

**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:  
400248263

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: NORTON      Well Number: 13N-29HZ

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

9. Proposed Total Measured Depth: 11741

**WELL LOCATION INFORMATION**

10. QtrQtr: NWNW    Sec: 29    Twp: 3N    Rng: 66W    Meridian: 6  
Latitude: 40.202172      Longitude: -104.805958

Footage at Surface:      310      feet      FNL/FSL      FNL      1307      feet      FEL/FWL      FWL

11. Field Name: WATTENBERG      Field Number: 90750

12. Ground Elevation: 4896      13. County: WELD

14. GPS Data:  
Date of Measurement: 10/14/2011    PDOP Reading: 2.3    Instrument Operator's Name: OWEN MCKEE

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

623    FNL    750    FWL      460    FSL    750    FWL

Sec: 29    Twp: 3N    Rng: 66W      Sec: 29    Twp: 3N    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: 310 ft

18. Distance to nearest property line: 310 ft    19. Distance to nearest well permitted/completed in the same formation(BHL): 175 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.)
NIOBRARA	NBRR		160	W/2W/2

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: 0 ft 26. Total Acres in Lease: 6062

### 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	13+1/2	9+5/8	36.0	0	900	290	900	0
1ST	8+3/4	7	26.0	0	7,509	700	7,509	
1ST LINER	6+1/8	4+1/2	11.6	6488	11,741		11,741	

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

33. Comments No conductor casing will be used/The surface location of this well is an exception to Rule 318A.a and to Rule 318A.c. This well is not within the GWA surface location window and does not meet the twinning requirement due to the number of wells planned for this area and at the request of the surface owner. An exception location request letter and signed waivers are attached to the Form 2 and Form 2A.

34. Location ID: \_\_\_\_\_

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: \_\_\_\_\_ 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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

**API NUMBER**

05

Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

**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.

\_\_\_\_\_

### Attachment Check List

Att Doc Num	Name
400248265	DEVIATED DRILLING PLAN
400248266	PLAT
400248267	TOPO MAP
400248268	30 DAY NOTICE LETTER
400248269	SURFACE AGRMT/SURETY
400248270	OIL & GAS LEASE
400248271	EXCEPTION LOC REQUEST
400248273	PROPOSED SPACING UNIT
400248274	OTHER
400248275	EXCEPTION LOC WAIVERS
400248757	DIRECTIONAL DATA
400248758	VARIANCE REQUEST

Total Attach: 12 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	<p>1. At least seven (7) days prior to fracture stimulation, the operator is to notify all operators of non-operated wells within 300 feet of the wellbore to be fracture stimulated of the anticipated date stimulation date and the recommended best management practice to shut-in all wells within 300' of the stimulated wellbore completed in the same formation.</p> <p>2. The operator will monitor the bradenhead pressure of all wells operated by the operator within 300 feet of the well to be fracture stimulated.</p> <p>3. Bradenhead pressure gauges are to be installed 24 hours prior to stimulation. The gauges are to read at least once during every 24-hour period until 24-hours after stimulation is completed (post flowback). The gauges are to be of the type able to read current pressure and record the maximum encountered pressure in a 24-hour period. The gauge is to be reset between each 24-hour period. The pressures are to be recorded and saved. Alternate electronic measurement may be used to record the prescribed pressures.</p> <p>4. If at any time during stimulation or the 24-hour post-stimulation period, the bradenhead annulus pressure of the treatment well or offset wells increases more than 200 psig, as per Rule 341, the operator of the well being stimulated shall verbally notify the Director as soon as practicable, but no later than twenty-four (24) hours following the incident. Within fifteen (15) days after the occurrence, the operator shall submit a Sundry Notice, Form 4, giving all details, including corrective actions taken.</p>
Drilling/Completion Operations	<p>"Prior to drilling operations, Operator may perform an anti-collision review of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision review may include MWD or gyro surveys and surface locations of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well may only be drilled if the anti-collision review results indicate that the risk of collision is sufficiently low as defined by the anti-collision plan, with separation factors greater than 1.5, or if the risk of collision has been mitigated through other means including shutting in wells, plugging wells, increased drilling fluid in the event of lost returns or as is appropriate for the specific situation. In the event of an increased risk of collision, that risk will be mitigated to prevent harm to people, the environment or property. For the proposed well, upon conclusion of drilling operations, an as-constructed directional survey will be submitted to COGCC with the Form 5."</p> <p>At the time of permitting, the operator has identified the following well(s) as being within close proximity of the proposed well: HSR-SABS 4-29 HSR-PURYEAR 5-29X UPRR 42 PAN AM 1</p>

Total: 2 comment(s)