

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

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



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Date Received:

07/02/2013

PluggingBond SuretyID

20120105

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: CARRIZO NIOBRARA LLC 4. COGCC Operator Number: 10439

5. Address: 500 DALLAS STREET #2300
City: HOUSTON State: TX Zip: 77002

6. Contact Name: Cynthia Pinel Phone: (713)358-6210 Fax: (713)328-1060
Email: cynthia.pinel@crzo.net

7. Well Name: Konig Well Number: 2-31-11-59

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

9. Proposed Total Measured Depth: 11377

WELL LOCATION INFORMATION

10. QtrQtr: Lot 4 Sec: 31 Twp: 11N Rng: 59W Meridian: 6

Latitude: 40.873720 Longitude: -104.027170

Footage at Surface: 710 feet FSL 675 feet FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5432 13. County: WELD

14. GPS Data:

Date of Measurement: 06/19/2013 PDOP Reading: 2.0 Instrument Operator's Name: Marc Woodard

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 _____
600 FSL 600 FWL 600 FNL 600 FWL
Sec: 31 Twp: 11N Rng: 59W Sec: 31 Twp: 11N Rng: 59W

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: 580 ft

18. Distance to nearest property line: 675 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1686 ft

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	535-353	640	ALL

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):

Township 11 North, Range 59W of the 6th P.M., Section 31: All, Less and except a 10 acre tract described in Book 521 Page 88 and a 1 acre tract described in book 768 page 555 of the Weld County Records

25. Distance to Nearest Mineral Lease Line: 600 ft 26. Total Acres in Lease: 629

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
CONDUCTOR	16	15+1/4	65	0	60	6	60	0
SURF	12+1/4	9+5/8	36	0	1400	534	1400	0
1ST	8+3/4	7	23	0	6825	642	6825	1400
1ST LINER	6+1/4	4+1/2	11.6	6058	11377			

32. BOP Equipment Type: Annular Preventer Double Ram Rotating Head None
33. Comments Spacing hearing set for Sept. 16, 2013 Swell Packer will be set beyond 600' from section line to keep wellbore from 7" casing shoe to Swell Packer unproduced.

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: Tina Taylor
Title: Regulatory Compliance Date: 7/2/2013 Email: tina.taylor@crzo.net

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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:  Director of COGCC Date: 10/4/2013

API NUMBER
05 123 38240 00

Permit Number: _____ Expiration Date: 10/3/2015

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.

Description

- 1) Provide 48 hour notice prior to spud via electronic Form 42.
- 2) Provide cement coverage to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) 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.

On Hold - Wells within 1500' of the proposed directional plan lack adequate formation isolation:
 Ehmke #1, 123-05797, (lacks aquifer and Niobrara isolation)
 Emailed operator rep (tina.taylor@crzo.net).

Operator acknowledges the proximity of the following wells: Ehmke #1, 123-05797. Operator agrees to: provide mitigation option 1, 2 or 3 (per the DJ Basin Horizontal Offset Policy) to mitigate the situation, ensure all applicable documentation is submitted based on the selected mitigation option chosen, and submit a Form 42 ("OTHER – AS SPECIFIED BY PERMIT CONDITION") stating what appropriate mitigation occurred and that it has been completed, prior to the hydraulic stimulation of this well.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
2157246	WELL LOCATION PLAT
2157247	DEVIATED DRILLING PLAN
2157248	OFFSET WELL EVALUATION
400440277	FORM 2 SUBMITTED
400487455	DIRECTIONAL DATA

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
Permit	Corrected Operator contact name. No LGD or public comments. Final Review--passed.	10/3/2013 7:22:09 AM
Engineer	On operator submitted offset well evaluation has the comment regarding the Ehmke #1, 123-05797: Re-enter the well and plug to provide adequate protection. Removed Hold.	10/2/2013 10:47:19 AM
Permit	Per oper. casing/cement info now correct. Oper. corrected dist. to min. lease Oper. corrected dist. to nearest well permitted.	10/1/2013 7:40:06 AM
Permit	Oper. submitted new well location plat, dir. template, dev. drlg. plan and offset well evaluation. Req'd. new distances to nearest well permitted, min. lease, casing info. New well plan establishes 600' setback from unit boundary per Order 535-353 for approval of APD prior to new order approval. Entered Spacing Order 535-353. Changed swell packer distance from 300' to 600' from section line.	9/30/2013 7:43:35 AM
Permit	Order 535-410 conditionally approved. If no protest rec'd by 10/12/2013, order granted.	9/26/2013 10:04:42 AM
Permit	Per operator this section is going to be spaced in the September hearing.	7/15/2013 2:02:57 PM
Permit	Requested information from operator regarding 100' setbacks. Order 535-353 states 600' setbacks.	7/12/2013 12:30:14 PM
Permit	Operator made correction. This form has passed completeness.	7/5/2013 8:36:53 AM
Permit	Returned to draft; Distance to the west line should be 600 feet according to survey plat.	7/3/2013 9:04:58 AM

Total: 9 comment(s)

Best Management Practices

No	BMP/COA Type	Description
1	Planning	Fresh water for the Fresh Water Storage Pit comes from water provider; water sources permitted for consumable industrial use. Fresh Water Storage Pit shall contain fresh water only and signage prohibiting the use of the pit for any fluid that does not come from municipal, irrigation or surface water source. Operator will participate in the Colorado Oil & Gas Association Voluntary Baseline Groundwater Quality Sampling Program. Operator will implement interim reclamation measures immediately after construction of the location to stabilize cut and fill slopes, stabilize the topsoil and spoil stockpiles, establish desirable vegetation and control weeds on the location. A Form 15 Pit Report will be submitted within 30 days of construction of the fresh water storage pit.
2	Pre-Construction	The COGCC to be notified 48 hours prior to construction of the Fresh Water Storage Pit.
3	Storm Water/Erosion Control	Operator has designed the well pad with insloping and a storm water control ditch to prevent storm water run-on/runoff and the release of fluids from the location. See attached Construction Layout Drawing.
4	Material Handling and Spill Prevention	Operator will ensure 110 percent secondary containment for any volume of fluids contained at the well site during drilling and completion. Operator will implement best management practices to contain any unintentional release of fluids. Operator shall not allow any fluids to flow back to the Fresh Water Storage Pit/Pond.
5	Construction	The location will be fenced and the fenced area will include the Fresh Water Storage Pit.

Total: 5 comment(s)