

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:

400027127

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: Cheryl Johnson Phone: (303)228-4437 Fax: (303)228-4286  
Email: cheryljohnson@nobleenergyinc.com

7. Well Name: CARLSON K Well Number: 23-22D

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

9. Proposed Total Measured Depth: 8041

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 23 Twp: 4N Rng: 66W Meridian: 6

Latitude: 40.296590 Longitude: -104.744880

Footage at Surface: 2342 FNL/FSL FSL 2537 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4726 13. County: WELD

14. GPS Data:

Date of Measurement: 09/23/2009 PDOP Reading: 1.2 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 2564 FNL 1480 FEL 2564 FNL 1480 FEL  
Bottom Hole: FNL/FSL 2564 FNL 1480 FEL  
Sec: 23 Twp: 4N Rng: 66W Sec: 23 Twp: 4N 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: 126 ft

18. Distance to nearest property line: 124 ft 19. Distance to nearest well permitted/completed in the same formation: 695 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	S2NE4 N2SE4
JSand	JSND	232-23	160	S2NE4 N2SE4
NIOBRARA	NBRR	407-87	160	S2NE4 N2SE4

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):  
 T4N R66W: Section 23 - NE4 and that part of E2NW4 included in what was formerly known as Great Bend Reservoir.

25. Distance to Nearest Mineral Lease Line: 75 ft 26. Total Acres in Lease: 185

### 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	550	236	550	0
1ST	7+7/8	4+1/2	11.6	8,041	775	8,041	

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

33. Comments **NO CONDUCTOR CASING WILL BE USED. TOC=200' ABOVE THE NIOBRARA.** This well is part of a 6 well multi-well pad. Noble requests approval of Rule 603.a.(2) exception location for well location 124 ft from nearest property line, request letter and signed waiver attached.

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: Cheryl Johnson

Title: Regulatory Analyst Date: \_\_\_\_\_ Email: cheryljohnson@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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

<b>API NUMBER</b> 05	Permit Number: _____	Expiration Date: _____
<b>CONDITIONS OF APPROVAL, IF ANY:</b> _____		

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	Doc Description
400057263	PLAT	Carlson K23-22D Plat.pdf
400057264	30 DAY NOTICE LETTER	Carlson K23-22D 30 Day Ltr.pdf
400057265	DEVIATED DRILLING PLAN	Carlson K23-22D Directional Plan.pdf
400057267	EXCEPTION LOC WAIVERS	Carlson K23-22D Prop Line Waiver.pdf
400057268	EXCEPTION LOC REQUEST	Carlson K23-22D Prop Line Excpt Rqst.pdf
400057269	EXCEPTION LOC WAIVERS	Carlson K23-22D 318Aa 318Ae Waiver.pdf
400057271	EXCEPTION LOC REQUEST	Carlson K23-22D 318Aa 318Ae 318Ac Excpt Ltr.pdf
400057272	PROPOSED SPACING UNIT	Carlson K23-22D Prop Spacing Unit.pdf

Total Attach: 8 Files