

FORM  
2

Rev  
12/05

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

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Date Received:

03/29/2012

PluggingBond SuretyID

20100108

## APPLICATION FOR PERMIT TO:

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

### 2. TYPE OF WELL

OIL  GAS  COALBED  OTHER PILOT  
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: Pergamos Well Number: 8-41-7-60

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

9. Proposed Total Measured Depth: 6991

## WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 8 Twp: 7N Rng: 60W Meridian: 6

Latitude: 40.596240 Longitude: -104.109520

Footage at Surface: 265 feet FNL 576 feet FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4870 13. County: WELD

### 14. GPS Data:

Date of Measurement: 03/19/2012 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

Sec:          Twp:          Rng:          Sec:          Twp:          Rng:         

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: 4752 ft

18. Distance to nearest property line: 265 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1580 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           | 535-41                  | 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):

Pergamos, et al: Township 7 North, Range 60W of the 6th P.M., Section 8: Less 160.43 acres in the SW1/4 and the SE1/4. See attached lease

25. Distance to Nearest Mineral Lease Line: 265 ft 26. Total Acres in Lease: 1440

### 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       |
| OPEN HOLE   | 8+3/4        |                |       | 0             | 6,991         | 810       | 6,991   | 5,568   |

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

33. Comments This is a Pilot Hole for informational purposes only and will be plugged back at TD with 810 sacks of cement. Top of cement will be 5568. No conductor casing will be set.

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: 3/29/2012 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:  Director of COGCC Date: 4/20/2012

API NUMBER

05 123 35424 00

Permit Number: \_\_\_\_\_ Expiration Date: 4/19/2014

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 Form 42.
- 2) Plug back pilot hole: J-Sand, D-Sand, Codell, Niobrara must be isolated from each other with 100' cement plugs.

### Attachment Check List

| Att Doc Num | Name                 |
|-------------|----------------------|
| 2332165     | SURFACE CASING CHECK |
| 400266160   | FORM 2 SUBMITTED     |
| 400266234   | SURFACE AGRMT/SURETY |
| 400266239   | WELL LOCATION PLAT   |
| 400266261   | OIL & GAS LEASE      |

Total Attach: 5 Files

### General Comments

| <u>User Group</u> | <u>Comment</u>  | <u>Comment Date</u>     |
|-------------------|---|-------------------------|
| Permit            | No LGD or public comment received; final review completed.  | 4/20/2012<br>6:06:07 AM |
| Permit            | This is the pilot permit for a pilot/lateral drilling plan. | 4/20/2012<br>6:05:18 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/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.  |

Total: 8 comment(s)