

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:  
400170138  
Plugging Bond Surety  
20010124

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

Refiling   
Sidetrack

3. Name of Operator: KERR-MCGEE OIL & GAS ONSHORE LP 4. COGCC Operator Number: 47120

5. Address: P O BOX 173779  
City: DENVER State: CO Zip: 80217-3779

6. Contact Name: CHERYL LIGHT Phone: (720)929-6461 Fax: (720)929-7461  
Email: DJREGULATORY@ANADARKO.COM

7. Well Name: RIVERBEND Well Number: 21-24

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

9. Proposed Total Measured Depth: 8228

WELL LOCATION INFORMATION

10. QtrQtr: NWNE Sec: 24 Twp: 1N Rng: 67W Meridian: 6  
Latitude: 40.042531 Longitude: -104.837533

Footage at Surface: 463 feet FNL 2200 feet FEL  
FNL/FSL FEL/FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4923 13. County: WELD

14. GPS Data:

Date of Measurement: 04/23/2010 PDOP Reading: 1.9 Instrument Operator's Name: TRAVIS KRAICH

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  
1320 FNL 2590 FEL 1320 FNL 2590 FEL  
Sec: 24 Twp: 1N Rng: 67W Sec: 24 Twp: 1N Rng: 67W

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: 463 ft

18. Distance to nearest property line: 463 ft 19. Distance to nearest well permitted/completed in the same formation: 898 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.)
J SAND	JSND	232	320	GWA
NIOBRARA CODELL	NB-CD	407	160	GWA

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 OIL AND GAS LEASE.

25. Distance to Nearest Mineral Lease Line: 191 ft 26. Total Acres in Lease: 80

### 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
SURF	12+1/4	8+5/8	24.0	0	900	630	900	0
1ST	7+7/8	4+1/8	11.6	0	8,228	200	8,228	

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

33. Comments No conductor will be used. Unit Configuration NIOBRARA-CODELL W2NE4 E2NW4; JSAND N2

34. Location ID: 318925

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: CHERYL LIGHT

Title: SR. REGULATORY ANALYST Date: 6/8/2011 Email: DJREGULATORY@ANADARK

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: 6/30/2011

<b>API NUMBER</b> 05 123 33843 00	Permit Number: _____ Expiration Date: <u>6/29/2013</u>
<b>CONDITIONS OF APPROVAL, IF ANY:</b>	

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) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below Sussex to 200' above Sussex. Verify coverage with cement bond log.
- 3) 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
400170138	FORM 2 SUBMITTED
400170169	DEVIATED DRILLING PLAN
400170170	PLAT
400170171	TOPO MAP
400170172	SURFACE AGRMT/SURETY
400170174	LEGAL/LEASE DESCRIPTION
400170175	PROPOSED SPACING UNIT
400173046	30 DAY NOTICE LETTER

Total Attach: 8 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Distance to nearest Road 463' is correct.	6/28/2011 9:12:37 AM
Permit	Requesting confirmation of distance to nearest building, number of wells on pad, distance to overhead power lines, distance to county road. plg.	6/24/2011 12:56:59 PM

Total: 2 comment(s)

### BMP

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

Total: 0 comment(s)