

FORM
6
Rev
11/20

State of Colorado
Energy & Carbon Management Commission



| | | | |
|-------------------------------|----|----|----|
| DE | ET | OE | ES |
| Document Number: 403346149 | | | |
| Date Received: 04/26/2023 | | | |

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

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: Steve 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, Name: Welsh, Brian Tel: (719) 325-6919
 COGCC contact: Email: brian.welsh@state.co.us

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

API Number 05-061-06010-00
 Well Name: FOSTER Well Number: 1
 Location: QtrQtr: NENW Section: 15 Township: 19S Range: 45W Meridian: 6
 County: KIOWA Federal, Indian or State Lease Number: _____
 Field Name: BRANDON Field Number: 7500

Only Complete the Following Background Information for Intent to Abandon

Latitude: 38.409810 Longitude: -102.447940
 GPS Data: GPS Quality Value: 2.3 Type of GPS Quality Value: PDOP Date of Measurement: 10/30/2006

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other Reducing well count

Casing 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 |
|-----------|-----------|-----------|----------------|---------------------|------------|
| OSAGE | 4858 | 4866 | | | |
| SPERGEN | 4704 | 4739 | | | |
| ST LOUIS | 4628 | 4699 | | | |
| WARSAW | 4783 | 4826 | | | |

Total: 4 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 | 194 | 175 | 194 | 0 | VISU |
| 1ST | 7+7/8 | 5+1/2 | NA | 15.5 | 0 | 4889 | 100 | 4889 | 4260 | CALC |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4528 with 3 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 6 sks cmt from 3875 ft. to 3825 ft. Plug Type: CASING Plug Tagged:
 Set 6 sks cmt from 3150 ft. to 3100 ft. Plug Type: CASING Plug Tagged:
 Set 6 sks cmt from 1500 ft. to 1450 ft. Plug Type: CASING Plug Tagged:
 Set 6 sks cmt from 750 ft. to 700 ft. Plug Type: CASING Plug Tagged:
 Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:

Perforate and squeeze at 3925 ft. with 35 sacks. Leave at least 100 ft. in casing 3875 CICR Depth
 Perforate and squeeze at 3200 ft. with 35 sacks. Leave at least 100 ft. in casing 3150 CICR Depth
 Perforate and squeeze at 1550 ft. with 80 sacks. Leave at least 100 ft. in casing 1500 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 Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____
 Surface Plug Setting Date: _____ Cut and Cap Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Site exists within Lesser Prairie Chicken CPW Buffers. Work to be completed outside of March 1 to July 15 per CPW consult with Karen Voltura
 Initial Form 27 work plan and related flowline Form 42/44 documentation will be completed by Entrada Consulting Group

Additional plugs:
 Perf and squeeze at 750', squeeze 40 sacks. Leave at least 100' in casing, CICR at 700'
 Perf and squeeze at 294', circulate 81 sacks to the surface.

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

Signed: _____ Print Name: Ben Baugh
 Title: Senior Geologist Date: 4/26/2023 Email: bbaugh@entradainc.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 1/29/2024

| COA Type | Description |
|-----------------|---|
| | <p>This oil and gas location is within CPW-mapped High Priority Habitat for Lesser Prairie Chicken Estimated Occupied Range and Lesser Prairie Chicken Focal Area. Plugging and abandonment (P&A) activities should not take place from March 1 to July 15. If site conditions warrant that P&A activities must occur between March 1 and July 15, the operator will consult with CPW to develop site specific avoidance, minimization, or mitigation measures prior to conducting any activities.</p> |
| | <p>Bradenhead Testing 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. 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>Consistent with Rule 911.a, a Form 27 must be approved prior to cut and cap, conducting flowline abandonment, or removing production equipment. Allow 30 days for Director review of the Form 27; include the Form 27 document number on the Form 44 for offsite flowline abandonment (if applicable) and on the Form 6 Subsequent.</p> |
| | <p>Properly abandon flowlines per Rule 1105. If flowlines will be abandoned in place, include with the Form 27: pressure test results conducted in the prior 12 months as well as identification of any document numbers for a COGCC Spill/Release Report, Form 19, associated with the abandoned line.</p> |

Plugging
 1) Provide electronic Form 42 Notice of MIRU 2 business days ahead of operations and electronic Form 42 Notice of Plugging Operations 48 hours prior to mobilizing for plugging operations.
 2) 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.
 3) 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.
 4) 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.
 5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.
 6) Operator must wait a sufficient time on all plugs to achieve the intended design. If at any time during the plugging there is evidence of previously unreported pressure or fluid migration, contact COGCC Area Engineer before continuing operations.
 7) Plugging procedure has been modified as follows,
 Plug #1 - 4528', CIBP with 4 sx of cement. MSSP
 Plug #2 - 3925', perf and squeeze 35 sx into the CICR at 3875'. Leave 6 sx on top of the CICR. MRTN
 Plug #3 - 3200', perf and squeeze 35 sx into the CICR at 3150'. Leave 6 sx on top of the CICR. SHWNE
 Plug #4 - 1550', perf and squeeze 80 sx into the CICR at 1500'. Leave 6 sx on top of the CICR. CYNM
 Plug #5 - 750', perf and squeeze 35 sx into the CICR at 700'. Leave 6 sx on top of the CICR. DKTA
 Plug #6 - 294', perf and circulate 81 sx of cement to surface. If perms will take fluid but do not circulate or circulation is lost, pump a minimum of 50 sx and displace to 144', 100' above the surface shoe, WOC and tag. Notify COGCC Area Engineer of insufficient cement prior to pumping additional plugs.
 Plug #7 - 50' of cement at the surface in both the casing and the annulus per COA #4.
 8) Submit corrected WBD to correspond with approved 6(N) prior to filing Form 42 Notifications required in COA #1 above.

5 COAs

Attachment List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|----------------------------------|
| 403346149 | WELL ABANDONMENT REPORT (INTENT) |
| 403385972 | WELLBORE DIAGRAM |
| 403480766 | FORM 6 INTENT SUBMITTED |

Total Attach: 3 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|---|---------------------|
| OGLA | OGLA review is complete. | 07/24/2023 |
| Engineer | Groundwater=High Plains Aquifer, Dakota-Cheyenne Deepest water well=890'(3mi, 11 records) Logs=061-06005 5/3/67 3910' GR - Dakota 735-980', Cheyenne 1030-1130' | 05/16/2023 |
| Permit | Perforation record matches historical submission, doc: 554543. | 05/03/2023 |

Total: 3 comment(s)