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 |
|---|---|---|---|
| | | | |

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Date Received: 02/03/2022

## 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: 95620 Contact Name: Steven James

Name of Operator: WESTERN OPERATING COMPANY Phone: (303) 726-8650

Address: 1165 DELAWARE STREET #200 Fax:

City: DENVER State: CO Zip: 80204 Email: steve@westernoperating.com

**For "Intent" 24 hour notice required, COGCC contact:** Name: Schure, Kym Tel: (970) 520-3832 Email: kym.schure@state.co.us

Type of Well Abandonment Report: [X] Notice of Intent to Abandon [ ] Subsequent Report of Abandonment

API Number 05-087-08147-00

Well Name: GLENN STATE Well Number: 4-36

Location: QtrQtr: NWNW Section: 36 Township: 2N Range: 58W Meridian: 6

County: MORGAN Federal, Indian or State Lease Number: 7755.3

Field Name: ADENA Field Number: 700

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.099240 Longitude: -103.826710

GPS Data: GPS Quality Value: 2.0 Type of GPS Quality Value: PDOP Date of Measurement: 08/27/2007

Reason for Abandonment: [ ] Dry [ ] Production Sub-economic [ ] Mechanical Problems

[X] Other Reducing well count

Casing to be pulled: [ ] Yes [X] No Estimated Depth:

Fish in Hole: [ ] Yes [X] No If yes, explain details below

Wellbore has Uncemented Casing leaks: [ ] Yes [X] No If yes, explain details below

Details:

## Current and Previously Abandoned Zones

| Formation | Perf. Top | Perf. Btm | Abandoned Date | Method of Isolation | Plug Depth |
|---|---|---|---|---|---|
| D SAND | 5602 | 5605 | | | |

Total: 1 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 | NA | 0 | 317 | 260 | 260 | 0 | VISU |
| 1ST | 7+7/8 | 5+1/2 | NA | NA | 0 | 5766 | 170 | 5777 | 4456 | CBL |

# Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 5552 with 4 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 12 sks cmt from 1500 ft. to 1400 ft. Plug Type: CASING Plug Tagged: ☒

Set 37 sks cmt from 310 ft. to 0 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 1500 ft. with 28 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at 360 ft. with 70 sacks. Leave at least 100 ft. in casing 310 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 15 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:

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

Signed: _____ Print Name: Steven James

Title: President Date: 2/3/2022 Email: steve@westernoperating.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: Wolfe, Stephen Date: 2/25/2022

**CONDITIONS OF APPROVAL, IF ANY:** Expiration Date: 8/24/2022

## Condition of Approval

| COA Type | Description |
|---|---|
| | Bradenhead Testing<br>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.<br>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.<br>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.<br><br>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.<br><br>If there is a need for sampling, contact COGCC engineering for verification of plugging procedure. |
| | Plugging<br>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.<br>2) Contact COGCC Area Inspector prior to commencing plugging operations.<br>3) Plugs and squeezes will be placed as stated in the Plugging Procedure section of the approved NOIA unless revised by COA or prior approval from COGCC is obtained.<br>4) The wellbore must be static prior to placing cement plugs which are to be a minimum of 100' in length for all but surface plugs. Mechanical isolation requires a 25' cement plug, minimum. For plugs not specified to be tagged, a tag is required if circulation is not maintained while pumping plug and displacing to depth. Tag at tops specified or shallower. Notify COGCC Area Engineer before adding cement to previous plug.<br>5) Place a 50' plug (minimum) at the surface, both inside the inner most casing and in all annular spaces. Surface plugs shall be circulated to surface. Confirm cement to surface in all strings during cut and cap.<br>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.<br>7) After placing the shallowest hydrocarbon isolating plug (5552'), operator must wait a sufficient time on all subsequent plugs to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC Area Engineer before continuing operations.<br>8) Plugging procedure has been modified as follows,<br>Plug #1 - CIBP w/ 4 sx at 5552'.<br>Plug #2 - 40 sx squeeze at 1500', 28 sx into the perfs and 12 sx in the casing, WOC and tag.<br>Plug #3 - 107 sx squeeze at 360' with CICR at 310', 70 sx into the CICR and 37 sx in the casing. Cement is intended to circulate to surface. If cement does not reach the surface, tag and notify COGCC Area Engineer prior to pumping next plug.<br>Plug #4 - 50' of cement at the surface in both the casing and the annulus per COA #5.<br>9) 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 Workplans 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. |
| | 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. |
| 3 COAs | |

## Attachment List

| Att Doc Num | Name |
|---|---|
| 402934291 | FORM 6 INTENT SUBMITTED |
| 402946671 | WELLBORE DIAGRAM |

Total Attach: 2 Files

## General Comments

| User Group | Comment | Comment Date |
|---|---|---|
| Engineer | Groundwater: Alluvium, Upper Pierre<br>Deepest water well: 100'(1mi, 18 wells)<br>Log: 087-08147 8/17/07 GR 4483' Alluvium base is behind casing, UP base 1020' | 02/22/2022 |

Total: 1 comment(s)