

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:

400349506

Date Received:

01/14/2013

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: MARI CLARK Phone: (303)228-4413 Fax: (303)228-4286

Email: mclark@nobleenergyinc.com

7. Well Name: BULLEIT FEDERAL PC LG Well Number: 04-62HN

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

9. Proposed Total Measured Depth: 10292

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 4 Twp: 8N Rng: 59W Meridian: 6

Latitude: 40.685280 Longitude: -103.972920

Footage at Surface: 430 feet FNL/FSL 300 feet FEL/FWL
FSL FEL

11. Field Name: WILDCAT Field Number: 99999

12. Ground Elevation: 4814 13. County: WELD

14. GPS Data:

Date of Measurement: 09/17/2012 PDOP Reading: 1.4 Instrument Operator's Name: WYATT HALL

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
660 FSL 729 FEL 660 FSL 660 FWL
Sec: 4 Twp: 8N Rng: 59W Sec: 4 Twp: 8N Rng: 59W

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: 296 ft

18. Distance to nearest property line: 300 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 220 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	535-436	640	Sec. 4: 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):

25. Distance to Nearest Mineral Lease Line: 0 ft26. Total Acres in Lease: 320**DRILLING PLANS AND PROCEDURES**27. Is H2S anticipated? ☐ Yes ☒ No If Yes, attach contingency plan.28. Will salt sections be encountered during drilling? ☐ Yes ☒ No29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? ☐ Yes ☒ No30. If questions 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? ☐ Yes ☒ No31. Mud disposal: ☒ Offsite ☐ Onsite

If 28, 29, or 30 are "Yes" a pit permit may be required.

Method: ☒ Land Farming ☐ Land Spreading ☐ Disposal FacilityOther: 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	1450	720	1450	0
1ST	8+3/4	7+0/0	26	0	6429	440	6429	
1ST LINER	6+1/8	4+1/2	11.6	6279	10292			

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. HORIZONTAL WELLBORE WILL PRODUCE FROM MULTIPLE LEASES. SEE # 24 LEASE DESC. OPERATOR WILL PARTICIPATE IN THE COLORADO OIL & GAS ASSOCIATION VOLUNTARY BASELINE GROUNDWATER QUALITY SAMPLING PROGRAM.

34. Location ID: _____

35. Is this application in a Comprehensive Drilling Plan ? ☐ Yes ☐ No36. 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: MARI CLARKTitle: REGULATORY ANALYST IIDate: 1/14/2013Email: mclark@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: 1/3/2014**API NUMBER**

05 123 38758 00

Permit Number: _____

Expiration Date: 1/2/2016**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

- 1) Provide 48 hour notice of spud via electronic Form 42.
- 2) Set at least 1450' of surface casing. Cement to surface.
- 3) Provide cement coverage from base of intermediate casing to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) 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

<u>Att Doc Num</u>	<u>Name</u>
2485380	SURFACE CASING CHECK
400349506	FORM 2 SUBMITTED
400367752	DIRECTIONAL DATA
400369558	30 DAY NOTICE LETTER
400369559	DEVIATED DRILLING PLAN
400369560	WELL LOCATION PLAT

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Gray #1, API #05-123-10256, was plugged 7/3/13. Form 6 - SRA approved.	1/3/2014 10:35:58 AM
Permit	Order 535-436 approved at December hearing.	1/2/2014 12:35:32 PM
Permit	Continued to December hearing due to BLM protest. This horizontal wellbore crosses fed. minerals.	9/19/2013 11:53:29 AM
Permit	Continued to September hearing.	8/21/2013 6:32:29 AM
Permit	Continued to July hearing	6/26/2013 10:25:37 AM
Permit	Operator applied for spacing docket 1306-SP-97 for the June hearing.	6/10/2013 6:28:26 AM
Permit	Order 535-69 does not apply to this section. Requested updated spacing information from operator.	3/19/2013 6:21:22 AM
Permit	Horizontal wellbore crosses lease lines within drilling and spacing unit; distance to lease line is 0'; distance to unit boundary is 660'.	3/19/2013 6:12:37 AM
Engineer	Operator replied that they have selected Option 3 (re-enter and re-plug the inadequately plugged well). Removed Hold. from: MClark@nobleenergyinc.com to: dirk.sutphin@state.co.us date: Thu, Mar 14, 2013 at 2:54 PM: Noble Energy intends to utilize Option 3 for the above well. It has been "on Hold" waiting for a final determination by Noble's Engineering staff. Noble understands a COA addressing the mitigation for the offset well Gray #1, API #05-123-10256, will be attached to the approval of said documents above. Thank you for your patience in this regard. MARI CLARK, REGULATORY ANALYST II	3/18/2013 9:44:51 AM
Engineer	On Hold - Emailed operator [MCLARK@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 # 05-123-10256, Gray #1, SESE 4-8N-59W	1/28/2013 11:44:18 AM
Permit	Per operator corrected acres in lease and lease description.	1/16/2013 3:21:23 PM
Permit	Requested surface and minerals information. Initial review complete.	1/16/2013 1:22:40 PM

Total: 12 comment(s)

Best Management Practices

No	BMP/COA Type	Description
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 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.
4	Drilling/Completion Operations	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. 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.

Total: 4 comment(s)