

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:
 402845970
 Date Received:
 10/19/2021

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 05-001-06699-00
 Well Name: VAN AIRE Well Number: 1
 Location: QtrQtr: SWNE Section: 7 Township: 1S Range: 65W Meridian: 6
 County: ADAMS Federal, Indian or State Lease Number: _____
 Field Name: WATTENBERG Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.981580 Longitude: -104.703356
 GPS Data: GPS Quality Value: _____ Type of GPS Quality Value: _____ Date of Measurement: _____
 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: Well has a packer stuck in hole @ 6886' with tubing shot-off @ 6882'. During initial P&A, attempted to retrieve packer and was unable to. Cut off tubing above packer and bull-headed 60sx through tubing/packer.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	7939	7964	11/29/1999	CEMENT	7680

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	J-55	24	0	273	250	273	0	VISU
S.C. 1.1	7+7/8	5+0/4	J-55	18	0	8073	200	8073	7161	CALC
S.C. 1.2	7+7/8	5+0/4	J-55	18	0	8073	250	1287	800	CBL
S.C. 1.3	7+7/8	5+0/4	J-55	18	0	8073	60	350	170	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 1300 with 55 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 6875 ft. with 64 sacks. Leave at least 100 ft. in casing 6750 CICR Depth
 Perforate and squeeze at 2500 ft. with 32 sacks. Leave at least 100 ft. in casing 2450 CICR Depth
 Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
 (Cast Iron Cement Retainer Depth)

Set 45 sacks half in. half out surface casing from 370 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:

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. Ensure FAA permit is in hand and beacon is affixed to rig prior to MIRU. 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, 4" roller-cone bit.
8. RIH and drill out surface plug, and then CIBP @ 1297'.
9. Wash/Ream inside 5" Casing to 6880'.
10. Circulate and condition hole.
11. TOOH, Laydown BHA.
12. MIRU Wireline Truck and run CBL from 6880' to surface. If cement tops are different from "Before P&A" WBD, contact OGCC engineer and coordinate design adjustments.
13. Once TOC's are confirmed, MU perforating guns and RIH w/ 2' of 4spf squeeze hole guns and perforate bottom squeeze holes at 6875' (1 gun/4 holes), and top squeeze holes at 6675'(1 gun/4 holes).). POOH and make up and RIH w/CICR, set at 6750'. POOH and RDMO Wireline. MIRU cementers
14. MU 5" Cement retainer stinger tool on 2-3/8" tbg and RIH to 6750'. Sting into retainer and establish circulation. Once circulation established, pump 64sks Class G Neat cement. Pump 57sx through retainer, unsting and leave 7sx on top of retainer. POOH w/ tbg.
15. MIRU Wireline, MU perforating guns and RIH w/ 2' of 4spf squeeze hole guns and perforate bottom squeeze holes at 2500' (1 gun/4 holes), and top squeeze holes at 2400'(1 gun/4 holes).). POOH and make up and RIH w/CICR, set at 2450'. POOH and RDMO Wireline. MIRU cementers
16. MU 5" Cement retainer stinger tool on 2-3/8" tbg and RIH to 2450'. Sting into retainer and establish circulation. Once circulation established, pump 32sks Class G Neat cement. Pump 27sx through retainer, unsting and leave 5sx on top of retainer. POOH w/ tbg.
17. RU wireliners and RIH w/ 5" CIBP and set @ 1500'. POOH and RDMO Wireline.
18. MU bull plug and perforated sub on 2-3/8" EUE tbg and RIH to 1295'. MIRU cementers and pump 55sx Class G Neat balanced plug on top of CIBP from 1300-800'. POOH w/ tbg.
19. RIH open-ended to 350' and circulate. Pump cement until returns taken to surface (36sks prescribed). Once good returns taken, SD cement and POOH. Top off as necessary.
20. RDMO Cementers, Rig, and supporting equipment. Tidy location and prep for reclamation.
21. 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.
22. Reclaim location.
23. 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: Completions Engineer Date: 10/19/2021 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: Jacobson, Eric Date: 11/15/2021

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 5/14/2022

Condition of Approval

COA Type

Description

	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>1) Provide 2 business day notice of plugging MIRU via electronic Form 42.</p> <p>2) After placing the shallowest hydrocarbon isolating plug (6875'), 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 364' 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 223' 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) With the Form 6 SRA operator must provide written documentation, which positively affirms each COA has been addressed.</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.
	Submit "as drilled" GPS data on Subsequent Report of Abandonment. GPS data must meet the requirements of Rule 216.
4 COAs	

Attachment List

Att Doc Num

Name

2138783	PLUGGING PROCEDURE
2138784	WELLBORE DIAGRAM
402845970	FORM 6 INTENT SUBMITTED
402846054	SURFACE OWNER CONSENT
402846059	WELLBORE DIAGRAM
402846067	LOCATION PHOTO

Total Attach: 6 Files

General Comments

User Group

Comment

Comment Date

Engineer	Well file verification not completed prior to approval of NOIA.	11/10/2021
Engineer	<p>Deepest Water Well within 1 Mile – 1160'</p> <p>SB5 Base of Fox Hills - 1236'</p> <p>SB5 Base of Lower Arapahoe - 655'</p> <p>SB5 Base of Upper Arapahoe - 314'</p> <p>SB5 Base of Denver - 44'</p> <p>Denver 5002503011.0 44162.99E NNT</p> <p>Upper Arapahoe 4732495340.0 3149310.88NT</p> <p>Lower Arapahoe 4391465796.7 65538926.30NT</p> <p>Laramie-Fox Hills 38104048142.0123699834.08NT</p>	11/10/2021
Permit	<p>Reviewed attachments.</p> <p>Confirmed interval docnum: 950371.</p> <p>Pass.</p>	10/19/2021

Total: 3 comment(s)