

FORM
6Rev
05/18State of Colorado
Oil and Gas Conservation Commission

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



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Document Number:

401730730

Date Received:

08/28/2018

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: JACK MCCARTNEY

Name of Operator: ENERGY SEARCH CO ADBA ENERGY SEARCH CO

Phone: (303) 830-7208

Address: PO BOX 1896

Fax: (303) 830-7004

City: EDWARDS State: CO Zip: 81632

Email: jack@mccartneyengineering.com

For "Intent" 24 hour notice required,

Name: Beardslee, Tom

Tel: (970) 420-3935

COGCC contact:

Email: tom.beardslee@state.co.us

API Number 05-001-06870-00

Well Name: TSUZUKI

Well Number: 4

Location: QtrQtr: SENE 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: 39.937822

Longitude: -104.886665

GPS Data:

Date of Measurement: 06/13/2012

PDOP Reading: 5.0

GPS Instrument Operator's Name: Sarah Burkhalter

Reason for Abandonment: ☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☐ Yes☒ No

Estimated Depth:

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
SUSSEX	5045	5068			

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	96	100	96	0	VISU
1ST	7+7/8	4+1/2	10.5	5,285	200	5,285	4,482	CALC
			Stage Tool	1,355	200	1,355	0	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4945 with 2 sacks cmt on top. CIBP #2: Depth 2400 with 5 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 <u>25</u> sks cmt from <u>1360</u> ft. to <u>1040</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>50</u> sks cmt from <u>650</u> ft. to <u>0</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 2500 ft. with 60 sacks. Leave at least 100 ft. in casing 2400 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. _____ inch casing Plugging Date: _____
 of _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

1. MIRU service unit, blow well, kill if necessary.
2. Pull & lay down rods & pump.
3. RU BOP's, pull tubing standing back approximately 1360' in derrick and laying down rest.
4. RU wireline unit, set CIBP @ 4945', place 2 sxs cmt on top of CIBP
5. Fill hole and circulate out oil, pressure test to 300 psig (or highr) for 15 minutes.
6. Run bond log from 1600' to surface, email log to COGCC representative.
7. If insufficient cement coverage of Fox Hills and Lower Laramie formations, check with COGCC representative for further instructions to isolate aquifers.
8. If adequate cement coverage of aquifers, RU cementers, set casing plug from 1360' to 1040' with 25 sxs cmt, tag cement top.
9. Set casing plug from 650' to surface' with 50 sxs cement.
10. If cement top in annulus is below surface casing, perforate 50' above TOC or at 250', whichever is shallower and circulate cement to surface.
11. Top off cement in annulus if necessary.
12. Flush flowlines to battery.
13. Move out service rig.
14. Cut off csg and weld on cap with well identification data at a minimum of 4' below surface.
15. Remove flowlines and battery equipment.
16. Check for soil contamination at well location, flowlines, and battery facilities and respond accordingly.

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

Signed: _____ Print Name: JACK MCCARTNEY
 Title: Submitter Date: 8/28/2018 Email: jack@mccartneyengineering.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: 9/14/2018

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 3/13/2019

<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. Additional plugs required (2400' - 55 sx through CICR and 5 sx on top) and plug listed as half in-half out surface casing is actually perforated at 225' and 60 sx pumped to surface.</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) For 1360' plug: pump plug and displace - tag plug – must be 1040' or shallower. If shoe plug (650') not circulated to surface or does not remain at surface - tag plug and provide cement at surface (inside and outside of annulus).</p> <p>3) Properly abandon flowlines as per Rule 1105. File electronic Form 42 once abandonment 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>
	Notify Mike Hickey 5-10 days prior to rigging up.
	<p>Prior to starting plugging operations a bradenhead test shall be performed.</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>3)If sampling is required contact COGCC engineering for a confirmation of plugging requirements prior to placing any plugs.</p> <p>4)Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. The Form 17 shall be submitted within 10 days of the test.</p> <p>5)Submit Form 42 electronically to COGCC 48 hours prior to MIRU</p> <p>6)Prior to placing the 1360' 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 requirements.</p> <p>7)After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – top of plug must be not deeper than 1040' and provide minimum 10 sx plug at the surface.</p> <p>8)Leave at least 100' of cement in the wellbore for each plug.</p> <p>9)Properly abandon flowlines as per Rule 1105. File electronic Form 42 once abandonment 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>
	Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401730730	FORM 6 INTENT SUBMITTED
401732089	WELLBORE DIAGRAM
401732148	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	WBD has incorrect API#. •Permitting Review Complete.	09/06/2018
Well File Verification	Pass	08/29/2018

Total: 2 comment(s)