

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



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APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☐ GAS ☒ COALBED ☐ OTHER _____
SINGLE ZONE ☐ MULTIPLE ZONE ☒ COMMINGLE ZONE ☐

Refiling ☐
Sidetrack ☐

Document Number:

400050778

Plugging Bond Surety

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

Email: mclark@nobleenergyinc.com

7. Well Name: SHABLE PC GK Well Number: 19-99HZ

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

9. Proposed Total Measured Depth: 11489

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 19 Twp: 11N Rng: 61W Meridian: 6

Latitude: 40.903680 Longitude: -104.241940

Footage at Surface: 1260 FNL/FSL FSL 630 FEL/FWL FEL

11. Field Name: GROVER Field Number: 33380

12. Ground Elevation: 5126 13. County: WELD

14. GPS Data:

Date of Measurement: 03/23/2010 PDOP Reading: 2.7 Instrument Operator's Name: NICOLE F HAY

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

Footage at Top of Prod Zone: FNL/FSL 1828 FSL 1187 FEL 630 FEL/FWL 1260 FWL
Sec: 19 Twp: 11N Rng: 61W Sec: 19 Twp: 11N Rng: 61W

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: 1200 ft

18. Distance to nearest property line: 630 ft 19. Distance to nearest well permitted/completed in the same formation: 1425 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	unspaced	640	Section 19

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#: 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):
See attached.

25. Distance to Nearest Mineral Lease Line: 630 ft 26. Total Acres in Lease: 1523

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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☒ Yes ☐ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☒ Offsite ☐ Onsite

Method: ☒ Land Farming ☐ Land Spreading ☐ Disposal Facility Other: _____

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	9+5/8	36	1,100	350	1,100	0
1ST	8+3/4	7+0/0	26	7,272	650	7,272	
1ST LINER	8+3/4	4+1/2	11.6				

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

33. Comments NO CONDUCTOR CASING WILL BE USED. 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. THE PRODUCTION LINER WILL BE HUNG OFF INSIDE 7" CASING. Production facilities will be located on the same location and dedicated to the well location being permitted. See 400050779 for information.

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: MARI CLARK

Title: REG. ANALYST II Date: 3/30/2010 Email: mclark@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: _____ 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.

Attachment Check List

Att Doc Num	Name	Doc Description
400050818	WELL LOCATION PLAT	2415-Sharp-5001N_20100330_075311.pdf
400050819	LEGAL/LEASE DESCRIPTION	2415-Sharp-5001N_20100330_075325.pdf
400050820	30 DAY NOTICE LETTER	2415-Sharp-5001N_20100330_075341.pdf
400050821	DEVIATED DRILLING PLAN	2415-Sharp-5001N_20100330_075354.pdf

Total Attach: 4 Files