

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

STATE OF COLORADO
OIL & GAS

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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 ☐

Refiling ☐
Sidetrack ☐

Document Number:
400130933
Plugging Bond Surety
20030009

3. Name of Operator: NOBLE ENERGY INC4. COGCC Operator Number: 100322

5. Address: 1625 BROADWAY STE 2200
City: DENVERState: COZip: 80202

6. Contact Name: JAN KAJIWARAPhone: (303)228-4286Fax: (303)228-4286
Email: jkajiwara@nobleenergyinc.com

7. Well Name: HUDSON STATE XWell Number: 36-01D

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

9. Proposed Total Measured Depth: 7974

WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 36 Twp: 2N Rng: 65W Meridian: 6
Latitude: 40.096510Longitude: -104.605080
Footage at Surface: 2065 feet FNL/FSL FNL680 feet FEL/FWL FEL

11. Field Name: WATTENBERGField Number: 90750

12. Ground Elevation: 491813. County: WELD

14. GPS Data:
Date of Measurement: 01/11/2011 PDOP Reading: 1.7 Instrument Operator's Name: ROBERT DALEY

15. If well is ☒ Directional☐ Horizontal (highly deviated) submit deviated drilling plan.
Footage at Top of Prod Zone: FNL/FSL FNL/FWL Bottom Hole: FNL/FSL FNL/FWL
660 FNL660 FEL660 FNL660 FEL
Sec: 36 Twp: 2N Rng: 65W Sec: 36 Twp: 2N 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: 290 ft

18. Distance to nearest property line: 275 ft19. Distance to nearest well permitted/completed in the same formation: 1127 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	80	E/2NE4
J SAND	JSND	202-23	320	E/2
NIOBRARA	NBRR	407-87	80	E/2NE4

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

21. Mineral Ownership: ☐ Fee ☒ State ☐ Federal ☐ Indian Lease #: 71/7898-S

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):
Sec. 36-T2N-R65W

25. Distance to Nearest Mineral Lease Line: 628 ft 26. Total Acres in Lease: 640

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

Method: ☒ Land Farming ☐ Land Spreading ☐ Disposal Facility Other: _____

If 28, 29, or 30 are "Yes" a pit permit may be required.

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	950	325	950	0
1ST	7+7/8	4+1/2	11.6	0	7,974	765	7,974	

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 EXISTING DPC STATE X36-08 & PROPOSED HUDSON STATE X36-07D. NOBLE WILL ONLY DRILL DURING THE PERIOD OF JULY 15TH & CONCLUDE BEFORE FEBRUARY 15TH DUE TO HAWK'S NEXT IN CLOSE PROXIMITY TO SITE. SEE SENSITIVE AREA INFORMATION ATTACHMENT. UNIT CONFIGURATION = E/2NE/4

34. Location ID: 310013

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: REG. ANALYST Date: 4/29/2011 Email: jkajiwar@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: 5/24/2011

Permit Number: _____ Expiration Date: 5/23/2013

API NUMBER

05 123 33561 00

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)Note surface casing setting depth change from 850' to 950'. Increase cement coverage accordingly and cement to surface.
- 2)Provide 48 hour notice of MIRU to Jim Precup at 303-726-3822 or e-mail at jim.precup@state.co.us.
- 3)Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4)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
1771009	SURFACE CASING CHECK
400130933	FORM 2 SUBMITTED
400160272	SENSITIVE AREA DATA
400160281	30 DAY NOTICE LETTER
400160283	DEVIATED DRILLING PLAN
400160426	WELL LOCATION PLAT
400160428	SURFACE AGRMT/SURETY

Total Attach: 7 Files

General Comments

User Group	Comment	Comment Date
Permit	WEll in compliance with SLB	5/3/2011 6:26:22 AM
Permit	On hold-Notified SLB for to verify compliance.	5/2/2011 12:52:35 PM
Permit	Added location ID w/permission of Opr-Jan. sf	5/2/2011 10:24:30 AM

Total: 3 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) 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	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 pickup trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.

Total: 3 comment(s)