

FORM
6Rev
05/18State 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:

401206204

Date Received:

02/09/2017

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: Tel:

COGCC contact:

Email:

API Number 05-123-14034-00

Well Name: HINGLEY

Well Number: 2J

Location: QtrQtr: NWNW Section: 18 Township: 1N Range: 67W 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: 40.055089

Longitude: -104.937897

GPS Data:

Date of Measurement: 07/23/2010

PDOP Reading: 1.8

GPS Instrument Operator's Name: Shantell Kling

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☐ OtherCasing 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	8212	8240	01/13/2017	B PLUG CEMENT TOP	8162

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	318	215	318	0	VISU
1ST	7+7/8	4+1/2	11.6	8,348	500	8,348	6,733	CALC
			Stage Tool	1,012	150	1,062	575	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8162 with 2 sacks cmt on top. CIBP #2: Depth 7731 with 2 sacks cmt on top.
CIBP #3: Depth 7364 with 2 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 40 sks cmt from 1137 ft. to 708 ft. Plug Type: CASING Plug Tagged: ☐
Set 405 sks cmt from 708 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: ☐

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: 652 ft. 4+1/2 inch casing Plugging Date: 01/13/2017
of

*Wireline Contractor: Cased Hole Solutions

*Cementing Contractor: Ensign

Type of Cement and Additives Used: 15.8 PPG Class G Cement

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

*ATTACH JOB SUMMARY

Technical Detail/Comments:

Hingley 2J (05-123-14034)/Plugging Procedure

Producing Formation: J Sand 8212'-8240'

TD: 8350' PBTD: 8301'

Surface Casing: 8 5/8" 24# @ 318' w/ 215 sxs.

Production Casing: 4 1/2" 11.6# @ 8348' w/ 500 sks cmt

(TOC 6733' CBL. DV tool at 1012'. TOC unknown).

Tubing: 2 3/8" tubing set at 8195'.

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company. Run cement bond log from DV tool to surface to establish top of stage cement.
3. TIH with CIBP. Set BP at 8162'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 7731'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with CIBP. Set BP at 7364'. Top with 2 sxs 15.8#/gal CI G cement.
6. TIH with tubing to 1130'. RU cementing company. Mix and pump 40 sxs 15.8#/gal CL G balanced cement plug at 1130'.
7. RU Wireline cut casing at 652'. Mix and pump 405 sxs of 15.8#/gal CI G cement from 708' - 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: 2/9/2017 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: Jacobson, Eric

Date: 5/15/2018

CONDITIONS OF APPROVAL, IF ANY:

COA Type **Description**

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Attachment Check List

Att Doc Num **Name**

2137224	CBL
401206204	FORM 6 SUBSEQUENT SUBMITTED
401206291	WELLBORE DIAGRAM
401206292	CEMENT JOB SUMMARY

Total Attach: 4 Files

General Comments

User Group **Comment**

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)