

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: 400222647			
PluggingBond SuretyID 20100152			

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: CONTINENTAL RESOURCES INC 4. COGCC Operator Number: 10347  
5. Address: PO BOX 1032  
City: ENID State: OK Zip: 73703  
6. Contact Name: Christi Scritchfield Phone: (580)233-8955 Fax: (580)548-5257  
Email: christiscritchfield@contres.com  
7. Well Name: Buchner Well Number: 1-2H  
8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_  
9. Proposed Total Measured Depth: 15725

WELL LOCATION INFORMATION

10. QtrQtr: Lot 1 Sec: 2 Twp: 7N Rng: 60W Meridian: 6  
Latitude: 40.610888 Longitude: -104.052296

Footage at Surface: 250 feet FNL/FSL 660 feet FEL/FWL FEL

11. Field Name: Crow Field Number: 13600  
12. Ground Elevation: 4930 13. County: WELD

14. GPS Data:

Date of Measurement: 11/02/2011 PDOP Reading: 1.3 Instrument Operator's Name: L. Kelley Stevenson

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

Footage at Top of Prod Zone: FNL/FSL 729 FNL 666 FEL 660 FSL 660 FEL 660  
Bottom Hole: FNL/FSL 660 FSL 660 FEL 660  
Sec: 2 Twp: 7N Rng: 60W Sec: 11 Twp: 7N Rng: 60W

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: 250 ft

18. Distance to nearest property line: 250 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1525 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	535-104	1280	Sec 2 & 11

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#: 20100153

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):

The lease is NE/4 and SE/4 of both the NE/4 and SE/4 of Section 2, 7N, 60W and the NE/4 and SE/4 of both the NE/4 and SE/4 of Section 11, 7N, 60W.

25. Distance to Nearest Mineral Lease Line: 660 ft

26. Total Acres in Lease: 816

### 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: Evaporate and Backfill

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	26	16	50	0	60	30	60	0
SURF	13+1/2	9+5/8	36	0	535	229	535	0
1ST	8+3/4	7+1/2	26	0	6,525	594	6,525	0
1ST LINER	6	4+1/2	11.6	5724	15,725			

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

33. Comments

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: Christi Scritchfield

Title: Regulatory Compliance

Date: 11/15/2011

Email: christiscritchfield@contres.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. Nesline

Director of COGCC

Date: 12/21/2011

#### API NUMBER

05 123 34825 00

Permit Number: \_\_\_\_\_ Expiration Date: 12/20/2013

#### 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 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
400222647	FORM 2 SUBMITTED
400222688	WELL LOCATION PLAT
400222689	DEVIATED DRILLING PLAN

Total Attach: 3 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	No LGD or public comment received; final review completed.	12/20/2011 8:38:12 AM
Engineer	Requested information from operator (christiscritchfield@contres.com) regarding 7" casing depth and cement bottom. Received information: 7" casing setting depth and cement bottom are both 6525'.	11/30/2011 8:37:43 AM
Permit	ON HOLD-Pending outcome of spacing hearing (Dec 2011)	11/21/2011 5:53:16 AM
Permit	On hold-pending outcome of the December spacing hearing	11/16/2011 8:56:31 AM
Permit	Operator answered question #22. Form has passed completeness.	11/16/2011 8:07:47 AM
Permit	Returned to draft. Missing #22	11/16/2011 7:07:22 AM

Total: 6 comment(s)

### **BMP**

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

Total: 0 comment(s)