

FORM

6

Rev
11/20

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

Document Number:

402792005

Date Received:

09/15/2021

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: 39560

Contact Name: Paul Herring

Name of Operator: TOP OPERATING COMPANY

Phone: (720) 6631698

Address: 3609 S WADSWORTH BLVD STE 340

Fax:

City: LAKEWOOD State: CO Zip: 80235

Email: paul.herring@topoperating.com

For "Intent" 24 hour notice required,

Name: Silver, Randy

Tel: (720) 827-6688

COGCC contact:

Email: randy.silver@state.co.us

Type of Well Abandonment Report: ☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

API Number 05-013-06036-00

Well Name: TANAKA BROS

Well Number: 1

Location: QtrQtr: NESE Section: 2 Township: 1N Range: 69W Meridian: 6

County: BOULDER

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.078830 Longitude: -105.078500

GPS Data: GPS Quality Value: 4.0 Type of GPS Quality Value: Date of Measurement: 07/05/2010

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other Compliance with COGCCCasing to be pulled: ☐ Yes ☐ No Estimated Depth: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 |
|-----------|-----------|-----------|----------------|---------------------|------------|
| CODELL | 7618 | 7637 | | | |
| J SAND | 8056 | 8068 | | | |
| NIOBRARA | 7480 | 7500 | | | |

Total: 3 zone(s)

Casing History

| Casing Type | Size of Hole | Size of Casing | Grade | Wt/Ft | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Btm | Cmt Top | Status |
|-------------|--------------|----------------|-------|-------|---------------|---------------|-----------|---------|---------|--------|
| SURF | 12+1/4 | 8+5/8 | NA | 24# | 0 | 614 | 425 | 614 | 0 | VISU |
| 1ST | 7+7/8 | 4+1/2 | NA | 10.5# | | 8199 | 150 | 8199 | 7599 | CALC |
| S.C. 1.1 | | | | | | 5019 | 150 | 5019 | 4419 | CALC |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8000 with 2 sacks cmt on top. CIBP #2: Depth 7480 with 2 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 60 sks cmt from 5120 ft. to 4920 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 2500 ft. with 40 sacks. Leave at least 100 ft. in casing _____ CICR Depth
Perforate and squeeze at 225 ft. with 750 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. of _____ inch casing

Surface Plug Setting Date: _____ Cut and Cap Date: _____ Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____

*Wireline Contractor: _____

*Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

Ring gauge and CBL will be performed prior to plugging. If weak cement, COGCC will be notified and a new plan will be developed. Please reference most recent plugging procedure and after wellbore diagram that shows CIBP above NIO/CDL and JSND.

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

Signed: _____ Print Name: Paul Herring

Title: Landman Date: 9/15/2021 Email: paul.herring@topoperating.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: Jacobson, Eric Date: 10/8/2021

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 4/7/2022

Condition of Approval

COA Type

Description

| | |
|--|---|
| | <p>Perforate at 2500' and pump 40 sacks leaving 10 sacks in the casing. Plug at 750' to be perforations at 750' and pump 225 sacks cement. Operator concurs.</p> |
| | <p>Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations.</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>The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.</p> |
| | <p>1) Provide 2 business day notice of plugging MIRU via electronic Form 42.</p> <p>2) After placing the shallowest hydrocarbon isolating plug (7480'), operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC engineering before continuing operations.</p> <p>3) Prior to placing the 750' plug: verify that all fluid migration (liquid and gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>4) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 280' or shallower and provide 10 sx plug at the surface.</p> <p>5) Leave at least 100' of cement in the wellbore for each plug.</p> <p>6) Properly abandon flowlines as per Rule 1105. Pursuant to Rule 911.a. Closure of Oil and Gas Facilities, Operator will submit Site Investigation and Remediation Work plans via Form 27 for COGCC prior approval before cutting and capping the plugged well, conducting flowline abandonment, and removing production equipment. Pursuant to Rule 1105.f. Abandonment Verification, within 90 days of an operator completing abandonment requirements for a flowline or crude oil transfer line, an operator must submit a Field Operations Notice, Form 42-Abandonment of Flowlines for on-location flowlines, and a Flowline Report, Form 44, for off-location flowlines or crude oil transfer lines.</p> <p>7) With the Form 6 SRA operator must provide written documentation, which positively affirms each COA has been addressed.</p> |
| | <p>CBL to be run prior to plugging to verify stage tool setting depth and existing coverage - submit to COGCC for verification of plugging orders.</p> |
| | <p>Operator will implement measures to capture, combust, or control emissions to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public health, welfare and the environment. Due to proximity of building units (BUs) all blowdown gases will be controlled.</p> |
| | <p>Due to close proximity to Residential Building Units: prior to commencing operations, at a minimum, the operator will provide an informational sheet to the owners/occupants of BUs that are nearby and adjacent to the parcel on which the well is located. The sheet will include the operator's contact information and the nature, timing, and expected duration of the PA operations.</p> |

1) Operator will implement measures to capture, combust, or control emissions to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public health, welfare and the environment. Due to proximity of building units (BUs) all blowdown gases will be controlled.

2) Prior to commencing operations, the operator will contact the Boulder County local government designee (LGD) to notify them of the plugging and abandonment (PA) operations and coordinate posting signs at conspicuous locations. The signs will indicate PA operations are being conducted, the well name, well location information, and the Operator's contact information. Signs must not create a potential traffic hazard.

3) Prior to commencing operations, at a minimum, the operator will provide an informational sheet to the owners/occupants of BUs that are adjacent to the parcel on which the well is located. The sheet will include the operator's contact information and the nature, timing, and expected duration of the PA operations.

4) Operator will comply with maximum permissible noise levels in COGCC Rules and Table 423-1 for Residential/Rural Areas. Due to proximity of the PA operations to BUs, exceedance of noise levels will require installation of temporary sound walls, straw bales, or other BMPs to dampen noise.

7 COAs

Attachment List

| Att Doc Num | Name |
|--------------------|-----------------------------|
| 402792005 | FORM 6 INTENT SUBMITTED |
| 402812411 | WELLBORE DIAGRAM |
| 402812412 | WELLBORE DIAGRAM |
| 402812413 | PROPOSED PLUGGING PROCEDURE |

Total Attach: 4 Files

General Comments

| User Group | Comment | Comment Date |
|-------------------|--|---------------------|
| Engineer | RTD for additional information - Operator request | 09/09/2021 |
| Engineer | Deepest Water Well within 1 Mile – 330' SB5 Base of Fox Hills - N/A | 09/07/2021 |
| Engineer | Well file verification not completed prior to approval of NOIA. | 09/07/2021 |
| OGLA | - This oil and gas location is in proximity of the community of Gooding in Boulder County, CO. - This oil and gas location is within 500 ft of BUs. - This oil and gas location is not located within a CPW-mapped high priority habitat (HPH). - Pass OGLA task. | 09/02/2021 |
| Permit | -Confirmed as-drilled well location. -No other forms in process. -Production reporting up-to-date. -Confirmed productive interval docnum: 37201. -Reviewed WBDs and procedure. -Pass. | 08/30/2021 |

Total: 5 comment(s)