

FORM
6Rev
05/18State 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:

401665778

Date Received:

07/26/2019

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: 55030

Contact Name: Jack McCartney

Name of Operator: MCCARTNEY ENGINEERING LLC

Phone: (303) 830-7208

Address: 4251 KIPLING ST STE 575

Fax: (303) 830-7004

City: WHEAT RIDGE State: CO Zip: 80033

Email: jack@mccartneyengineering.com

For "Intent" 24 hour notice required,

Name: Gomez, Jason

Tel: (970) 573-1277

COGCC contact:

Email: jason.gomez@state.co.us

API Number 05-001-09261-00

Well Name: HSR-FULENWIDER

Well Number: 6-10

Location: QtrQtr: SENW Section: 10 Township: 2S Range: 66W Meridian: 6

County: ADAMS

Federal, Indian or State Lease Number:

Field Name: BANNER

Field Number: 5190

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.894594

Longitude: -104.764486

GPS Data:

Date of Measurement: 12/18/2008

PDOP Reading: 2.6

GPS Instrument Operator's Name: Cody Mattson

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other Lost gas market when Anadarko shut down Third Creek gatheringCasing to be pulled: ☐ Yes ☒ No

Estimated Depth:

Fish in Hole: ☐ Yes ☒ No If yes, explain details belowWellbore 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	8304	8345			

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	1,615	1,130	1,615	0	VISU
1ST	7+7/8	4+1/2	11.6	8,447	275	8,447	7,046	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8200 with 75 sacks cmt on top. CIBP #2: Depth _____ with _____ 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 2510 ft. with 40 sacks. Leave at least 100 ft. in casing 2410 CICR Depth
Perforate and squeeze at 880 ft. with 40 sacks. Leave at least 100 ft. in casing _____ CICR Depth
Perforate and squeeze at 580 ft. with 180 sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 50 sacks half in. half out surface casing from 1665 ft. to 1432 ft. Plug Tagged: ☒

Set _____ 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. _____ inch casing Plugging Date: _____
of _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Set CIBP @ 8200', load hole, pressure test at 300 psig for 15 minutes.
Place 75 sks on top of CIBP to fill 4 1/2" csg 200' above Niobrara.
Perforate at 2510', set CICR 100' above perms, pump 40 sks below retainer, 5 sks on top.
Perforate at 1665' (50' below surface csg), Set CICR at pump 60 sks balanced plug below retainer, 8 sks on top.
Perforate at 880', cement with 40 sks leaving 100' plug in 4 1/2" casing. If circulation remains constant, may pump cement to surface. If not, perforate at 580', cement to surface leaving 4 1/2" csg full of cement with approximately 180 sks..
Cut off casing pursuant to landowner's requirement (not less than 4' below surface), weld on plate.
Place marker over casing. Flow lines will be removed.

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

Signed: _____ Print Name: Jack
Title: McCartney Date: 7/26/2019 Email: jack@mccartneyengineering.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: BURN, DIANA Date: 7/31/2019

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 1/30/2020

COA Type	Description
	<p>If there has not been a reported Bradenhead test within 60 days of plugging this well, prior to starting plugging operations a bradenhead test shall be performed. If the well was not sampled as part of a prior test it should be sampled if pressure is 25# or greater. If there is a need for sampling - contact COGCC engineering for verification of plugging procedures (Pressure greater than 25# or any liquids flowed to surface).</p> <p>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. 2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling. The Form 17 shall be submitted within 10 days of the test.</p>
	Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.
	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) If plug (580') not circulated to surface or does not remain there, then tag plug – must be 245' or shallower and provide 10 sx plug at the surface (inside and outside of casing). 3) Properly abandon flowlines as per Rule 1105. File electronic Form 42 once abandonment complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line the operator must submit a Flowline Report, Form 44.</p>

Attachment Check List

Att Doc Num	Name
401665778	FORM 6 INTENT SUBMITTED
402117560	PROPOSED PLUGGING PROCEDURE
402123227	WELLBORE DIAGRAM
402123228	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
Permit	Verified as drilled lat/long Verified completed intervals (360703, 360704) Verified production reporting	07/25/2019
Permit	Returned to draft - 7/25/2019 -J Sand perforation interval is incorrect on zones tab and wellbore diagram (360703, 360704) op submitted with corrections - 7/26	07/25/2019
Engineer	operator requested return to DRAFT for modifications	07/18/2019
Agency	Denver 4903 5035 118.2 295 163 32.15 NNT Upper Arapahoe 4649 4881 102.6 549 317 27.90 NNT Lower Arapahoe 4371 4574 92.3 827 624 25.10 NT Laramie-Fox Hills 3726 3953 175.2 1472 1245 42.04 NT Deepest WW 581'	08/11/2018
Well File Verification	Pass	06/11/2018

Total: 5 comment(s)