

**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:  
400239567

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: HEIN      Well Number: 27-1

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

9. Proposed Total Measured Depth: 8388

**WELL LOCATION INFORMATION**

10. QtrQtr: SWNE      Sec: 1      Twp: 1N      Rng: 67W      Meridian: 6  
Latitude: 40.082105      Longitude: -104.836625

Footage at Surface:      1939 feet      FNL      1857 feet      FEL

11. Field Name: WATTENBERG      Field Number: 90750

12. Ground Elevation: 4895      13. County: WELD

14. GPS Data:  
Date of Measurement: 11/21/2011      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      1320      FEL      50      FNL      1320      FEL

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: 685 ft

18. Distance to nearest property line: 488 ft      19. Distance to nearest well permitted/completed in the same formation(BHL): 1015 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: 230

### 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	0
1ST	7+7/8	4+1/2	11.6	0	8,388	200	8,388	

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

33. Comments No conductor casing will be used. Unit Configuration NB-CD & JSND: 1N-67W Sec. 1: NW/4NE/4, NE/4NE/4: 2N-67W Sec. 36: SW/4SE/4, SE/4SE/4

34. Location ID: 326700

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: 1/13/2012 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: 2/10/2012

<b>API NUMBER</b>
05 123 35066 00

Permit Number: \_\_\_\_\_ Expiration Date: 2/9/2014

**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 COGCC inspector Mike Hickey via e-mail at Mike.Hickey@state.co.us. Indicate Spud Notice in the subject line and provide the following information: Operator Name, Well Name and Number, API #, Spud Date, Contact Name, Contact Phone #, E-mail Address.
- 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
400239567	FORM 2 SUBMITTED
400239572	DEVIATED DRILLING PLAN
400239573	PLAT
400239574	TOPO MAP
400239575	30 DAY NOTICE LETTER
400239576	OIL & GAS LEASE
400239579	PROPOSED SPACING UNIT
400239582	OTHER
400240824	DIRECTIONAL DATA

Total Attach: 9 Files

### General Comments

User Group	Comment	Comment Date
Permit	Final Review Completed. No LGD or public comment received. Right to construct is given in Mineral Lease.	2/6/2012 9:11:42 AM
Permit	Operator requests omission of open hole logs.	1/23/2012 1:39:30 PM

Total: 2 comment(s)

### BMP

Type	Comment

Total: 0 comment(s)