FORM 2
Rev 12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

Document Number: 400405094

Date Received:

APPLICATION FOR PERMIT TO:

1. [X] **Drill,** [ ] Deepen, [ ] Re-enter, [ ] Recomplete and Operate

2. TYPE OF WELL
OIL [X] GAS [ ] COALBED [ ] OTHER _____
SINGLE ZONE [X] MULTIPLE [ ] COMMINGLE [ ]
Refiling [ ] Sidetrack [ ]

PluggingBond SuretyID: 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: LOEFFLER K Well Number: 1-65HN

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

9. Proposed Total Measured Depth: 11606

WELL LOCATION INFORMATION

10. QtrQtr: SWNW Sec: 1 Twp: 4N Rng: 66W Meridian: 6
Latitude: 40.343900 Longitude: -104.733880

		FNL/FSL		FEL/FWL
Footage at Surface:	1650 feet	FNL	288 feet	FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4666 13. County: WELD

14. GPS Data:
Date of Measurement: 02/20/2013 PDOP Reading: 1.4 Instrument Operator's Name: ROB DALEY

15. If well is [ ] Directional [X] Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone:	FNL/FSL	FEL/FWL	Bottom Hole:	FNL/FSL	FEL/FWL
	2549 FNL	726 FWL		2554 FNL	535 FEL
Sec: 1 Twp: 4N Rng: 66W			Sec: 1 Twp: 4N Rng: 66W		

16. Is location in a high density area? (Rule 603b)? [ ] Yes [X] No

17. Distance to the nearest building, public road, above ground utility or railroad: 277 ft

18. Distance to nearest property line: 288 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 239 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.)
Niobrara	NBRR		334	GWA

21. Mineral Ownership: [X] Fee [ ] State [ ] Federal [ ] Indian Lease #: _____

22. Surface Ownership: [X] Fee [ ] State [ ] Federal [ ] Indian

23. Is the Surface Owner also the Mineral Owner? [ ] Yes [X] 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: [X] 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):

T4N, R66W, SEC. 1: W/2NE/4 & E/2NW/4 EXCEPT A 15 ACRE TRACT IN THE E/2NW/4, AND OTHER LEASES. HZ WELL CROSSES LEASE LINE WITHIN GWA HZ WELLBORE UNIT; DISTANCE TO NEAREST LEASE LINE = 0'. DISTANCE TO NEAREST UNIT BOUNDRY = 535'.

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 145

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

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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	18+1/2	16+0/0		0	100	6	100	0
SURF	13+3/4	9+5/8	36	0	550	270	550	0
1ST	8+3/4	7+0/0	26	0	7,488	510	7,488	
1ST LINER	6+1/8	4+1/2	11.6	7338	11,606			

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

33. Comments 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. THE PRODUCTION LINER WILL BE HUNG OFF INSIDE 7" CASING. 5 well pad: K1-69-1HN, K1-68-1HN, K1-67-1HN, K1-66-1HN, K1-65-1HN. UNIT CONFIGURATION = S/2N/2, N/2S/2 OF SEC. 1, T4N, R66W. CLOSEST WELL MEASURED = LOEFFLER K1-66-1HN. Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Operator requests an exception location to 318Aa. 318Ac: Exception request and waiver attached.

34. Location ID: 429567

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: REGULATORY ANALYST II Date: 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: **Director of COGCC** Date:

API NUMBER

05

Permit Number: Expiration Date:

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.

Data retrieval failed for the subreport 'rptPolicy_NTO' located at: W:\Inetpub\Net\Reports\policy_nto.rdlc. Please check th

Attachment Check List

Att Doc Num	Name
400410649	DIRECTIONAL DATA
400430111	30 DAY NOTICE LETTER
400430114	DEVIATED DRILLING PLAN
400430115	EXCEPTION LOC REQUEST
400430116	EXCEPTION LOC WAIVERS
400430117	OFFSET WELL EVALUATION
400430118	PLAT
400430119	PROPOSED SPACING UNIT
400430120	SURFACE AGRMT/SURETY

Total Attach: 9 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

BMP

Type	Comment
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.
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 and Environment (CDPHE) General Permit No. COR-038637. 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.
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.
Drilling/Completion Operations	Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an as-constructed gyro survey will be submitted to COGCC with the Form 5.

Total: 4 comment(s)