

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



DE	ET	OE	ES
Document Number: 400197673			
PluggingBond SuretyID 20030009			

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

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

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: JEAN MUSE-REYNOLDS Phone: (303)228-4316 Fax: (303)228-4286
Email: jmuse@nobleenergyinc.com
7. Well Name: HYRUP Well Number: 12-33B (12HPad)
8. Unit Name (if appl): _____ Unit Number: _____
9. Proposed Total Measured Depth: 6915

WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 12 Twp: 8S Rng: 96W Meridian: 6
Latitude: 39.366134 Longitude: -108.051884

Footage at Surface: 2283 feet FNL/FSL 1013 feet FEL/FWL FEL

11. Field Name: GRAND VALLEY Field Number: 31290
12. Ground Elevation: 6155 13. County: MESA

14. GPS Data:

Date of Measurement: 06/17/2011 PDOP Reading: 0.8 Instrument Operator's Name: RON RENNKE

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

Footage at Top of Prod Zone: FNL/FSL 2138 FSL 1951 FEL FEL Bottom Hole: FNL/FSL 2138 FSL 1951 FEL FEL
Sec: 12 Twp: 8S Rng: 96W Sec: 12 Twp: 8S Rng: 96W

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: 1124 ft

18. Distance to nearest property line: 1013 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 308 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	139-45	40	NWSE

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):

NWSE Sec12-T8S-R96W, 6th Principal Meridian

25. Distance to Nearest Mineral Lease Line: 2103 ft

26. Total Acres in Lease: 1420

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: EVAPORATE & BURY

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+0/0	16+0/0		0	60	15	60	0
SURF	12+1/4	8+5/8	32	0	1,500	355	1,500	0
1ST	6+0/0	4+1/2	11.6	0	6,915	500	6,915	

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

33. Comments Parasite string 3000'. The Production Casing Top of Cement will be 200' above Top of Gas.No pits will be constructed. A closed loop 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 not in a wildlife restricted surface occupancy area.

34. Location ID: 312697

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: JEAN MUSE-REYNOLDS

Title: REGULATORY COMPLIANCE Date: 8/31/2011 Email: jmuse@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. Nash

Director of COGCC Date: 10/6/2011

API NUMBER

05 077 10176 00

Permit Number: _____ Expiration Date: 10/5/2013

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) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

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

3) 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 340 FEET DEEP.

Attachment Check List

Att Doc Num	Name
400197673	FORM 2 SUBMITTED
400200263	OTHER
400200264	CONST. LAYOUT DRAWINGS
400200265	ACCESS ROAD MAP
400200266	OTHER
400200275	WELL LOCATION PLAT
400200277	HYDROLOGY MAP
400200278	REFERENCE AREA MAP
400200279	ACCESS ROAD MAP
400200280	LOCATION PICTURES
400200281	REFERENCE AREA PICTURES
400200283	MULTI-WELL PLAN
400200284	LOCATION DRAWING
400200285	NRCS MAP UNIT DESC
400200286	NRCS MAP UNIT DESC
400200287	OIL & GAS LEASE
400200288	DEVIATED DRILLING PLAN
400200296	H2S CONTINGENCY PLAN

Total Attach: 18 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	LGD/Pub. comm. waived. Final Comprehensive Review Status--passed.	10/6/2011 11:17:29 AM
Permit	changed distances to nearest well, nearest bldg. to agree with 2A, & nearest min. lease line per operator's instructions (Irene Ward). added related form 2A #400195198. ready to approve in permitting 9/23.	9/22/2011 9:55:01 AM
Permit	Req'd clarification from operator on unit config. and dist. to nearest mineral lease line.	9/16/2011 3:25:31 PM
Permit	Returned to draft Missing question #19. Missing location ID.	9/1/2011 6:45:06 AM

Total: 4 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Planning	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.
General Housekeeping	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.
Storm Water/Erosion Control	Stormwater management practices during construction and interim reclamation phases in accordance with CDPEH regulations. Stormwater management practices in accordance with COGCC rules throughout the operating life of the locations.
Wildlife	Bird protection practices with the Migratory Bird Act.
Drilling/Completion Operations	Spill reporting and clean-up per COGCC guidelines, EPA regulations, CDPEH regulations, and Noble Energy, Inc. policies.
Material Handling and Spill Prevention	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.
Interim Reclamation	Use of portable toilets whenever long-term activities are occurring onsite.

Total: 7 comment(s)