

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

Document Number:
400181972

PluggingBond SuretyID
20010124

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: Rebecca Heim Phone: (720)929-6361 Fax: (720)929-7361
Email: rebecca.heim@anadarko.com

7. Well Name: RIVERBEND Well Number: 32-19

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

9. Proposed Total Measured Depth: 8261

WELL LOCATION INFORMATION

10. QtrQtr: SWNW Sec: 19 Twp: 1N Rng: 66W Meridian: 6
Latitude: 40.038883 Longitude: -104.826497

Footage at Surface: 1808 feet FNL 885 feet FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4924 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

2590 FNL 50 FWL 2590 FNL 50 FWL

Sec: 19 Twp: 1N Rng: 66W Sec: 19 Twp: 1N Rng: 66W

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: 1809 ft

18. Distance to nearest property line: 905 ft 19. Distance to nearest well permitted/completed in the same formation: 1336 ft

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 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: 50 ft 26. Total Acres in Lease: 89

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	970	630	970	0
1ST	7+7/8	4+1/2	11.6	0	8,261	200	8,261	

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

33. Comments No conductor casing will be used. Unit Configuration NB-CD & JSND: SW/4NW/4, NW/4SW/4 sec 19-T1N-R66W, SE/4NE/4 NE/4SE/4 sec 24-T1N-R67W

34. Location ID: 410173

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: Rebecca Heim

Title: Regulatory Analyst II Date: 7/19/2011 Email: DJRegulatory@anadarko.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: 8/17/2011

API NUMBER
05 123 34183 00

Permit Number: _____ Expiration Date: 8/16/2013

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) Note surface casing setting depth change from 900' to 970'. 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 and from 200' below Sussex to 200' above Sussex. 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.

Attachment Check List

Att Doc Num	Name
1694242	PROPOSED SPACING UNIT
400181972	FORM 2 SUBMITTED
400181978	PLAT
400181979	TOPO MAP
400181980	30 DAY NOTICE LETTER
400181982	SURFACE AGRMT/SURETY
400181983	LEGAL/LEASE DESCRIPTION
400181984	PROPOSED SPACING UNIT
400186125	DEVIATED DRILLING PLAN

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Received corrected proposed spacing unit & 20 day cert.	7/22/2011 3:26:23 PM
Permit	Requesting corrected proposed spacing unit. Unit Configuration for NB-CD & JSND should be: SW/4NW/4, NW/4SW/4 sec 19-T1N-R66W, SE/4NE/4 NE/4SE/4 sec 24 -T1N-R67W. As shown bottom not in window.	7/22/2011 12:53:07 PM

Total: 2 comment(s)

BMP

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

Total: 0 comment(s)