

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:
400092996
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: MOSER Well Number: 36-4

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

9. Proposed Total Measured Depth: 8214

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 4 Twp: 2N Rng: 65W Meridian: 6
Latitude: 40.166643 Longitude: -104.669312

Footage at Surface: 2232 FNL/FSL FSL 2476 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4859 13. County: WELD

14. GPS Data:

Date of Measurement: 06/21/2010 PDOP Reading: 2.4 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 _____ FEL/FWL _____ Bottom Hole: FNL/FSL _____ FEL/FWL _____
50 FSL 2630 FEL 50 FSL 2630 FEL
Sec: 4 Twp: 2N Rng: 65W Sec: 4 Twp: 2N Rng: 65W

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: 2232 ft

18. Distance to nearest property line: 171 ft 19. Distance to nearest well permitted/completed in the same formation: 649 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		160	GWA
NIOBRARA-CODELL	NB-CD	407	160	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#: _____

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 Bon \$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):
SEE ATTACHED OIL AND GAS LEASE

25. Distance to Nearest Mineral Lease Line: 50 ft 26. Total Acres in Lease: 800

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	700	490	700	
1ST	7+7/8	4+1/2	11.6	8,214	200	8,214	
1ST LINER							

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

33. Comments NO CONDUCTOR CASING WILL BE USED/NIOBRARA-CODELL AND JSAND SPACING: SECTION 4: SW/4SE/4, SE/4SW/4; SECTION 9: NE/4NW/4, NW/4NE/4. Kerr Mcgee requests approval of Rule 318Aa exception location: Wellhead is to be located outside of a GWA drilling window. Waiver attached. The bottom hole for this well will be in the SE/4 since eight completions exist in the SW/4. Per Cheryl Light.

34. Location ID: 318133

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: SEN. REGULATORY ANALYST Date: 9/28/2010 Email: DJREGULATORY@ANADARK

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: 10/22/2010

API NUMBER 05 123 32413 00	Permit Number: _____	Expiration Date: <u>10/21/2012</u>
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) Set at least 740' of surface casing per Rule 317A, cement to surface.
- 3) 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.
- 4) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with set back requirements in commission orders or rules prior to producing the well.

Attachment Check List

Att Doc Num	Name	Doc Description
2529762	WELL LOCATION PLAT	LF@2603941 2529762
2529783	DEVIATED DRILLING PLAN	LF@2604183 2529783
400092996	FORM 2 SUBMITTED	LF@2570316 400092996
400093002	WELL LOCATION PLAT	LF@2570317 400093002
400093003	TOPO MAP	LF@2570318 400093003
400093004	OIL & GAS LEASE	LF@2570320 400093004
400093005	SURFACE AGRMT/SURETY	LF@2570321 400093005
400093006	30 DAY NOTICE LETTER	LF@2570322 400093006
400093007	DEVIATED DRILLING PLAN	LF@2570323 400093007
400093008	EXCEPTION LOC WAIVERS	LF@2570324 400093008
400093009	EXCEPTION LOC REQUEST	LF@2570325 400093009
400093010	PROPOSED SPACING UNIT	LF@2570326 400093010

Total Attach: 12 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Updated with new directional survey.	10/19/2010 10:55:01 AM
Permit	On Hold Need new directional survey. Recieved new plat.	10/19/2010 5:43:08 AM
Permit	Well location is suppose to be in the SE/4 as reflected by the survey plat.	10/12/2010 5:37:37 AM
Permit	On Hold Bottomhole is suppose to be in SE/4 but the directional puts BHL in the SW/4.	10/8/2010 6:38:28 AM

Total: 4 comment(s)

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