

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:

400217814

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: WEISS Well Number: 29N-33HZ

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

9. Proposed Total Measured Depth: 11758

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 33 Twp: 3N Rng: 66W Meridian: 6

Latitude: 40.176157

Longitude: -104.789531

			FNL/FSL		FEL/FWL
Footage at Surface:	712	feet	FSL	586	feet
					FWL

- | | |
|----------------------------|---------------------|
| 11. Field Name: WATTENBERG | Field Number: 90750 |
|----------------------------|---------------------|

12. Ground Elevation: 4914 13. County: WELD

- #### 14. GPS Data:

Date of Measurement: 08/05/2011 PDOP Reading: 2.2 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						
<u>797</u>		<u>FSL</u>		<u>1107</u>		<u>FWL</u>		<u>460</u>		<u>FNL</u>		<u>1220</u>		<u>FWL</u>			
Sec:	33	Twp:	3N	Rng:	66W	Sec:	33	Twp:	3N	Rng:	66W	Sec:	33	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: 546 ft

18. Distance to nearest property line: 350 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 560 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.)
NIOBRARA	NBRR		320	W/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: 460 ft

26. Total Acres in Lease: 5719

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	9+5/8	36.0	0	700	350	700	0
1ST	8+3/4	7	26.0	0	7,563	740	7,563	
1ST LINER	6+1/8	4+1/2	11.6	6495	11,758			

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

33. Comments No conductor casing will be used. Wells within 150' of Weiss 13-33HZ Pad (all wells listed below are operated by Kerr McGee Oil and Gas Onshore LP) Weiss 4N-33HZ• HSR-PAUL SCHMIDT 12-33• HSR-SCHMIDT 13-33A Weiss 29N-33HZ• HSR-SCHMIDT 13-33A• MILLER 22-33WEISS 3N-33HZ• HSR-SCHMIDT 13-33A• MILLER 6-33A• HSR-HOSTEK 14-33• WEISS 11-33WEISS 31N-33HZ• HSR-SCHMIDT 13-33AWEISS 29C-33HZ• HSR-SCHMIDT 13-33A• UPRR 22 PAN AM GU "M"2• UPRR 22 PAN AM "B"1

34. Location ID: 333181

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: 10/28/2011 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. Neslin

Director of COGCC Date: 1/6/2012

API NUMBER

05 123 34913 00

Permit Number: _____ Expiration Date: 1/5/2014

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 Jim Precup via e-mail at jim.precup@state.co.us.
- 2)Comply with Rule 317.i and provide cement coverage from the end of the production casing to a minimum of 200' above the Niobrara and from 200' below Sussex to 200' above Sussex. Verify coverage with a cement bond log.
- 3)Comply with Rule 321. Run and submit Directional Survey from the end of production casing 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
2113170	WELL LOCATION PLAT
2113171	TOPO MAP
2113172	DEVIATED DRILLING PLAN
2481270	SURFACE CASING CHECK
400217814	FORM 2 SUBMITTED
400217818	PLAT
400217819	TOPO MAP
400217820	30 DAY NOTICE LETTER
400217821	SURFACE AGRMT/SURETY
400217822	OIL & GAS LEASE
400217823	PROPOSED SPACING UNIT
400219277	OTHER
400220145	DEVIATED DRILLING PLAN

Total Attach: 13 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Added BMP's and wells within 150' as directed by opr e-mail. Final review complete.	1/3/2012 3:38:14 PM
Permit	E-mailed opr for identification of wells less that 150' from well bore and associated BMP.	12/23/2011 1:22:25 PM
Permit	Received & uploaded new plat, topo, and dev. drilling plan.	12/12/2011 10:50:25 AM
Permit	E-mailed Oper regarding status of new plat and DS	12/7/2011 1:51:59 PM
Permit	Requested update from opr on status of plat and DS. They are still wiating for DS.	11/29/2011 3:06:18 PM
Permit	On hold at opr request for new plat, DS due to a rig with larger spacing area.	11/21/2011 1:54:24 PM
Permit	Ready to pass pending public comment 11/23/11	11/7/2011 10:58:58 AM
Permit	Operator corrected deviated drill plan attachment. Form has passed completeness.	11/2/2011 9:21:52 AM
Permit	Returned to draft. Missing plan and side view plots for the deviated drilling plan attachment.	10/31/2011 7:24:20 AM

Total: 9 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. Data shall be kept for a period of one year.</p> <p>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>Anti-Collision BMP</p> <p>"Prior to drilling operations, Operator will 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 will 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>

Total: 2 comment(s)