

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:  
400028225  
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: Linda Pavelka Phone: (303)228-4064 Fax: (303)228-4286  
Email: lpavelka@nobleenergyinc.com

7. Well Name: B&B Deterding Well Number: 31-33

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

9. Proposed Total Measured Depth: 2450

WELL LOCATION INFORMATION

10. QtrQtr: NWNE Sec: 33 Twp: 1S Rng: 44W Meridian: 6  
Latitude: 39.933050 Longitude: -102.306660

Footage at Surface: 300 FNL/FSL FNL 2450 FEL/FWL FEL

11. Field Name: Vernon Field Number: 86500

12. Ground Elevation: 3858 13. County: YUMA

14. GPS Data:

Date of Measurement: 12/07/2009 PDOP Reading: 1.6 Instrument Operator's Name: Steven A. 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 \_\_\_\_\_

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

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: 270 ft

18. Distance to nearest property line: 190 ft 19. Distance to nearest well permitted/completed in the same formation: 1821 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		160	NE/4

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):  
Please see attached oil and gas lease.

25. Distance to Nearest Mineral Lease Line: 201 ft 26. Total Acres in Lease: 1260

### 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	9+7/8	7	17	350	125	350	0
1ST	6+1/4	4+1/2	9.5	2,440	125	2,450	0

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

33. Comments No conductor casing will be used. This is a Yuma County WLR 318B well. There have been no changes to land use or well construction except new lease information (lease attached), well name change, updated SHL (new plat attached), updated casing program, updated distances, and taking off of surface bond (SUA attached).

34. Location ID: 338091

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: Linda Pavelka

Title: Regulatory Manager Date: 1/13/2010 Email: lpavelka@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. Nashin Director of COGCC Date: 3/12/2010

**API NUMBER**  
05 125 10968 00

Permit Number: \_\_\_\_\_ Expiration Date: 3/10/2012

**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.**

1) Provide 24 hr notice of spud to Mike Leonard at 719-767-2805 or e-mail mike.leonard@state.co.us. 2) Set surface casing at least 50' into Pierre Shale for aquifer coverage, (350' minimum - as proposed). 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 TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log. 4) If dry hole, set 35 sks cement 50' above Niobrara top, 35 sks cement ½ out, ½ in surface casing, 10 sks cement at top of surface casing, cut casing 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole.

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### Attachment Check List

Att Doc Num	Name	Doc Description
1828825	EXCEPTION LOC REQUEST	LF@2432783 1828825
1828826	EXCEPTION LOC WAIVERS	LF@2432786 1828826
400028453	WELL LOCATION PLAT	LF@2217454 400028453
400028454	TOPO MAP	LF@2217455 400028454
400028456	OIL & GAS LEASE	LF@2217456 400028456
400028458	SURFACE AGRMT/SURETY	LF@2217457 400028458
400028461	30 DAY NOTICE LETTER	LF@2217458 400028461
400028510	FORM 2 SUBMITTED	LF@2217459 400028510

Total Attach: 8 Files