

FORM 6

Rev 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



Table with 4 columns: DE, ET, OE, ES

Replug By Other Operator

Document Number:

400715463

Date Received:

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: Rickard, Jeff Tel: (720) 305-8280
COGCC contact: Email: jeffrey.rickard@state.co.us

API Number 05-123-14421-00 Well Name: LORENZ Well Number: 43-28
Location: QtrQtr: NESE Section: 28 Township: 4N Range: 66W Meridian: 6
County: WELD Federal, Indian or State Lease Number: 62239
Field Name: WATTENBERG Field Number: 90750

[X] Notice of Intent to Abandon [] Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.281450 Longitude: -104.774741
GPS Data: Date of Measurement: 10/08/2014 PDOP Reading: 2.1 GPS Instrument Operator's Name: Brian Brinkman
Reason for Abandonment: [] Dry [] Production for Sub-economic [] Mechanical Problems
[X] 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 below
Wellbore has Uncemented Casing leaks: [] Yes [X] No If yes, explain details below
Details: See Attached procedure of ReEntry and new PA

Current and Previously Abandoned Zones

Table with 6 columns: Formation, Perf. Top, Perf. Btm, Abandoned Date, Method of Isolation, Plug Depth. Total: 0 zone(s)

Casing History

Table with 9 columns: Casing Type, Size of Hole, Size of Casing, Weight Per Foot, Setting Depth, Sacks Cement, Cement Bot, Cement Top, Status. Row 1: SURF, 12+1/4, 8+5/8, 24.0, 231, 225, 231, 0,

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 2 sks cmt from 7340 ft. to 6750 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 40 sks cmt from 4200 ft. to 4300 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 100 sks cmt from 3000 ft. to 3000 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 187 sks cmt from 492 ft. to 0 ft. Plug Type: OPEN HOLE 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: _____

*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:

- 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) TOOH 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 100sk 15.8 ppg Class G "neat" cement
- 18) POOH to 492' (150' below base of Fox Hills @ 342')
- 19) RU cement crew and pump 187 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: _____ 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: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: _____

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400715524	LOCATION PHOTO
400715526	WELLBORE DIAGRAM
400715529	OTHER

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)