

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:

400085216

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: JAN KAJIWARA Phone: (303)228-4092 Fax: (303)228-4286
Email: jkajiwara@nobleenergyinc.com
7. Well Name: MOSER PC H Well Number: 22-21D
8. Unit Name (if appl): _____ Unit Number: _____
9. Proposed Total Measured Depth: 8045

WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 22 Twp: 3N Rng: 65W Meridian: 6
Latitude: 40.206650 Longitude: -104.650560
Footage at Surface: 1089 FSL 2441 FWL
11. Field Name: WATTENBERG Field Number: 90750
12. Ground Elevation: 4808 13. County: WELD

14. GPS Data:
- Date of Measurement: 06/22/2010 PDOP Reading: 2.2 Instrument Operator's Name: BRIAN BRINKMAN

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

Footage at Top of Prod Zone:				Bottom Hole:			
FNL/FSL		FEL/FWL		FNL/FSL		FEL/FWL	
<u>2550</u>	<u>FNL</u>	<u>2550</u>	<u>FWL</u>	<u>2550</u>	<u>FNL</u>	<u>2550</u>	<u>FWL</u>
Sec: <u>22</u>	Twp: <u>3N</u>	Rng: <u>65W</u>		Sec: <u>22</u>	Twp: <u>3N</u>	Rng: <u>65W</u>	

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: 538 ft
18. Distance to nearest property line: 163 ft 19. Distance to nearest well permitted/completed in the same formation: 800 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	GWA
J SAND	JSND	232-23	160	GWA
NIOBRARA	NBRR	407-87	160	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#: 20030012

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):
T3N-R65W-Sec. 22: W/2

25. Distance to Nearest Mineral Lease Line: 123 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 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	700	250	700	0
1ST	7+7/8	4+1/2	11.6	8,045	775	8,045	

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

33. Comments NO CONDUCTOR CASING WILL BE USED. 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. WELL IS TO BE TWINNED WITH PROPOSED MOSER PC H22-24 & FRANK PC H22-20D. PROPOSED GWA UNIT CONFIGURATION FOR JSND & NB-CD = SENW, SWNE, NESW, & NWSE OF T3N-65W Sec. 22. ; Noble Energy, Inc. requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Waivers are 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: JAN KAJIWARA

Title: REGULATORY ANALYST Date: 10/26/2010 Email: jkajiwara@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. Nesline Director of COGCC Date: 11/18/2010

API NUMBER

05 123 32584 00

Permit Number: _____ Expiration Date: 11/17/2012

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 Bo Brown at 970-330-6085 or e-mail at bobrown@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.

Attachment Check List

Att Doc Num	Name	Doc Description
400085216	FORM 2 SUBMITTED	LF@2610062 400085216
400103279	30 DAY NOTICE LETTER	LF@2610063 400103279
400103280	DEVIATED DRILLING PLAN	LF@2610064 400103280
400103297	WELL LOCATION PLAT	LF@2610066 400103297
400103301	PROPOSED SPACING UNIT	LF@2610067 400103301
400103302	EXCEPTION LOC REQUEST	LF@2610068 400103302
400103304	EXCEPTION LOC WAIVERS	LF@2610069 400103304

Total Attach: 7 Files

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