

**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.

Document Number:  
 403183995  
 Date Received:  
 10/03/2022

OGCC Operator Number: 10651 Contact Name: Brian Stanley  
 Name of Operator: VERDAD RESOURCES LLC Phone: (435) 6406426  
 Address: 1125 17TH STREET SUITE 550 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80202 Email: bstanley@verdadresources.com

**For "Intent" 24 hour notice required,** Name: Medina, Justin Tel: (720) 471-0006  
**COGCC contact:** Email: justin.medina@state.co.us

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

API Number 05-123-14809-00  
 Well Name: JORDAN-LOUSTAUNAU Well Number: 34-10  
 Location: QtrQtr: NWSW Section: 34 Township: 1N Range: 65W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: WATTENBERG Field Number: 90750

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

Latitude: 40.007016 Longitude: -104.657432  
 GPS Data: GPS Quality Value: 1.3 Type of GPS Quality Value: PDOP Date of Measurement: 09/23/2022  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other Re-enter to re-plug  
 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
D SAND	7830	7846	06/27/1996	B PLUG CEMENT TOP	7700
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	j55	24	0	261	180	261	0	VISU
1ST	7+7/8	4+1/2	j55	11.6	0	7978	107	7978	7160	CBL
	7+7/8	4+1/2	j55	Stage Tool	0	7978	130	1280	750	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 20 sks cmt from 6900 ft. to 6825 ft. Plug Type: CASING Plug Tagged:   
Set 10 sks cmt from 2450 ft. to 2400 ft. Plug Type: CASING Plug Tagged:   
Set 50 sks cmt from 1600 ft. to 850 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:

Perforate and squeeze at 7075 ft. with 90 sacks. Leave at least 100 ft. in casing 6900 CICR Depth

Perforate and squeeze at 2500 ft. with 35 sacks. Leave at least 100 ft. in casing 1600 CICR Depth

Perforate and squeeze at 1500 ft. with 60 sacks. Leave at least 100 ft. in casing 1400 CICR Depth

(Cast Iron Cement Retainer Depth)

Set 120 sacks half in. half out surface casing from 350 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. 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:

A closed-loop, recirculating returns system will be used.

1. Provide 48 hr notice Form 42 to COGCC prior to rig up per Form 6 COA
2. Familiarize all personnel with allowed access to location and areas allowed to be disturbed.
3. Secure permission to access area and identify prospective well locations via satellite and survey data.
4. Verify well location and excavate well.
5. Once permission to begin work is secure, excavate area around well to sufficient size for safe access of casing, Verify casing size, cut off cap, weld on slip collar w/ wellhead and riser, set cellar ring and back-fill.
6. MIRU WO Rig, beam, doghouse, BOP, accumulator, rig pump, shaker tank, rig tank, 9.5ppg water-based mud, pipe float, 3-1/8" collars, 2-3/8" work string, power swivel.
7. Make up BHA; 2 3/8 EUE string, 2x 3-1/8" drill collars, Float, POBS, 3.75" roller-cone bit.
8. RIH and drill out cement from 0-1300'.
9. Wash/Ream inside 4.5" Casing to 7,700'. If depth is not achieved, call OGCC engineer.
10. Circulate and condition hole.
11. TOOH, Laydown BHA.
12. MIRU Wireline Truck and run CBL from 7700' to surface. There are conflicting reports of depths and volumes for squeezes/plugs of original P&A. If cement tops are different from "Before P&A" WBD, contact OGCC engineer and coordinate design adjustments. Confirm free pipe specifically between 7075-6800' and 1700-1330'.
13. Once TOC's are confirmed, MU perforating guns and RIH w/ 2' of 4spf squeeze hole guns and perforate bottom squeeze holes at 7075' (1 gun/4 holes), and top squeeze holes at 6825'(1 gun/4 holes). ). POOH and RDMO Wireline. MIRU cementers
14. MU 4.5" Cast iron cement retainer on 2-3/8" tbg and RIH to 6900'. Set retainer and establish circulation. Once circulation established, pump 100sks 15.8# Class G cement. Pump 90 sacks through retainer, unsting, and set 10sacks on top of retainer, and displace. POOH and LD 20 jts slow. RD cementers.
15. Valve around and reverse circulate to clean tubing.
16. POOH and LD tbg to 1600'. Stand back remaining tbg to derrick.
17. RU wireliners and RIH w/ 2' of 4spf squeeze hole guns and perforate bottom squeeze holes at 1700'(1 gun/4 holes), and top squeeze holes at 1330'(1 gun/4 holes). POOH and RDMO Wireline. MIRU cementers
18. MU 4.5" Cast iron cement retainer on 2-3/8" tbg and RIH to 1600'. Set retainer and establish circulation. Once circulation established, pump 190sks 15.8# Class G cement. Pump 115 sacks through retainer, unsting, and set 75 sacks on top of retainer, and displace. POOH w/ tubing. RD cementers.
19. POOH and LD to 600', reverse circulate tubing to clean up cement.
20. POOH and LD retainer stinger. Prep for surface plug.
21. RU wireliners and RIH w/ 1' of 4spf squeeze hole guns and perforate squeeze holes at 330'(1 gun/4 holes). POOH and RDMO Wireline. MIRU cementers.
22. Close blind rams and break circulation down 4.5" casing, and take returns up 8-5/8" surface casing. Once circulation established, begin circulating cement to surface (prescribed 120sx).
23. RDMO Cementers, Rig, and supporting equipment. Tidy location and prep for reclamation.
24. After 5 days, verify TOC is within 5' of surface. Top off if needed. Excavate cellar ring and wellhead, cut off casing 6' below ground level and weld on cap with full legal description welded onto plate. Back fill hole.
25. Reclaim location.
26. Submit Form 6 Subsequent and Form 42 for completion of COA.

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

Signed: \_\_\_\_\_ Print Name: Brian Stanley  
Title: Completion Engineer Date: 10/3/2022 Email: bstanley@verdadresources.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: Haverkamp, Curtis Date: 10/13/2022

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 4/12/2023

<b>COA Type</b>	<b>Description</b>
	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. These are two separate notifications, required by Rules 405.e and 405.l. 2) Prior to placing the Fox Hills plug: verify that all fluid (liquid and gas) migration has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders. 3) Circulate shoe plug to surface if production casing is not pulled. 4) Leave at least 100' of cement in the wellbore for each plug without mechanical isolation. 5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA listed above has been addressed.
	Due to proximity to surface water, Operator will review the stormwater program and implement stormwater BMPs and erosion control measures as needed to prevent fine-grained sediment and impacted stormwater runoff from entering surface water.
2 COAs	

### Attachment List

<b>Att Doc Num</b>	<b>Name</b>
403183995	FORM 6 INTENT SUBMITTED
403184040	SURFACE OWNER CONSENT
403184042	WELLBORE DIAGRAM
403184045	WELLBORE DIAGRAM
403184051	LOCATION PHOTO
403184053	PROPOSED PLUGGING PROCEDURE

Total Attach: 6 Files

### General Comments

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Engineer	CBL verified. Squeeze provides 200' isolation above Niobrara. Emailed operator regarding Upper Pierre isolation. Feedback received: "break it up into two, add a 2500-2400' squeeze with a retainer at 2450', and shorten the shallower one up to 1500-1330' with the CICR at 1400'." Updated form as per email.	10/13/2022
Engineer	DWR base of Fox Hills: 1278' Deepest water well within 1 mile: 1350'	10/13/2022
Permit	- Verified Completed Interval (28016) - Verified CIBP (28020)  Permit Review Complete	10/13/2022
OGLA	OGLA Review complete.	10/07/2022

Total: 4 comment(s)