

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:

400051599

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: Susan Miller Phone: (303)228-4246 Fax: (303)228-4286

Email: smiller@nobleenergyinc.com

7. Well Name: DINNEL Well Number: C27-28D

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

9. Proposed Total Measured Depth: 7090

WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 22 Twp: 4N Rng: 64W Meridian: 6

Latitude: 40.292340 Longitude: -104.539340

Footage at Surface: 601 FNL/FSL FSL 1974 FEL/FWL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4671 13. County: WELD

14. GPS Data:

Date of Measurement: 03/04/2010 PDOP Reading: 1.6 Instrument Operator's Name: Daley Land Surveying

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

Footage at Top of Prod Zone: FNL/FSL 150 FSL FSL 2550 FEL FEL Bottom Hole: FNL/FSL 150 FSL FSL 2550 FEL FEL
Sec: 22 Twp: 4N Rng: 64W Sec: 22 Twp: 4N Rng: 64W

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: 580 ft

18. Distance to nearest property line: 570 ft 19. Distance to nearest well permitted/completed in the same formation: 1342 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.)
Codell	CODL	407-87	160	GWA
Niobrara	NBRR	407-87	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 mineral lease map.

25. Distance to Nearest Mineral Lease Line: 150 ft 26. Total Acres in Lease: 106

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	8+5/8	24	700	350	700	0
1ST	7+7/8	4+1/2	11.6	7,090	634	7,090	

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

33. Comments No conductor casing will be used. 1st string top of cement will be 200' above Niobrara formation. 1 three-phase flowline will be installed at the wellhead to an existing production facility located 1440' southwest of the location. See 2A document no. 400051379 for facility. Unit Configuration: T4N-R64W, Sec 22: SESW, SWSE; Sec 28: NENW, NWNE.

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: Susan Miller

Title: Regulatory Analyst II Date: 6/22/2010 Email: smiller@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 G. Neslin Director of COGCC Date: 7/22/2010

API NUMBER

05 123 31922 00

Permit Number: _____ Expiration Date: 7/21/2012

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 to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us.
- 2) Note surface casing setting depth change from 500' to 680'. Increase cement coverage accordingly. Set surface casing per Rule 317d, cement to surface.
- 3) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) If dry hole, 40 sks cement 50' above Niobrara top, 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole. Restore surface location.

Attachment Check List

Att Doc Num	Name	Doc Description
400051599	FORM 2 SUBMITTED	LF@2496262 400051599
400060144	30 DAY NOTICE LETTER	LF@2496263 400060144
400060146	WELL LOCATION PLAT	LF@2496293 400060146
400065874	DEVIATED DRILLING PLAN	LF@2496294 400065874
400071851	PROPOSED SPACING UNIT	LF@2496295 400071851
400071852	PROPOSED SPACING UNIT	LF@2496296 400071852
400071853	MINERAL LEASE MAP	LF@2496297 400071853
400071855	PROPOSED SPACING UNIT	LF@2496298 400071855
400072556	SURFACE AGRMT/SURETY	LF@2496299 400072556

Total Attach: 9 Files