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401066894

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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: Helgeland, Gary Tel: (970) 216-5749
COGCC contact: Email: gary.helgeland@state.co.us

API Number 05-123-20226-00 Well Name: HALL Well Number: 42-12
 Location: QtrQtr: SENE Section: 12 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: 40.155813 Longitude: -104.944172
 GPS Data:
 Date of Measurement: 07/23/2010 PDOP Reading: 2.3 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: 875
 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	7844	7880			

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	663	465	663	0	VISU
1ST	7+7/8	4+1/2	11.6	8,029	250	8,029	6,590	CBL
S.C. 1.1	7+7/8	4+1/2		4,900	150	4,900	3,006	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7794 with 2 sacks cmt on top. CIBP #2: Depth 7410 with 2 sacks cmt on top.
 CIBP #3: Depth 7140 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 4960 ft. to 4330 ft. Plug Type: CASING 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 360 sacks half in. half out surface casing from 960 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:

Hall 42-12 (05-123-20226)/Plugging Procedure (Intent)
 Producing Formation: J Sand 7844'-7880'
 TD: 8029' PBD: 7971'
 Surface Casing: 8 5/8" 24# @ 663' w/ 465 sxs.
 Production Casing: 4 1/2" 11.6# @ 8029' w/ 250 sks cmt. Cement squeeze @ 4900' with 150 sxs.
 (TOC 6590' and 3006' CBL.).
 Tubing: 2 3/8" tubing set at 7820'. (4/12/2002)
 Proposed Procedure:
 1. MIRU RU pulling unit. Pull 2 3/8" tubing.
 2. RU wireline company.
 3. TIH with CIBP. Set BP at 7794'. Top with 2 sxs 15.8#/gal CI G cement.
 4. TIH with CIBP. Set BP at 7410'. Top with 2 sxs 15.8#/gal CI G cement.
 5. TIH with CIBP. Set BP at 7140'. Top with 2 sxs 15.8#/gal CI G cement.
 6. TIH with tubing to 4960'. RU cementing company. Mix and pump 40 sxs 15.8#/gal CI G balanced cement plug at 4960'.
 7. TIH with casing cutter. Cut 4 1/2" casing at 875'. Recover 4 1/2" casing.
 8. TIH with tubing to 925'. Mix and pump 360 sxs of 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: 6/22/2016 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: McCoy, Diane

Date: 7/8/2016

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 1/7/2017

COA Type	Description
	<p>1) Prior to starting plugging operations, a bradenhead test shall be performed. If any pressure remains at the conclusion of the test or any liquids were present contact COGCC Engineer for sampling requirements. The Form 17 shall be submitted within 10 days of the test.</p> <p>2) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p> <p>4) Stub plug is also surface casing shoe plug; if this plug is not circulated to surface then tag plug – must be 563' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the wellbore for each plug.</p>

Attachment Check List

Att Doc Num	Name
401066894	FORM 6 INTENT SUBMITTED
401066898	WELLBORE DIAGRAM
401066899	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Public Room	Document verification complete 06/28/16	6/28/2016 11:58:04 AM

Total: 1 comment(s)