

FORM
6Rev
05/18

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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| DE | ET | OE | ES |
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Document Number:

402260259

Date Received:

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: Valerie Danson

Name of Operator: PDC ENERGY INC

Phone: (970) 506-9272

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: valerie.danson@pdce.com

For "Intent" 24 hour notice required,

Name: Silver, Randy

Tel: (720) 827-6688

COGCC contact:

Email: randy.silver@state.co.us

API Number 05-123-21408-00

Well Name: LINKUS

Well Number: 41-24

Location: QtrQtr: NENE Section: 24 Township: 1N Range: 68W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

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: 40.042489

Longitude: -104.944685

GPS Data:

Date of Measurement: 07/23/2010

PDOP Reading: 2.7

GPS Instrument Operator's Name: Shantell Kling

Reason for Abandonment:

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

Casing to be pulled:

☒ Yes☐ No

Estimated Depth: 1920

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 |
|-----------|-----------|-----------|----------------|---------------------|------------|
| J SAND | 8260 | 8284 | | | |

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 | 876 | 780 | 876 | 0 | VISU |
| 1ST | 7+7/8 | 4+1/2 | 11.6 | 8,418 | 245 | 8,418 | 6,990 | CBL |
| | | | Stage Tool | 5,054 | 125 | 5,054 | 4,350 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8210 with _____ sacks cmt on top. CIBP #2: Depth 7760 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>25</u> | sks cmt from <u>8210</u> | ft. to <u>7880</u> | ft. | Plug Type: <u>CASING</u> | Plug Tagged: <input type="checkbox"/> |
| Set <u>32</u> | sks cmt from <u>7760</u> | ft. to <u>7338</u> | ft. | Plug Type: <u>CASING</u> | Plug Tagged: <input type="checkbox"/> |
| Set <u>25</u> | sks cmt from <u>5065</u> | ft. to <u>4735</u> | ft. | Plug Type: <u>CASING</u> | Plug Tagged: <input type="checkbox"/> |
| Set <u>100</u> | sks cmt from <u>1970</u> | ft. to <u>1720</u> | ft. | Plug Type: <u>STUB PLUG</u> | Plug Tagged: <input type="checkbox"/> |
| Set <u>310</u> | sks cmt from <u>1000</u> | ft. to <u>0</u> | ft. | Plug Type: <u>OPEN HOLE</u> | Plug Tagged: <input type="checkbox"/> |

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 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 *ATTACH JOB SUMMARY

Technical Detail/Comments:

Linkus 41-24 (05-123-21408)/Plugging Procedure (Intent)
 Producing Formation: J-Sand: 8260'-8284'
 Upper Pierre Aquifer: 200'-2170'
 TD: 8418' PBTD: 8388' (1/24/2004)
 Surface Casing: 8 5/8" 24# @ 876' w/ 780 sxs
 Production Casing: 4 1/2" 11.6# @ 8418' w/ 245 sxs cmt (TOC @ 6990' - CBL)
 • DV Tool @ 5015' w/ 125 sxs cmt (5054' - 4350' - CBL)
 • Cement Basket @ 8057'

Tubing: 2 3/8" tubing set @ 8206' (2/2/2004)

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8 tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 8210'.
4. TIH with tubing to 8210'. RU cementing company. Mix and pump 25 sxs 15.8#/gal CI G cement down tubing.
5. TIH with CIBP. Set BP at 7760'.
6. TIH with tubing to 7760'. RU cementing company. Mix and pump 32 sxs 15.8#/gal CI G cement down tubing.
7. Pick up tubing to 5065'. Mix and pump 25 sxs 15.8#/gal CI G cement down tubing.
8. TIH with casing cutter. Cut 4 1/2" casing at 1920'. Pull cut casing.
9. TIH with tubing to 1970'. RU cementing company. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing.
10. Pick up tubing to 1000'. Mix and pump 310 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
11. 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: Valerie Danson

Title: Reg Tech Date: Email: valerie.danson@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: Date:

CONDITIONS OF APPROVAL, IF ANY: Expiration Date:

COA Type Description

| | |
|--|--|
| | |
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Attachment Check List

Att Doc Num Name

| | |
|-----------|------------------|
| 402260313 | WELLBORE DIAGRAM |
| 402260314 | WELLBORE DIAGRAM |
| 402260315 | GYRO SURVEY |

Total Attach: 3 Files

General Comments

User Group Comment Comment Date

| | | |
|--|--|---------------------|
| | | Stamp Upon Approval |
|--|--|---------------------|

Total: 0 comment(s)