

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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Document Number:

400180701

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: NORTHGLENN STATE Well Number: 24-36
8. Unit Name (if appl): _____ Unit Number: _____
9. Proposed Total Measured Depth: 8729

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 36 Twp: 1N Rng: 68W Meridian: 6
Latitude: 40.004067 Longitude: -104.951438

			FNL/FSL		FEL/FWL
Footage at Surface:	1359	feet	FSL	2491	feet FEL

11. Field Name: WATTENBERG Field Number: 90750
12. Ground Elevation: 5120 13. County: WELD

- #### 14. GPS Data:

Date of Measurement: 04/14/2011 PDOP Reading: 1.9 Instrument Operator's Name: OWEN McKEE

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

Footage at Top of Prod Zone:				Bottom Hole:			
FNL/FSL		FEL/FWL		FNL/FSL		FEL/FWL	
2590	FSL	1380	FEL	2590	FSL	1380	FEL
Sec: 36	Twp: 1N	Rng: 68W		Sec: 36	Twp: 1N	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: 229 ft

18. Distance to nearest property line: 2 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1238 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	160	GWA

21. Mineral Ownership: ☐ Fee ☒ State ☐ Federal ☐ Indian Lease #: 70/8571-S

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: 1380 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 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	1,000	700	1,000	0
1ST	7+7/8	4+1/2	11.6	0	8,729	200	8,729	

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

33. Comments No conductor casing will be used. No open hole logs will be run on this well. Operator requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Request and waivers attached. Unit Configuration NB-CD: S/2NE/4, N/2SE/4; JSND: E/2

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: 9/12/2011 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: 10/5/2011

API NUMBER

05 123 34463 00

Permit Number: _____ Expiration Date: 10/4/2013

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 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 Sussex 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
400180701	FORM 2 SUBMITTED
400180731	DEVIATED DRILLING PLAN
400180733	PLAT
400180734	TOPO MAP
400180735	30 DAY NOTICE LETTER
400180737	LEGAL/LEASE DESCRIPTION
400180738	PROPOSED SPACING UNIT
400204729	WAIVERS
400204730	WAIVERS
400204731	OTHER
400204732	EXCEPTION LOC REQUEST
400204733	VARIANCE REQUEST

Total Attach: 12 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	changed state lease number, added "No open hole logs will be run on this well." to operator comments per operator.	9/21/2011 3:58:24 PM
Permit	Operator requests approval of a Rule 603.a.(2) exception location: Wellhead is to be located less than 150' from a property line. Request letter and waivers attached.	9/21/2011 1:55:49 PM
Permit	Operator requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Request and waivers attached.	9/21/2011 1:55:48 PM

Total: 3 comment(s)

BMP

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

Total: 0 comment(s)