

FORM

6

Rev
02/20

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

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Date Received:

04/14/2020

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: 72400

Contact Name: Jeff Schneider

Name of Operator: PUBLIC SERVICE COMPANY OF COLORADO

Phone: (970) 867-9437

Address: 1123 W 3RD AVE

Fax: (970) 867-9137

City: DENVER State: CO Zip: 80223

Email: jeff@schneiderenergy.com

For "Intent" 24 hour notice required,

Name: Schure, Kym

Tel: (970) 520-3832

COGCC contact:

Email: kym.schure@state.co.us

Type of Well Abandonment Report: ☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

API Number 05-087-08006-00

Well Name: STORAGE UNIT

Well Number: 33

Location: QtrQtr: CNE Section: 34 Township: 2N Range: 60W Meridian: 6

County: MORGAN

Federal, Indian or State Lease Number:

Field Name: ROUNDUP

Field Number: 74950

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.100720 Longitude: -104.079820

GPS Data: GPS Quality Value: 1.4 Type of GPS Quality Value: PDOP Date of Measurement: 06/30/2010

GPS Instrument Operator's Name: Paul Kellog

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other This is a observation well in a gas storage field that is no longerCasing 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	6420	6428		B PLUG CEMENT TOP	6370

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	317	285	317	0	VISU
1ST	7+7/8	5+1/2	15.5	6,550	400	6,550	4,760	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6370 with 4 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 <u>5</u> sks cmt from <u>2450</u> ft. to <u>2400</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>15</u> sks cmt from <u>5560</u> ft. to <u>5460</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>15</u> sks cmt from <u>367</u> ft. to <u>267</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 367 ft. with 45 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at 2500 ft. with 45 sacks. Leave at least 100 ft. in casing 2450 CICR Depth

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

(Cast Iron Cement Retainer Depth)

Set _____ sacks half in. half out surface casing from _____ ft. to _____ ft. Plug Tagged: ☐

Set 15 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 Cut and Cap Date: _____
of _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

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

Signed: _____ Print Name: Jeff Schneider

Title: Consultant Date: 4/14/2020 Email: jeff@schneiderenergy.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: Wolfe, Stephen Date: 5/1/2020

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 10/31/2020

COA Type	Description
	<p>Venting</p> <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>
	<p>Plugging</p> <ol style="list-style-type: none"> 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) 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. 3) Plugs and squeezes will be placed as stated in the Plugging Procedure section of the approved NOIA unless revised by COA or prior approval from COGCC is obtained. 4) The wellbore must be static prior to placing cement plugs which are to be a minimum of 100' in length for all but surface plugs. Mechanical isolation requires a 25' cement plug, minimum. 5) Place a 50' plug (minimum) at the surface, both inside the inner most casing and in all annular spaces. Surface plugs shall be circulated to surface. Confirm cement to surface in all strings during cut and cap. 6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed. 7) Contact COGCC Area Inspector prior to commencing plugging operations. 8) No current Form 17 on file with COGCC. Contact COGCC area engineer with results of pre-plugging bradenhead test for confirmation of plugging procedure prior to commencing plugging operations. 9) After placing the shallowest hydrocarbon isolating plug (6370'), operator must wait a sufficient time on all subsequent plugs to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC Area Engineer before continuing operations. 10) Add Niobrara isolation at 5560-5460', 15 sx cement casing plug or CIBP with 4 sx of cement on top. Tag is required if circulation is not maintained while pumping and displacing plug to depth. 11) Change 15 sx casing plug at 2500' to a 50 sx squeeze at 2500', CICR = 2450' with 5 sx on top. If a CICR is not used, leave 100' inside casing and tag if circulation is not maintained while pumping and displacing plug to depth. 12) Perf and pump 60 sx balanced shoe plug at 367', no CICR. Tag at 267' or shallower if cement is not circulated to surface. 13) Submit gyro survey with Form 6 SRA if available.
	<p>Bradenhead Testing</p> <p>Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations.</p> <ol style="list-style-type: none"> 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. <p>The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.</p>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402370763	FORM 6 INTENT SUBMITTED
402370870	WELLBORE DIAGRAM
402370871	WELLBORE DIAGRAM
402370872	CEMENT BOND LOG

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	SB5-Denver Basin Aquifer Laramie-Fox Hills 4424 4635 136.8 238 27 32.83 NNT L-FH + 50 = 238 + 50 = 288' WW + Elev + 50 = 140 + 4662 - 4680 + 50 = 172' Logs 7/5/90 UPA base 1040' Req'd and rec'd new proposed WBD, replaced attachment.	04/23/2020

Total: 1 comment(s)