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Document Number:
400225529

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: HEIN Well Number: 30-1
 8. Unit Name (if appl): _____ Unit Number: _____
 9. Proposed Total Measured Depth: 8447

WELL LOCATION INFORMATION

10. QtrQtr: SWNW Sec: 1 Twp: 1N Rng: 67W Meridian: 6
 Latitude: 40.082732 Longitude: -104.845098
 Footage at Surface: 1739 feet FNL 1032 feet FWL
 11. Field Name: WATTENBERG Field Number: 90750
 12. Ground Elevation: 4944 13. County: WELD

14. GPS Data:
 Date of Measurement: 11/23/2010 PDOP Reading: 1.9 Instrument Operator's Name: BEN MILIUS

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: 1 Twp: 1N Rng: 67W Sec: 1 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: 1032 ft
 18. Distance to nearest property line: 760 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 767 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#: 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: 50 ft 26. Total Acres in Lease: 10

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	8,447	200	8,447	

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

33. Comments No conductor casing will be used. Operator requests omission of open hole logs. Unit Configuration T2N-R67W Sec. 1: NB-CD, JSND-NW/4NW/4; Sec. 2: NE/4NE/4; T2N-67W Sec. 35: NB-CD, JSND-SE/4SE/4; Sec. 36: SW/4SW/4

34. Location ID: 319209

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: 11/29/2011 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: 12/27/2011

API NUMBER
05 123 34872 00

Permit Number: _____ Expiration Date: 12/26/2013

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) Provide 24 hour notice of MIRU to Mike Hickey by e-mail at Mike.Hickey@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.

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

Attachment Check List

Att Doc Num	Name
400225529	FORM 2 SUBMITTED
400225537	DEVIATED DRILLING PLAN
400225538	PLAT
400225539	TOPO MAP
400225540	30 DAY NOTICE LETTER
400225541	OIL & GAS LEASE
400225542	PROPOSED SPACING UNIT
400225543	OTHER

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed. No LGD or public comment received.	12/27/2011 9:25:47 AM
Permit	Operator requests omission of open hole logs.	12/5/2011 3:23:23 PM
Permit	Okay to pass pending public comment 12/20/11.	12/5/2011 3:22:52 PM

Total: 3 comment(s)

BMP

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

Total: 0 comment(s)