

FORM
6Rev
12/05State 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:

401420542

Date Received:

10/04/2017

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: 69175

Contact Name: Jenifer Hakkarinen

Name of Operator: PDC ENERGY INC

Phone: (303) 8605800

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: Jenifer.Hakkarinen@pdce.com

For "Intent" 24 hour notice required,

Name: O'Donnell, Shaun

Tel: (720) 305-8280

COGCC contact:

Email: shaun.odonnell@state.co.us

API Number 05-123-24001-00

Well Name: TRACY

Well Number: 42-23

Location: QtrQtr: SENE Section: 23 Township: 7N Range: 66W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: EATON

Field Number: 19350

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.564270

Longitude: -104.737220

GPS Data:

Date of Measurement: 09/06/2006

PDOP Reading: 3.4

GPS Instrument Operator's Name: HOLLY L. TRACY

Reason for Abandonment: ☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 810

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	7389	7399			

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	608	425	608	0	VISU
1ST	7+7/8	4+1/2	10.5	7,536	160	7,536	6,560	CBL
S.C. 1.1				6,560	700	6,560	1,826	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7339 with 2 sacks cmt on top. CIBP #2: Depth 7015 with 2 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 260 sks cmt from 860 ft. to 0 ft. Plug Type: STUB PLUG 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 _____ 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
 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. _____ inch casing Plugging Date: _____
 of _____

*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:

Tracy 42-23 (05-123-24001)/Plugging Procedure (Intent)
 Producing Formation (Perforations): Codell: 7389'-7399'
 TD: 7581' PBDT: 7484'
 Surface Casing: 8 5/8" 24# @ 608' w/ 425 sxs
 Production Casing: 4 1/2" 10.5# @ 7536' w/ 860 sxs cmt (TOC Unknown).

Tubing: 2 3/8" tubing set @ 7378' (7/11/2013).

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7339'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 7015'. Top with 2 sxs 15.8#/gal CI G cement.
5. Run CBL to from 1800' to surface to determine top of cement.
6. Depending on where TOC is, follow the appropriate procedure below:
 - a. If TOC is below 840':
 - i. TIH with casing cutter. Cut 4 1/2" casing at 810'. Pull cut casing.
 - ii. TIH with tubing to 860'. Mix and pump 260 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
 - b. If TOC is between Surface-840'
 - i. TIH with perforation gun. Shoot 2 holes for annular squeeze 30' above TOC @ 1 SPF or preferred.
 - ii. Set CICR 15' above perf holes. Sting in and pump appropriate volume of 15.8#/gal CI G cement. Sting out and pump cement down tubing until cement circulates to surface, OR
 - i. TIH w/ 1 1/4" 3.02# CS Hydril stick pipe to TOC in production casing annular space. Mix and pump appropriate volume of cement from TOC to surface. Pull 1 1/4" tubing. Top remaining annular volume off.
 - ii. TIH with tubing to 810'. Mix and pump 65 sxs 15.8#/gal CI G cement down tubing.
 - c. If TOC is to Surface
 - i. TIH with tubing to 810'. Mix and pump 65 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
7. Cut surface casing 6' below ground level and weld on cap.

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

Signed: _____ Print Name: JEnifer Hakkarinen
Title: Reg Tech Date: 10/4/2017 Email: JEnifer.Hakkarinen@pdce.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: JENKINS, STEVE Date: 10/26/2017

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 4/25/2018

COA Type

Description

	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Prior to placing the 860' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders. 3) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 558' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment is complete.
	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.
	Prior to starting plugging operations a Bradenhead test shall be performed. 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. 3) If sampling is required contact COGCC engineering for an confirmation of plugging requirements prior to placing any plugs. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. The Form 17 shall be submitted within 10 days of the test.

Attachment Check List

Att Doc Num

Name

401420542	FORM 6 INTENT SUBMITTED
401420543	WELLBORE DIAGRAM
401420544	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Public Room	Document verification complete 10/06/17	10/06/2017
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Total: 1 comment(s)