

APPLICATION FOR PERMIT TO:

1. **Drill,** Deepen, Re-enter, Recomplete and Operate

2. TYPE OF WELL

OIL GAS COALBED OTHER LATERAL HOLE
SINGLE ZONE MULTIPLE COMMINGLE

Refiling
Sidetrack

Document Number:
400171023
PluggingBond SuretyID
20100108

3. Name of Operator: CARRIZO OIL & GAS INC 4. COGCC Operator Number: 10338
5. Address: 1000 LOUISIANA STREET #1500
City: HOUSTON State: TX Zip: 77002
6. Contact Name: KIMBERLY LONG Phone: (713)328-1000 Fax: (713)328-1060
Email: kimberly.long@crzo.net
7. Well Name: BRINGELSON RANCH Well Number: 34-11-9-58
8. Unit Name (if appl): WILDCAT Unit Number: 99999
9. Proposed Total Measured Depth: 4811

WELL LOCATION INFORMATION

10. QtrQtr: NW NW Sec: 34 Twp: 9N Rng: 58W Meridian: 6
Latitude: 40.714230 Longitude: -103.857640
Footage at Surface: 240 feet FNL 463 feet FWL
11. Field Name: WILDCAT Field Number: 99999
12. Ground Elevation: 9946 13. County: WELD

14. GPS Data:
Date of Measurement: 05/26/2011 PDOP Reading: 2.1 Instrument Operator's Name: GEORGE ALLEN

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
782 FNL 650 FWL 870 FSL 1890 FWL
Sec: 34 Twp: 9N Rng: 58W Sec: 34 Twp: 9N Rng: 58W

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: 240 ft
18. Distance to nearest property line: 240 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 2300 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	535-70	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):

T9N R58W - SECTION 34: N/2

25. Distance to Nearest Mineral Lease Line: 240 ft 26. Total Acres in Lease: 1040

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: Landfarm/Evaporation

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
SURF	12+1/4	9+5/8	36	0	1,400	534	1,400	0
1ST	8+3/4	7	23	1400	6,091	567	6,091	1,400
1ST LINER	6+1/8	4+1/2	11.6	5091	9,946	340	9,946	5,091

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

33. Comments NO CONDUCTOR CASING WILL BE SET. ALL FOOTAGES 5280' ARE ONE MILE OR GREATER.

34. Location ID: 425474

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: KIMBERLY LONG

Title: COMPLIANCE SPECIALIST Date: 6/2/2011 Email: kimberly.long@crzo.net

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: 9/22/2011

API NUMBER
05 123 34405 01

Permit Number: _____ Expiration Date: 9/21/2013

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 Colby Horton at 970-467-2517 or e-mail at colby.horton@state.co.us.
- 2) Provide cement coverage from base of intermediate casing 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.

Attachment Check List

Att Doc Num	Name
2568282	SURFACE CASING CHECK
400171023	FORM 2 SUBMITTED
400171041	WELL LOCATION PLAT
400171042	DEVIATED DRILLING PLAN

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	BHL is 330 feet form a d sand producing well.	9/22/2011 1:27:27 PM
Permit	This is a pilot/lateral drilling plan. The permits will be on hold pending the completion of the 20 day public comment period at which time they will be approved together to maintain proper API number designations.	3/6/2011 6:32:35 AM

Total: 2 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
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.
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.
Site Specific	Fresh water for the Fresh Water Storage Pit comes from water provider; water sources permitted for consumable industrial use.
Material Handling and Spill Prevention	Operator shall not allow any fluids to flow back to the Fresh Water Storage Pit.
Site Specific	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.
Construction	The location will be fenced and the fenced area will include the Fresh Water Storage Pit.
Pre-Construction	The COGCC to be notified 48 hours prior to construction of the Fresh Water Storage Pit.

Total: 7 comment(s)