

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

Refilling   
Sidetrack

Document Number:  
400097503  
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: MARI CLARK Phone: (303)228-4413 Fax: (303)228-4286  
Email: mclark@nobleenergyinc.com

7. Well Name: HEATH PC GK Well Number: 02-07

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

9. Proposed Total Measured Depth: 8300

WELL LOCATION INFORMATION

10. QtrQtr: SWNE Sec: 2 Twp: 11N Rng: 61W Meridian: 6  
Latitude: 40.952800 Longitude: -104.169710

Footage at Surface: 1980 feet FNL/FSL FNL 1980 feet FEL/FWL FEL

11. Field Name: GROVER Field Number: 33380

12. Ground Elevation: 5202 13. County: WELD

14. GPS Data:

Date of Measurement: 08/04/2010 PDOP Reading: 2.9 Instrument Operator's Name: DAREN VEAL

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: 2194 ft

18. Distance to nearest property line: 670 ft 19. Distance to nearest well permitted/completed in the same formation: 1935 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	UNSPACED	40	SW/NE
DAKOTA	DKTA	UNSPACED	40	SW/NE
J SAND	JSND	UNSPACED	40	SW/NE
NIOBRARA	NBRR	UNSPACED	40	SW/NE

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):  
T11N-R61W-SECTION 2: NE/4

25. Distance to Nearest Mineral Lease Line: 706 ft 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: CLOSED LOOP

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	1,150	473	1,150	0
1ST	7+7/8	5+1/2	17	8,300	619	8,300	

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

33. Comments **1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. LOCATION FALL IN PLAINS SHARP-TAILED GROUSE PRODUCTION AREA SITE RESTRICTIONS. PLEASE SEE SENSITIVE AREA DATA ATTACHMENT FOR DRILLING PLAN DATES.**

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: MARI CLARK

Title: REG. ANALYST II Date: 10/21/2010 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. Nashin Director of COGCC Date: 11/26/2010

<b>API NUMBER</b>
05 123 32616 00

Permit Number: \_\_\_\_\_ Expiration Date: 11/25/2012

**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 and if DA to Bo Brown at 970-397-4124 or e-mail at bo.brown@state.co.us .
- 2) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) If dry hole, set 60 sks cement from 50' below D Sand base to 100' above D Sand top, 40 sks cement 50' above Niobrara top, tag 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
400097503	FORM 2 SUBMITTED
400099281	WELL LOCATION PLAT
400099282	30 DAY NOTICE LETTER
400099283	SENSITIVE AREA DATA

Total Attach: 4 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Mari Clark verified that the Noble accepts the Savage and Savage report submitted as an attachment as the well COA's.	11/24/2010 9:06:38 AM
Permit	OGLA has passed their task and 2A ready but it is not clear as to whether Noble has agreed to the Savage and Savage reort. DOW is happy with the Savage and Savage report.	11/23/2010 4:33:21 PM
Permit	waiting on COA for sesitive area.	10/28/2010 6:15:21 AM

Total: 3 comment(s)

### BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)