

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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APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL  GAS  COALBED  OTHER \_\_\_\_\_  
SINGLE ZONE  MULTIPLE ZONE  COMMINGLE ZONE

Refilling   
Sidetrack

Document Number:  
400038310  
Plugging Bond Surety  
20030058

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: Amber Schaller Phone: (303)824-5582 Fax: (303)824-5583  
Email: amber\_schaller@eogresources.com

7. Well Name: Longhorn B Well Number: 5-36H

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

9. Proposed Total Measured Depth: 11233

WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 36 Twp: 12N Rng: 63W Meridian: 6  
Latitude: 40.960517 Longitude: -104.381514

Footage at Surface: 667 FNL/FSL FSL 2555 FEL/FWL FWL

11. Field Name: Hereford Field Number: 34200

12. Ground Elevation: 5342.9 13. County: WELD

14. GPS Data:

Date of Measurement: 01/22/2010 PDOP Reading: 1.9 Instrument Operator's Name: Uintah Engineering & Land Surveying

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

Footage at Top of Prod Zone: FNL/FSL 1160 FSL 2550 FWL 600 FEL/FWL 600 FNL 2200 FWL 2200  
Bottom Hole: FNL/FSL 600 FNL 2200 FWL 2200  
Sec: 36 Twp: 12N Rng: 63W Sec: 36 Twp: 12N Rng: 63W

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: 1418 ft

18. Distance to nearest property line: 654 ft 19. Distance to nearest well permitted/completed in the same formation: 196 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	421-2	640	ALL

21. Mineral Ownership:  Fee  State  Federal  Indian Lease #: 8755/5

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):  
All Section 36, T12N, R63W, 6th meridian.

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 27 or 28 are yes, is this location in a sensitive area (Rule 903)?  Yes  No **If 28, 29, or 30 are "Yes" a pit permit may be required.**

31. Mud disposal:  Offsite  Onsite

Method:  Land Farming  Land Spreading  Disposal Facility Other: Backfill and 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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
CONDUCTOR	20	16		60		60	0
SURF	13+1/2	9+5/8	36 Lbs	1,425	740	1,425	0
1ST	8+3/4	7	23 Lbs	7,736	820	7,736	0
1ST LINER	6+1/4	4+1/2	11.6 Lbs	11,352	315	11,352	6,900

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

33. Comments COW Consultation was conducted on 1/25/2010. Docket number for this infill well has not been assigned but is linked to EOG's 640 spacing application, Docket # 1002-SP-06. This proposed well will share a pad with the Longhorn B 3-36H, API # 05-123-30586-00 and the proposed Longhorn G 4-36H.

34. Location ID: 414175

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: Amber Schaller

Title: Regulatory Assistant Date: 2/19/2010 Email: amber\_schaller@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. Nesline Director of COGCC Date: 5/4/2010

API NUMBER: **05 123 31532 00** Permit Number: \_\_\_\_\_ Expiration Date: 5/3/2012

**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.

COGCC ENG COA – SME 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, setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC. 3) If production casing is set, cement coverage shall be at a minimum from the production casing shoe to 200' above Niobrara. Verify all placed cement with 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	Doc Description
1725655	SURFACE CASING CHECK	LF@2434348 1725655
1760895	DRILLING PLAN	LF@2462495 1760895
1760896	DEVIATED DRILLING PLAN	LF@2462496 1760896
1760897	DEVIATED DRILLING PLAN	LF@2462497 1760897
1760898	DEVIATED DRILLING PLAN	LF@2462500 1760898
400038310	APD APPROVED	LF@2464210 400038310
400041918	PLAT	LF@2426334 400041918
400041919	MULTI-WELL PLAN	LF@2426335 400041919
400041920	TOPO MAP	LF@2426336 400041920
400041921	DEVIATED DRILLING PLAN	LF@2426337 400041921
400041922	DRILLING PLAN	LF@2426338 400041922
400042022	FORM 2 SUBMITTED	LF@2426339 400042022
400059670	APD ORIGINAL	LF@0 400059670

Total Attach: 13 Files