

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
Document Number: 400229779			
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: jkajiwar@nobleenergyinc.com
7. Well Name: BASHOR AC Well Number: 18-62HN
8. Unit Name (if appl): _____ Unit Number: _____
9. Proposed Total Measured Depth: 10851

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 18 Twp: 7N Rng: 63W Meridian: 6
Latitude: 40.567500 Longitude: -104.471430

Footage at Surface: 270 feet FNL/FSL 275 feet FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4792 13. County: WELD

14. GPS Data:

Date of Measurement: 10/06/2011 PDOP Reading: 1.8 Instrument Operator's Name: ROBERT DALEY

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

Footage at Top of Prod Zone: FNL/FSL 654 FSL 720 FEL 660 FSL 535 FWL 660 FSL 535 FWL
Sec: 18 Twp: 7N Rng: 63W Sec: 18 Twp: 7N Rng: 63W

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: 424 ft

18. Distance to nearest property line: 270 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 5280 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		160	GWA

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):

Please see attached.

25. Distance to Nearest Mineral Lease Line: 535 ft

26. Total Acres in Lease: 2154

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	1,000	491	1,000	0
1ST	8+3/4	7	26	0	7,176	502	7,176	
1ST LINER	6+1/8	4+1/2	11.6	5964	10,851			

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

33. Comments The production liner will be hung off inside 7" casing. The proposed Bashor AC18-62HN is a single well with the production facilities within the well site disturbance and dedicated to the well being permitted. Unit Configuration = S/2S/2 Sec 18. Noble Energy Inc. requests approval of Rule 318A.a Surface location outside window; location exception request letter and signed waiver are attached.

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: 1/23/2012 Email: jkajiwar@nobleenergyinc.com

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: David S. Nashin

Director of COGCC Date: 2/16/2012

API NUMBER

05 123 35093 00

Permit Number: _____ Expiration Date: 2/15/2014

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 24 hour notice of MIRU to John Montoya by e-mail at John.Montoya@state.co.us. Provide the following information: Operator Name, Well Name and Number, API #, Spud Date, Contact Name, Contact Phone #, Email Address.
- 2) Provide cement coverage from base of intermediate casing 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.
- Operator must meet water well sampling requirements as per Rule 318A.

Attachment Check List

Att Doc Num	Name
2331435	SURFACE CASING CHECK
400229779	FORM 2 SUBMITTED
400229897	30 DAY NOTICE LETTER
400229898	WELL LOCATION PLAT
400229899	DEVIATED DRILLING PLAN
400229900	EXCEPTION LOC WAIVERS
400244279	DIRECTIONAL DATA
400244281	LEGAL/LEASE DESCRIPTION
400244282	SURFACE AGRMT/SURETY
400244286	PROPOSED SPACING UNIT
400244288	EXCEPTION LOC REQUEST

Total Attach: 11 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	No LGD or public comment received; final review completed.	2/14/2012 7:47:21 AM

Total: 1 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
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 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
Storm Water/Erosion Control	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)