on casing head, install 4-1/2" pipe rams.

23 TOOH with 4-1/2" casing, LD. Change pipe rams to 2-3/8".

24 TIH into casing stub to 1250' using 2-3/8" tubing.

25 RU cementers. Pump 10bbl SAPP, 20BBL biocide water, Spot 230 SX Type III w/cello flake and CaCl₂ as deemed necessary Mixed at 14.8 ppg and 1.33 cuft/sk. Hole size 9"+20% coverage design 1250'-620' open hole, 620'-520' in pipe. TOOH, SB tubing.

26 TIH tubing, tag cement, if lower than 520', contact Evans Engineering, TOOH LD.

27 PU CIBP for 8-5/8" 24#/ft casing set at 80'. RD WL.

28 PT to 1000psi. If pass, RDMO WL and WO rig.

29 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.

30 Supervisor submit paper copies of all invoices, logs, and reports to Evans Engineering Specialist.

31 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.

32 Excavate hole around surface casing enough to allow welder to cut casing minimum 5' below ground level.

33 Welder cut casing minimum 5' below ground level.

34 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).

35 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.

36 Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.

37 Properly abandon flowlines per Rule 1103. File electronic Form 42 once abandonment complete.

38 Back fill hole with fill. Clean location, level.

39 Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifyin

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: 2/6/2015 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: 2/21/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 8/20/2015

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 1250' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 570' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit existing gyro survey data with Form 6 (s) Subsequent Report of Abandonment.
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Attachment Check List

Att Doc Num**Name**

400787613	FORM 6 INTENT SUBMITTED
400787617	PROPOSED PLUGGING PROCEDURE
400787619	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

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

Permit	Well Completion Report dated 1/17/2001.	2/9/2015 3:13:02 PM
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Total: 1 comment(s)