

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 ZONE ☒ COMMINGLE ZONE ☐

Refiling ☐  
Sidetrack ☐

Document Number:

1710765

Plugging Bond Surety

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: KATE SHIRLEY Phone: (281)876-6105 Fax: (281)876-2503

Email: \_\_\_\_\_

7. Well Name: RULISON FEDERAL Well Number: 17-14A

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

9. Proposed Total Measured Depth: 10177

WELL LOCATION INFORMATION

10. QtrQtr: NWSW Sec: 17 Twp: 7S Rng: 94W Meridian: 6

Latitude: 39.436252 Longitude: -107.915508

Footage at Surface: 1644 FNL/FSL FSL 1123 FEL/FWL FWL

11. Field Name: RULISON Field Number: 75400

12. Ground Elevation: 7415 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 06/13/2008 PDOP Reading: 2.5 Instrument Operator's Name: JOHN RICHARDSON

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

Footage at Top of Prod Zone: FNL/FSL 1164 FSL 662 FWL FWL Bottom Hole: FNL/FSL 1164 FSL 662 FWL FWL  
Sec: 17 Twp: 7S Rng: 94W Sec: 17 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: 5232 ft

18. Distance to nearest property line: 211 ft 19. Distance to nearest well permitted/completed in the same formation: 317 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	SWSW
WILLIAMS FORK	WMFK	139-73	40	SWSW

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC-66921

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 ATTACHED

25. Distance to Nearest Mineral Lease Line: 662 ft 26. Total Acres in Lease: 723

### 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	20	16		100		100	0
SURF	12+1/4	8+5/8	24	2,500	550	2,500	0
1ST	7+7/8	4+1/2	11.6	10,177	450	10,177	

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

33. Comments THIS WELL IS A MULTI-WELL PAD AND IS ASSOCIATED WITH THE 17L PAD-16 WELLS TOTAL. DOE LETTER WAS SENT ON 6/4/09. TIER II OF THE RULISON PROJECT. COGCC DOE NOTICE 6/5/09.

34. Location ID: \_\_\_\_\_

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: Y Print Name: KATE SHIRLEY

Title: REG SPECIALIST Date: 6/4/2009 Email: KSHIRLEY@NOBLEENERGYI

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: 9/27/2009

API NUMBER 05 045 18763 00 Permit Number: 20092611 Expiration Date: 9/26/2011

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.

24-HOUR SPUD NOTICE REQUIRED. E-MAIL david.Andrews@state.co.us

GARFIELD COUNTY RULISON-FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE.

RESERVE PIT MUST BE LINED.

COMPLY WITH ALL DOE OFFICE OF LEGACY MANAGEMENT REQUESTS FOR SAMPLING AND ANALYSIS OF NATURAL GAS AND OTHER MATERIALS ASSOCIATED WITH DRILLING AND PRODUCTION.

CEMENT-TOP VERIFICATION BY CBL REQUIRED.

OPERATOR MUST ENSURE 110 PERCENT SECONDARY CONTAINMENT FOR ANY VOLUME OF FLUIDS CONTAINED AT WELL-SITE DURING DRILLING AND COMPLETION OPERATIONS. IF FLUIDS ARE CONVEYED VIA PIPELINE, OPERATOR MUST IMPLEMENT BEST-MANAGEMENT-PRACTICES TO CONTAIN ANY UNINTENTIONAL RELEASE OF FLUIDS.

FLOWBACK TO TANKS ONLY. SUBMIT A SECONDARY AND TERTIARY CONTAINMENT PLAN VIA SUNDRY NOTICE FORM 4 FOR THE TANKS. ATTN: CHRIS CANFIELD. OBTAIN APPROVAL OF THE PLAN PRIOR TO FLOWBACK.

SPUD NOTICE MUST IDENTIFY IF THE WELL IS LOCATED IN TIER I OR TIER II OF THE APPROVED RULISON SAMPLING AND ANALYSIS PLAN.

OPERATOR SHALL PROVIDE COMPLETE WELL-SPECIFIC EMERGENCY CONTACT INFORMATION TO THE COGCC AREA ENGINEER IN THE SPUD NOTICE PRIOR TO SPUDGING THE WELL.

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.

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.

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.

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.

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 OPERATOR SHALL ALSO OBTAIN AND ANALYZE PRODUCED-WATER SAMPLES ON WELLS DESCRIBED IN THE PLAN FOR CONSTITUENTS LISTED IN THE PLAN USING THE SPECIFIC METHOD WHERE APPLICABLE.

THE MOISTURE CONTENT OF ANY DRILL CUTTINGS IN A CUTTINGS PIT, TRENCH, OR PILE SHALL BE AS LOW AS PRACTICABLE TO PREVENT ACCUMULATION OF LIQUIDS GREATER THAN DE-MINIMIS AMOUNTS. AT THE TIME OF CLOSURE, THE DRILL CUTTINGS MUST ALSO MEET THE APPLICABLE STANDARDS OF TABLE 910-1.

THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 150 FEET DEEP.

PROJECT RULISON - DAVE NESLIN TO APPROVE.

**Attachment Check List**

Att Doc Num	Name	Doc Description
1408930	ACCESS ROAD MAP	LF@2062255 1408930
1710757	WELL LOCATION PLAT	LF@2062055 1710757
1710758	ACCESS ROAD MAP	LF@2062257 1710758
1710759	SURFACE AGRMT/SURETY	LF@2062060 1710759
1710760	30 DAY NOTICE LETTER	LF@2062057 1710760
1710761	DEVIATED DRILLING PLAN	LF@2062058 1710761
1710762	OIL & GAS LEASE	LF@2062059 1710762
1710763	FED. DRILLING PERMIT	LF@2062061 1710763
1710764	CORRESPONDENCE	LF@2062056 1710764
1710765	APD APPROVED	1710765.pdf
1712673	CORRESPONDENCE	LF@2142666 1712673
400007222	APD ORIG & 1 COPY	LF@2062054 400007222

Total Attach: 12 Files