

<b>FORM</b> <b>6</b> Rev 05/18	<b>State of Colorado</b> <b>Oil and Gas Conservation Commission</b> 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109	 	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">DE</td> <td style="width:25%;">ET</td> <td style="width:25%;">OE</td> <td style="width:25%;">ES</td> </tr> </table> <b style="color: red;">Replug By Other Operator</b> Document Number: 402279950 Date Received: 01/08/2020	DE	ET	OE	ES																								
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<b>WELL ABANDONMENT REPORT</b>																															
<p style="font-size: small;">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.</p> <p style="font-size: small;">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.</p>																															
OGCC Operator Number: <u>5</u>		Contact Name: <u>David Andrews</u>																													
Name of Operator: <u>COLORADO OIL &amp; GAS CONSERVATION</u>		Phone: <u>(303) 894-2100 x5686</u>																													
Address: <u>1120 LINCOLN ST SUITE 801</u>		Fax: _____																													
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80203</u>	Email: <u>david.andrews@state.co.us</u>																												
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<input checked="" type="checkbox"/> Notice of Intent to Abandon <input type="checkbox"/> Subsequent Report of Abandonment																															
<i>Only Complete the Following Background Information for Intent to Abandon</i>																															
Latitude: <u>37.110067</u>		Longitude: <u>-108.100555</u>																													
GPS Data:																															
Date of Measurement: _____		PDOP Reading: _____																													
GPS Instrument Operator's Name: _____																															
Reason for Abandonment: <input type="checkbox"/> Dry <input type="checkbox"/> Production Sub-economic <input type="checkbox"/> Mechanical Problems																															
<input checked="" type="checkbox"/> Other <u>COGCC OWP</u>																															
Casing to be pulled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Estimated Depth: _____																													
Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, explain details below																													
Wellbore has Uncemented Casing leaks: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, explain details below																													
Details: <span style="border: 1px solid black; padding: 2px;">This task was originally planned to cut casing, weld plate, and install PA marker. Discovered gas with pressure in casing when valve was opened at surface in October 2017. Prepared wellhead for future re-entry and PA; installed gauge.</span>																															
<b>Current and Previously Abandoned Zones</b>																															
<u>Formation</u>	<u>Perf. Top</u>	<u>Perf. Btm</u>	<u>Abandoned Date</u>																												
<u>GALLUP</u>	<u>2759</u>	<u>3041</u>	<u>06/16/1984</u>																												
<u>Method of Isolation</u>		<u>Plug Depth</u>																													
<u>CEMENT</u>		<u>2740</u>																													
Total: 1 zone(s)																															
<b>Casing History</b>																															
Casing Type	Size of Hole	Size of Casing	Weight Per Foot																												
SURF	12+1/4	10+3/4	32.75																												
1ST	9+7/8	5+1/2	15																												
OPEN HOLE	9+7/8		3,041																												
Setting Depth	Sacks Cement	Cement Bot	Cement Top																												
67	25	67	0																												
2,759	100	2,759	1,759																												
3,041																															
Status																															
VISU																															
CALC																															

Date Run: 1/14/2020 Doc [#402279950] Well Name: TOUCHSTONE-WEBER HEIRS (OWP)
Page 1 of 4

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 2700 with 6 sacks cmt on top. CIPB #2: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIPB #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 1550 ft. with 36 sacks. Leave at least 100 ft. in casing 1500 CICR Depth  
Perforate and squeeze at 1330 ft. with 36 sacks. Leave at least 100 ft. in casing 1275 CICR Depth  
Perforate and squeeze at 895 ft. with 36 sacks. Leave at least 100 ft. in casing 840 CICR Depth

(Cast Iron Cement Retainer Depth)

Set \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged: ☐

Set 75 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. \_\_\_\_\_ inch casing Cut and Cap Date: \_\_\_\_\_  
of \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

The technical plug placements and depths shall follow the attached WBD as there is not enough room on the plugging procedure tab of this form to label all plugs correctly. A CBL shall be ran in the 5.5" production casing to ~2,740' to confirm TOC after drilling out existing surface plug.

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

Signed: \_\_\_\_\_ Print Name: Shannon Chollett  
Title: OWP Engineer Date: 1/8/2020 Email: shannon.chollett@state.co.us

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: Duran, Alicia Date: 1/14/2020

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

Expiration Date: 7/13/2020

COA Type	Description
	<p>1)Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2)Operator shall implement measures to control unnecessary and excessive venting and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.</p> <p>3)Properly abandon flowlines as per Rule 1105. File electronic Form 42 once abandonment complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line the operator shall submit a Flowline Report, Form 44.</p> <p>4)Prior to killing the well, measure the surface casing pressure (Braden Head) and perform a Braden Head test. Report results on a Form 17. If pressure is greater than 25 psi contact COGCC area engineer.</p> <p>a.A sample of both the production and bradenhead gas shall be collected and submitted for laboratory analysis of the gas composition and stable isotopes. The compositional analysis should include hydrogen, argon, oxygen, carbon dioxide, nitrogen, methane (C1), ethane (C2), ethene, propane (nC3), isobutane (iC4), butane (nC4), isopentane (iC5), pentane (nC5), hexanes +, specific gravity and British Thermal Units (BTU).The stable isotope analysis should include delta DC1, delta 13C1, delta 13C2, delta 13C3, delta 13iC4, delta 13nC4, delta 13iC5 (if possible), delta 13nC5 (if possible), and delta 13C of CO2 (if possible). The analytical results shall be submitted to the COGCC via Form 43 (Analytical Sample Submittal Form).</p> <p>b.Gas sample containers should be filled in accordance with container manufacturer or laboratory recommendations; purging multiple container volumes may not be feasible due to limited gas volumes.</p> <p>c.If water is encountered in the bradenhead during testing then samples should be collected and submitted for the laboratory analysis of major anions (chloride, carbonate, bicarbonate, and sulfate), cations (sodium, potassium, calcium, and magnesium) total dissolved solids (TDS), BTEX, DRO, GRO, and dissolved gasses (RSK 175). If there is a limited amount of water available then anions, cations and BTEX should be given first priority. Data from bradenhead water samples shall be submitted to the COGCC via Form 43.</p> <p>d.Please refer to Appendix A of the COGCC Operator Instructions for Bradenhead Testing and Reporting for more information regarding testing and sampling protocol.</p> <p>e.The operator shall provide notice to Environmental Supervisor Alex Fischer at alex.fischer@state.co.us or 303-894-2100 X 5138 and Southwest Region Engineer Alicia Duran at alicia.duran@state.co.us or 303-548-7396, a minimum of 72 hours prior to conducting field operations. Bradenhead testing and sample collection (if applicable). 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>f.Continue to monitor the surface casing pressure throughout the PA</p> <p>g.Check for gas venting outside the surface casing (use gas monitor or flood the cellar with water and look for bubbles)</p> <p>5)Pressure test casing.</p> <p>6)Do not install surface casing shoe plug unless the surface casing pressure is zero. If there is pressure, additional deeper plug(s) will be required to ensure no surface casing pressure.</p> <p>PA marker</p> <p>7)Discuss the type of PA marker with the landowner (welded plate or post)</p> <p>8)The PA marker shall be inscribed with the well's legal location, well name and number, and API Number.</p> <p>9)Leave a vent hole in casing/marker to avoid trapping any potential residual pressure in the casing(s)</p>
	-Obtain as-drilled GPS location for subsequent form 6.

### **Attachment Check List**

Att Doc Num	Name
402279950	FORM 6 INTENT SUBMITTED
402279957	WELLBORE DIAGRAM

Total Attach: 2 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	<ul style="list-style-type: none"><li>-Missing as-drilled well location.</li><li>-Production reporting up-to-date.</li><li>-Confirmed plugging docnum: 546469.</li><li>-Confirmed productive interval docnum: 546484.</li><li>-Reviewed WBDs.</li><li>-Pass.</li></ul>	01/09/2020

Total: 1 comment(s)