

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

Document Number:

401305897

Date Received:

06/12/2017

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: 27635

Contact Name: Neel Duncan

Name of Operator: ENERGY SEARCH CO ADBA ENERGY SEARCH CO

Phone: (303) 947-9402

Address: PO BOX 1896

Fax:

City: EDWARDS State: CO Zip: 81632

Email: neel.duncan@iptenergyservices.com

For "Intent" 24 hour notice required,

Name: Helgeland, Gary

Tel: (970) 216-5749

COGCC contact:

Email: gary.helgeland@state.co.us

API Number 05-001-06851-00

Well Name: TSUZUKI

Well Number: 2

Location: QtrQtr: NENE Section: 28 Township: 1S Range: 67W Meridian: 6

County: ADAMS

Federal, Indian or State Lease Number:

Field Name: SPINDLE

Field Number: 77900

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.941327

Longitude: -104.886802

GPS Data:

Date of Measurement: 06/13/2012

PDOP Reading: 4.4

GPS Instrument Operator's Name: Sarah Burkhalter

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other Building a Middle School on site.Casing to be pulled: ☐ Yes ☒ No

Estimated Depth: 5170

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
SUSSEX	5077	5099			

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	10	8+5/8	24	94	100	94	0	VISU
1ST	7+7/8	4+1/2	10.5	5,168	200	5,168	4,368	CALC
			Stage Tool	1,216	200	1,216	416	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4977 with 10 sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 15 sks cmt from 1250 ft. to 1110 ft. Plug Type: CASING Plug Tagged: ☒
Set 20 sks cmt from 600 ft. to 400 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 5077 ft. with 40 sacks. Leave at least 100 ft. in casing 4977 CICR Depth

Perforate and squeeze at 250 ft. with 100 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. _____ 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:

Proposed PA procedure:
1. TIH w/ 4-1/2", 10.5# Csg scraper to PBTD.
2. Run CBL f/ 5000' to Surface.
3. Contact COGCC. Review CBL for Fox Hills & Arapahoe coverage.
4. Set CICR @ 4820'. (Confirm within Annulus TOC) establish rate.
5. Squeeze Sussex s/ 40 sx under & 10 sx on top of Cmt Retainer.
6. If CBL confirms cement above DV Tool, there will be NO squeezing.
7. Spot 15 sx @ 1216'.
8. Spot 15 sx @ 600'.
9. Spot 20 sx f/ 200' to Surface.
10. Excavate, cut off 30' below ground level, weld on plate w/ well name & API#.

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: 6/12/2017 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: 6/18/2017

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 12/17/2017

<u>COA Type</u>	<u>Description</u>
	<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. CICR lowered and shoe plug now perforated and circulated to surface.</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) For 1250' plug: pump plug and displace - tag plug – must be 1100' or shallower. Surface casing plug is perforated at 250', pumped and tagged if not circulated to surface.</p> <p>3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p>
	Prior to initiation of plugging operations, a Bradenhead test shall be performed. If there is 25# or greater present at the beginning of the test call COGCC Engineer for possible sampling requirements. Form 17 shall be submitted within 10 days.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401305897	FORM 6 INTENT SUBMITTED
401306327	WELLBORE DIAGRAM
401306364	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Upper Arapahoe 4971 4982 3.6 143 132 0.98 E NNT Lower Arapahoe 4659 4918 132.0 455 197 35.89 NT Laramie-Fox Hills 3959 4248 225.1 1155 866 54.02 NT Deepest WW 1190' LA developed also	06/18/2017
Public Room	Document verification complete 06/15/17	06/15/2017

Total: 2 comment(s)