

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

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12/09/2015

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: 69175

Contact Name: Kelsi Welch

Name of Operator: PDC ENERGY INC

Phone: (303) 831-3971

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: kelsi.welch@pdce.com

For "Intent" 24 hour notice required,

Name: Rickard, Jeff

Tel: (720) 305-8280

COGCC contact:

Email: jeffrey.rickard@state.co.us

API Number 05-123-12914-00

Well Name: SPAUR

Well Number: 10-2

Location: QtrQtr: SESW Section: 10 Township: 4N Range: 67W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 68106

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: 40.321390

Longitude: -104.879310

GPS Data:

Date of Measurement: 04/02/2008

PDOP Reading: 2.5

GPS Instrument Operator's Name: Holly L. Tracy

Reason for Abandonment:

☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ Other

Casing to be pulled:

☒ Yes☐ No

Estimated Depth: 5776

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 | 7213 | 7225 | | | |
| NIOBRARA | 6995 | 7087 | | | |

Total: 2 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 | 300 | 250 | 300 | 0 | VISU |
| 1ST | 7+7/8 | 4+1/2 | 11.6 | 7,306 | 370 | 7,306 | 5,786 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6940 with 2 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 55 sks cmt from 5900 ft. to 5650 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 165 sacks half in. half out surface casing from 450 ft. to 0 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 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:

Spaur #10-2 (05-123-12914)/Plugging Procedure (Intent)

1. MIRU pulling unit.
2. Blow down to tanks. Load with fluid to kill well.
3. TOOH with 2 1/16" (Might be 2 3/8" – no recent tubing record) production tubing.
4. Rig up wireline. RIH with CIBP. Set CIBP at 6,940'.
5. Load dump bailer with 2sx of 15.8#/gal CL G cement. TIH with dump bailer and spot on top of CIBP.
6. RIH w/ casing cutter and cut casing above TOC at 5,776'. Pull casing out of hole.
7. TIH with workstring to 5,900'. Circulate and condition well in preparation to pump cement stub plug.
8. RU cementers. Mix and pump 250' of cement with 55 sks of 15.8#/gal CL G cement.
9. Pull up tbg to 450'. Mix and pump 450' of cement with 165 sks of 15.8#/gal CL G cement.
10. 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: Kelsi Welch

Title: Regulatory Analyst Date: 12/9/2015 Email: kelsi.welch@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: 12/22/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 6/21/2016

| COA Type | Description |
|-----------------|---|
| | <p>Note changes to plugging procedure:</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) For 450' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be 200' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug.</p> <p>3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p> |

Attachment Check List

| Att Doc Num | Name |
|--------------------|-----------------------------|
| 1696627 | WELLBORE DIAGRAM- CURRENT |
| 400950483 | FORM 6 INTENT SUBMITTED |
| 400950540 | WELLBORE DIAGRAM |
| 400950542 | PROPOSED PLUGGING PROCEDURE |
| 400950543 | CEMENT BOND LOG |

Total Attach: 5 Files

General Comments

| User Group | Comment | Comment Date |
|-------------------|---|--------------------------|
| Permit | Attached current wellbore diagram and separated formations. Permitting Review Complete. | 12/22/2015 9:04:14 AM |
| Permit | ON HOLD: requesting a current Wellbore Diagram. | 12/22/2015 8:44:36 AM |
| Permit | Well Completion Report dated 3/3/1986. | 12/22/2015 8:44:35 AM |
| Public Room | Document verification complete 12/9/15 | 12/9/2015 2:54:20 PM |

Total: 4 comment(s)