

FORM  
6Rev  
12/05

## 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

Replug By Other Operator

Document Number:

400733134

Date Received:

11/17/2014

## 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: 100322

Contact Name: EILEEN ROBERTS

Name of Operator: NOBLE ENERGY INC

Phone: (303) 228-4330

Address: 1625 BROADWAY STE 2200

Fax: (303) 228-4286

City: DENVER State: CO Zip: 80202

Email: eroberts@nobleenergyinc.com

For "Intent" 24 hour notice required,

Name: Rains, Bill

Tel: (970) 590-6480

COGCC contact:

Email: bill.rains@state.co.us

API Number 05-123-05735-00

Well Name: BEST

Well Number: 1

Location: QtrQtr: NENW Section: 1 Township: 9N Range: 58W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WILDCAT

Field Number: 99999

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

## Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.785984

Longitude: -103.814925

GPS Data:

Date of Measurement: PDOP Reading: GPS Instrument Operator's Name:

Reason for Abandonment: ☐ Dry ☐ Production for Sub-economic ☐ Mechanical Problems☒ Other ReEnter well, set plug, PA well w/ new cement.Casing 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: See Attached procedure of ReEnter and new PA.

## Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth

Total: 0 zone(s)

## Casing History

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status
SURF	13+3/4	10+3/4	32.75	164	177	164	0	VISU
OPEN HOLE	7+7/8			6,312				

## 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	100	sks cmt from	3000	ft. to	2900	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input type="checkbox"/>
Set	50	sks cmt from	1150	ft. to	1050	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input type="checkbox"/>
Set	330	sks cmt from	633	ft. to	0	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type:		Plug Tagged:	<input type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type:		Plug Tagged:	<input type="checkbox"/>

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

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: \_\_\_\_\_

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

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 10 3/4" 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 10 3/4" casing to dressed cut, bringing threaded end of casing to ground level.
- 6) Make up to 10 3/4" casing, one 10 3/4" collar and 10 3/4" 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 (assuming there is one), roll hole clean. Verify top of next cement plug inside of surface casing by tagging (assumption).
- 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 1150' (150' below deepest water well @ 1000')
- 19) RU cement crew and pump a balanced plug of 50 sks 15.8 ppg Class G "neat" cement
- 20) POOH to 633' (150' below Fox Hills). RU cement crew and pump 330 sxs of 15.8ppg Class G "neat" cement bring cement to surface
- 21) POOH with 2 7/8" tubing. Wait 4 hrs, and tag TOC. If cement has fallen, top off back to surface
- 22) Let cement set over night, verify cement has not settled and is still at surface. RDMO
- 23) Excavate around wellhead to 8' below grade, cut off 10 3/4" casing, weld on cap
- 24) 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: 11/17/2014 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: SUTPHIN, DIRK Date: 12/1/2014

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 5/31/2015

<b>COA Type</b>	<b>Description</b>
	1) Provide 24 hour notice of MIRU via electronic Form 42. 2) Submit Form 6 – Subsequent Report of Abandonment within 30 days of plugging in accordance with Rule 311.
	1) As built GPS coordinates will be provided on the form 6, SRA. 2) Operator will submit a Form 42 - Offset Mitigation Completed for the re-plugged well, referencing the API Number of the proposed horizontal well. 3) Operator will submit a Form 4 to report date Final Reclamation will commence. Final reclamation should begin as soon as practicable. 4) Operator will schedule a joint onsite inspection with a COGCC Field Inspector prior to any new disturbance. (This applies if there is no final rec inspection in the well file.)

### **Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
400733134	FORM 6 INTENT SUBMITTED
400733449	WELLBORE DIAGRAM
400733456	WELLBORE DIAGRAM
400733464	LOCATION PHOTO
400733473	PROPOSED PLUGGING PROCEDURE
400733484	SURFACE AGRMT/SURETY

Total Attach: 6 Files

### **General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Engineer	Plugging Procedure: Subtracted 100' for top of open hole plugs at 3000' and 1150' since top and bottom were shown as the same depths.	12/1/2014 4:19:19 PM
Permit	Final Rec Insp. Report in well file.	11/18/2014 8:33:19 AM

Total: 2 comment(s)