

FORM
6Rev
05/18

State 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

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401733956

Date Received:

08/15/2018

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: 10646

Contact Name: Philip Antonioli

Name of Operator: AXIS EXPLORATION LLC

Phone: (720) 354-4603

Address: 370 17TH ST SUITE 5300

Fax:

City: DENVER State: CO Zip: 80202

Email: PAntonioli@extractionog.com

For "Intent" 24 hour notice required,

Name: Precup, Jim

Tel: (303) 726-3822

COGCC contact:

Email: james.precup@state.co.us

API Number 05-001-07993-00

Well Name: BULLARD

Well Number: 6

Location: QtrQtr: SENE Section: 2 Township: 3S Range: 64W Meridian: 6

County: ADAMS

Federal, Indian or State Lease Number:

Field Name: RADAR

Field Number: 71300

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.820083

Longitude: -104.510935

GPS Data:

Date of Measurement: 12/11/2013

PDOP Reading: 3.8

GPS Instrument Operator's Name: D. Schwartz

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

Estimated Depth: 1050

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☒ Yes☐ No

If yes, explain details below

Details: *Not positive the well has an "uncemented" casing leak but the well does have a casing leak. The well previously failed an MIT lost 100psi over an 8 minute period. CIBP was set at 7,730'.

Current and Previously Abandoned Zones

| Formation | Perf. Top | Perf. Btm | Abandoned Date | Method of Isolation | Plug Depth |
|-----------|-----------|-----------|----------------|---------------------|------------|
| D SAND | 7841 | 7865 | | | |

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 | 12+1/4 | 8+5/8 | 24 | 257 | 150 | 257 | 0 | CALC |
| 1ST | 7+7/8 | 5+1/2 | 17 & 15.5 | 7,972 | 200 | 7,975 | 6,872 | CALC |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7791 with 2 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 _____ 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: ☐
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 6700 ft. with 65 sacks. Leave at least 100 ft. in casing 6600 CICR Depth

Perforate and squeeze at 3000 ft. with 50 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at 1650 ft. with 60 sacks. Leave at least 100 ft. in casing 1550 CICR Depth

(Cast Iron Cement Retainer Depth)

Set 500 sacks half in. half out surface casing from 1150 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 1105 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

*Calculated primary cement top not showing 200' coverage above Nio. Application to drill states they would run an Otis Sleeve and squeeze cement to cover Fox Hills if the well was a commercial producer, not seeing any indication this was done. We will run a CBL to verify primary TOC for Nio Squeeze and verify if Otis Sleeve was run/squeezed through.

*Form 10 change of operator has been submitted to get this well changed over from Bison Oil and Gas to Axis Exploration. Form 6 filed in advance to try and speed up process due to the fact that this well was overdue and subsequently failed an MIT test. A paper copy of this MIT test was emailed to Diana Burn at the COGCC. Job Report for failed MIT test is attached.

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

Signed: _____ Print Name: Philip Antonioli
Title: Production Engineer Date: 8/15/2018 Email: PAntonioli@extractionog.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: 9/16/2018

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 3/15/2019

| COA Type | Description |
|-----------------|--|
| | <p>NOTE: Changes in plugging procedure - plugs modified and plug listed as half in-half out surface casing is actually perforated at 1150' and 500 sx pumped</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Assure there are no flows in the well prior to placing the 1650' plug.</p> <p>3) After pumping 1650' plug - tag plug. must be 1550' or shallower. If 1150' plug not circulated to surface or does not remain at surface, tag plug and place 10 sx at surface (inside and outside of casing).</p> <p>4) 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. |
| | <p>If there has not been a reported Bradenhead test within 60 days of plugging this well, prior to starting plugging operations a bradenhead test shall be performed. If the well was not sampled as part of a prior test it should be sampled if pressure is 25# or greater. If there is a need for sampling - contact COGCC engineering for verification of plugging procedures (Pressure greater than 25# or any liquids flowed to surface).</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>Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling.</p> <p>The Form 17 shall be submitted within 10 days of the test.</p> |

Attachment Check List

| Att Doc Num | Name |
|--------------------|-------------------------|
| 401733956 | FORM 6 INTENT SUBMITTED |
| 401734471 | OPERATIONS SUMMARY |
| 401734490 | WELLBORE DIAGRAM |

Total Attach: 3 Files

General Comments

| User Group | Comment | Comment Date |
|------------------------|--|---------------------|
| Engineer | Denver 4898 5306 150.0 478 70 40.81 NNT Upper Arapahoe 4646 4875 109.6 730 501 29.82 NT Lower Arapahoe 4379 4571 85.7 997 805 23.30 NT Laramie-Fox Hills 3780 4058 143.0 1596 1318 34.33 NT UKA/TKD only | 09/16/2018 |
| Permit | Ready to pass form. D Sand productive interval confirmed via doc# 326930. | 08/24/2018 |
| Well File Verification | Pass | 08/20/2018 |

Total: 3 comment(s)