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Document Number:
 400194070
 PluggingBond SuretyID
 20010124

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: 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: BERGER Well Number: 4-2
 8. Unit Name (if appl): _____ Unit Number: _____
 9. Proposed Total Measured Depth: 8292

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 2 Twp: 1N Rng: 67W Meridian: 6
 Latitude: 40.083809 Longitude: -104.863752
 Footage at Surface: 1349 feet FNL 1071 feet FWL
 11. Field Name: WATTENBERG Field Number: 90750
 12. Ground Elevation: 4962 13. County: WELD

14. GPS Data:
 Date of Measurement: 04/30/2010 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 _____
510 FNL 510 FWL 510 FNL 510 FWL
 Sec: 2 Twp: 1N Rng: 67W Sec: 2 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: 1071 ft
 18. Distance to nearest property line: 244 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 924 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	232	320	W/2
NIOBRARA CODELL	NB-CD	407	80	W/2NW/4

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#: 20010125
 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: 510 ft 26. Total Acres in Lease: 83

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	
1ST	7+7/8	4+1/2	11.6	0	8,292	200	8,292	

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

33. Comments No conductor casing will be used. No open hole logs will be run.

34. Location ID: 318915

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 Anaylst II Date: 10/21/2011 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: 11/15/2011

API NUMBER
05 123 34705 00

Permit Number: _____ Expiration Date: 11/14/2013

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.

Operator must meet water well testing requirements per Rule 318A.

- 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 Shannon 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
400194070	FORM 2 SUBMITTED
400194075	PLAT
400194076	TOPO MAP
400194077	30 DAY NOTICE LETTER
400194078	OIL & GAS LEASE
400217055	OTHER
400217056	DEVIATED DRILLING PLAN

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed. No LGD or public comment received.	11/15/2011 4:28:44 PM
Permit	Added to operator comments: No open hole logs will be run. Okay to pass pending public comment 11/14/11.	10/24/2011 2:14:45 PM

Total: 2 comment(s)

BMP

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

Total: 0 comment(s)