

FORM
6Rev
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:

402673666

Date Received:

04/28/2021

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: 10110

Contact Name: Kapri McMillan

Name of Operator: GREAT WESTERN OPERATING COMPANY LLC

Phone: (970) 364-2826

Address: 1001 17TH STREET #2000

Fax:

City: DENVER State: CO Zip: 80202

Email: kmcmillan@gwp.com

For "Intent" 24 hour notice required,

Name: Silver, Randy

Tel: (720) 827-6688

COGCC contact:

Email: randy.silver@state.co.us

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

API Number 05-001-07002-00

Well Name: SUPERS

Well Number: 1

Location: QtrQtr: SWNW Section: 32 Township: 1S Range: 66W Meridian: 6

County: ADAMS

Federal, Indian or State Lease Number:

Field Name: BUGLE

Field Number: 7800

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.923588

Longitude: -104.806608

GPS Data: GPS Quality Value: 2.0 Type of GPS Quality Value: PDOP Date of Measurement: 04/22/2021

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other Off set mitigation for the Edmundson PadCasing 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
D SAND	8164	8170	01/23/1996	CEMENT	8164

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	24	0	151	170	151	0	
1ST	7+7/8	4+1/2	NA	11.6	0	8285	300	8285	6624	CALC
				Stage Tool		1286	250	1286	336	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8100 with 25 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 <u>25</u> sks cmt from <u>7400</u> ft. to <u>6964</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>5</u> sks cmt from <u>4900</u> ft. to <u>4793</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>5</u> sks cmt from <u>2300</u> ft. to <u>2193</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>79</u> sks cmt from <u>1400</u> ft. to <u>350</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>23</u> sks cmt from <u>300</u> ft. to <u>0</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 5000 ft. with 30 sacks. Leave at least 100 ft. in casing 4900 CICR Depth

Perforate and squeeze at 2400 ft. with 30 sacks. Leave at least 100 ft. in casing 2300 CICR Depth

Perforate and squeeze at 300 ft. with 62 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 _____ 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:

Procedure:

- 1 Contact COGCC
- 2 Locate & attach wellhead
- 3 MIRU
- 4 NUBOP
- 5 PU RIH w/ bladed junk mill and workstring
- 6 Mill out cement at surface to ~132' and from ~1036' - 1300' and from ~5925'-6650'
- 7 Check pressures after plug at 6650' & if well is on vacuum, assume there is no cement plug below
- 8 RIH and tag plug (if there).
- 9 Set CIBP on top of tag or at 8100' if no tag.
- 10 Roll hole clean
- 11 TOOH stand back tubing
- 12 RIH w/ WL and run CBL, send results to engineer to verify next steps
- 13 RIH w/ tubing and pump 25 sx Thermal 35 on CIBP at 8100', ETOC @ 7664'
- 14 PU to 7400', pump 25 sx Thermal 35, ETOC @ 6964'
- 15 TOOH, LD to ~5000', stand back remaining
- 16 RIH w/ WL and shoot holes at 5000' & 4800'
- 17 RIH and set CIGR @ 4900'
- 18 Squeeze 30 sx thru CIGR, leave additional 5 sx on top, ETOC 4793'
- 19 Roll hole clean
- 20 RIH w/ WL and shoot holes at 2400' & 2200'
- 21 RIH and set CIGR @ 2300'
- 22 Squeeze 30 sx thru CIGR, leave additional 5 sx on top, ETOC 2193'
- 23 Roll hole clean
- 24 Verify no migration
- 25 PU to 1400'
- 26 Pump 79 sx Class G + 2%CC from 1400' to approx 350'
- 27 Shoot holes at 300'
- 28 Circulate 62 sx Class G + 2%CC up annulus to surface, fill casing with 23 sx Class G + 2%CC
- 29 Tag plug and top off as needed
- 30 RDMO
- 31 Record cut & cap date in OpenWells
- 32 Cut & cap casing 4' - 6' below GL w/ plate (Well Name, API, Legal Location)

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

Signed: _____ Print Name: Renee Kendrick
Title: SR Regulatory Analyst Date: 4/28/2021 Email: rkendrick@gwp.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: 5/17/2021

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 11/16/2021

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.
	<ol style="list-style-type: none">1) Provide 2 business day notice of plugging MIRU via electronic Form 42.2) After placing the shallowest hydrocarbon isolating plug (7400'), 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 300' 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 101' 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 has been addressed.
	<ol style="list-style-type: none">1. 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 to building units (BUs) all blowdown gases will be controlled.2. Prior to commencing operations, at a minimum, the operator will provide an informational sheet to the BUs that are within 1000 ft of the parcel on which the well is located. The sheet will include the operator's contact information and the nature and timing of the P&A operations.3. This oil and gas location is within the Brighton PWS and CPW-mapped Aquatic Native Species Conservation Water High Priority Habitat along the Third Creek drainage. Operator will review and implement stormwater BMPs and erosion control measures needed to prevent fine-grained sediment and impacted stormwater runoff from entering stormwater conveyances or surface water.4. Berms or other secondary containment devices will be constructed around temporary tanks and equipment.5. Operator will obtain a permit from E-470 and will have a third-party develop and implement a traffic control plan to access the well location for plugging and abandonment. Site access, signs, and traffic control measures will not constitute a traffic hazard.

3 COAs

Attachment List

Att Doc Num

Name

402673666	FORM 6 INTENT SUBMITTED
402673719	LOCATION PHOTO
402673722	SURFACE OWNER CONSENT
402673724	WELLBORE DIAGRAM
402673725	WELLBORE DIAGRAM

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Deepest Water Well within 1 Mile – 1321' SB5 Base of Fox Hills - 1241' Denver49605000401177710.88E NNT Upper Arapahoe4738491960.533915816.46NNT Lower Arapahoe44404663106.663741429.00NT Laramie-Fox Hills38364038148.71241103935.69NT	05/17/2021
Engineer	Well file verification not completed prior to approval of NOIA.	05/17/2021
Permit	-Added as-drilled data per operator. -Confirmed as-drilled well location. -No other forms in process. -Production reporting OK. -Confirmed productive interval docnum: 312507. -Reviewed attachments. -Pass.	04/28/2021

Total: 3 comment(s)