

FORM  
6Rev  
02/20

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

402303925

Date Received:

02/05/2020

## 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: 10071

Contact Name: Allie Ryan

Name of Operator: HIGHPOINT OPERATING CORPORATION

Phone: (303) 312-8153

Address: 555 17TH ST STE 3700

Fax:

City: DENVER State: CO Zip: 80202

Email: arian@hpres.com

**For "Intent" 24 hour notice required,**

Name: Evins, Bret

Tel: (970) 420-6699

**COGCC contact:**

Email: bret.evins@state.co.us

Type of Well Abandonment Report: ☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

API Number 05-123-47300-00

Well Name: Critter Creek

Well Number: 15-6104BW

Location: QtrQtr: SWSW Section: 15 Township: 11N Range: 63W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: HEREFORD

Field Number: 34200

### Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.916243 Longitude: -104.424269

GPS Data: GPS Quality Value: 1.3 Type of GPS Quality Value: PDOP Date of Measurement: 03/26/2018

GPS Instrument Operator's Name: CHAD MEIERS

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other Re-Drill Rig SkidCasing to be pulled: ☐ Yes ☒ No Estimated Depth:Fish in Hole: ☒ Yes ☐ No If yes, explain details belowWellbore 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

Total: 0 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+1/2	9+5/8	36	1,550	445	1,550	0	VISU
1ST	8+3/4	7	23	7,894	600	7,894		CALC
1ST LINER	6+1/8	4+1/2	11.6	17,881	740	17,881	7,547	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6835 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 25 sks cmt from 6730 ft. to 6830 ft. Plug Type: CASING Plug Tagged: ☒  
Set 25 sks cmt from 1500 ft. to 1600 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 \_\_\_\_\_ 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 25 sacks half in. half out surface casing from 100 ft. to 0 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 Cut and Cap Date: \_\_\_\_\_  
of \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

Resubmitting NOI as well was not plugged within 6 months of original submittal date.

Diana Burn provided verbal approval for a request to plug lost hole, skid rig, and drill replacement well on 9/11/2018. See attached email correspondence for details.

While attempting to release from the 4 1/2 casing liner hanger, there was some sort of failure that would not allow us to sting out of the liner hanger to circulate off the excess cement from around the drill pipe. While attempting all options to release from hanger, too much time had passed and the cement cured. We began pipe recovery operations on Friday afternoon (9/7/2018) with very little progress. The decision was made to re-drill the well. We will put a new surface hole location on the Critter Creek 15 SW pad in line with other wells, 15 to the east of the 6104BE well.

The total MD of the hole to be abandoned is 17886MD.

9 5/8 surface casing is set at 1549MD.

There is a cemented fish in the hole at 7070 MD to 7547MD.

On 9/10 a cast iron bridge plug was set at 6835 MD (KOP of curve).

Sidetrack KOP is 0MD on new well.

The objective formation for the sidetrack hole is the Niobrara formation, which is the same objective formation as the wellbore being abandoned.

The PBHL of the sidetrack hole is the same as the wellbore being abandoned.

CBL was not ran due to the fact this well will be PA'd, no top of cement is available to record in the casing history tab.

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

Signed: \_\_\_\_\_ Print Name: Allie Ryan

Title: Regulatory Analyst Date: 2/5/2020 Email: aryan@hpres.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: 2/27/2020

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 8/26/2020

**COA Type**

**Description**

	<p>Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations.</p> <p>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.</p>
	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Prior to placing the 1600' 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 orders.</p> <p>3) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 1500' or shallower and provide 10 sack plug at surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug.</p> <p>5) Properly abandon on-location flowlines as per Rule 1105. File electronic Form 42 once abandonment is complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line, the operator must submit a Flowline Report, Form 44.</p> <p>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>7) After placing the shallowest hydrocarbon isolating plug (6830'), operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC engineering before continuing operations.</p>
	<p>Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.</p>

**Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
402303925	FORM 6 INTENT SUBMITTED
402303961	PROPOSED PLUGGING PROCEDURE
402303962	WELLBORE DIAGRAM
402303964	OTHER
402303973	WELLBORE DIAGRAM

Total Attach: 5 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Well file verification not completed prior to approval of NOIA.	02/27/2020
Engineer	Deepest Water Well within 1 Mile – 440' SB5 Base of Fox Hills - N/A	02/27/2020
Permit	Verified as drilled lat/long This wellbore was never completed - no completed zones 5A was submitted and approved that reported the bridge plug placed to TA this wellbore Verified production reporting	02/13/2020

Total: 3 comment(s)