


<b>FORM</b> <b>2</b> Rev 12/05	<b>State of Colorado</b> <b>Oil and Gas Conservation Commission</b> 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table>	DE	ET	OE	ES
DE	ET	OE	ES				
<b>APPLICATION FOR PERMIT TO:</b>			Document Number: <div style="text-align: center;">400160638</div> Plugging Bond Surety <div style="text-align: center;">20030058</div>				
1. <input checked="" type="checkbox"/> <b>Drill,</b> <input type="checkbox"/> Deepen, <input type="checkbox"/> Re-enter, <input type="checkbox"/> Recomplete and Operate							
2. TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/>		Refiling <input type="checkbox"/> Sidetrack <input type="checkbox"/>					
3. Name of Operator: <u>EOG RESOURCES INC</u>		4. COGCC Operator Number: <u>27742</u>					
5. Address: <u>600 17TH ST STE 1100N</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>							
6. Contact Name: <u>Nanette Lupcho</u> Phone: <u>(435)781-9157</u> Fax: <u>(435)789-7633</u> Email: <u>Nanette_Lupcho@eogresources.com</u>							
7. Well Name: <u>Sandborn</u>		Well Number: <u>07-20H</u>					
8. Unit Name (if appl): _____		Unit Number: _____					
9. Proposed Total Measured Depth: <u>10401</u>							
<b>WELL LOCATION INFORMATION</b>							
10. QtrQtr: <u>SESE</u> Sec: <u>20</u> Twp: <u>5N</u> Rng: <u>61W</u> Meridian: <u>6</u> Latitude: <u>40.381661</u> Longitude: <u>-104.224722</u>							
Footage at Surface: <u>912</u> feet    FNL/FSL <u>FSL</u> <u>301</u> feet    FEL/FWL <u>FEL</u>							
11. Field Name: <u>Wildcat</u>		Field Number: <u>99999</u>					
12. Ground Elevation: <u>4640</u>		13. County: <u>WELD</u>					
14. GPS Data: Date of Measurement: <u>01/16/2011</u> PDOP Reading: <u>1.2</u> Instrument Operator's Name: <u>Robert Kay</u>							
15. If well is <input type="checkbox"/> Directional <input checked="" type="checkbox"/> Horizontal (highly deviated) <b>submit deviated drilling plan.</b> Footage at Top of Prod Zone: FNL/FSL <u>1230</u> FEL/FWL <u>FSL</u> <u>612</u> FEL <u>FEL</u> Bottom Hole: FNL/FSL <u>600</u> FEL/FWL <u>FNL</u> <u>2639</u> FEL <u>FEL</u> Sec: <u>20</u> Twp: <u>5N</u> Rng: <u>61W</u> Sec: <u>20</u> Twp: <u>5N</u> Rng: <u>61W</u>							
16. Is location in a high density area? (Rule 603b)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
17. Distance to the nearest building, public road, above ground utility or railroad: <u>301 ft</u>							
18. Distance to nearest property line: <u>301 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>1600 ft</u>							
<b>20. LEASE, SPACING AND POOLING INFORMATION</b>							
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			

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

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):  
Please see attached lease description.

25. Distance to Nearest Mineral Lease Line: \_\_\_\_\_ 0 ft 26. Total Acres in Lease: \_\_\_\_\_ 960

**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	6,371	675	6,371	0
1ST LINER	6	4+1/2	11.6	5621	10,401	295	10,401	5,621

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

33. Comments The distance to the nearest well in same formation was measured from the Sandborn 07-20H BHL to the Bonanza Creek Pronghorn 31-17HZ BHL, API No. 05-123-33331. EOG requests approval of Rule 318Aa exception location: Wellhead is to be located outside of a GWA drilling window. Waiver attached.

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: 5/10/2011 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: 7/23/2011

Permit Number: \_\_\_\_\_ Expiration Date: 7/22/2013

**API NUMBER**

05 123 34019 00

**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 hour notice of MIRU to Bo Brown at 970-397-4124 or e-mail at bo.brown@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
2530869	EXCEPTION LOC WAIVERS
2568301	SURFACE CASING CHECK
400160638	FORM 2 SUBMITTED
400160639	DRILLING PLAN
400160640	DEVIATED DRILLING PLAN
400160641	TOPO MAP
400160642	PLAT
400160643	LEGAL/LEASE DESCRIPTION

Total Attach: 8 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Updated permit with new exception location documents.	7/21/2011 7:16:11 AM
Permit	Operator responde that they will have the letter to me soon.	7/7/2011 8:48:42 AM
Permit	Requested response to surface waiver question or permit will be withdrawn.	7/6/2011 2:42:06 PM
Permit	On hold-This well is going to need request and waiver letters from the surface owner because the well is outside the drilling window.	5/12/2011 5:30:50 AM

Total: 4 comment(s)

**BMP**

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

Total: 0 comment(s)