

**APPLICATION FOR PERMIT TO:**

1.  **Drill,**       Deepen,       Re-enter,       Recomplete and Operate

**2. TYPE OF WELL**

OIL       GAS       COALBED       OTHER \_\_\_\_\_  
SINGLE ZONE       MULTIPLE       COMMINGLE

Refiling   
Sidetrack

Document Number:  
400194712  
PluggingBond SuretyID  
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: Justin Garrett      Phone: (303)228-4449      Fax: (303)228-4286  
Email: JGGarrett@nobleenergyinc.com  
7. Well Name: Wells Ranch USX      Well Number: AA25-67-1HN  
8. Unit Name (if appl): \_\_\_\_\_      Unit Number: \_\_\_\_\_  
9. Proposed Total Measured Depth: 11036

**WELL LOCATION INFORMATION**

10. QtrQtr: NWNW      Sec: 25      Twp: 6N      Rng: 63W      Meridian: 6  
Latitude: 40.461680      Longitude: -104.393530  
Footage at Surface:      1114 feet      FNL      302 feet      FWL  
11. Field Name: Crow Creek      Field Number: 13610  
12. Ground Elevation: 4815      13. County: WELD

14. GPS Data:  
Date of Measurement: 07/12/2011      PDOP Reading: 1.2      Instrument Operator's Name: Adam Kelly

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  
1594      FNL      729      FWL      1600      FNL      535      FEL  
Sec: 25      Twp: 6N      Rng: 63W      Sec: 25      Twp: 6N      Rng: 63W

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: 5281 ft  
18. Distance to nearest property line: 302 ft      19. Distance to nearest well permitted/completed in the same formation(BHL): 232 ft

**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	407-480	640	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 Bond       \$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):

Noble Energy Inc. certifies that the lease(s) shall be committed to the unit. T6N-R63W Sec. 25: All

25. Distance to Nearest Mineral Lease Line: 535 ft 26. Total Acres in Lease: 640

### 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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)?  Yes  No

31. Mud disposal:  Offsite  Onsite

If 28, 29, or 30 are "Yes" a pit permit may be required.

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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	16+0/0	15+0/0		0	100	6	100	0
SURF	13+3/4	9+5/8	36	0	500	269	500	0
1ST	8+3/4	7+0/0	26	0	7,007	975	7,007	
1ST LINER	6+1/8	4+1/2	11.6	5794	11,036			

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

33. Comments First String top of cement will be 200' above Niobrara formation. The production liner will be hung off inside 7" casing. Distance to nearest building, public road, above ground utility, & railroad is greater than 1 mile. Well is part of a 4-well pad consisting of the proposed Wells Ranch USX AA25-67-1HN (Doc #400194712), Wells Ranch USX AA25-67HN (Doc #400194713), Wells Ranch USX AA25-68-1HN (Doc #400194714), & Wells Ranch USX AA25-69HN (Doc #400195833), multi-well plan attached. The production facilities for the proposed pad are part of the proposed location approx. 1600' S of the pad site, doc #400185150. Unit Configuration = Sec. 25: All. Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Noble requests an exception location to 318Aa, 318Ac: Exception request and waiver attached. Document 400195833 (Wells Ranch USX AA25-69HN) withdrawn per Justin Garrett 8/11/2011.

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: Justin Garrett

Title: Regulatory Specialist Date: 8/19/2011 Email: JDGarrett@nobleenergyinc.

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: 9/27/2011

**API NUMBER**  
05 123 34421 00

Permit Number: \_\_\_\_\_ Expiration Date: 9/26/2013

**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. At least seven (7) days prior to fracture stimulation, the operator is to notify all operators of non-operated wells within 300 feet of the wellbore to be fracture stimulated of the anticipated date stimulation date and the recommended best management practice to shut-in all wells within 300' of the stimulated wellbore completed in the same formation.

2. The operator will monitor the bradenhead pressure of all wells within 300 feet of the well to be fracture stimulated.

3. Bradenhead pressure gauges are to be installed 24 hours prior to stimulation. The gauges are to read at least once during every 24-hour period until 24-hours after stimulation is completed (post flowback). The gauges are to be of the type able to read current pressure and record the maximum encountered pressure in a 24-hour period. The gauge is to be reset between each 24-hour period. The pressures are to be recorded and saved.

4. If at any time during stimulation or the 24-hour post-stimulation period, the bradenhead annulus pressure of the treatment well or offset wells increases more than 200 psig, as per Rule 341, the operator of the well being stimulated shall verbally notify the Director as soon as practicable, but no later than twenty-four (24) hours following the incident. Within fifteen (15) days after the occurrence, the operator shall submit a Sundry Notice, Form 4, giving all details, including corrective actions taken.

- 1) Provide 24 hour notice of MIRU to Jim Precup at 303-469-1902 or e-mail at james.precup@state.co.us .
- 2) Provide cement coverage from base of intermediate casing to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) 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
2506035	SURFACE CASING CHECK
400194712	FORM 2 SUBMITTED
400197940	30 DAY NOTICE LETTER
400197941	PLAT
400197942	DEVIATED DRILLING PLAN
400197944	SURFACE AGRMT/SURETY
400197945	EXCEPTION LOC WAIVERS
400197946	EXCEPTION LOC REQUEST
400197947	PROPOSED SPACING UNIT

Total Attach: 9 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	On hold well count exceeds the old rule 318A	8/23/2011 7:55:41 AM
Permit	Operator incorrectly measured distance to existing wells.	8/22/2011 5:41:16 PM

Total: 2 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
General Housekeeping	Housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pickup trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) General Permit No. COR- 038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location, and will remain in place until the pad reaches final reclamation.

Total: 3 comment(s)