



DE ET OE ES

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400503386

Date Received:
11/04/2013

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: Christine Brookshire
 Name of Operator: PDC ENERGY INC Phone: (303) 860-5800
 Address: 1775 SHERMAN STREET - STE 3000 Fax: (303) 860-5838
 City: DENVER State: CO Zip: 80203 Email: christine.brookshire@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 05-123-12966-00 Well Name: BERG Well Number: 33-15
 Location: QtrQtr: NWSE Section: 15 Township: 6N Range: 66W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 55532
 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: 40.486399 Longitude: -104.761253
 GPS Data:
 Date of Measurement: 05/04/2010 PDOP Reading: 1.7 GPS Instrument Operator's Name: Chuck Kraft
 Reason for Abandonment: Dry Production for Sub-economic Mechanical Problems
 Other Offset Option #2
 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	7228	7240			
NIOBRARA	7048	7066			
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	13+3/4	8+5/8	24	240	180	240	0	
1ST	7	4+1/2	11.6	7,343	225	7,343	0	

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7000 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 50 sks cmt from 6500 ft. to 6490 ft. Plug Type: STUB PLUG Plug Tagged:
Set 200 sks cmt from 3500 ft. to 4500 ft. Plug Type: OPEN HOLE 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 200 sacks half in. half out surface casing from 655 ft. to 0 ft. Plug Tagged:

Set 10 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:

Plugging Procedure
Codell/Niobrara
Existing Perforations:
Codell: 7228'-7240'
Niobrara: 7048'-7066'
PBSD: 7343'
8 5/8" 24# @ 240' W/ 180 sks cmt.
4 1/2" 11.6# @ 7343' w/ 225 sks cmt
Procedure:
1)MIRU wireline
2)RIH w/CIBP set @ 7000'
3)RIH w/dump bailer and dump 2 sx cement on top of CIBP
4)RIH w/casing cutter, cut & pull casing @ ~6500'
5)TIH set 50 sack plug @ casing stub (~6500')
6)TIH to tag stub plug
7)TIH to set 200 sack plug to cover Parkman/Sussex (3500'-4500')
8)TOH and set 200 sack cement plug 500' to surface
9)Set 10 sx @ top of surface
10)Cut casing 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: Christine Brookshire
Title: Regulatory Tech Date: 11/4/2013 Email: christine.brookshire@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, MIKE

COGCC Approved:

Date: 11/8/2013

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 5/7/2014

COA Type

Description

	Note changes to plugging procedure. 1) Provide 24 hour notice of MIRU to Jim Precup at 303 726-3822 or e-mail at james.precup@state.co.us. 2) For 655' plug: pump plug and displace, if cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – must be 190' or shallower. Leave at least 100' cement in the wellbore for each plug. 3) Properly abandon flowlines as per Rule 1103.
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Attachment Check List

Att Doc Num

Name

400503386	FORM 6 INTENT SUBMITTED
400506742	PROPOSED PLUGGING PROCEDURE
400506743	WELLBORE DIAGRAM
400506744	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

Engineer	Deepest water well w/in 1 Mile is 605' requiring aquifer coverage to 655'.	11/8/2013 9:00:38 AM
Permit	2009 5A states top Niobrara perf is 6926'.	11/5/2013 2:53:55 PM

Total: 2 comment(s)