


<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		DE	ET	OE	ES																											
			Document Number: 401948814  Date Received: 02/22/2019																														
<b>WELL ABANDONMENT REPORT</b>																																	
<p>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>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: 10112			Contact Name: Bill Johnson																														
Name of Operator: FOUNDATION ENERGY MANAGEMENT LLC			Phone: (918) 5265549																														
Address: 5057 KELLER SPRINGS RD STE 650			Fax:																														
City: ADDISON State: TX Zip: 75001			Email: bjohnson@foundationenergy.com																														
For "Intent" 24 hour notice required,			Name: Browning, Chuck		Tel: (970) 433-4139																												
COGCC contact:			Email: chuck.browning@state.co.us																														
API Number 05-077-05134-00																																	
Well Name: KENWOOD-HUNTERS			Well Number: 4																														
Location: QtrQtr: SWNE Section: 30 Township: 8S Range: 100W Meridian: 6																																	
County: MESA			Federal, Indian or State Lease Number: 35701																														
Field Name: HUNTERS CANYON			Field Number: 37700																														
<input checked="" type="checkbox"/> Notice of Intent to Abandon <input type="checkbox"/> Subsequent Report of Abandonment																																	
Only Complete the Following Background Information for Intent to Abandon																																	
Latitude: 39.332020 Longitude: -108.588241																																	
GPS Data:																																	
Date of Measurement: 07/09/2009 PDOP Reading: 1.9 GPS Instrument Operator's Name: Ben Johnson ULES																																	
Reason for Abandonment: <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Production Sub-economic <input type="checkbox"/> Mechanical Problems																																	
<input type="checkbox"/> Other																																	
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, explain details below																																	
Details:																																	
Current and Previously Abandoned Zones																																	
<table border="1"><thead><tr><th>Formation</th><th>Perf. Top</th><th>Perf. Btm</th><th>Abandoned Date</th><th>Method of Isolation</th><th>Plug Depth</th></tr></thead><tbody><tr><td>MESAVERDE</td><td>2104</td><td>2130</td><td></td><td></td><td></td></tr></tbody></table>							Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth	MESAVERDE	2104	2130																		
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MESAVERDE	2104	2130																															
Total: 1 zone(s)																																	
Casing History																																	
<table border="1"><thead><tr><th>Casing Type</th><th>Size of Hole</th><th>Size of Casing</th><th>Weight Per Foot</th><th>Setting Depth</th><th>Sacks Cement</th><th>Cement Bot</th><th>Cement Top</th><th>Status</th></tr></thead><tbody><tr><td>SURF</td><td>13</td><td>8+5/8</td><td>24</td><td>309</td><td>200</td><td>309</td><td>0</td><td>VISU</td></tr><tr><td>1ST</td><td>7+7/8</td><td>5+1/2</td><td>14</td><td>2,397</td><td>150</td><td>2,397</td><td>1,355</td><td>CBL</td></tr></tbody></table>							Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status	SURF	13	8+5/8	24	309	200	309	0	VISU	1ST	7+7/8	5+1/2	14	2,397	150	2,397	1,355	CBL
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## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 2054 with 2 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: ☐  
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Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐

Perforate and squeeze at 350 ft. with 100 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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ 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. \_\_\_\_\_ inch casing Plugging 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:

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

Signed: \_\_\_\_\_ Print Name: Bill Johnson

Title: P&A Engineer Date: 2/22/2019 Email: bjohnson@foundationenergy.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: Chollett, Shannon Date: 4/24/2019

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

Expiration Date: 10/23/2019

COA Type	Description
	<p>1)Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2)Check bradenhead pressure and perform a bradenhead test prior to MIRU if the pressure is greater than 25 psi measured at the time of the test then 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>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>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>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>The operator shall provide notice to Environmental Supervisor Alex Fischer at alex.fischer@state.co.us or 303-894-2100 X 5138 and Northwest Region Engineer Shannon Chollett at shannon.chollett@state.co.us or 970-250-0130, 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>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)This well has federal minerals. Operator shall notify COGCC engineering staff of any plugging changes required by the BLM or unexpected conditions in the field as soon as feasible.</p> <p>5)Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.</p> <p>6)Tag plug at surface casing shoe and or visually confirm returns to surface in 5.5" production casing as well as annulus between the 5.5" production casing and the 8.625" surface casing.</p>

### **Attachment Check List**

Att Doc Num	Name
1577626	TEMPERATURE LOG
401948814	FORM 6 INTENT SUBMITTED
401948990	WELLBORE DIAGRAM
401948991	WELLBORE DIAGRAM

Total Attach: 4 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Pass	02/27/2019
Well File Verification	Pass	02/25/2019

Total: 2 comment(s)