

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



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07/23/2013

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: SENECA E Well Number: 15-72-1HC

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

9. Proposed Total Measured Depth: 11670

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 14 Twp: 6N Rng: 65W Meridian: 6

Latitude: 40.479670 Longitude: -104.638160

Footage at Surface: 315 feet FNL/FSL 530 feet FEL/FWL
 FSL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4738 13. County: WELD

14. GPS Data:

Date of Measurement: 03/11/2013 PDOP Reading: 2.1 Instrument Operator's Name: DAVID C HOLMES

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
 727 FSL 330 FEL 535 FNL 330 FEL
 Sec: 15 Twp: 6N Rng: 65W Sec: 15 Twp: 6N Rng: 65W

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: 307 ft

18. Distance to nearest property line: 299 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 354 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.)
CODELL	CODL		320	GWA

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. 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 ☒ No23b. 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):

Please see attached. Wellbore will produce from multiple leases. Horizontal well crosses lease line within GWA horizontal wellbore unit; distance to lease line is 0 feet; distance to nearest unit boundary is 535 feet.

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 176

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	590	290	590	0
1ST	8+3/4	7	26	0	7637	510	7637	
1ST LINER	6+1/8	4+1/2	11.6	7387	11670			

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

33. Comments 7 WELL PAD: RELIANCE E23-79HN, EAGLE E14-62-1HN, EAGLE E14-63-1HN, EAGLE E14-79HN, SENECA E15-72-1HN, SENECA E15-72-1HC, TAHOMA E22-69HN. UNIT CONFIGURATION = Sec 14: W/2W/2, Sec 15: E/2E/2. NEAREST WELL PERMITTED/COMPLETED IN SAME FORMATION IS THE Dinner 15-1 (API: 05-123-10987) LOCATED APPROX. 354' SW OF THE WELL BEING PERMITTED. SUA FOR WAIVER LANGUAGE.

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: 7/23/2013 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: Matthew Lee Director of COGCC Date: 1/21/2014

API NUMBER

05 123 38865 00

Permit Number: _____ Expiration Date: 1/20/2016

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.

Description

Open hole resistivity and gamma logs shall be run to describe the stratigraphy of the entire well bore and to adequately verify the setting depth of surface casing and aquifer coverage. On a multi-well pad, these open hole logs are only required on one of the first wells drilled on the pad and the Form 5 for every well on the pad shall identify which well was logged.

Operator acknowledges the proximity of the listed wells. Operator agrees to provide mitigation Option 1 or 2 per the DJ Basin Horizontal Offset Policy, ensure all applicable documentation is submitted based on the selected mitigation option chosen, and submit a Form 42(s) ("OFFSET MITIGATION COMPLETED") for the remediated wells, referencing the API Number of the proposed horizontal well(s) stating what appropriate mitigation occurred and that it has been completed, prior to the hydraulic stimulation of this well.

Dinner #13-33 API #05-123-22370
Palser E. #14-23 API #05-123-22616
Schwisow E. #14-16 API #05-123-16126
Schwisow E. #14-09 API #05-123-16125
Dinner #14-32 API #05-123-21943
Dinner #14-31 API #05-123-21944
Dinner #1 API #05-123-10788
Dinner #15-43 API #05-123-20032
Mel Bickling #31-22 API #05-123-11059
Bickling E. #22-8 API #05-123-18788
Dinner #23-2 API #05-123-17767
Feit E. #23-5 API #05-123-17728
Feit E. #23-3 API #05-123-17727
Feit #2-23 EG API #05-123-12056
Ryan #1-26 EG API #05-123-07431

Operator shall comply with Buffer Zone Move-In, Rig-Up Notice Policy dated 12-16-2013.

Operator acknowledges the proximity of the listed non operated wells. Operator agrees to provide mitigation Option 1 or 2 per the DJ Basin Horizontal Offset Policy, ensure all applicable documentation is submitted based on the selected mitigation option chosen, and submit a Form 42(s) ("OFFSET MITIGATION COMPLETED") for the remediated wells, referencing the API Number of the proposed horizontal well(s) stating what appropriate mitigation occurred and that it has been completed, prior to the hydraulic stimulation of this well.

JR #1 API #05-123-12840
Benson #24-15 API #05-123-14705
Benson #13-15 API #05-123-12942
Willson #1-15 API #05-123-13327
Riggs #44-16 API #05-123-14480
Ole #21-24 API #05-123-23634
Ole #4-24 API #05-123-13239

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

Operator acknowledges the proximity of the listed non producing wells. Operator agrees to provide mitigation Option 3 per the DJ Basin Horizontal Offset Policy, ensure all applicable documentation is submitted based on the selected mitigation option chosen, and submit a Form 42(s) ("OFFSET MITIGATION COMPLETED") for the remediated wells, referencing the API Number of the proposed horizontal well(s) stating what appropriate mitigation occurred and that it has been completed, prior to the hydraulic stimulation of this well.

Bickling #1 API #05-123-13024
Dinner #15-1 API #05-123-10987
Dinner #15-2 API #05-123-11166
Mel Bickling #11-22 API #05-123-10719

- 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.
- 2) Comply with Rule 317.i and provide cement coverage from end of 7" casing to a minimum of 200' above Niobrara and from 200' below and 200' above Parkman. Verify coverage with cement bond log.
- 3) Comply with Rule 321. 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.

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

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400420670	FORM 2 SUBMITTED
400453545	30 DAY NOTICE LETTER
400453548	MINERAL LEASE MAP
400453551	OFFSET WELL EVALUATION
400453554	WELL LOCATION PLAT
400453556	DEVIATED DRILLING PLAN
400453558	SURFACE AGRMT/SURETY
400453568	PROPOSED SPACING UNIT
400453569	EXCEPTION LOC REQUEST
400453571	DIRECTIONAL DATA

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Article 1E of SUA contains waiver language. Ready to pass pending public comment.	8/5/2013 12:58:42 PM
Permit	This form has passed completeness.	7/24/2013 10:34:38 AM

Total: 2 comment(s)

Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	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.
2	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.
3	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)