

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

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Date Received:

01/02/2013

PluggingBond SuretyID

20030009

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 ☐

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: JAN KAJIWARA Phone: (303)228-4092 Fax: (303)228-4286

Email: jkajiwara@nobleenergyinc.com

7. Well Name: LEMLEY FEDERAL PC LF

Well Number: 22-68HNL

8. Unit Name (if appl):

Unit Number:

9. Proposed Total Measured Depth: 10568

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 22 Twp: 8N Rng: 60W Meridian: 6

Latitude: 40.653797

Longitude: -104.085889

Footage at Surface: 475 feet FNL 275 feet FWL

11. Field Name: WILDCAT

Field Number: 99999

12. Ground Elevation: 4915

13. County: WELD

14. GPS Data:

Date of Measurement: 06/25/2012 PDOP Reading: 2.0 Instrument Operator's Name: DARREN SHANKS

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

Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
658 FNL 725 FWL 660 FNL 660 FEL
Sec: 22 Twp: 8N Rng: 60W Sec: 22 Twp: 8N Rng: 60W

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: 263 ft

18. Distance to nearest property line: 275 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1456 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	535-277	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):

T8N, R60W, Sec. 22: NW/4, and other lands, and other leases

25. Distance to Nearest Mineral Lease Line: 0 ft

26. Total Acres in Lease: 160

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: CLOSED LOOP

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	100	6	100	0
SURF	13+3/4	9+5/8	36	0	550	270	550	0
1ST	8+3/4	7	26	0	6,658	450	6,658	
1ST LINER	6+1/8	4+1/2	11.6	6508	10,568			

32. BOP Equipment Type: ☒ Annular Preventer ☒ Double Ram ☒ Rotating Head ☐ None

33. Comments NO CONDUCTOR CASING WILL BE USED. 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. NEAREST WELL IS CARLSON 1-23X AT 359'. MINERAL OWNERSHIP IS BOTH FEE AND FED-LEASE #C-28091.

34. Location ID: _____

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: JAN KAJIWARA

Title: REGULATORY ANALYST

Date: 1/2/2013

Email: jkajiwara@nobleenergyinc.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: 4/20/2013

API NUMBER

05 123 37163 00

Permit Number: _____

Expiration Date: 4/19/2015

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.

- 1) Provide 48 hour notice prior to spud via electronic Form 42.
- 2) Provide cement coverage to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
2485067	SURFACE CASING CHECK
2486109	DEVIATED DRILLING PLAN
2486110	WELL LOCATION PLAT
400349510	FORM 2 SUBMITTED
400360936	DIRECTIONAL DATA
400360940	30 DAY NOTICE LETTER
400363711	SURFACE AGRMT/SURETY
400398431	DIRECTIONAL DATA

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	In response to the public comment regarding 510 statements. The 510 statements were heard and recorded for docket 1301-SP-15 which became order 535-277. No LGD comment. Final review complete.	4/10/2013 10:03:37 AM
Permit	Per operator input updated distance to nearest wellbore.	4/10/2013 8:26:42 AM
Permit	Per operator corrected surface and minerals information. Requested updated distance to nearest wellbore.	4/9/2013 10:49:20 AM
Permit	Requested information on mineral lease.	4/3/2013 6:12:29 AM
Permit	Changed well name per operator.	4/2/2013 8:44:40 AM
Engineer	jkajiwara sent new deviated drilling plan and plat in email 3/27. Requested new directional template by phone. 4/1/13 - Received new template (directional data) via email. Fwd'd to prmtg-SF, passed and removed Hold. ATTACHED: THE NEW PLAT AND DEVIATED DRILLING PLAN. PLEASE CHANGE: #9 PROPOSED TD: 10568' #15: FOOTAGE AT TOP OF PROD ZONE: 658' FNL 725' FWL FOOTAGE BOTTOM HOLE: 660' FNL 660' FEL SECTION 22 #31: CASING: 1STSTRING: SETTING DEPTH: 6658' CMT, BTM: 6658' 1STLINER: CSG/LINER TOP: 6508', SETTING DEPTH 10568' ALSO #20 SPACING: SPACING ORDER APPLICATION, CAUSE NO. 535 AND DOCKET NO. 1301-SP-15 WAS APPROVED 3/25/13.	4/1/2013 3:08:04 PM
Engineer	2/8/13 - jkajiwara@nobleenergyinc.com advises Noble will do Option 1 for this well. Waiting on revised footages, etc.	2/20/2013 1:38:35 PM
Public	I am requesting that you defer approval of this application for a drilling permit until the COGCC board of commissioners have heard the spacing docket and issued orders relating to it. I have submitted a 510 statement to the Hearings dept concerning DOCKET 1301-SP-15 and issues of concern	1/23/2013 4:40:34 PM
Engineer	On Hold - Emailed operator [jkajiwara@nobleenergyinc.com] Evaluated for existing wells within 500' of proposed directional. The following wells within 500' of the proposed directional plan do not have adequate aquifer or Niobrara isolation: API # 05-123-13652, Duell #3-23, NENW 23-8N-60W	1/9/2013 4:01:39 PM
Permit	Incorrect field name and number. Initial review complete. Section 22 and 23 part of hearing application docket 1301-SP-05 that was continued to the February hearing.	1/9/2013 8:05:23 AM

Total: 10 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location, and will remain in place until the pad reaches final reclamation.
General Housekeeping	Housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pickup trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
Material Handling and Spill Prevention	Spill prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.

Total: 3 comment(s)