

FORM

6

Rev
11/20

State of Colorado Oil and Gas Conservation Commission

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



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Document Number:

402662236

Date Received:

04/19/2021

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 05-087-07483-00

Well Name: STORAGE UNIT

Well Number: 9

Location: QtrQtr: NENE Section: 22 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: 40.129620

Longitude: -104.077530

GPS Data: GPS Quality Value: 1.3 Type of GPS Quality Value: PDOP Date of Measurement: 06/30/2010

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other This is an observation well for the gas storage field and 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	6417	6424			

Total: 1 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	17+1/2	13+3/8	H-40	48	0	298	320	298	0	VISU
1ST	13+3/8	9+5/8	K-55	36	0	92	40	92	0	VISU
TAPER	7+7/8	5+1/2	K-55	15.5	92	6684	1510	6684	92	VISU

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6367 with 4 sacks cmt on top. CIBP #2: Depth 5470 with 4 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 10 sks cmt from 2500 ft. to 2400 ft. Plug Type: CASING Plug Tagged: ☐
Set 15 sks cmt from 350 ft. to 250 ft. Plug Type: CASING Plug Tagged: ☒
Set 10 sks cmt from 80 ft. to 0 ft. Plug Type: CASING Plug Tagged: ☐
Set 12 sks cmt from 80 ft. to 0 ft. Plug Type: ANNULUS Plug Tagged: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐
Perforate and squeeze at 350 ft. with 50 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 _____ sacks half in. half out surface casing from _____ ft. to _____ 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. of _____ inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____
Surface Plug Setting Date: _____ Cut and Cap Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

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

Technical Detail/Comments:

This well had a tapered string of 5-1/2" from 6684' to 92' then changes over to 9-5/8" with a PBR for 5-1/2" and the 9-5/8" runs to surface. There is 5-1/2" casing runs from 92' (stung into the PBR) to surface. This was done to accommodate a sub surface safety valve in the 5-1/2" casing string. The SSSV was pulled when 2-7/8" tubing was installed.
The 5-1/2" production casing and 9-5/8" taper string were cemented with 1270 sack of Howco Lite cement and 280 sack of 50/50 Poz mix cement. It was noted that they had good cement returns to surface but the CBL (dated 7/26/79) only records up to 4600', which is still in cement. We plan to run a new CBL from the CIBP @ 6367' to the top of cement or surface. The CBL will be emailed to the COGCC engineer for approval to proceed or changes in the plugging procedure. We will not proceed with the plugging operations until given approval by the COGCC Engineer.

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: 4/19/2021 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: 4/29/2021

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 10/28/2021

Condition of Approval

COA Type

Description

	<p>Venting 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>Bradenhead Testing 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. 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> <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>
	<p>Plugging 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Contact COGCC Area Inspector prior to commencing plugging operations. 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. For plugs not specified to be tagged, a tag is required if circulation is not maintained while pumping plug and displacing to depth. Tag at tops specified or shallower. Notify COGCC Area Engineer before adding cement to previous plug. 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) Properly abandon flowlines as per Rule 1105. Pursuant to Rule 911.a. Closure of Oil and Gas Facilities, Operator will submit Site Investigation and Remediation Workplans via Form 27 for COGCC prior approval before cutting and capping the plugged well, conducting flowline abandonment, and removing production equipment. Pursuant to Rule 1105.f. Abandonment Verification, within 90 days of an operator completing abandonment requirements for a flowline or crude oil transfer line, an operator must submit a Field Operations Notice, Form 42-Abandonment of Flowlines for on-location flowlines, and a Flowline Report, Form 44, for off-location flowlines or crude oil transfer lines. 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 (6367'), 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) Per Operator comments on NOI, run CBL to determine cement coverage and contact COGCC Area Engineer to confirm planned plugging procedure 11) Move CIBP at 6377 to 6367'. 12) Move CIBP at 5500 to 5470'. 13) Surface plug increased to 80-0', adjust cement volume accordingly.</p>

3 COAs

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402662236	FORM 6 INTENT SUBMITTED
402662675	CEMENT BOND LOG
402662710	WELLBORE DIAGRAM
402662719	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater:Quaternary alluvium, L-FH SB5 Laramie-Fox Hills 4436 4607 111.0 195 24 26.64 NNT Deepest Water Well: 180+4631-4622+50=239' Logs: 11/17/70 087-07152 L-FH base 195+4631-4627=199', UPPR base 1660'	04/26/2021
OGLA	COGCC OGLA Staff conducted its review of this Form 6 Notice of Intent (NOI) Well Abandonment Report in the context of SB 19-181 and the current rules. This Form 6 complies with applicable COGCC Rules and is adequately protective of public health, safety, welfare, the environment, and wildlife resources.	04/22/2021

Total: 2 comment(s)