

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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APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☐ GAS ☒ COALBED ☐ OTHER _____
SINGLE ZONE ☐ MULTIPLE ☒ COMMINGLE ☐

Refiling ☒

Sidetrack ☐

Document Number:

400235257

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: Tania McNutt Phone: (303)228-4392 Fax: (303)228-4286

Email: tmcnutt@nobleenergyinc.com

7. Well Name: LONG Well Number: 20-12D (20F)

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

9. Proposed Total Measured Depth: 10385

WELL LOCATION INFORMATION

10. QtrQtr: SWNW Sec: 20 Twp: 7S Rng: 94W Meridian: 6

Latitude: 39.425724 Longitude: -107.915666

Footage at Surface: 2190 feet FNL/FSL FNL 1074 feet FEL/FWL FWL

11. Field Name: Rulison Field Number: 75400

12. Ground Elevation: 7908 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 09/18/2008 PDOP Reading: 2.5 Instrument Operator's Name: Richard Bullen

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

Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
2428 FNL 689 FWL 2428 FNL 689 FWL
Sec: 20 Twp: 7S Rng: 94W Sec: 20 Twp: 7S Rng: 94W

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: 1284 ft

18. Distance to nearest property line: 872 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 321 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.)
Iles	ILES	139-73	40	SWNW
Williams Fork	WMFK	139-73	40	SWNW

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 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):

Oil and Gas Lease on file with COGCC

25. Distance to Nearest Mineral Lease Line: 1110 ft

26. Total Acres in Lease: 160

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: 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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	20	16	Line Pipe	0	120	15	120	0
SURF	12+1/4	8+5/8	24#	0	1,500	575	1,500	0
1ST	7+7/8	4+1/2	11.6#	0	10,375	730	10,375	

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

33. Comments The Production Casing Top of Cement will be 200 feet above Top of Gas. All conditions are the same as prior approved permit. The Pad has been built. This well is part of the RULISON 20F Pad. The Surface Hole Location of this well is located in Project Rulison 3-Mile Radius Tier II. DOE was notified 9/17/09. A closed loop pitless system will be used for this APD. This location does not require a variance from any of the rules listed in COGCC Rule 306.d (1). (A).(ii).This location is in a Sensitive Wildlife Habitat, however, a Wildlife Mitigation Plan was executed with the CDOW on May 24th, 2010, that specifically covers the pad for this well and it is valid for six years.

34. Location ID: 414880

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: Tania McNutt

Title: Regulatory Analyst Date: _____ Email: tmcnutt@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

05 045 18942 00

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.

Attachment Check List

Att Doc Num	Name
400238710	PLAT
400238712	H2S CONTINGENCY PLAN

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
General Housekeeping	<ul style="list-style-type: none">• Waste minimization practices including re-use and recycling when practicable.• Waste management (handling and disposal) practices in accordance with COGCC rules and RCRA guidelines as applicable.• Good housekeeping practices relative to overall site condition.
Interim Reclamation	Use of portable toilets whenever long-term activities are occurring onsite.
Material Handling and Spill Prevention	<ul style="list-style-type: none">• Spill Prevention Control and Countermeasure (SPCC) Plans in accordance with 40 CFR, Part 112.• Secondary containment for oil and produced water vessels in accordance with COGCC rules.
Drilling/Completion Operations	<ul style="list-style-type: none">• Spill reporting and cleanup per COGCC guidelines, EPA regulations, CDPEH regulations, and Noble Energy Inc. policies.
Storm Water/Erosion Control	<ul style="list-style-type: none">• Stormwater management practices during construction and interim reclamations phases in accordance with CDPHE regulations.• Stormwater management practices in accordance with COGCC rules throughout the operating life of the locations.
Planning	<ul style="list-style-type: none">• Traffic minimization practices whenever possible in order to reduce dust, noise, congestion, road maintenance.• Noise minimization.• Use of multi-well pad sites for the purpose of minimizing areas of disturbance, traffic, and environmental impact.• Proper reclamation and reseeding practices in accordance with COGCC rules, landowner requirements and BLM stipulations as applicable.
Wildlife	Bird protection practices in accordance with the Migratory Bird Act.

Total: 7 comment(s)