

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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Document Number:
400031969
Plugging Bond Surety
20010124

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

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: BERNHARDT Well Number: 29-1

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

9. Proposed Total Measured Depth: 8116

WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 1 Twp: 4N Rng: 67W Meridian: 6
Latitude: 40.345280 Longitude: -104.841340

Footage at Surface: _____ FNL/FSL _____ FEL/FWL _____
1287 FNL 1985 FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4826 13. County: WELD

14. GPS Data:

Date of Measurement: 08/26/2009 PDOP Reading: 2.1 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 _____
75 FNL 1330 FWL 75 FNL 1330 FWL
Sec: 1 Twp: 4N Rng: 67W Sec: 1 Twp: 4N Rng: 67W

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: 1995 ft

18. Distance to nearest property line: 1303 ft 19. Distance to nearest well permitted/completed in the same formation: 796 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 Unit Configuration: JSND & NB-CD T4N-R67W Sec 1 N2NW4; T5N-R67W Sec 36 S2SW4

25. Distance to Nearest Mineral Lease Line: 75 ft 26. Total Acres in Lease: 5758

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	8,116	200	8,116	

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

33. Comments No conductor casing will be used. Location is outside the drilling window and is more than 50 feet from an existing well. exceptions granted. Proposed spacing unit is N/2NW4 SEC 1 4N/67W; S/2SW4 SEC 36 5N/67W

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: Cheryl Light

Title: Senior Regulatory Analyst Date: 1/28/2010 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: 3/11/2010

API NUMBER 05 123 31280 00	Permit Number: _____	Expiration Date: <u>3/9/2012</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 Bo Brown at 970-330-6085 or e-mail at bo.brown@state.co.us. 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. 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.

Location is outside the drilling window and is more than 50 feet from an existing well. exceptions granted

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Attachment Check List

Att Doc Num	Name	Doc Description
1760495	30 DAY NOTICE LETTER	LF@2431279 1760495
1769991	SURFACE CASING CHECK	LF@2422416 1769991
400031972	MULTI-WELL PLAN	LF@2396343 400031972
400031973	DRILLING PLAN	LF@2396344 400031973
400031974	WELL LOCATION PLAT	LF@2396345 400031974
400031975	PROPOSED SPACING UNIT	LF@2396346 400031975
400031976	TOPO MAP	LF@2396347 400031976
400031977	WAIVERS	LF@2396348 400031977
400031978	30 DAY NOTICE LETTER	LF@2396349 400031978
400031979	OIL & GAS LEASE	LF@2396350 400031979
400031981	SURFACE AGRMT/SURETY	LF@2396351 400031981
400033318	FORM 2 SUBMITTED	LF@2396352 400033318

Total Attach: 12 Files