

FORM  
6Rev  
12/05State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Replug By Other Operator

Document Number:

401348979

Date Received:

07/24/2017

## 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: 10625

Contact Name: Patrick Lambie

Name of Operator: HIGHLANDS NATURAL RESOURCES

Phone: (315) 532-1852

Address: 2401 EAST 2ND AVENUE SUITE 150

Fax:

City: DENVER State: CO Zip: 80206

Email: patrick.lambie@iptenergyservices.com

For "Intent" 24 hour notice required,

Name: Sherman, Susan

Tel: (719) 775-1111

COGCC contact:

Email: susan.sherman@state.co.us

API Number 05-005-06602-00

Well Name: SMOKEY HILL-STATE

Well Number: 4-22

Location: QtrQtr: NWNW Section: 22 Township: 5S Range: 64W Meridian: 6

County: ARAPAHOE

Federal, Indian or State Lease Number: 70-8012/S

Field Name: WILDCAT

Field Number: 99999

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

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

Latitude: 39.606455

Longitude: -104.545888

GPS Data:

Date of Measurement:

PDOP Reading:

GPS Instrument Operator's Name:

Reason for Abandonment:

☐ Dry☐ Production Sub-economic☐ Mechanical Problems☒ Other Remediation PA to COGCC standards

Casing to be pulled:

☐ Yes☒ No

Estimated Depth: 8377

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

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	12+1/4	8+5/8	24	201	150	201	0	VISU
OPEN HOLE	7+7/8			8,377				

## 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	90	sks cmt from	8262	ft. to	7900	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input checked="" type="checkbox"/>
Set	160	sks cmt from	7750	ft. to	7128	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input checked="" type="checkbox"/>
Set	75	sks cmt from	2030	ft. to	1780	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input checked="" type="checkbox"/>
Set	50	sks cmt from	1463	ft. to	1293	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input type="checkbox"/>
Set	50	sks cmt from	950	ft. to	700	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input type="checkbox"/>

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 75 sacks half in. half out surface casing from 250 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 Plugging Date: \_\_\_\_\_  
of \_\_\_\_\_

\*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:

Program of Operations  
1 Excavate around wellbore  
2 Clean and weld on stub to the 8-5/8" Casing  
3 Install bowl and BOPs  
4 Drill out cement and wash down with stiff BHA to 8262'  
5 Spot plug from 8262'-7900' with class G cement (90 sx) and tag once set  
6 Spot plug from 7750-7128' with class G cement (160 sx) and tag once set  
7 Spot plug from 50' below the base of the Fox Hills (75 sx) with class G cement and tag plug once set  
8 Spot plug from 50' below the base of the Arapahoe (50 sx) with class G cement (no tag).  
9 Set 20 sx surface plug. Cut off 4' below surface and cap with plate showing well details.

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

Signed: \_\_\_\_\_ Print Name: Paul Gottlob  
Title: Regulatory & Engin. Tech. Date: 7/24/2017 Email: paul.gottlob@iptenergyservices.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: 8/4/2017

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 2/3/2018

<b>COA Type</b>	<b>Description</b>
	NOTE: Changes in plugging procedure - additional plugs and plug depths changed 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) If surface casing plug not circulated to surface then tag plug – must be 150' or shallower and provide 10 sx plug at the surface. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.
	Submit "as-drilled" GPS data on Subsequent Report of Abandonment. GPS data must meet the requirements of Rule 215.

### **Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
401348979	FORM 6 INTENT SUBMITTED
401349014	OPERATIONS SUMMARY
401349017	WELLBORE DIAGRAM
401349021	WELLBORE DIAGRAM

Total Attach: 4 Files

### **General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Engineer	Denver 4945 5773 346.1 897 69 94.14 NNT Upper Arapahoe 4429 4862 210.7 1413 980 57.31 NT Lower Arapahoe -- -- -- -- -- Laramie-Fox Hills 3869 4106 155.3 1973 1736 37.28 NT  DIL 2030'	08/04/2017
Public Room	Well file not found for verification - passed task 07/28/17	07/28/2017
Permit	Verified reported lat/long on COGIS map, but required GPS data is missing.  Verified Well Completion Report Form 5 (Doc# 428859, 3/9/1973): no perfs reported. Verified Sundry Form 4 (Doc# 428867, 3/9/1973) old plugging record: plugs at 1670-1800', 180', and top of surface casing. Attached wellbore diagram also reports this plugging. Well never produced - no production reporting.  Permitting review complete.	07/25/2017

Total: 3 comment(s)