

FORM
6Rev
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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Document Number:

400758793

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: 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: Precup, Jim

Tel: (303) 726-3822

COGCC contact:

Email: james.precup@state.co.us

API Number 05-123-07824-00

Well Name: GRANT BROTHERS

Well Number: 1

Location: QtrQtr: NENE Section: 11 Township: 2N 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: 40.157513

Longitude: -104.964627

GPS Data:

Date of Measurement: 07/26/2010

PDOP Reading: 1.7

GPS Instrument Operator's Name: Shantell Kling

Reason for Abandonment:

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

Estimated Depth:

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	7340	7358			
J-CODELL	7778	7806			
J SAND	7791	7806			

Total: 3 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	23	430	380	430	0	
1ST	9+7/8	4+1/4	11.6	7,883	200	7,883	7,003	

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7290 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 _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at <u>7215</u>	ft. with <u>340</u>	sacks. Leave at least 100 ft. in casing	<u>6515</u>	CICR Depth
Perforate and squeeze at <u>4825</u>	ft. with <u>45</u>	sacks. Leave at least 100 ft. in casing	<u>4740</u>	CICR Depth
Perforate and squeeze at <u>4110</u>	ft. with <u>45</u>	sacks. Leave at least 100 ft. in casing	<u>4025</u>	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:

Casing not being pulled due to encroachment on nearby building structures.

Proposed Plugging Procedure for GRANT BROTHERS 1 (API: 05-123-07824)

- 1) MIRU
- 2) Pull production tubing (2-3/8")
- 3) TIH, set CIBP @ 7290' (50' above top perf) w/ 2 sacks cement on top
- 4) Run CBL to confirm top of cement, depending on TOC:
- 5) TIH shoot perforations @ 7215'
- 6) Set cement retainer @ 6515'
- 7) TIH shoot perforations @ 6500'
- 8) Establish circulation through squeeze holes and pump 340sx suicide squeeze
- 9) Shoot squeeze perforations @ 4825'
- 10) Set cement retainer @ 4740'
- 11) Shoot squeeze perforations @ 4725'
- 12) Pump 45 sx squeeze plug (Shannon)
- 13) Shoot squeeze perforations @ 4110'
- 14) Set cement retainer @ 4025'
- 15) Shoot squeeze perforations @ 4010'
- 16) Pump 45sx squeeze plug (Sussex)
- 17) Shoot perfs @ 600'
- 18) Establish circulation and pump 410 sacks cement down 4-1/2" casing up annulus
- 19) WOC tag top of cement, top off at surface if needed
- 20) Cut & weld on cap
- 21) RDMOL

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: Regulatory 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: _____

Attachment Check List

Att Doc Num

Name

400758873	WELLBORE DIAGRAM
400758874	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)