

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☐ GAS ☒ COALBED ☐ OTHER _____
SINGLE ZONE ☐ MULTIPLE ZONE ☒ COMMINGLE ZONE ☐

Refiling ☐
Sidetrack ☐

Document Number:

400018013

Plugging Bond Surety

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: Cheryl Light Phone: (720)929-6461 Fax: (720)929-7461

Email: cheryl.light@anadarko.com

7. Well Name: FREDERICK STATE Well Number: 1-36

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 8664

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 36 Twp: 2N Rng: 68W Meridian: 6

Latitude: 40.098270 Longitude: -104.951240

Footage at Surface: 1454 FNL/FSL FNL 2516 FEL/FWL FEL

11. Field Name: Spindle Field Number: 77900

12. Ground Elevation: 5014 13. County: WELD

14. GPS Data:

Date of Measurement: 10/28/2009 PDOP Reading: 2.8 Instrument Operator's Name: Chris Pearson

15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 660 FNL 660 FEL 660 FEL 660 FNL 660 FEL 660
Sec: 36 Twp: 2N Rng: 68W Sec: 36 Twp: 2N Rng: 68W

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: 1398 ft

18. Distance to nearest property line: 1398 ft 19. Distance to nearest well permitted/completed in the same formation: 933 ft

20. 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	E/2
NIOBRARA-CODELL	NB-CD	407-87	80	E/2NE
Niobrara/Codell	NBCD	407-87	80	E/2NE

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):
T2N-R68W, 6TH P.M., SEC. 36: ALL

25. Distance to Nearest Mineral Lease Line: _____ 660 ft 26. Total Acres in Lease: _____ 640

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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☒ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☒ Offsite ☐ Onsite

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	8+5/8	24	850	595	850	
1ST	7+7/8	4+1/2	11.6	8,664	200	8,664	

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

33. Comments NO CONDUCTOR CASING WILL BE USED

34. Location ID: 317628

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: Cheryl Light

Title: Senior Regulatory Analyst Date: 12/28/2009 Email: cheryl.light@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. Neslin Director of COGCC Date: 1/29/2010

API NUMBER

05 123 31093 00

Permit Number: _____ Expiration Date: 1/28/2012

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 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.

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Location outside the drilling window; exception granted

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Attachment Check List

Att Doc Num	Name	Doc Description
1769766	SURFACE CASING CHECK	LF@2213943 1769766.00000
400018017	WELL LOCATION PLAT	LF@2208572 400018017
400018018	TOPO MAP	LF@2208573 400018018
400018019	MULTI-WELL PLAN	LF@2208574 400018019
400018246	DRILLING PLAN	LF@2208575 400018246
400024977	30 DAY NOTICE LETTER	LF@2208576 400024977
400024978	SURFACE AGRMT/SURETY	LF@2208577 400024978
400024979	EXCEPTION LOC WAIVERS	LF@2208578 400024979
400024980	30 DAY NOTICE LETTER	LF@2208579 400024980
400024983	FORM 2 SUBMITTED	LF@2208580 400024983

Total Attach: 10 Files