

FORM
2

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



Document Number:

400398583

Date Received:

04/29/2013

APPLICATION FOR PERMIT TO:

1. Drill, Deepen, Re-enter, Recomplete and Operate

2. TYPE OF WELL

OIL GAS COALBED OTHER _____
SINGLE ZONE MULTIPLE COMMINGLE

Refiling

Sidetrack

PluggingBond SuretyID

20030009

3. Name of Operator: NOBLE ENERGY INC

4. COGCC Operator Number: 100322

5. Address: 1625 BROADWAY STE 2200

City: DENVER State: CO Zip: 80202

6. Contact Name: Liz Lindow Phone: (303)228-4342 Fax: (303)228-4286

Email: llindow@nobleenergyinc.com

7. Well Name: Castor Federal LD Well Number: 15-75-1HN

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 9885

WELL LOCATION INFORMATION

10. QtrQtr: NWNE Sec: 15 Twp: 9N Rng: 58W Meridian: 6

Latitude: 40.757130 Longitude: -103.848900

Footage at Surface: 556 feet FNL/FSL FNL 2247 feet FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4706 13. County: WELD

14. GPS Data:

Date of Measurement: 12/11/2012 PDOP Reading: 1.9 Instrument Operator's Name: Brian Rottinghaus

15. If well is Directional Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 725 FNL 2308 FEL 2308 FEL/FWL 660 FSL 2310 FEL 2310
Bottom Hole: FNL/FSL _____ FEL/FWL _____
Sec: 15 Twp: 9N Rng: 58W Sec: 15 Twp: 9N Rng: 58W

16. Is location in a high density area? (Rule 603b)? Yes No

17. Distance to the nearest building, public road, above ground utility or railroad: 2277 ft

18. Distance to nearest property line: 392 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 258 ft

20. LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
Niobrara	NBRR	535-300	640	All

21. Mineral Ownership: Fee State Federal Indian Lease #: _____

22. Surface Ownership: Fee State Federal Indian

23. Is the Surface Owner also the Mineral Owner? Yes No Surface Surety ID#: _____

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? Yes No

23b. If 23 is No: Surface Owners Agreement Attached or \$25,000 Blanket Surface Bond \$2,000 Surface Bond \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):
 NW/4NE/4, E/2NE/4, Sec 15 T9N R58W, and other lands: horizontal wellbore crosses multiple lease lines within drilling and spacing unit; distance to mineral lease line is 0', distance to unit boundary is 660'.
 25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 660

DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? Yes No If Yes, attach contingency plan.
 28. Will salt sections be encountered during drilling? Yes No
 29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? Yes No
 30. If questions 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? Yes No
 31. Mud disposal: Offsite Onsite **If 28, 29, or 30 are "Yes" a pit permit may be required.**
 Method: Land Farming Land Spreading Disposal Facility Other: _____
 Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	18+1/2	16	0	0	100	6	100	0
SURF	13+3/4	9+5/8	36	0	1,150	520	1,150	0
1ST	8+3/4	7	26	0	5,956	410	5,956	0
1ST LINER	6+1/8	4+1/2	11.6	5806	9,885			

32. BOP Equipment Type: Annular Preventer Double Ram Rotating Head None
 33. Comments 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. THE PRODUCTION LINER WILL BE HUNG OFF INSIDE 7" CASING.

34. Location ID: 423364
 35. Is this application in a Comprehensive Drilling Plan ? Yes No
 36. Is this application part of submitted Oil and Gas Location Assessment ? Yes No
 I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.
 Signed: _____ Print Name: Liz Lindow
 Title: Regulatory Analyst Date: 4/29/2013 Email: llindow@nobleenergyinc.com

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: _____ **Director of COGCC** Date: _____

API NUMBER Permit Number: _____ Expiration Date: _____

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CONDITIONS OF APPROVAL, IF ANY:

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

Date retrieval failed for the subreport 'IntBeliev_NTC' located at: W:\testpub\Net\Reports\believ_ntc.rdl. Please check th

Attachment Check List

Att Doc Num	Name
400398583	FORM 2 SUBMITTED
400398826	30 DAY NOTICE LETTER
400406220	DEVIATED DRILLING PLAN
400406221	DIRECTIONAL DATA
400409817	SURFACE AGRMT/SURETY
400410829	OFFSET WELL EVALUATION
400412861	WELL LOCATION PLAT

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Returned to draft. Plat does not match SHL footages. The order listed is not correct.	5/1/2013 9:59:43 AM
Permit	Returned to draft. Plat does not match SHL footages. The order listed is not correct.	4/30/2013 6:35:40 AM

Total: 2 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)