

FORM
6

Rev
12/05

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 |
| Document Number: 401492702 | | | |
| 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.

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|--|---|
| OGCC Operator Number: <u>69175</u> | Contact Name: <u>Jenifer Hakkarinen</u> |
| Name of Operator: <u>PDC ENERGY INC</u> | Phone: <u>(303) 8605800</u> |
| Address: <u>1775 SHERMAN STREET - STE 3000</u> | Fax: _____ |
| City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u> | Email: <u>Jenifer.Hakkarinen@pdce.com</u> |

| | | |
|--|--|----------------------------|
| For "Intent" 24 hour notice required, | Name: <u>Peterson, Tom</u> | Tel: <u>(303) 815-9641</u> |
| COGCC contact: | Email: <u>tom.peterson@state.co.us</u> | |

| | | |
|---|--|----------------------------|
| API Number <u>05-069-06336-00</u> | Well Name: <u>RYAN</u> | Well Number: <u>23-25U</u> |
| Location: QtrQtr: <u>NESW</u> Section: <u>25</u> Township: <u>5N</u> Range: <u>68W</u> Meridian: <u>6</u> | | |
| County: <u>LARIMER</u> | Federal, Indian or State Lease Number: _____ | |
| Field Name: <u>JOHNSON'S CORNER</u> | Field Number: <u>42570</u> | |

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.368610 Longitude: -104.956940

GPS Data:
Date of Measurement: 10/31/2007 PDOP Reading: 5.3 GPS Instrument Operator's Name: HOLLY L. TRACY

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems

Other _____

Casing to be pulled: Yes No Estimated Depth: 675

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 | 7070 | 7078 | | | |
| NIOBRARA | 6754 | 6843 | | | |

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 | 456 | 320 | 456 | 0 | VISU |
| 1ST | 7+7/8 | 4+1/2 | 10.5 | 7,655 | 235 | 7,655 | 6,226 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7481 with 2 sacks cmt on top. CIBP #2: Depth 6704 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 345 sks cmt from 725 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. 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:

Ryan 23-25U (05-069-06336)/Plugging Procedure (Intent)
 Producing Formation (Perforations): Niobrara: 6754'-6843' Codell: 7070'-7078' J-Sand: 7531'-7545'
 TD: 7705' PBD: 7633'
 Surface Casing: 8 5/8" 24# @ 456' w/ 320 sxs
 Production Casing: 4 1/2" 10.5# @ 7655' w/ 235 sxs cmt (TOC @ 6226' - CBL).

Tubing: 2 3/8" tubing set @ 7516' (1/30/2017).

Proposed Procedure:

1. Run gyro survey.
 2. MIRU pulling unit. Pull 2 3/8" tubing.
 3. RU wireline company.
 4. TIH with CIBP. Set BP at 7481'. Top with 2 sxs 15.8#/gal CI G cement.
 5. TIH with CIBP. Set BP at 6704'. Top with 2 sxs 15.8#/gal CI G cement.
 6. TIH with casing cutter. Cut 4 1/2" casing at 675'. Pull cut casing.
 7. TIH with tubing to 725'. RU cementing company. Mix and pump 345 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
 8. Cut surface casing 6' below ground level and weld on cap.
- If there is bradenhead pressure:
1. Run gyro survey.
 2. MIRU pulling unit. Pull 2 3/8" tubing.
 3. RU wireline company.
 4. TIH with CIBP. Set BP at 7481'. Top with 2 sxs 15.8#/gal CI G cement.
 5. TIH with CIBP. Set BP at 6704'. Top with 2 sxs 15.8#/gal CI G cement.
 6. TIH with casing cutter. Cut 4 1/2" casing at 1500'. Pull cut casing.
 7. TIH with tubing to 1550'. RU cementing company. Mix and pump 75 sxs 15.8#/gal CI G cement down tubing. Wait 8 hours or overnight. Check to see if there is any bradenhead pressure or fluid flow after stub plug is set. If there is, contact COGCC for further guidance. If there is not, move on to step 8.
 8. TIH with tubing to 675'. RU cementing company. Mix and pump 475 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
 9. 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: _____ 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: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: _____

| COA Type | Description |
|----------|-------------|
| | |

Attachment Check List

| Att Doc Num | Name |
|-------------|------------------|
| 401492709 | WELLBORE DIAGRAM |
| 401492710 | WELLBORE DIAGRAM |

Total Attach: 2 Files

General Comments

| User Group | Comment | Comment Date |
|------------|---------|---------------------|
| | | Stamp Upon Approval |

Total: 0 comment(s)