

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



Document Number:

400341721

Date Received:

11/02/2012

PluggingBond SuretyID

20100108

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 OIL & GAS INC

4. COGCC Operator Number: 10338

5. Address: 500 DALLAS STREET #2300

City: HOUSTON State: TX Zip: 77002

6. Contact Name: Tina Taylor Phone: (713)328-1000 Fax: (713)328-1060

Email: tina.taylor@crzo.net

7. Well Name: Bringelson Ranch Well Number: 4-34-9-58

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

9. Proposed Total Measured Depth: 9844

WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 34 Twp: 9N Rng: 58W Meridian: 6

Latitude: 40.714160 Longitude: -103.845020

Footage at Surface: 297 feet FNL 1301 feet FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4732 13. County: WELD

14. GPS Data:

Date of Measurement: 12/03/2012 PDOP Reading: 2.3 Instrument Operator's Name: Marc Woodard

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

Footage at Top of Prod Zone: 650 FNL 2249 FWL Bottom Hole: 1110 FSL 2185 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: 327 ft

18. Distance to nearest property line: 297 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 530 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.)
Niobrara	NBRR	535-220	640	N2

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 9 North Range 58 West 6th P.M. Section 34: N2

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 320

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
SURF	12+1/4	9+5/8	36	0	1,400	534	1,400	0
1ST	8+3/4	7	23	0	6,068	584	6,068	1,400
1ST LINER	6+1/4	4+1/2	11.6	5400	9,844			

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

33. Comments No conductor casing will be set. Swell Packer will be set across 600' from section line to keep wellbore from 7" casing shoe to Swell Packer unproduced. November 15, 2012 spacing hearing.

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: Tina Taylor

Title: Regulatory Compliance Date: 11/2/2012 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: Matthew Lee Director of COGCC Date: 12/5/2012

API NUMBER: 05 123 36389 00 Permit Number: _____ Expiration Date: 12/4/2014

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 48 hour notice prior to spud via electronic Form 42.
- 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.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
2233160	WELL LOCATION PLAT
2233161	DEVIATED DRILLING PLAN
400341721	FORM 2 SUBMITTED
400342885	SURFACE AGRMT/SURETY
400354146	DIRECTIONAL DATA

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
Permit	Final Review Completed. No LGD or public comment received.	12/5/2012 2:49:29 PM
Permit	Horizontal wellbore crosses lease line. Distance to nearest lease line is 0 feet, distance to nearest unit/pooling boundary is 650 feet.	12/5/2012 2:49:27 PM
Engineer	Operator provided new directional plan, template and plat to honor the 500' set back. Made requested changes: Line 9 9844' Line 14 12/3/12 PDOP 2.3 Oper. Marc Woodard Line 15 TOP 650' FNL 2249' FWL BHL 1110' FSL 2185' FWL Line 17 Line 19 657'	12/3/2012 2:11:50 PM
Engineer	Notified operator of an active well within 500' of the proposed directional plan (I measure 360'), that does not have adequate Niobrara isolation. The well is the Lilli Unit 14-34, API#123-14033, located in SESW 34-9N-58W operated by Noble Energy. There is an approved Form 6 - Notice of Intent to Abandon on file, however the work is not yet completed (no Form 6-SRA is filed yet).	11/21/2012 3:41:36 PM
Permit	Per operator attached new plat, lat long, and corrected distance to nearest lease line.	11/13/2012 3:45:06 PM
Permit	The attached plat has incorrect latitude and longitude. Initial review not complete due to bas SHL data.	11/13/2012 11:56:29 AM
Permit	operator amended question no. 10, lat/long, to match plat and attached SUA per question no. 22b. This form passed completeness.	11/5/2012 7:56:19 AM
Permit	Return to draft: 1. question no. 10, SHL lat (40.714160)/long (-103.845020), does not match well location plat SHL lat/long, 2. question no. 22b. indicates SUA attached; SUA is not attached.	11/4/2012 12:17:20 PM

Total: 8 comment(s)

BMP

Type	Comment
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.
Construction	The location will be fenced

Total: 3 comment(s)