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401472422

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12/04/2017

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: O'Donnell, Shaun Tel: (720) 305-8280

COGCC contact: Email: shaun.odonnell@state.co.us

API Number 05-123-25551-00

Well Name: ANDERSON Well Number: 43-34

Location: QtrQtr: NESE Section: 34 Township: 7N Range: 66W Meridian: 6

County: WELD Federal, Indian or State Lease Number: _____

Field Name: EATON Field Number: 19350

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.529640 Longitude: -104.757220

GPS Data:
Date of Measurement: 04/01/2008 PDOP Reading: 2.4 GPS Instrument Operator's Name: HOLLY TRACY

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____

Casing 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	7358	7368			
NIOBRARA	7103	7216			

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	905	640	905	0	VISU
1ST	7+7/8	4+1/2	10.5	7,507	795	7,507	0	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7053 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 90 sks cmt from 1150 ft. to 0 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 _____ 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 Plugging Date: _____
of _____
*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:

Anderson 43-34 (05-123-25551)/Plugging Procedure (Intent)
Producing Formation (Perforations): Niobrara: 7103'-7216' Codell: 7358'-7368'
TD: 7510' PBD: 7479'
Surface Casing: 8 5/8" 24# @ 905' w/ 640 sxs
Production Casing: 4 1/2" 10.5# @ 7507' w/ 795 sxs cmt (TOC @ Surface' - CBL).

Tubing: 2 3/8" tubing set @ 7343' (3/19/2014).

Proposed Procedure:

1. RU wireline company. Remove stage tool set at 5005' (4/3/2015).
2. MIRU pulling unit. Pull 2 3/8" tubing.
3. RU wireline company.
4. TIH with CIBP. Set BP at 7053'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with tubing to 1150'. RU cementing company. Mix and pump 90 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
6. 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: 12/4/2017 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: HICKEY, MIKE Date: 12/21/2017

COA Type	Description
	Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) Prior to placing the 1050' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging requirements. 3) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – top of plug must be not deeper than 855' and provide minimum 10 sx plug at the surface. Leave at least 100' of cement in the wellbore for each plug. 4) Properly abandon all flowlines. Once flowlines are properly abandoned, file electronic form 42.

Attachment Check List

Att Doc Num	Name
401472422	FORM 6 INTENT SUBMITTED
401475188	WELLBORE DIAGRAM
401475189	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Public Room	Document verification complete 12/20/17	12/20/2017
Engineer	Bradenhead test dated 12/16/2017 shows no pressure/no flow. No additional Bradenhead test is required.	12/20/2017

Total: 2 comment(s)