

Document Number:
401148759

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: Kelsi Welch
 Name of Operator: PDC ENERGY INC Phone: (303) 831-3974
 Address: 1775 SHERMAN STREET - STE 3000 Fax: _____
 City: DENVER State: CO Zip: 80203 Email: kelsi.welch@pdce.com

For "Intent" 24 hour notice required, Name: Gomez, Jason Tel: (970) 573-1277
 COGCC contact: Email: jason.gomez@state.co.us

API Number 05-123-13083-00 Well Number: 19-1
 Well Name: LOUIS KLEIN
 Location: QtrQtr: SENE Section: 19 Township: 5N Range: 64W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 69055
 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: 40.386358 Longitude: -104.585801
 GPS Data:
 Date of Measurement: 04/22/2010 PDOP Reading: 2.4 GPS Instrument Operator's Name: Chuck Kraft
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other Holes in casing
 Casing to be pulled: Yes No Estimated Depth: 510
 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
NIOBRARA	6666	6772	10/28/2016	B PLUG CEMENT TOP	6610
CODELL	6870	6880	10/28/2016	BRIDGE PLUG	6822

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	307	217	307	0	
1ST	7+7/8	4+1/2	15.1	6,981	230	6,981	6,030	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ 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 40 sks cmt from 6300 ft. to 5800 ft. Plug Type: CASING Plug Tagged:
Set 210 sks cmt from 560 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: _____ 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:

Louis Klein 19-1 (05-123-13083)/Plugging Procedure (Intent)
Producing Formation: Codell 6870'-6880' Niobrara 6666'-6772'
Existing CIBP: at 6610' with 2 sxs cmt.
TD: 6990' PBDT: Unknown
Surface Casing: 8 5/8" 24# @ 307' w/ 217 sxs
Production Casing: 4 1/2" 15.1# @ 6981' w/ 230 sks cmt (TOC 6030 - CBL)

Tubing: 2 3/8" tubing set at 6169'. (10/31/2016)

Proposed Procedure:

1. MIRU RU pulling unit
2. Re-set 2 3/8" tubing at 6330'. Mix and pump 40 sxs of 15.8#/gal CI G cement down tubing.
3. TIH with casing cutter. Cut 4 1/2" casing at 510'. Pull cut casing.
4. TIH with tubing to 560'. Mix and pump 210 sxs of 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
5. 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: Kelsi Welch
Title: Production Tech Date: _____ Email: kelsi.welch@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: _____

COA Type

Description

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Attachment Check List

Att Doc Num

Name

401148763	WELLBORE DIAGRAM
401148764	WELLBORE DIAGRAM
401148771	WIRELINE JOB SUMMARY

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)