

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:

400333600

Date Received:

12/03/2012

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: Justin Garrett Phone: (303)228-4449 Fax: (303)228-4286

Email: JDGarrett@nobleenergyinc.com

7. Well Name: SLW Ranch Well Number: B12-62-1HN

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

9. Proposed Total Measured Depth: 10788

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 12 Twp: 5N Rng: 64W Meridian: 6

Latitude: 40.408270 Longitude: -104.507250

Footage at Surface: 648 feet FNL/FSL 246 feet FEL/FWL
FSL FWL

11. Field Name: Kersey Field Number: 44600

12. Ground Elevation: 4596 13. County: WELD

14. GPS Data:

Date of Measurement: 05/30/2012 PDOP Reading: 2.5 Instrument Operator's Name: Adam Kelly

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
330 FSL 875 FWL 330 FSL 535 FEL
Sec: 12 Twp: 5N Rng: 64W Sec: 12 Twp: 5N Rng: 64W

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: 236 ft

18. Distance to nearest property line: 246 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 147 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		320	GWA

21. Mineral Ownership: ☐ Fee ☒ State ☐ Federal ☐ Indian Lease #: 81/6531-S

22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: 20030012

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):

Horizontal wellbore will produce from multiple leases. Please see attached lease description.

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+0/0		0	100	6	100	0
SURF	13+3/4	9+5/8	36	0	550	270	550	0
1ST	8+3/4	7+0/0	26	0	6,899	470	6,899	
1ST LINER	6+1/8	4+1/2	11.6	6749	10,788			

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

33. Comments First String top of cement will be 200' above Niobrara formation. The production liner will be hung off inside 7" casing. Question 19 nearest well is Thomson B12-13. Well is part of a five-well pad consisting of the proposed SLW Ranch B12-62-1HN (Doc #400333600), SLW Ranch B12-63-1HN (Doc #400333601), SLW Ranch B12-64-1HN (Doc #400333602), SLW Ranch B12-79HN (Doc #400333603), and SLW Ranch B13-69HN (Doc #400333604); multi-well plan attached. The production facilities for the proposed pad will be added to existing equipment 1595' NE of the pad site (Doc #400338352). Noble Energy Inc. requests approval of Rule 318A.a Surface location outside window; 318A.c Twinning location exception, request letter and signed waiver are attached. Unit Configuration = S/2S/2 Sec 12, N/2N/2 Sec 13. Also fee mineral ownership.

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: Justin Garrett

Title: Regulatory Specialist Date: 12/3/2012 Email: JDGarrett@nobleenergyinc.co

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: Matthew Lee Director of COGCC Date: 1/4/2013

API NUMBER

05 123 36532 00

Permit Number: _____ Expiration Date: 1/3/2015

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.

Operator must meet water well testing requirements per Rule 318A.

- 1) Provide notice of MIRU via an electronic Form 42.
- 2) Comply with Rule 317.i and provide cement coverage from the 7" casing TD to a minimum of 200' above the Niobrara. Verify coverage with a cement bond log.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area.

Attachment Check List

Att Doc Num	Name
2233256	WAIVERS
2482011	SURFACE CASING CHECK
400333600	FORM 2 SUBMITTED
400353339	DIRECTIONAL DATA
400353340	30 DAY NOTICE LETTER
400353342	WELL LOCATION PLAT
400353343	DEVIATED DRILLING PLAN
400353344	LEGAL/LEASE DESCRIPTION
400353345	EXCEPTION LOC REQUEST
400353346	EXCEPTION LOC WAIVERS
400353347	PROPOSED SPACING UNIT

Total Attach: 11 Files

General Comments

User Group	Comment	Comment Date
Permit	Per operator input distance to nearest wellbore and attached 318Am letter. Final Review Completed. No LGD or public comment received.	1/2/2013 1:00:13 PM
Permit	Requested distance to nearest wellbore again.	12/31/2012 7:31:09 AM
Engineer	Evaluated offset wells for adequate cement coverage.	12/11/2012 12:04:44 PM
Permit	State land board ok with location and bond.	12/5/2012 12:49:15 PM
Permit	Initial review complete. Notified state land board. Requested updated distance to nearest wellbore. Well will also produce fee minerals.	12/5/2012 10:35:07 AM
Permit	Horizontal well crosses lease lines within GWA horizontal wellbore unit; distance to lease line is 0'; distance to unit boundary is 535'.	12/5/2012 10:35:06 AM
Permit	Operator requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Request and waivers attached.	12/5/2012 10:35:04 AM
Permit	Operator made correction.	12/4/2012 1:57:38 PM
Permit	Returned to draft. BHL footage should be FEL.	12/4/2012 1:45:57 PM

Total: 9 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.
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.
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.

Total: 3 comment(s)