

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



Document Number:

400188015

Date Received:

08/03/2011

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 INC4. COGCC Operator Number: 277425. Address: 600 17TH ST STE 1100NCity: DENVER State: CO Zip: 802026. Contact Name: Nanette Lupcho Phone: (435)781-9157 Fax: (435)789-7633Email: Nanette\_Lupcho@eogresources.com7. Well Name: Greasewood Well Number: 05-09H

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

9. Proposed Total Measured Depth: 10747

## WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 9 Twp: 6N Rng: 61W Meridian: 6Latitude: 40.508403 Longitude: -104.222314

Footage at Surface: 501 feet FNL 401 feet FWL  
 FNL/FSL FEL/FWL

11. Field Name: Wildcat Field Number: 9999912. Ground Elevation: 4674 13. County: WELD

## 14. GPS Data:

Date of Measurement: 05/31/2011 PDOP Reading: 1.6 Instrument Operator's Name: Robert L Kay15. 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  
926 FNL 627 FWL 600 FSL 2639 FWL  
 Sec: 9 Twp: 6N Rng: 61W Sec: 9 Twp: 6N Rng: 61W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 519 ft18. Distance to nearest property line: 401 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 2535 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	407-583	640	All

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: \_\_\_\_\_22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. 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 ☐ No23b. 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: 0 ft

26. Total Acres in Lease: 880

### 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	6,497	690	6,497	0
1ST LINER	6	4+1/2	11.6	5747	10,747	310	10,747	5,747

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 proposed EOG Greasewood 5-09H to the SHL of the proposed Frank Trust 44-3H operated by Petroleum Development Corp.

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: Regulator Assistant

Date: 8/3/2011

Email: Nanette\_Lupcho@eogresource

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: 4/24/2012

#### API NUMBER

05 123 35461 00

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

Expiration Date: 4/23/2014

#### 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.

Operator must meet water well sampling requirements as per Rule 318A.

- 1) Provide 24 hour notice of MIRU to Jim Precup at 303-469-1902 or e-mail at james.precup@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
2505801	SURFACE CASING CHECK
2530944	EXCEPTION LOC WAIVERS
400188015	FORM 2 SUBMITTED
400188030	TOPO MAP
400188031	PLAT
400188032	DRILLING PLAN
400188033	DEVIATED DRILLING PLAN
400191360	LEGAL/LEASE DESCRIPTION

Total Attach: 8 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Distance to lease line revised to 0 feet. Horizontal well crosses lease line. Operator requests approval of a Rule 318Ae exception location: Wellhead is to be located inside of a GWA drilling window. Request and waivers attached.	4/24/2012 8:11:44 AM
Permit	Distance to the nearest well revised to account for new well activity since 8/2011	4/24/2012 8:06:52 AM
Permit	No LGD or public comment received; final review completed.	4/24/2012 7:39:21 AM
Permit	Area spaced by Marathon in April 2012.	4/24/2012 7:31:39 AM
Permit	Requested an update and provide some options. 1/27/2012	1/27/2012 7:23:16 AM
Permit	On hold-Waiting for exception location request letter. Does not appear that a spacing hearing has been filed. Asked operator for clarification.	11/14/2011 9:27:41 AM
Permit	Updated permit with new attachments regarding surface waivers.	8/16/2011 12:24:57 PM
Permit	On hold waiting for surface waivers. 318Aa	3/4/2011 6:30:55 AM
Permit	On hold pending approval of October spacing hearing. 9/26/2011	3/4/2011 6:30:24 AM

Total: 9 comment(s)

### **BMP**

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

Total: 0 comment(s)