

Document Number:  
401435824

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: 10633 Contact Name: Toby Sachen  
 Name of Operator: CRESTONE PEAK RESOURCES OPERATING LLC Phone: (720) 410-8536  
 Address: 1801 CALIFORNIA STREET #2500 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80202 Email: toby.sachen.contractor@crestonepr.com

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

API Number 05-123-15074-00  
 Well Name: HALEY Well Number: 3-22  
 Location: QtrQtr: NESE Section: 22 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: 40.121254 Longitude: -104.983381  
 GPS Data:  
 Date of Measurement: 04/12/2010 PDOP Reading: 4.5 GPS Instrument Operator's Name: bstoeppel  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 1700  
 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	8010	8044			

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	553	400	553	0	VISU
1ST	7+7/8	4+1/2	11.6	8,398	370	8,398	6,920	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7920 with 4 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 75 sks cmt from 1400 ft. to 1700 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 150 sks cmt from 400 ft. to 900 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 175 sks cmt from 0 ft. to 400 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:

Perforate and squeeze at 4250 ft. with 190 sacks. Leave at least 100 ft. in casing 4190 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:

1. Submit electronic Form 42 to COGCC 48 hours prior to performing Form 17 Bradenhead Test. (New test not required if Bradenhead Test has been completed within 6 months of plugging operations.)
  2. Perform Form 17 Bradenhead Test and sample for gas, water, and oil per COGCC Regulation if required.
  3. Submit electronic Form 42 to COGCC 48 hours prior to MIRU.
  4. Submit form for Ground Disturbance Permit. Get One Call.
  5. Notify Automation and Production Department.
  6. Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins.
  7. Ensure any fluids that will be left in the wellbore are treated with biocide.
  8. MIRU workover unit. ND wellhead, NU BOP.
  9. TOOH w/tubing.
  10. RU wireline and RIH with CIBP. Set at ~7920' (within 100' above J Sand perms, between collars). POOH with wireline. Pressure test plug to 500 psi. Hold pressure for 15 min. Chart pressure on 1000 psi pressure chart. If recorder is unavailable, verify pressure test with gauge and time via photos.
  11. RIH w/wireline and dump bail 2 sx G Neat cement on top of CIBP.
  12. RIH w/wireline and shoot squeeze holes @ ~4250' (~ 100' above the top of the Sussex, between collars). POOH w/wireline.
  13. TIH w/tubing and set composite cement retainer @ ~4190' (between collars).
  14. Establish injection through retainer. If circulation through bradenhead can be established, contact Production Engineer to modify plan forward and circulate SAPP / surfactants to surface and condition hole for a minimum of 12 hrs .
  15. Pump SMS and CaCl2 ahead of 150 sx (~24 bbl bbl) thixotropic cement, under-displacing by 1 bbl (5 sx, ~65') to leave on top of retainer. Sting out of retainer, reverse circulate to clear tubing, and TOOH.
  16. Run CBL to confirm a minimum of 200' good cement was placed above the top of the Sussex. Contact Production Engineer if cement is not adequate or if any bradenhead pressure exists to modify procedure forward.
  17. ND 7-1/16" BOP and wellhead. NU 11" BOP on surface casing. RU casing tongs and pipe wrangler.
  18. Cut 4-1/2" casing at 1700' with jet cutter. Pull casing with spear to first joint, remove casing slips. Circulate and clean open hole/annulus with SAPP and sweeps.
  19. Spot 75 sx balanced stub plug. Trip out of hole laying down casing to 900'.
  20. Spot balanced plug 900' to 400'.
  21. TOOH, laying down remainder of 4-1/2" casing.
  22. RU wireline. RIH and tag TOC with gauge ring. Verify TOC is at least 100' inside 8 5/8" casing shoe. Set CIBP @ 400', POOH.
  23. TIH, spot balanced plug from 400' to surface. TOOH laying down all tubing.
  24. ND BOP, RDMO pulling unit.
  25. Per ground disturbance procedure/policy, excavate around wellhead. Notify Environmental Department for surface review and inspection while digging.
  26. Cut off casing 4 ft below ground level.
  27. Weld on metal plate and dry hole marker.
  28. Contact Production Department to coordinate LOTO and disconnect flowlines at separator. Notify Integrity Department to properly abandon flowlines as per Rule 1103 by removing them.
  29. Restore surface location.
  30. Ensure all pressure charts, CBLs, cement and wireline tickets are emailed to the office for subsequent reporting. Emails shall be sent to Production Engineer, Workover Coordinator, and Production Technician.
  31. Submit Form 6 Subsequent Report of Abandonment documenting the P&A to COGCC.
- Commented [NK9]: I'd like to look at not doing complete fills here and spot balance plugs as needed to get the required coverages. I don't think a solid plug buys any more barriers than well placed balance plugs and we end up potentially wasting cement where it wont otherwise improve the

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

Signed: \_\_\_\_\_ Print Name: Toby Sachen  
 Title: Contractor Date: \_\_\_\_\_ Email: toby.sachen.contractor@crestonepr.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: \_\_\_\_\_

<b>COA Type</b>	<b>Description</b>

## Attachment Check List

**Att Doc Num**

**Name**

401435845	WELLBORE DIAGRAM
401437016	PROPOSED PLUGGING PROCEDURE

Total Attach: 2 Files

## General Comments

**User Group**

**Comment**

**Comment Date**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)