

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:
401348979

Date Received:
07/24/2017

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:
Set 160 sks cmt from 7750 ft. to 7128 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 75 sks cmt from 2030 ft. to 1780 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 50 sks cmt from 1463 ft. to 1293 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 50 sks cmt from 950 ft. to 700 ft. Plug Type: OPEN HOLE 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 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

<u>COA Type</u>	<u>Description</u>
	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

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

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
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 perms 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)