

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:

400064219

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: Jennifer Barnett Phone: (303)228-4342 Fax: (303)228-4286

Email: jbarnett@nobleenergyinc.com

7. Well Name: Gardner Trusts Well Number: 21-20

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

9. Proposed Total Measured Depth: 2450

WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 20 Twp: 2N Rng: 46W Meridian: 6

Latitude: 40.132930 Longitude: -102.540950

Footage at Surface: 300 FNL/FSL 1950 FEL/FWL FWL

11. Field Name: Shout Field Number: 77456

12. Ground Elevation: 3951 13. County: YUMA

14. GPS Data:

Date of Measurement: 05/06/2010 PDOP Reading: 0.9 Instrument Operator's Name: Ryan E. Dickinson

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: 300 ft

18. Distance to nearest property line: 300 ft 19. Distance to nearest well permitted/completed in the same formation: 1290 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	NW/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 copy of the oil and gas lease. SUA attached. 6/18/10 plg.

25. Distance to Nearest Mineral Lease Line: 300 ft 26. Total Acres in Lease: 2119

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	510	182	510	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.

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: Jennifer Barnett

Title: Regulatory Analyst Date: 6/7/2010 Email: jbarnett@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: 7/11/2010

API NUMBER

05 125 11901 00

Permit Number: _____ Expiration Date: 7/10/2012

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 Colby Horton at 970-867-2517 or e-mail at colby.horton@state.co.us.
 - 2) Set at least 510' of surface casing per Rule 317d due to WW depths, and at least 50' into Pierre Shale. Cement to surface.
 - 3) At least 200' of cement coverage required above Niobrara if production casing is set. Run and submit 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.
- The producing interval must be above 2500 feet in depth.

Attachment Check List

Att Doc Num	Name	Doc Description
1693339	SURFACE AGRMT/SURETY	LF@2493314 1693339
2586182	WELL LOCATION PLAT	LF@2502831 2586182
400064219	FORM 2 SUBMITTED	LF@2487411 400064219
400064715	WELL LOCATION PLAT	LF@2487412 400064715
400064716	TOPO MAP	LF@2487413 400064716
400065758	OIL & GAS LEASE	LF@2487416 400065758
400065759	30 DAY NOTICE LETTER	LF@2487422 400065759

Total Attach: 7 Files