

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:
400005153
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: THISTLE DOWN B Well Number: 31-22D

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

9. Proposed Total Measured Depth: 7357

WELL LOCATION INFORMATION

10. QtrQtr: SWNE Sec: 31 Twp: 5N Rng: 64W Meridian: 6
Latitude: 40.356260 Longitude: -104.592420

Footage at Surface: 2395 FNL/FSL FNL 2593 FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4789 13. County: WELD

14. GPS Data:

Date of Measurement: 05/14/2009 PDOP Reading: 1.9 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 2535 FNL 1320 FEL FEL FNL/FSL 2535 FNL 1320 FEL FEL
Sec: 31 Twp: 5N Rng: 64W Sec: 31 Twp: 5N 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: 313 ft

18. Distance to nearest property line: 11 ft 19. Distance to nearest well permitted/completed in the same formation: 870 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 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):
T5N, R64W, Sec. 31: W/2NE/4

25. Distance to Nearest Mineral Lease Line: _____ 16 _____ 26. Total Acres in Lease: _____ 80 _____

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	7,357	674	7,357	

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

33. Comments NO CONDUCTOR CASING WILL BE USED. WELL WILL BE TWINNED WITH EXISTING THISTLE DOWN B31-21D & PROPOSED THISTLE DOWN B31-18D & THISTLE DOWN B31-20D. FORM 4 AS DRILLED SUNDRY SUBMITTED FOR THISTLE DOWN B31-21D 9/14/09. UNIT CONFIGURATION: S/2NE/4 & N/2SE/4 FOR BOTH CODELL & NIOBRARA. 1ST STRING TOP OF CEMENT WILL BE 200' ABOVE NIOBRARA.

34. Location ID: 302630

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: REGULATORY ANALYST II Date: 9/16/2009 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: 11/24/2009

API NUMBER
05 123 30789 00

Permit Number: _____ Expiration Date: 11/23/2011

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 Ed Binkley at 970-506-9834 or e-mail at ed.binkley@state.co.us. 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below to 200' above Sussex. Verify coverage with 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
2097583	SELECTED ITEMS REPORT	LF@2159981 2097583
400005585	WELL LOCATION PLAT	LF@2151839 400005585
400005586	SURFACE AGRMT/SURETY	LF@2151840 400005586
400005587	30 DAY NOTICE LETTER	LF@2151841 400005587
400005588	DEVIATED DRILLING PLAN	LF@2151842 400005588
400005589	EXCEPTION LOC REQUEST	LF@2151843 400005589
400005590	EXCEPTION LOC WAIVERS	LF@2151844 400005590
400005591	PROPOSED SPACING UNIT	LF@2151845 400005591

Total Attach: 8 Files