

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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Document Number:

400086078

Plugging Bond Surety

20030009

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 ☐

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: GUNNER STATE AA Well Number: 16-99HZ

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

9. Proposed Total Measured Depth: 11611

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 16 Twp: 6N Rng: 63W Meridian: 6

Latitude: 40.491070 Longitude: -104.450140

Footage at Surface: 1050 FNL/FSL FNL 370 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4682 13. County: WELD

14. GPS Data:

Date of Measurement: 08/06/2010 PDOP Reading: 2.7 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 1594 FNL 953 FWL 460 FSL 1120 FEL 460 FSL 1120 FEL 460
Sec: 16 Twp: 6N Rng: 63W Sec: 16 Twp: 6N 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: 485 ft

18. Distance to nearest property line: 370 ft 19. Distance to nearest well permitted/completed in the same formation: 610 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	ALL

21. Mineral Ownership: ☐ Fee ☒ State ☐ Federal ☐ Indian Lease #: 9056.6

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):
6N-63W, SECTION 16: ALL

25. Distance to Nearest Mineral Lease Line: 460 ft 26. Total Acres in Lease: 640

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: 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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
CONDUCTOR	18+1/2	16+0/0		100	6	100	
SURF	12+1/4	9+5/8	36	650	205	650	
1ST	8+3/4	7+0/0	26	6,930	610	6,930	
1ST LINER	6+1/8	4+1/2	11.6	11,611			

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

33. Comments 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. THE PRODUCTION FACILITIES WILL BE LOCATED ON THE SAME LOCATION & DEDICATED TO THE WELL LOCATION BEING PERMITTED. THE PRODUCTION LINER WILL BE HUNG OFF INSIDE 7" CASING. Operator requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Waiver 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: MARI CLARK

Title: REG. ANALYST II Date: 9/17/2010 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: David S. Neslin Director of COGCC Date: 10/14/2010

Permit Number: _____ Expiration Date: 10/13/2012

API NUMBER

05 123 32365 00

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.

COGCC ENG COA – SME:

- 1) Provide 24 hr notice of spud to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us.
- 2) Set surface casing per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) If completed, provide cement coverage from the first casing shoe to a minimum of 200' above Niobrara. Verify cement with a cement bond log.
- 4) 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.

Attachment Check List

Att Doc Num	Name	Doc Description
1726196	SURFACE CASING CHECK	LF@2598724 1726196
400086078	FORM 2 SUBMITTED	LF@2544423 400086078
400092366	WELL LOCATION PLAT	LF@2544424 400092366
400092369	30 DAY NOTICE LETTER	LF@2544425 400092369
400092374	EXCEPTION LOC WAIVERS	LF@2544426 400092374
400093645	EXCEPTION LOC REQUEST	LF@2544427 400093645
400093646	PROPOSED SPACING UNIT	LF@2544428 400093646
400093915	DEVIATED DRILLING PLAN	LF@2544429 400093915

Total Attach: 8 Files

General Comments

User Group	Comment	Comment Date
Permit	Opr resubmitted w/correct position of attachment	9/21/2010 8:09:11 AM
Permit	Back to draft for Deviated Drilling Plan to be turned & orientated to protrait.	9/20/2010 1:13:08 PM

Total: 2 comment(s)

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