

**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:  
400225486

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: 22-1

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

9. Proposed Total Measured Depth: 8280

**WELL LOCATION INFORMATION**

10. QtrQtr: SWNW Sec: 1 Twp: 1N Rng: 67W Meridian: 6  
Latitude: 40.082649 Longitude: -104.845097

Footage at Surface: 1769 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

2590 FSL 1320 FWL 2590 FSL 1320 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): 1030 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	GWA
NIOBRARA CODELL	NB-CD	407	80	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: 60 ft 26. Total Acres in Lease: 118

### 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	8,280	200	8,280	

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 NB-CD: S/2NW/4, N/2SW/4; JSND: W/2.

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 34861 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.

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

- 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.

### **Attachment Check List**

Att Doc Num	Name
400225486	FORM 2 SUBMITTED
400225491	DEVIATED DRILLING PLAN
400225492	PLAT
400225493	TOPO MAP
400225494	30 DAY NOTICE LETTER
400225496	OIL & GAS LEASE
400225497	PROPOSED SPACING UNIT
400225500	OTHER
400227251	EXCEPTION LOC REQUEST
400227252	EXCEPTION LOC WAIVERS

Total Attach: 10 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Final Review Completed. No LGD or public comment received.	12/27/2011 9:11:55 AM
Permit	Okay to pass pending public comment 12/20/11.	12/5/2011 2:02:58 PM
Permit	Operator requests omission of open hole logs. Operator requests approval of a Rule 318Aa exception location: Wellhead is to be located outside of a GWA drilling window. Request and Waiver attached.	12/5/2011 2:01:37 PM
Permit	Operator input bond information. Form has passed completeness.	11/30/2011 1:48:25 PM
Permit	Returned to draft. Missing surface and minerals information.	11/29/2011 1:26:13 PM

Total: 5 comment(s)

### **BMP**

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

Total: 0 comment(s)