

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.

Document Number:
401127912

Date Received:
10/11/2016

OGCC Operator Number: 10383 Contact Name: Tom Metzger

Name of Operator: SOVEREIGN OPERATING COMPANY LLC Phone: (303) 297-0347

Address: 475 17TH STREET #1200 Fax: (303) 586-5074

City: DENVER State: CO Zip: 80202 Email: tmetzger@bsegllc.com

For "Intent" 24 hour notice required, Name: Helgeland, Gary Tel: (970) 216-5749

COGCC contact: Email: gary.helgeland@state.co.us

API Number 05-001-06818-00 Well Number: 1

Well Name: BERGMAN

Location: QtrQtr: NWNE Section: 23 Township: 1S Range: 66W Meridian: 6

County: ADAMS 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: 39.955860 Longitude: -104.738340

GPS Data:
Date of Measurement: 10/26/2010 PDOP Reading: 2.5 GPS Instrument Operator's Name: Robert Anderson

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
J SAND	8018	8058	08/23/2002	B PLUG CEMENT TOP	7850

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	211	160	211	0	VISU
1ST	7+7/8	4+1/2	11.6	8,174	150	8,174	7,514	CALC
			Stage Tool	1,340	350	1,340	0	CALC

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 100 sks cmt from 1340 ft. to 0 ft. Plug Type: CASING Plug Tagged:
Set 10 sks cmt from 7464 ft. to 7364 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:

Perforate and squeeze at 7514 ft. with 150 sacks. Leave at least 100 ft. in casing 7464 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:

Document 2337530 shows plug at 7950', Operator has no record of setting this plug. MIT, Run CBL, verify TOC 200' above Niobrara or squeeze to get TOC above 7190'. Verify cement from DV tool at 1340' into surface casing, squeeze as necessary to bring cement into surface casing.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Sarah Newton
Title: Accountant Date: 10/11/2016 Email: engineering@petersonenergyoperating.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: BURN, DIANA Date: 10/22/2016

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 4/21/2017

COA Type	Description
	<p>NOTE: Changes in plugging procedure. CBL to be run prior to plugging to verify stage tool setting depth and existing coverage - submit to COGCC for verification of plugging orders.</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) If surface casing plug is not circulated to surface (or falls back) tag plug – must be 150' or shallower and provide 10 sx plug at the surface or top off.</p> <p>3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p>
	<p>Prior to initiation of plugging operations, a Bradenhead test shall be performed. If any pressure remains at the conclusion of the test or any liquids were present call COGCC Engineer for sampling requirements. Form 17 shall be submitted within 10 days.</p>

Attachment Check List

Att Doc Num	Name
401127912	FORM 6 INTENT SUBMITTED
401128456	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
Engineer	Denver 5006 5075 51.4 62 -7 13.98 NNT Upper Arapahoe 4790 4979 59.1 278 89 16.06 NNT Lower Arapahoe 4442 4715 102.5 626 353 27.89 NT Laramie-Fox Hills 3797 4041 181.0 1271 1027 43.43 NT	10/22/2016 8:18:50 PM
Public Room	Document verification complete 10/14/16	10/14/2016 3:46:37 PM

Total: 2 comment(s)