

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: 400198744			
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: Lion Creek Well Number: 20-29H  
8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_  
9. Proposed Total Measured Depth: 12346

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 29 Twp: 11N Rng: 64W Meridian: 6  
Latitude: 40.897753 Longitude: -104.578033

Footage at Surface: 501 feet FNL 501 feet FWL  
11. Field Name: Wildcat Field Number: 99999  
12. Ground Elevation: 5512 13. County: WELD

14. GPS Data:

Date of Measurement: 05/19/2011 PDOP Reading: 1.8 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 FEL/FWL Bottom Hole: FNL/FSL FEL/FWL  
924 FNL 717 FWL 600 FSL 2635 FWL  
Sec: 29 Twp: 11N Rng: 64W Sec: 29 Twp: 11N Rng: 64W

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: 5088 ft

18. Distance to nearest property line: 501 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 2338 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			

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):

Township 11 North, Range 64 West of the 6th P.M.: Section 9: ALL, Section 17: East 106.67 acres of the SE, Section 20: ALL, Section 29: ALL

25. Distance to Nearest Mineral Lease Line: 600 ft

26. Total Acres in Lease: 2026

### 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	1,715	895	1,715	0
1ST	8+3/4	7	23	0	8,142	860	8,142	0
1ST LINER	6	4+1/2	11.6	7392	12,346	305	12,346	7,392

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 Lion Creek 19-30H (05-123-33347) to the SHL of the proposed Lion Creek 20-29H.

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: 9/15/2011

#### API NUMBER

05 123 34376 00

Permit Number: \_\_\_\_\_ Expiration Date: 9/14/2013

#### 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) Provide 48 hour notice of MIRU to Jim Precup at 303-726-3822 or e-mail at jim.precup@state.co.us.
- 2) Comply with Rule 317.i and provide cement coverage from the end of the production casing to a minimum of 200' above the Niobrara. Verify coverage with a cement bond log.
- 3) Comply with Rule 321. Run and submit Directional Survey from the end of production casing 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
2481144	SURFACE CASING CHECK
400198744	FORM 2 SUBMITTED
400198772	PLAT
400198775	DRILLING PLAN
400198784	TOPO MAP
400198797	DEVIATED DRILLING PLAN

Total Attach: 6 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	EOG has filed for a spacing order in October? A spacing order is not necessary to get permit since a lease covers all of section 2 9.	8/24/2011 10:36:07 AM

Total: 1 comment(s)

### **BMP**

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

Total: 0 comment(s)