

FORM  
2

Rev  
12/05

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

400331710

Date Received:

10/04/2012

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)320-1060

Email: tina.taylor@crzo.net

7. Well Name: Bringelson Well Number: 2-32-9-58

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 10177

## WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 32 Twp: 9N Rng: 58W Meridian: 6

Latitude: 40.700780 Longitude: -103.883020

Footage at Surface: 235 feet FSL 1325 feet FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4785 13. County: WELD

### 14. GPS Data:

Date of Measurement: 08/29/2012 PDOP Reading: 1.8 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 \_\_\_\_\_  
650 FSL 650 FEL 650 FNL 650 FEL  
Sec: 32 Twp: 9N Rng: 58W Sec: 32 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: 5070 ft

18. Distance to nearest property line: 235 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1250 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	535-238	640	Sect 32

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.: SE/4 of Section 32; NE/4, W/2, N2SE/4 Section 33; N/2 Section 34:T9N R58W, 6th P.M., Weld County Colorado.

25. Distance to Nearest Mineral Lease Line: 0 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: \_\_\_\_\_

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+0/0	23	0	5,983	552	5,983	1,400
1ST LINER	6+1/4	4+1/2	11.6	5243	10,177			

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

33. Comments Application for a drilling and spacing unit has been made and is on the , 2012 docket for approval. 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.

34. Location ID: 424273

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: 10/4/2012 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: 1/30/2013

API NUMBER

05 123 36625 00

Permit Number: \_\_\_\_\_ Expiration Date: 1/29/2015

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.

- 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
2172846	SURFACE CASING CHECK
400331710	FORM 2 SUBMITTED
400331711	WELL LOCATION PLAT
400331712	DEVIATED DRILLING PLAN
400331715	DIRECTIONAL DATA

Total Attach: 5 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Horizontal wellbore crosses lease lines within drilling and spacing unit; distance to lease line is 0'; distance to unit boundary is 650'.	1/30/2013 6:48:13 AM
Permit	Input order number. Final Review Completed. No LGD or public comment received.	1/28/2013 12:09:11 PM
Permit	On Hold. Operator has submitted spacing order for Jan hearing docket 1301-AW-3.	10/30/2012 9:23:19 AM
Permit	Corrected distance to nearest wellbore per operator.	10/15/2012 10:27:07 AM
Permit	Requested distance to nearest wellbore. This well is not legal and is waiting on November hearing for spacing order. Initial review complete.	10/15/2012 9:31:49 AM
Permit	This form passed completeness. Operator removed open hole casing type and noted in operator comments no conductor pipe will be set. Operator corrected BHL and PZ footages.	10/8/2012 9:49:23 AM
Permit	Return to draft: 1. BHL (633' FNL/778'FEL) and production zone (496'FSL/664' FEL) do not match well location plat BHL and pz values. 2. Conductor casing missing. If no conductor pipe is used, this must be noted in the Operator Comments section. 3. Open hole casing type conflicts with horizontal drilling information.	10/6/2012 3:25:43 PM

Total: 7 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/Pond.
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.
Planning	A Form 15 Pit Report will be submitted within 30 days of construction of the fresh water storage pit.
Site Specific	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.

Total: 9 comment(s)