

**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:  
400076196  
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: CHERYL.LIGHT@ANADARKO.COM

7. Well Name: RIVERBEND Well Number: 24-13

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

9. Proposed Total Measured Depth: 8080

**WELL LOCATION INFORMATION**

10. QtrQtr: SWNE Sec: 13 Twp: 1N Rng: 67W Meridian: 6  
Latitude: 40.052715 Longitude: -104.835936

Footage at Surface: 2045 FNL/FSL FNL 1739 FEL/FWL FEL

11. Field Name: SPINDLE Field Number: 77900

12. Ground Elevation: 4917 13. County: WELD

14. GPS Data:

Date of Measurement: 04/27/2010 PDOP Reading: 1.8 Instrument Operator's Name: CHRIS PEARSON

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

Footage at Top of Prod Zone: FNL/FSL FNL 1320 FEL FEL 2590 FNL 1320 FEL  
Sec: 13 Twp: 1N Rng: 67W Sec: 13 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: 226 ft

18. Distance to nearest property line: 583 ft 19. Distance to nearest well permitted/completed in the same formation: 1074 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		160	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 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):  
SEE ATTACHED OIL & GAS LEASE

25. Distance to Nearest Mineral Lease Line: 1320 ft 26. Total Acres in Lease: 407

### 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: \_\_\_\_\_

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
SURF	12+1/4	8+5/8	24	900	630	900	
1ST	7+7/8	4+1/2	11.6	8,080	200	8,080	
1ST LINER							

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

33. Comments NO CONDUCTOR CASING WILL BE USED. Kerr McGee Oil & Gas LP requests approval of Rule 318Aa exception location: Wellhead is to be located outside of a GWA drilling window. Surface Owner consent is given by article 3.d of the attached Surface Use Agreement. Proposed GWA Spacing Unit for NB-CD and J-Sand: S/2NE; N/2SE

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: CHERYL LIGHT

Title: SR. REGULATORY ANALYST Date: 7/16/2010 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: 8/20/2010

<b>API NUMBER</b> 05 123 32028 00	Permit Number: _____	Expiration Date: <u>8/19/2012</u>
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**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) 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	Doc Description
1770482	SURFACE CASING CHECK	LF@2517795 1770482
400076196	FORM 2 SUBMITTED	LF@2508773 400076196
400076204	WELL LOCATION PLAT	LF@2508774 400076204
400076206	TOPO MAP	LF@2508775 400076206
400076207	OIL & GAS LEASE	LF@2508776 400076207
400076208	SURFACE AGRMT/SURETY	LF@2508777 400076208
400076210	30 DAY NOTICE LETTER	LF@2508778 400076210
400076211	DEVIATED DRILLING PLAN	LF@2508779 400076211
400076212	MULTI-WELL PLAN	LF@2508780 400076212
400076213	EXCEPTION LOC WAIVERS	LF@2508781 400076213
400076214	EXCEPTION LOC REQUEST	LF@2508782 400076214
400077269	PROPOSED SPACING UNIT	LF@2508783 400077269

Total Attach: 12 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Form 2A submitted subsequent to this application. PVG	8/13/2010 10:17:16 AM

Total: 1 comment(s)

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