

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



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Replug By Other Operator

Document Number:

402846096

Date Received:

11/04/2021

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: 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 05-123-14807-00

Well Name: SAWYER/POWELL

Well Number: 32-4

Location: QtrQtr: NWSW Section: 32 Township: 1N Range: 65W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: SPACE CITY

Field Number: 77775

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.006199

Longitude: -104.694386

GPS Data: GPS Quality Value: 2.7 Type of GPS Quality Value: PDOP Date of Measurement: 11/01/2021

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other Re-enter to re-plugCasing 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

Total: 0 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	223	200	223	0	VISU

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 150 sks cmt from 7150 ft. to 6800 ft. Plug Type: OPEN HOLE Plug Tagged: ☒

Set 50 sks cmt from 2500 ft. to 2400 ft. Plug Type: OPEN HOLE Plug Tagged: ☒

Set 175 sks cmt from 1275 ft. to 850 ft. Plug Type: OPEN HOLE 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 _____ ft. with _____ 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

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 245 sacks half in. half out surface casing from 640 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. MIRU WO Rig, beam, doghouse, BOP, accumulator, rig pump, shaker tank, rig tank, 9.5ppg water-based mud, pipe float, 3-1/8" collars, 2-7/8" EUE work string, power swivel.
7. Make up BHA; 2 7/8 EUE string, 2x 3-1/8" drill collars, Float, POBS, 6.5" roller-cone bit.
8. RIH and drill out cement plugs from 0-28', 175-275', 1225-1275', and 1400-1450'.
9. Wash/Ream in 7-7/8" Open Hole to 7,800'. Tag cement plug above sand. Contact COGCC if not tagged. If not tagged, may need additional plug to isolate D/J-sands.
10. Circulate and condition hole.
11. TOOH, Laydown BHA.
12. RIH w/ 4.75" Tricone mill, XO, string float to 7150'. Circulate and condition hole.
13. MIRU cementers and pump 150sx Class G Neat Cement from 7150'-6800'. Displace and POOH through cement. Release cementers.
14. WOC 4 hours or otherwise advised by cementers and tag cement. If not tagged at or above 6800', contact engineer. May require additional cement.
15. POOH to 2500', circulate and condition hole. MIRU cementers and pump 50sx Class G Neat Cement from 2500'-2400'. Displace and POOH through cement.
16. WOC 4 hours or otherwise advised by cementers and tag cement. If not tagged at or above 2400', contact engineer. May require additional cement.
17. POOH to 1275', circulate and condition hole. MIRU cementers and pump 175sx Class G Neat cement from 1275'-850'. Displace and POOH through cement.
18. WOC 4 hours or otherwise advised by cementers and tag cement. If not tagged at or above 850', contact engineer. May require additional cement.
19. POOH to 300', circulate and condition hole. MIRU cementers and pump cement until returns taken to surface (115sks 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 Engineers Date: 11/4/2021 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: Haverkamp, Curtis Date: 11/29/2021

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 5/28/2022

Condition of Approval

COA Type

Description

	Confirm existing D-Sand coverage by tag. Contact COGCC if deeper than 7736'.
	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) After placing the shallowest hydrocarbon isolating plug (7150'), 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. 3) Prior to placing the 640' 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. 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 173' or shallower and provide 10 sx plug at the surface. 5) Leave at least 100' of cement in the wellbore for each plug. 6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA listed above has been addressed.
	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.
	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.

4 COAs

Attachment List

Att Doc Num

Name

402846096	FORM 6 INTENT SUBMITTED
402847799	PROPOSED PLUGGING PROCEDURE
402847803	WELLBORE DIAGRAM
402847805	WELLBORE DIAGRAM
402847808	SURFACE OWNER CONSENT
402862727	LOCATION PHOTO

Total Attach: 6 Files

General Comments

User Group

Comment

Comment Date

Engineer	In accordance with the Notice to Operators (NTO): Timing for COGCC Forms adopted on 05/01/2020, this Form 6 Notice of Intent to Abandon is valid for 12 months from the date of approval expiring on 11/29/2022. This NTO does not alter the deadlines for submission of, or compliance with any other Commission rule or Form.	11/29/2021
Engineer	Emailing operator for Lower Arapahoe coverage 19-Nov. Feedback received 29-Nov. Updating form as per email (245sx at 640').	11/19/2021
Engineer	DWR aquifer determination: Upper Arapahoe 265'-38' Lower Arapahoe 587'-340' Laramie-Fox Hills 1207'- 920' Deepest water well within 1 mile: 1100'	11/19/2021
Permit	-Confirmed as-drilled well location. -No other forms in process. -Reviewed attachments. -Pass.	11/04/2021

Total: 4 comment(s)