

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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Document Number:

400141861

Plugging Bond Surety

20030058

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

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

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: Jennifer Yu Phone: (303)824-5576 Fax: (303)824-5577

Email: jennifer\_yu@eogresources.com

7. Well Name: Windmill Well Number: 05-23H

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

9. Proposed Total Measured Depth: 10425

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 23 Twp: 5N Rng: 62W Meridian: 6

Latitude: 40.379814 Longitude: -104.283978

Footage at Surface: 477 feet FNL/FSL FSL 845 feet FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4592 13. County: WELD

14. GPS Data:

Date of Measurement: 12/01/2010 PDOP Reading: 1.5 Instrument Operator's Name: Robert Kay

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

Footage at Top of Prod Zone: FNL/FSL 923 FSL 1033 FEL 600 FNL 2622 FEL 600  
Bottom Hole: FNL/FSL 600 FNL 2622 FEL 600  
Sec: 23 Twp: 5N Rng: 62W Sec: 23 Twp: 5N Rng: 62W

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: 6473 ft

18. Distance to nearest property line: 1933 ft 19. Distance to nearest well permitted/completed in the same formation: 4967 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	535-4	640	All

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 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):  
Township 5N, Range 62W, Section 23 of the 6th P.M.: All

25. Distance to Nearest Mineral Lease Line: 600 ft 26. Total Acres in Lease: 640

### 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: Backfill & cover

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	6,388	680	6,388	0
1ST LINER	6	4+1/2	11.6	5638	10,425	295	10,425	5,638

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

33. Comments A pilot hole has been added to the referenced well. The attached drilling plan is the original drilling plan with pilot hole info added. No changes to the deviated drilling plan provided. The surface and bottom hole locations remain the same as the original permit (Doc #400122819).

34. Location ID: 421762

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: Jennifer Yu

Title: Regulatory Administrator Date: 3/11/2011 Email: jennifer\_yu@eogresources.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. Neslin Director of COGCC Date: 3/17/2011

Permit Number: \_\_\_\_\_ Expiration Date: 3/16/2013

**API NUMBER**

05 123 33060 01

**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 24 hr notice of MIRU to Bo Brown at 970-392-4124 or e-mail at bo.brown@state.co.us.
- 2) Set surface casing per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) If completed, provide cement coverage from the intermediate casing shoe to a minimum of 200' above Niobrara. Verify cement with a cement bond log.
- 4) Comply with Rule 321. 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
400141861	FORM 2 SUBMITTED
400141883	DEVIATED DRILLING PLAN
400141884	DRILLING PLAN
400142383	PLAT

Total Attach: 4 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	This is the lateral. The previous lateral submitted was changed into a pilot. this is a resubmission of the original lateral which will now become the side track.	3/14/2011 5:09:43 PM
Permit	Bacjk to draft for a well plat. sf	3/14/2011 1:29:44 PM

Total: 2 comment(s)

**BMP**

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

Total: 0 comment(s)