

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:

400291498

Date Received:

06/01/2012

PluggingBond SuretyID

20100108

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER Horizontal
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: WEP Well Number: 1-28-11-3-64

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

9. Proposed Total Measured Depth: 12123

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 28 Twp: 3S Rng: 64W Meridian: 6

Latitude: 39.767170

Longitude: -104.560500

| | | | | | | |
|---------------------|-----|------|---------|------|------|---------|
| | | | FNL/FSL | | | FEL/FWL |
| Footage at Surface: | 368 | feet | FNL | 1127 | feet | FWL |

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5580 13. County: ADAMS

- #### 14. GPS Data:

Date of Measurement: 05/11/2012 PDOP Reading: 1.6 Instrument Operator's Name: Marc Woodard

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

| Footage at Top of Prod Zone: | | | | Bottom Hole: | | | |
|------------------------------|---------|----------|-----|--------------|---------|----------|-----|
| FNL/FSL | | FEL/FWL | | FNL/FSL | | FEL/FWL | |
| 650 | FSL | 650 | FWL | 650 | FNL | 650 | FWL |
| Sec: 21 | Twp: 3S | Rng: 64W | | Sec: 21 | Twp: 3S | Rng: 64W | |

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: 2450 ft

18. Distance to nearest property line: 368 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1333 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 | | 408 | |

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#: 20100170

- 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 3 South, Range 64 West: Section 21 W/2, SE/4. Section 28: SW/4, SE/4 except any portion thereof lying within the Railroad Right-of-Way; N/2.

25. Distance to Nearest Mineral Lease Line: 368 ft

26. Total Acres in Lease: 408

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 | 7,748 | 720 | 7,748 | 1,400 |
| 1ST LINER | 6+1/4 | 4+1/2 | 11.6 | 0 | 12,123 | 438 | 12,123 | 6,357 |

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

33. Comments 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: 6/1/2012 Email: tina.taylor@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: _____ Director of COGCC Date: _____

API NUMBER

05

Permit Number: _____ Expiration Date: _____

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.

Attachment Check List

| Att Doc Num | Name |
|-------------|------------------------|
| 400291498 | FORM 2 SUBMITTED |
| 400291506 | DEVIATED DRILLING PLAN |
| 400291507 | MULTI-WELL PLAN |
| 400291508 | WELL LOCATION PLAT |
| 400291515 | DIRECTIONAL DATA |

Total Attach: 5 Files

General Comments

| User Group | Comment | Comment Date |
|------------|---------|--------------|
| | | |

Total: 0 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. |
| 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)