

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:

1757301

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 &amp; GAS ONSHORE LP

4. COGCC Operator Number: 47120

5. Address: P O BOX 173779

City: DENVER State: CO Zip: 80217-3779

6. Contact Name: CHERYLLIGHT Phone: (720)929-7461 Fax: (720)929-7461

Email: CHERYL.LIGHT@ANADARKO.COM

7. Well Name: BURCHFIELD Well Number: 30-21

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

9. Proposed Total Measured Depth: 7971

## WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 21 Twp: 3N Rng: 67W Meridian: 6

Latitude: 40.215730 Longitude: -104.899260

 Footage at Surface: 1045 FNL/FSL 1504 FEL/FWL  
 FNL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4775 13. County: WELD

## 14. GPS Data:

Date of Measurement: 03/06/2009 PDOP Reading: 6.0 Instrument Operator's Name: DANIEL J. CORRIELL

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  
 50 FNL 50 FWL 50 FNL 50 FWL  
 Sec: 21 Twp: 3N Rng: 67W Sec: 21 Twp: 3N 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: 2134

18. Distance to nearest property line: 920 19. Distance to nearest well permitted/completed in the same formation: 721

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	407-87	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 LEASE DATED FEBRUARY 16, 1977

25. Distance to Nearest Mineral Lease Line: \_\_\_\_\_ 50 \_\_\_\_\_ 26. Total Acres in Lease: \_\_\_\_\_ 301 \_\_\_\_\_

### 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	840	260	840	0
1ST	7+7/8	4+1/2	11.6	7,971	200	7,971	

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

33. Comments NO CONDUCTOR CASING WILL BE USED.

34. Location ID: 319489

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 Date: 7/10/2009 Email: CHERYL.LIGHT@ANADARKO.

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: 8/11/2009

#### API NUMBER

05 123 30578 00

Permit Number: \_\_\_\_\_ Expiration Date: 8/11/2010

CONDITIONS OF APPROVAL, IF ANY:

### **Condition of Approval**

Comment	User Name	Comment Date
Agency		
1) Note surface casing setting depth change from 650' to 840'. Increase cement coverage accordingly and cement to surface. 2) Provide 24 hour notice of MIRU to Jim Precup at 303-469-1902 or e-mail at james.precup@state.co.us 3) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage 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.		07/14/2009

### **Attachment Check List**

Att Doc Num	Name	Doc Description	Op. Check	File Size
1757301	APD ORIG & 1 COPY	LF@2094551 1757301	Y	
1757302	WELL LOCATION PLAT		Y	
1757303	LOCATION DRAWING	LF@2094534 1757303	Y	
1757304	MULTI-WELL PLAN	LF@2094557 1757304	Y	
1757305	DEVIATED DRILLING PLAN		Y	
1757306	PROPOSED SPACING UNIT	LF@2094563 1757306	Y	
1757307	30 DAY NOTICE LETTER	LF@2094555 1757307	Y	
1757308	OIL & GAS LEASE	LF@2094561 1757308	Y	
1758102	CORRESPONDENCE	LF@2110667 1758102	Y	

Total Attach: 9 Files