

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:

400025041

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: KATE SHIRLEY Phone: (303)228-4449 Fax: (303)228-4280

Email: kshirley@nobleenergyinc.com

7. Well Name: SHERWOOD L Well Number: 30-30D

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 8035

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 30 Twp: 3N Rng: 66W Meridian: 6

Latitude: 40.200840 Longitude: -104.827340

Footage at Surface: 717 FNL/FSL FNL 763 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4820 13. County: WELD

14. GPS Data:

Date of Measurement: 06/04/2009 PDOP Reading: 2.1 Instrument Operator's Name: DAVID C. HOLMES

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

Footage at Top of Prod Zone: FNL/FSL 75 FSL 165 FEL/FWL FWL Bottom Hole: FNL/FSL 75 FSL 165 FEL/FWL FWL
Sec: 19 Twp: 3N Rng: 66W Sec: 19 Twp: 3N 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: 260 ft

18. Distance to nearest property line: 38 ft 19. Distance to nearest well permitted/completed in the same formation: 699 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-SEE COMMENTS
JSAND	JSND		160	GWA-SEE COMMENTS
NIOBRARA	NBRR	407-87	160	GWA-SEE COMMENTS

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):
SEE LEASE ATTACHED

25. Distance to Nearest Mineral Lease Line: 165 ft 26. Total Acres in Lease: 77

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	600	250	600	0
1ST	7+7/8	4+1/2	11.6	8,035	523	8,035	

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 WILL BE ON THE SAME PAD AS THE SHERWOOD L30-32D, SHERWOOD L30-28D, SHERWOOD L30-29D, SHERWOOD L30-31D. UNIT CONFIGURATION: SECTION 24, T3N, R67W IS SE/SE. SECTION 25, T3N, R67W IS NE/NE. SECTION 19, T3N, R66W IS SW/SW. SECTION 30, T3N, R66W IS NW/NW.

34. Location ID: 336438

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: KATE SHIRLEY

Title: REGULATORY SPECIALIST Date: 12/29/2009 Email: kshirley@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 G. Neslin Director of COGCC Date: 2/7/2010

API NUMBER

05 123 31127 00

Permit Number: _____ Expiration Date: 2/6/2012

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 970-397-4124 or e-mail at bo.brown@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.

RULE 603.a.(2) EXCEPTION LOCATION (PROPERTY LINE @ 38') REVIEWED BY CDPHE FOR FORM 2A, GRANTED BY COGCC

Attachment Check List

Att Doc Num	Name	Doc Description
1769758	SURFACE CASING CHECK	LF@2213942 1769758.00000
400025072	EXCEPTION LOC WAIVERS	LF@2209100 400025072
400025073	PROPOSED SPACING UNIT	LF@2209101 400025073
400025076	DEVIATED DRILLING PLAN	LF@2209105 400025076
400025078	LEGAL/LEASE DESCRIPTION	LF@2209106 400025078
400025079	30 DAY NOTICE LETTER	LF@2209108 400025079
400025080	WELL LOCATION PLAT	LF@2209109 400025080
400025133	FORM 2 SUBMITTED	LF@2209110 400025133

Total Attach: 8 Files