

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:

400448098

Date Received:

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

Email: JDGarrett@nobleenergyinc.com

7. Well Name: Five Rivers Well Number: K18-69HN

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

9. Proposed Total Measured Depth: 16125

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 8 Twp: 4N Rng: 66W Meridian: 6

Latitude: 40.321310 Longitude: -104.794680

Footage at Surface: 862 feet FNL/FSL FSL 689 feet FEL/FWL FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4702 13. County: WELD

14. GPS Data:

Date of Measurement: 05/22/2013 PDOP Reading: 1.4 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 FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
74 FSL 1400 FEL 75 FSL 535 FWL
Sec: 8 Twp: 4N Rng: 66W Sec: 7 Twp: 4N Rng: 66W16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No

17. Distance to the nearest building, public road, above ground utility or railroad: 477 ft

18. Distance to nearest property line: 487 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 112 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		656	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):

T4N-R66W Sec 7: SW/4SE/4. 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: 40

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	100	6	100	0
SURF	13+3/4	9+5/8	36	0	550	270	550	0
1ST	8+3/4	7	26	0	7,552	510	7,552	
1ST LINER	6+1/8	4+1/2	11.6	7402	16,125			

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. Well is part of a two-well pad consisting of the proposed Five Rivers K18-69HN (Doc #400448098) and Five Rivers K07-62-1HN (Doc #400448099). The production facilities will be added to existing equipment within the pad disturbance and dedicated to the wells being permitted and the Five Rivers K07-63-1HN Pad 935' NE. 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. Noble Energy Inc. requests approval of a Rule 318.A.m. exception location; wellhead lateral is to be located less than 150' from an existing wellbore. Request attached. Question 19 nearest well is the Five Rivers K17-27 (API: 05-123-31980). A Wildlife Assessment report is included in this permit package, as the well location is in a sensitive wildlife area. Unit Configuration = Sec 7: S/2S/2, Sec 8: S/2S/2, Sec 17: N/2N/2, Sec 18: N/2N/2.

34. Location ID: 319448

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 Analyst Date: _____ Email: JDGarrett@nobleenergyinc.

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

05

Permit Number: _____ Expiration Date: _____

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.

Data retrieval failed for the subreport 'IntPolicy_NTO' located at: W:\Inetpub\Net\Reports\policy_nto.rdlc. Please check th

Attachment Check List

Att Doc Num	Name
400455317	DIRECTIONAL DATA
400455320	30 DAY NOTICE LETTER
400455375	DEVIATED DRILLING PLAN
400455376	PLAT
400455377	OFFSET WELL EVALUATION
400455378	SENSITIVE AREA DATA
400455379	SURFACE AGRMT/SURETY
400455380	EXCEPTION LOC REQUEST
400455381	EXCEPTION LOC REQUEST
400455382	EXCEPTION LOC WAIVERS
400455383	PROPOSED SPACING UNIT

Total Attach: 11 Files

General Comments

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

Total: 0 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	<p>Anti-collision: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an as-constructed gyro survey will be submitted to COGCC with the Form 5.</p> <p>During and Post stimulation: Noble Energy will comply with the COGCC Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated 5/29/12</p>
General Housekeeping	<p>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.</p>
Material Handling and Spill Prevention	<p>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.</p>
Storm Water/Erosion Control	<p>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.</p>

Total: 4 comment(s)