

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:

400012840

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: ALE W Well Number: 29-20D

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

9. Proposed Total Measured Depth: 8132

WELL LOCATION INFORMATION

10. QtrQtr: SENW Sec: 29 Twp: 2N Rng: 66W Meridian: 6

Latitude: 40.110750 Longitude: -104.802810

Footage at Surface: 2037 FNL/FSL FNL 2175 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4889 13. County: WELD

14. GPS Data:

Date of Measurement: 04/29/2009 PDOP Reading: 1.1 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 2562 FNL 1371 FWL FWL Bottom Hole: FNL/FSL 2562 FNL 1371 FWL FWL  
Sec: 29 Twp: 2N Rng: 66W Sec: 29 Twp: 2N Rng: 66W

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: 440 ft

18. Distance to nearest property line: 473 ft 19. Distance to nearest well permitted/completed in the same formation: 777 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	407-87	160	S/2NW4 & N/SW4
J SAND	JSND		160	S/2NW4 & N/SW4
NIOBRARA	NBRR	407-87	160	S/2NW4 & N/SW4

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):  
SEE ATTACHED. UNIT CONFIGURATION = S/2NW/4 & N/2SW/4 SEC. 29, 2N, 66W.

25. Distance to Nearest Mineral Lease Line: 47 ft 26. Total Acres in Lease: 118

### 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	12+1/4	8+5/8	24	850	350	850	0
1ST	7+7/8	4+1/2	11.6	8,132	788	8,132	

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

33. Comments NO CONDUCTOR CASING WILL BE USED. WELL IS TO BE TWINNED WITH SHIVERS W29-6D. AS DRILLED SUNDRY SUBMITTED. 1ST STRING CEMENT = 200' ABOVE NIOBRARA.

34. Location ID: 333205

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: 12/4/2009 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. Neslin Director of COGCC Date: 1/14/2010

**API NUMBER**

05 123 28060 00

Permit Number: \_\_\_\_\_ Expiration Date: 1/13/2012

**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 hour notice of MIRU to Jim Precup at 303-469-1902 or e-mail at james.precup@state.co.us 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below Sussex to 200' above Sussex. Verify coverage with cement bond log. 3) Comply with Rule 321. 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.

Location is more than 50' from an existing well; exception granted

Location is more than 50' from an existing well; exception granted

Location is more than 50' from an existing well; exception granted

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### **Attachment Check List**

Att Doc Num	Name	Doc Description
1769741	SURFACE CASING CHECK	LF@2201998 1769741.00000
400020103	WELL LOCATION PLAT	LF@2196456 400020103
400020105	LEGAL/LEASE DESCRIPTION	LF@2196457 400020105
400020106	SURFACE AGRMT/SURETY	LF@2196458 400020106
400020107	30 DAY NOTICE LETTER	LF@2196459 400020107
400020108	DEVIATED DRILLING PLAN	LF@2196460 400020108
400020109	PROPOSED SPACING UNIT	LF@2196461 400020109
400020110	EXCEPTION LOC REQUEST	LF@2196462 400020110
400020111	EXCEPTION LOC WAIVERS	LF@2196463 400020111
400020124	FORM 2 SUBMITTED	LF@2196464 400020124

Total Attach: 10 Files