


FORM 6 Rev 12/05	State of Colorado Oil and Gas Conservation Commission <small>1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109</small>				DE	ET	OE	ES																																				
	WELL ABANDONMENT REPORT				Replug By Other Operator																																							
	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.				Document Number: 400799032 Date Received: 03/26/2015																																							
<table style="width:100%;"><tr><td colspan="3">OGCC Operator Number: 100322</td><td colspan="3">Contact Name: Hunter Dunham</td></tr><tr><td colspan="3">Name of Operator: NOBLE ENERGY INC</td><td colspan="3">Phone: (303) 228-4308</td></tr><tr><td colspan="3">Address: 1625 BROADWAY STE 2200</td><td colspan="3">Fax: (303) 228-4286</td></tr><tr><td colspan="3">City: DENVER State: CO Zip: 80202</td><td colspan="3">Email: hdunham@nobleenergyinc.com</td></tr><tr><td colspan="3">For "Intent" 24 hour notice required,</td><td colspan="3">Name: Gomez, Jason Tel: (970) 573-1277</td></tr><tr><td colspan="3">COGCC contact:</td><td colspan="3">Email: jason.gomez@state.co.us</td></tr></table>									OGCC Operator Number: 100322			Contact Name: Hunter Dunham			Name of Operator: NOBLE ENERGY INC			Phone: (303) 228-4308			Address: 1625 BROADWAY STE 2200			Fax: (303) 228-4286			City: DENVER State: CO Zip: 80202			Email: hdunham@nobleenergyinc.com			For "Intent" 24 hour notice required,			Name: Gomez, Jason Tel: (970) 573-1277			COGCC contact:			Email: jason.gomez@state.co.us		
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<input type="checkbox"/> Notice of Intent to Abandon <input checked="" type="checkbox"/> Subsequent Report of Abandonment																																												
<i>Only Complete the Following Background Information for Intent to Abandon</i>																																												
Latitude: 40.515444 Longitude: -104.468143																																												
GPS Data:																																												
Date of Measurement: 09/05/2013 PDOP Reading: 6.0 GPS Instrument Operator's Name: Noble Energy Inc.																																												
Reason for Abandonment: <input checked="" type="checkbox"/> Dry <input 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																																												
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Total: 0 zone(s)																																												
Casing History																																												
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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 50 sks cmt from 1701 ft. to 1490 ft. Plug Type: OPEN HOLE Plug Tagged: ☒

Set 210 sks cmt from 700 ft. to 10 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: ☐

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

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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 _____ 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

Plugging Date: 04/01/2014

*Wireline Contractor: _____

*Cementing Contractor: Bison Oil Well Cementing

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No

*ATTACH JOB SUMMARY

Technical Detail/Comments:

PROCEDURE:

- 1) Survey and locate abandoned well, mark with stake
- 2) Excavate to expose top of surface casing
- 3) Weld 2" collar to top of 8 5/8" surface casing cap. Make up to collar, pneumatic drill with non-sparking bit. Drill out cap venting possible trapped gas.
- 4) Once verified that no gas exists beneath top of surface casing plate, cut off surface casing below plate with torch, dress up smooth.
- 5) Butt weld 8 5/8" casing to dressed cut, bringing threaded end of casing to ground level.
- 6) Make up to 8 5/8" casing, one 8 5/8" collar and 8 5/8" starter well head
- 7) NU flange adaptor and 5k BOP, test BOP.
- 8) NU and RIH with 6 7/8" cone bit, PU 2 7/8" drill collar, 2 7/8" 8.7# tubing, and TIW valve
- 9) Drill out first cement plug inside surface casing, roll hole clean. Verify top of next cement plug inside of surface casing by tagging.
- 10) If unable to verify isolation of surface casing with tag of cement plug, set RBP inside surface casing
- 11) Once isolation of surface casing is established, either with tagging of surface plug or setting of RBP, pressure test surface casing to 200psi
- 12) After pressure test of surface casing, retrieve RBP or continue drill out of cement plug under surface casing shoe.
- 13) Assume pressure under surface casing shoe, roll hole with kill fluid until well dead, or blow down.
- 14) Continue RIH, cleaning out with drilling mud or water to 3000'
- 15) TOO H with cone bit, drill collars, and 2 7/8" tubing.
- 16) PU and RIH with mule shoe and 2 7/8" tubing to 3000'.
- 17) RU cement crew and pump a balanced plug of 100 sks 15.8 ppg Class G "neat" cement
- 18) POOH to 770' (150' below deepest water well @ 620')
- 19) RU cement crew and pump 347 sxs of 15.8ppg Class G "neat" cement bring cement to surface
- 20) POOH with 2 7/8" tubing. Wait 4 hrs, and tag TOC. If cement has fallen, top off back to surface
- 21) Let cement set over night, verify cement has not settled and is still at surface. RDMO
- 22) Excavate around wellhead to 8' below grade, cut off 8 5/8" casing, weld on cap
- 23) Backfill hole and reclaim surface to original conditions

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

Signed: _____ Print Name: Eileen Roberts
Title: Regulatory Analyst I Date: 3/26/2015 Email: eroberts@nobleenergyinc.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: George, Travis Date: 6/6/2016

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400799032	FORM 6 SUBSEQUENT SUBMITTED
400799100	WELLBORE DIAGRAM
400799104	WELLBORE DIAGRAM
400807025	OTHER

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well was likely first plugged in 1977. See 190840.	3/3/2016 2:02:02 PM
Engineer	requested cement/wireline tickets recieved, Engineer ready to pass	12/17/2015 11:39:57 AM

Total: 2 comment(s)