

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:

400082008

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: WILDFLOWER Well Number: 23-27

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

9. Proposed Total Measured Depth: 8679

WELL LOCATION INFORMATION

10. QtrQtr: NESE Sec: 27 Twp: 2N Rng: 68W Meridian: 6

Latitude: 40.107660 Longitude: -104.982320

Footage at Surface: 1963 FNL/FSL FSL 687 FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4970 13. County: WELD

14. GPS Data:

Date of Measurement: 12/11/2009 PDOP Reading: 2.1 Instrument Operator's Name: TRAVIS KRAICH

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

Footage at Top of Prod Zone: FNL/FSL 1300 FSL 2640 FEL 1300 FEL/FWL 2640 FEL
Sec: 27 Twp: 2N Rng: 68W Sec: 27 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: 260 ft

18. Distance to nearest property line: 490 ft 19. Distance to nearest well permitted/completed in the same formation: 1302 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	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 & GAS LEASE

25. Distance to Nearest Mineral Lease Line: _____ 6 ft 26. Total Acres in Lease: _____ 160

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	525	850	0
1ST	7+7/8	4+1/2	11.6	8,679	200	8,679	

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

33. Comments NO CONDUCTOR CASING WILL BE USED. Proposed GWA Unit Configuration for NBCD: E2SW; W/2SE ; Proposed GWA Unit Configuration for JSND: S/2 ;

34. Location ID: _____ 318508

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: SR. REGULATORY ANALYST Date: 8/6/2010 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: 9/8/2010

API NUMBER

05 123 32177 00

Permit Number: _____ Expiration Date: 9/7/2012

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) Note surface casing setting depth change from 750' to 850'. Increase cement coverage accordingly and cement to surface.
- 2) Provide 24 hour notice of MIRU to Jim Precup at 303-469-1902 or e-mail at james.precup@state.co.us
- 3) 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.
- 4) 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.

Attachment Check List

Att Doc Num	Name	Doc Description
400082008	FORM 2 SUBMITTED	LF@2520347 400082008
400082015	WELL LOCATION PLAT	LF@2520348 400082015
400082016	TOPO MAP	LF@2520349 400082016
400082017	OIL & GAS LEASE	LF@2520350 400082017
400082018	SURFACE AGRMT/SURETY	LF@2520351 400082018
400082021	30 DAY NOTICE LETTER	LF@2520352 400082021
400082022	DEVIATED DRILLING PLAN	LF@2520353 400082022
400082023	MULTI-WELL PLAN	LF@2520354 400082023
400082172	PROPOSED SPACING UNIT	LF@2520355 400082172

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Per Cheryl Light, Change JSND unit acreage from 160 to 320 and change JSND unit configuraiton from (E/2SW; W/2SE) to S2.	9/7/2010 1:38:12 PM
Permit	ON HOLD. J-Sand is proposed for a 160 acre GWA unit, however the J-Sand is configured to the S2. Because the productive interval is more than 460' from the unit boundary, the unit for this well must conform to the existing unit. Requested to change the unit acreage from 160 to 320 and the unit configuration from (E/2SW; W/2SE) to S2 for J-sand. PVG	9/1/2010 9:35:58 AM
Permit	Per Cheryl Light, change field designation from Spindle to Wattenberg. PVG	9/1/2010 9:33:37 AM

Total: 3 comment(s)

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