

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:

400017606

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 ☐

Refilling ☒

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: LINDA PAVELKA Phone: (303)228-4064 Fax: (303)228-4286  
Email: lpavelka@nobleenergyinc.com

7. Well Name: BATTLEMENT MESA Well Number: 34-33B

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

9. Proposed Total Measured Depth: 10728

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 34 Twp: 7S Rng: 95W Meridian: 6

Latitude: 39.388434 Longitude: -107.979870

Footage at Surface: 660 FNL/FSL FSL FEL/FWL 1638 FEL

11. Field Name: RULISON Field Number: 75400

12. Ground Elevation: 9054 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 08/28/2007 PDOP Reading: 2.3 Instrument Operator's Name: ROBERT WOOD

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

Footage at Top of Prod Zone: FNL/FSL 2181 FSL 2029 FEL 2181 FEL 2029 FEL  
Sec: 34 Twp: 7S Rng: 95W Sec: 34 Twp: 7S Rng: 95W

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: 4210 ft

18. Distance to nearest property line: 316 ft 19. Distance to nearest well permitted/completed in the same formation: 333 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.)
WILLIAMS FORK	WMFK	139-53	640	ALL

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 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):  
SEE LEASE ON FILE

25. Distance to Nearest Mineral Lease Line: 602 ft 26. Total Acres in Lease: 3721

### 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: EVAP. PIT

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
CONDUCTOR	30	20+0	LINE PIPE	150	175	150	0
SURF	14+3/4	9+5/8	36#	3,300	1,275	3,300	0
1ST	8+3/4	4+1/2	11.6#	10,718	1,000	10,718	

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

33. Comments THE PRODUCTION CASING TOP OF CEMENT WILL BE 200' ABOVE TOP OF GAS.  
SURFACE PARASITE STRING TO 3000 FEET.  
ALL CONDITIONS ARE THE SAME AS PRIOR APPROVED PERMIT.  
THE PAD AND ACCESS ROADS WERE NOT BUILT.  
THE LOCATION DOES NOT REQUIRE A VARIANCE FROM ANY OF THE RULES LISTED IN RULE 306.d.(1).(A).(ii).  
THE LOCATION IS NOT IN A WILDLIFE RESTRICTED SURFACE OCCUPANCY AREA.  
DOE WAS NOTIFIED AGAIN ON 12/9/2009 OF TIER 2 PROJECT RULISON SAP STATUS.  
SURFACE OWNER IS CHEVRON.  
THE DRILLING PLANS WERE CHANGED FROM PREVIOUS APPROVED PERMIT.  
THE MUD DISPOSAL WILL BE TO AN EVAPORATION PIT.

34. Location ID: 334386

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: LINDA PAVELKA

Title: REGULATORY MANAGER Date: 12/10/2009 Email: lpavelka@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.

*David S. Neslin*

## API NUMBER

05 045 17082 00

Permit Number: \_\_\_\_\_

Expiration Date: 2/29/2012

**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.**

PROJECT RULISON

PROJECT RULISON

1)24 HOUR SPUD NOTICE REQUIRED. E-MAIL: david.andrews@state.co.us 2)GARFIELD COUNTY RULISON FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE 3)COMPLY WITH ALL DOE OFFICE OF LEGACY MANAGEMENT REQUESTS FOR SAMPLING AND ANALYSIS OF NATURAL GAS AND OTHER MATERIALS ASSOCIATED WITH DRILLING AND PRODUCTION. 4)CEMENT TOP VERIFICATION BY CBL REQUIRED. 5)FLOWBACK TO TANKS ONLY. SUBMIT A SECONDARY AND TERTIARY CONTAINMENT PLAN VIA SUNDRY NOTICE FORM 4 FOR THE TANKS. SUBMIT VIA EMAIL TO RULISON.SUBMITTAL@STATE.CO.US OBTAIN APPROVAL OF THE PLAN PRIOR TO FLOWBACK. 6)SPUD NOTICE MUST IDENTIFY IF THE WELL IS LOCATED IN TIER I OR TIER II OF THE APPROVED RULISON SAMPLING AND ANALYSIS PLAN. 7)OPERATOR SHALL PROVIDE COMPLETE WELL-SPECIFIC EMERGENCY CONTACT INFORMATION TO THE COGCC AREA ENGINEER IN THE SPUD NOTICE PRIOR TO SPUDGING THE WELL. 8)PRODUCED WATER FROM THIS LOCATION MAY NOT BE TRANSPORTED TO OR RE-USED AT ANOTHER LOCATION WITHOUT SPECIFIC WRITTEN APPROVAL FROM COGCC AND ONLY AFTER ANALYSIS CONFIRMS COMPLIANCE WITH THE RULISON SAP. 9)DRILL SOLIDS AND CUTTINGS FROM THIS LOCATION MAY NOT BE TRANSPORTED TO, DISPOSED OF OR RE-USED AT ANOTHER LOCATION WITHOUT SPECIFIC WRITTEN APPROVAL FROM COGCC AND ONLY AFTER ANALYSIS CONFIRMS COMPLIANCE WITH THE RULISON SAP. 10)A CLOSED LOOP MUD SYSTEM SHALL BE UTILIZED TO ENSURE CONTAINMENT OF ALL MATERIALS THAT HAVE BEEN IN CONTACT WITH DOWNHOLE STRATA AND FLUIDS. ALL CUTTINGS AND FRESH MAKE UP WATER STORAGE PITS SHALL BE LINED TO ENSURE CONTAINMENT. CONTOUR FEATURES, FRENCH DRAINS AND OTHER STORMWATER BMPs AS NECESSARY SHALL BE EMPLOYED TO ENSURE SITE INTEGRITY. 11)NO INDIVIDUAL OPERATOR SHALL UTILIZE MORE THAN ONE RIG WITHIN ONE MILE OF THE PROJECT RULISON BLAST SITE AT ANY GIVEN TIME AND NO INDIVIDUAL OPERATOR SHALL UTILIZE MORE THAN TWO RIGS WITHIN A THREE MILE RADIUS OF THE SITE AT ANY GIVEN TIME. THE TOTAL NUMBER OF RIGS ALLOWED BY ALL OPERATORS WITHIN THREE MILES OF THE SITE SHALL BE LIMITED TO FIVE AT ANY GIVEN TIME. 12)OPERATOR SHALL COMPLY WITH ALL PROVISIONS OF THE MOST RECENT COGCC APPROVED REVISION OF THE RULISON SAMPLING AND ANALYSIS PLAN. IN ADDITION TO THE PRODUCED WATER SAMPLING AND ANALYSIS OUTLINED IN SECTION 5.8 OF THE PLAN THE OPERATORS SHALL ALSO OBTAIN AND ANALYZE PRODUCED WATER SAMPLES ON WELLS DESCRIBED IN THE PLAN FOR CONSTITUENTS LISTED IN THE PLAN USING THE SPECIFIED METHOD WHERE APPLICABLE. 13)THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 000 FEET DEEP.

**Attachment Check List**

Att Doc Num	Name	Doc Description
1637854	CORRESPONDENCE	LF@2420346 1637854
400020411	30 DAY NOTICE LETTER	LF@2200748 400020411
400021219	PLAT	LF@2200749 400021219
400021220	CORRESPONDENCE	LF@2200750 400021220
400021225	FORM 2 SUBMITTED	LF@2200751 400021225

Total Attach: 5 Files