

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: 400198401			
PluggingBond SuretyID 20030058			

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 ☐

3. Name of Operator: EOG RESOURCES INC 4. COGCC Operator Number: 27742  
5. Address: 600 17TH ST STE 1100N  
City: DENVER State: CO Zip: 80202  
6. Contact Name: Nanette Lupcho Phone: (435)781-9157 Fax: (435)789-7633  
Email: nanette\_lupcho@eogresources.com  
7. Well Name: Horse Ditch Well Number: 7-17H  
8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_  
9. Proposed Total Measured Depth: 10634

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 17 Twp: 8N Rng: 59W Meridian: 6  
Latitude: 40.656247 Longitude: -103.993003

Footage at Surface: 501 feet FNL/FSL 501 feet FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999  
12. Ground Elevation: 4835 13. County: WELD

14. GPS Data:

Date of Measurement: 12/18/2010 PDOP Reading: 2.0 Instrument Operator's Name: Robert L Kay

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

Footage at Top of Prod Zone: FNL/FSL 929 FSL 716 FEL 600 FEL/FWL 2639 FEL 600  
Bottom Hole: FNL/FSL 600 FNL 2639 FEL 600  
Sec: 17 Twp: 8N Rng: 59W Sec: 17 Twp: 8N Rng: 59W

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: 5752 ft

18. Distance to nearest property line: 501 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1490 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	1108-sp-97	640	All

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: COC028082

22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: 20090114

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):

Please see attached lease description

25. Distance to Nearest Mineral Lease Line: 600 ft

26. Total Acres in Lease: 1148

### 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	20	16	42	0	60	50	60	0
SURF	13+1/2	9+5/8	36	0	800	420	800	0
1ST	8+3/4	7	23	0	6,323	670	6,323	0
1ST LINER	6	4+1/2	11.6	5573	10,634	315	10,634	5,573

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

33. Comments Application for spacing unit order has been filed. Distance to nearest well permitted/completed in the same formation was calculated from the SHL of the Noble Energy Location, State-Tincup #13-16 (05-123-19793) to the SHL of the proposed Horse Ditch 7-17H.

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: \_\_\_\_\_

Print Name: Nanette Lupcho

Title: Regulatory Assistant Date: 8/23/2011 Email: nanette\_lupcho@eogresources.

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: 9/25/2011

#### API NUMBER

05 123 34418 00

Permit Number: \_\_\_\_\_ Expiration Date: 9/24/2013

#### 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.

PROPOSED HORIZONTAL WELL BORE IS TO BE DRILLED INTO FEDERAL MINERALS. OPERATOR DISCUSSION WITH BLM REQUIRED: FEDERAL MINERALS CANNOT BE DRILLED UPON/PRODUCED WITHOUT A FEDERAL DRILLING PERMIT REGARDLESS OF SPACING ORDER: REQUIRED SETBACKS TO BE MAINTAINED--  
-INTERAGENCY DISCUSSION PURSUANT TO MOU COGCC, BLM, USFS 6-24-09 H.2.d

- 1) Provide 24 hour notice of MIRU to Colby Horton at 970-467-2517 or e-mail at colby.horton@state.co.us.
- 2) Provide cement coverage from base of intermediate casing to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

### **Attachment Check List**

Att Doc Num	Name
2506030	SURFACE CASING CHECK
400198401	FORM 2 SUBMITTED
400198432	PLAT
400198434	DRILLING PLAN
400198446	DEVIATED DRILLING PLAN
400198449	TOPO MAP
400198451	LEGAL/LEASE DESCRIPTION

Total Attach: 7 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Notified the BLM	9/22/2011 1:59:06 PM
Permit	Returned to draft. Mineral lease does not cover bottom hole.	8/24/2011 10:13:01 AM

Total: 2 comment(s)

### **BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>

Total: 0 comment(s)