

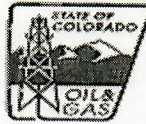


FOR OGCC USE ONLY

FORM
2
Rev 8/04State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109

APPLICATION FOR PERMIT TO:



RECEIVED

OCT 20 04

COGCC
Plugging Bond Surety ID#
200101241. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and OperateRefilling
Sidetrack

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER: _____SINGLE ZONE ☒ MULTIPLE ZONES ☐ COMMINGLE ZONES ☐

3. OGCC Operator Number: 47120

4. Name of Operator: Kerr-McGee Rocky Mountain Corporation

5. Address: 1999 Broadway, Suite 3600

City: Denver State: CO Zip: 80202

6. Contact Name: Cheryl Light Phone: 303-296-3600 Fax: 303-296-3601

7. Well Name: CROISSANT

Well Number: 1-11

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

9. Proposed Total Depth: 8112'

Complete the
Attachment Checklist

OP OGCC

APD Orig & 1 Copy

Form 2A

Well location plat

Topo map

Mineral lease map

Surface agrmt/Surety

30 Day notice letter

Deviated Drilling Plan

Exception Loc Request

Exception Loc Waivers

H2S Contingency Plan

Federal Drilling Permit

WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 11 Twp: 1N Rng: 66W Meridian: 6th P.M.

Footage from Exterior Section Lines:

At Surface: 475' FNL & 660' FEL

470' FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 5075 5080' 13. County: Weld

14. If well is: ☐ Directional ☐ Horizontal (highly deviated), submit deviated drilling plan.

Footage from Exterior Section Lines and Sec Twp Rng:

At Top of Production Zone: same At Bottom Hole: same

15. Is location in a high density area (Rule 603b)? ☐ Yes ☒ No

16. Distance to the nearest building, public road, above ground utility or railroad:

475' 470' ✓

17. Distance to Nearest Property Line: 475' ✓ 18. Distance to nearest well completed in the same formation: 2100' ✓

19. 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	E/2 ✓

20. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

Lease # _____

21. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian22. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No

Surface Surety ID#

20010125

If No: ☐ Surface Owners Agreement Attached or ☒ \$25,000 Blanket Surface Bond ☐ \$2,000 Surface Bond ☐ \$5,000 Surface Bond

23. Describe lease area associated only with the proposed well by QtrQtr, Sec, Twp, Rng (attach separate sheet/map if required):

SEE ATTACHED OIL & GAS LEASE - NE 1/4 Sec 11 IN 67W

24. Distance to Nearest Lease Line: 475' 25. Total Acres in Lease: 5737.42

DRILLING PLANS AND PROCEDURES

26. Is H2S anticipated? ☐ Yes ☒ No If Yes, attach contingency plan.27. Will salt sections be encountered during drilling? ☐ Yes ☒ No

28. Will salt (>15,000 ppm TDS Cl) or oil based muds be used during drilling?

☐ Yes☒ No

29. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)?

☐ Yes☒ No

"Based on the information provided herein, this application for Permit-to-Drill complies with COGCC rules and applicable orders and is hereby approved."

30. 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.

String	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
Surface	12-1/4"	8-5/8"	24#	1130 220'	154 +	1130 220'	Surface
Production	7-7/8"	4-1/2"	11.6#	8112'	200	8112'	
Liner	NA						

31. BOP Equipment Type: ☐ Annular Preventor ☒ Double Ram ☐ Rotating Head ☐ None

32. Comments: Drilling to earn lease from Anadarko, subject to existing exploratory agreement

33. Rule 306 Consultation has taken place or is not required. Provide supporting documentation if consultation has been waived or good faith effort did not result in consultation.

I hereby certify that a complete permit package has been sent to the applicable county and all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Joseph Lorenzo

Title: Landman Date: 10-19-04

Based on the information provided herein, this application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

OGCC Approved: _____ Director of COGCC

Date: 11/19/04

Permit Number: 20042593

Expiration Date: 11/18/05

API NUMBER

CONDITIONS OF APPROVAL, IF ANY:

05- 123-22575-00

1) Provide 24 hour notice of MIRU to Ed Binkley at 970-506-9834 or e-mail at ed.binkley@state.co.us 2) Set at least 1130' 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.

LOCATION: NE1/4 OF NE1/4 OF SEC. 11, T.1N., R.66W. (475 NSL, 660 ESL)

Ground Elevation: 5080

Number of Acres: 0

AQUIFER	ELEVATION		NET SAND	DEPTH TO		ANNUAL APPROP A-F	STATUS
	BOT.	TOP		BOT.	TOP		
UPPER DAWSON	----	----	----	----	----	----	---
LOWER DAWSON	----	----	----	----	----	----	---
DENVER	----	----	----	----	----	----	---
UPPER ARAPAHOE	----	----	----	----	----	----	---
LOWER ARAPAHOE	4750	4929	83.2	330	151	0.00	NNT
LARAMIE-FOX HILLS	4003	4297	159.1	1077	783	0.00	NT

note: E indicates location is at aquifer boundary and values
may be more approximate.



Well name and number:

Croissant 1-11

A

Survey Plat Check list

NENE 11-1N-66W

number	Item	
	8-1/2" x 11" scaled drawing of the entire section	✓
1	Dimensions on adjacent exterior section lines sufficient to completely describe the quarter section containing the proposed well shall be indicated	✓
1a	If dimensions are not field measured, state how the dimensions were determined	✓
2	For directional drilling into an adjacent section, that section shall also be shown on the location plat and dimensions on exterior section lines sufficient to completely describe the quarter section containing the proposed productive interval and bottom hole location shall be indicated.	N/A
3	For irregular, partial or truncated sections, dimensions will be furnished to completely describe the entire section containing the proposed well.	N/A
4	The field-measured distances from the nearer north/south and nearer east/west section lines shall be measured at ninety (90) degrees from said section lines to the well location and referenced on the plat.	✓
4.1*	For unsurveyed land grants and other areas where an official public land survey system does not exist the well locations shall be spotted as footages on a protracted section plat using Global Positioning System (GPS) technology and also reported as latitude and longitude in accordance with the requirements set forth below: in 4A, 4B, 4C	N/A
4A*	All GPS data reported to the Commission shall be differentially corrected using base station data or other correction sources. The base station or other correction source shall be identified and reported with the coordinate values.	✓
4B*	Coordinates shall be reported as latitude and longitude in decimal degrees to an accuracy of at least five (5) decimal places (e.g.; latitude 37.12345 N, longitude 104.45632 W).	✓
4C*	All data shall be referenced to the North American Datum (NAD) of 1927.	✓
4D	The date of the survey shall be reported.	✓
5	A map legend	✓
6	A North Arrow	✓
7	A scale expressed as an equivalent (e.g. 1" = 1000').	✓
8	A bar scale.	✓
9	The ground elevation.	✓
10	The basis of the elevation (how it was calculated or its source).	✓
11	The basis of bearing or interior angles used.	✓
12	Complete description of monuments and/or collateral evidence found; all aliquot corners used shall be described.	✓
13	The legal land description by section, township, range, principal meridian, baseline and county.	✓
14	Operator name	✓
15	Well name and number	✓
16	Date of completion of scaled drawing	✓
17a	All visible improvements within two hundred (200) feet of a wellhead (or, in a high density area within four hundred (400) feet of a wellhead) shall be physically tied in and plotted on the well location plat or on an addendum, with a horizontal distance and approximate bearing from the well location.	✓
17b	Visible improvements shall include, but not be limited to, all buildings, publicly maintained roads and trails, major above-ground utility lines, railroads, pipelines, mines, oil wells, gas wells, injection wells, water wells, visible plugged wells, sewers with manholes, standing bodies of water, and natural channels including permanent canals and ditches through which water flows.	✓
17c	If there are no visible improvements within two hundred (200) feet of a wellhead (or in a high density area within four hundred (400) feet of a wellhead), it shall be so noted on the Permit-to-Drill, Form 2.	✓
18	Surface use shall be described within the two hundred (200) foot radius of a wellhead (or in a high density area within the four hundred (400) foot radius of a wellhead).	✓

* Only required for unsurveyed land grants and other areas where an official public land survey system does not exist.

The survey plat you submitted with your permit was found to be in non-compliance with COGCC rule 303c. See above checklist. If a survey plat is not in compliance with rule 303c the operator will be notified and the permit will be placed on hold until an adequate replacement is supplied to the COGCC.

Elaine A