


FORM 6 Rev 05/18	State of Colorado Oil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109		DE	ET	OE	ES																																				
			Document Number: 401899774 Date Received: 01/09/2019																																							
WELL ABANDONMENT REPORT																																										
<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: 100322			Contact Name: Sonu Choudhary																																							
Name of Operator: NOBLE ENERGY INC			Phone: (303) 228-4302																																							
Address: 1001 NOBLE ENERGY WAY			Fax:																																							
City: HOUSTON State: TX Zip: 77070			Email: narayan.choudhary@nblenergy.com																																							
For "Intent" 24 hour notice required,			Name: Silver, Randy		Tel: (720) 827-6688																																					
COGCC contact:			Email: randy.silver@state.co.us																																							
API Number 05-123-19144-00																																										
Well Name: HSR-GUTTERSEN			Well Number: 3-15																																							
Location: QtrQtr: NENW Section: 15 Township: 3N Range: 64W Meridian: 6																																										
County: WELD			Federal, Indian or State Lease Number: 63666																																							
Field Name: WATTENBERG			Field Number: 90750																																							
<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: 40.230890 Longitude: -104.539550																																										
GPS Data:																																										
Date of Measurement: 01/06/2006 PDOP Reading: 1.9 GPS Instrument Operator's Name: Chris Fisher																																										
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Estimated Depth: 2500																																										
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>CODELL</td><td>6942</td><td>6946</td><td></td><td></td><td></td></tr><tr><td>NIOBRARA</td><td>6726</td><td>6729</td><td></td><td></td><td></td></tr><tr><td>SUSSEX</td><td>4330</td><td>4370</td><td></td><td></td><td></td></tr></tbody></table>							Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth	CODELL	6942	6946				NIOBRARA	6726	6729				SUSSEX	4330	4370															
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Casing History																																										
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Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6676 with 20 sacks cmt on top. CIPB #2: Depth 4280 with 20 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 200 sks cmt from 2550 ft. to 2000 ft. Plug Type: CASING 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 _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

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(Cast Iron Cement Retainer Depth)

Set 265 sacks half in. half out surface casing from 782 ft. to 10 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: Jan Barthel

Title: Engineering Technician Date: 1/9/2019 Email: jan.barthel@nblenergy.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: JENKINS, STEVE Date: 1/11/2019

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 7/10/2019

COA Type	Description
	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Prior to placing the 782' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>3) 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 532' or shallower and provide 10 sx plug at the surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug.</p> <p>5) Properly abandon on-location flowlines as per Rule 1105. File electronic Form 42 once abandonment is complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line, the operator must submit a Flowline Report, Form 44.</p>
	Operator shall implement measures to control venting, 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 welfare.
	<p>If there has not been a reported Bradenhead test within 60 days of plugging this well, prior to starting plugging operations, a Bradenhead test shall be performed.</p> <p>1) If, before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>3) If sampling is required contact COGCC engineering for a confirmation of plugging requirements prior to placing any plugs.</p> <p>Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. The Form 17 shall be submitted within 10 days of the test.</p>

Attachment Check List

Att Doc Num	Name
401899774	FORM 6 INTENT SUBMITTED
401899783	WELLBORE DIAGRAM
401899787	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	<p>1) Deepest Water Well within 1 mile = 220'.</p> <p>2) Fox Hills Bottom- 527', per SB5.</p>	01/11/2019
Well File Verification	Pass	01/10/2019
Permit	<ul style="list-style-type: none"> •Verified SHL lat./long. •Corrected CODL top perf to match attached WBD and Doc. 626794 •NBRR & SUSX perfed intervals verified via Doc. 626794 	01/09/2019

Total: 3 comment(s)