

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:  
400160058

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  COMMINGLE

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: SUSAN MILLER Phone: (303)228-4246 Fax: (303)228-4286  
Email: smiller@nobleenergyinc.com

7. Well Name: CALVARY USX Well Number: EE29-04D

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

9. Proposed Total Measured Depth: 7583

## WELL LOCATION INFORMATION

10. QtrQtr: SWNW Sec: 29 Twp: 7N Rng: 65W Meridian: 6  
Latitude: 40.549550 Longitude: -104.695240

Footage at Surface: 1343 feet FNL 369 feet FWL

11. Field Name: Eaton Field Number: 19350

12. Ground Elevation: 4924 13. County: WELD

### 14. GPS Data:

Date of Measurement: 03/29/2011 PDOP Reading: 2.1 Instrument Operator's Name: Brian Brinkman

15. If well is  Directional  Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: 660 FNL 660 FWL Bottom Hole: 660 FNL 660 FWL  
Sec: 29 Twp: 7N Rng: 65W Sec: 29 Twp: 7N Rng: 65W

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: 355 ft

18. Distance to nearest property line: 22 ft 19. Distance to nearest well permitted/completed in the same formation: 886 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	80	W/2NW/4
Niobrara	NBRR	unspaced	80	W/2NW/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#: 20030012

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease?  Yes  No

23b. If 23 is  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):  
W/2 of Section 29, T7N-R65W.

25. Distance to Nearest Mineral Lease Line: 660 ft                      26. Total Acres in Lease: 320

### 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
SURF	12+1/4	8+5/8	24	0	650	268	650	0
1ST	7+7/8	4+1/2	11.6	0	7,583	707	7,583	

32. BOP Equipment Type:     Annular Preventer                       Double Ram                       Rotating Head                       None  
33. Comments    Conductor casing will not be used. First string top of cement will be 200' above the Niobrara formation. Operator requests approval of Rule 603.a.(2) exception location for the subject well location 22' from nearest property line. Request letter and signed waiver attached. This is part of a 4-well multi well pad which includes proposed Calvary USX EE29-04D, Calvary USX EE29-03D, Donaldson USX EE29-12D and Donaldson USX EE29-06D. Form 2A doc. no. 400160166 covers all 4 locations.

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: SUSAN MILLER  
Title: Regulatory Analyst II                      Date: \_\_\_\_\_                      Email: smiller@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: \_\_\_\_\_                      Director of COGCC                      Date: \_\_\_\_\_

Permit Number: \_\_\_\_\_                      Expiration Date: \_\_\_\_\_

**API NUMBER**  
05

**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.**

\_\_\_\_\_

### Attachment Check List

Att Doc Num	Name
400160165	30 DAY NOTICE LETTER
400168194	WELL LOCATION PLAT
400168195	DEVIATED DRILLING PLAN
400168197	EXCEPTION LOC REQUEST
400168198	EXCEPTION LOC WAIVERS
400168199	EXCEPTION LOC REQUEST
400168200	EXCEPTION LOC WAIVERS

Total Attach: 7 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

### BMP

<u>Type</u>	<u>Comment</u>
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) and General Permit No. COR-039527. 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.
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.
General Housekeeping	General 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 pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.

Total: 3 comment(s)