

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:

1904685

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: MARICLAK Phone: (281)876-6105 Fax: (281)876-2503

Email: MCLARK@NOBLEENERGYINC.COM

7. Well Name: BARTON C Well Number: 15-28D

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

9. Proposed Total Measured Depth: 7090

WELL LOCATION INFORMATION

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

Latitude: 40.322170 Longitude: -104.540160

 Footage at Surface: 922 FNL/FSL 1659 FEL/FWL
 FSL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4643 13. County: WELD

14. GPS Data:

Date of Measurement: 04/07/2009 PDOP Reading: 2.2 Instrument Operator's Name: STEVEN LUND

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
 300 FSL 2350 FWL 300 FSL 2350 FWL
 Sec: 10 Twp: 4N Rng: 64W Sec: 10 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: 400

18. Distance to nearest property line: 800 19. Distance to nearest well permitted/completed in the same formation: 982

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 Bon ☐ \$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):
SW/4 SEC 10 4N-64W

25. Distance to Nearest Mineral Lease Line: _____ 300 _____ 26. Total Acres in Lease: _____ 160 _____

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	500	212	500	0
1ST	7+7/8	4+1/2	11.6	7,090	618	7,090	

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

33. Comments NO CONDUCTOR CASING WILL BE USED. WELL TO BE TWINNED WITH RICHARDSON 24-10 & PROPOSED BARTON C10-24D.

34. Location ID: _____ 319297 _____

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: Y _____ Print Name: MARI CLARK _____

Title: REGULATORY ANALYST _____ Date: 6/11/2009 _____ Email: MCLARK@NOBLEENERGYIN _____

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: 8/31/2009 _____

API NUMBER

05 123 30599 00

Permit Number: 20092638 _____ Expiration Date: 8/31/2010 _____

CONDITIONS OF APPROVAL, IF ANY: _____

Condition of Approval

Comment	User Name	Comment Date
Agency		
1) PROVIDE 24 HR NOTICE OF SPUD TO ED BINKLEY AT 970-506-9834 OR E-MAIL AT ED.BINKLEY@STATE.CO.US . 2) SET SURFACE CASING TO 500' MINIMUM, 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) PROVIDE CEMENT COVERAGE FROM TD TO A MINIMUM OF 200' ABOVE NIOBRARA. VERIFY ALL PLACED CEMENT WITH CEMENT BOND LOG AND CEMENTING TICKETS FOR BOTH THE PRODUCTION LINER AND INTERMEDIATE CASING. 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.		08/13/2009

Attachment Check List

Att Doc Num	Name	Doc Description	Op. Check	File Size
1904685	APD ORIG & 1 COPY	LF@2084267 1904685	Y	
1904740	WELL LOCATION PLAT		Y	
1904741	LOCATION DRAWING	LF@2084042 1904741	Y	
1904742	SURFACE AGRMT/SURETY	LF@2084271 1904742	Y	
1904743	30 DAY NOTICE LETTER	LF@2084274 1904743	Y	
1904744	PROPOSED SPACING UNIT	LF@2084276 1904744	Y	
1988351	DEVIATED DRILLING PLAN		Y	

Total Attach: 7 Files