

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:

400333880

Date Received:

10/10/2012

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: 4-28-11-3-64

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

9. Proposed Total Measured Depth: 11843

WELL LOCATION INFORMATION

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

Latitude: 39.767160 Longitude: -104.560370

Footage at Surface: 369 feet FNL 1164 feet FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5579 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: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
650 FNL 1983 FWL 650 FSL 1985 FWL
Sec: 28 Twp: 3S Rng: 64W Sec: 28 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: 4075 ft

18. Distance to nearest property line: 369 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 | 535-170 | 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):

Township 3 South, Range 64 West, 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: 369 ft 26. Total Acres in Lease: 560

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 | 1,910 | 534 | 1,910 | 0 |
| 1ST | 8+3/4 | 7 | 23 | 0 | 7,605 | 773 | 7,605 | 1,910 |
| 1ST LINER | 6+1/4 | 4+1/2 | 11.6 | 6800 | 11,843 | | | |

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.

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: 10/10/2012 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: 11/10/2012

API NUMBER

05 001 09753 01

Permit Number: _____ Expiration Date: 11/9/2014

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) Note surface casing setting depth change from 1400' to 1910'. Increase cement coverage accordingly. FOR PILOT HOLE 2) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. FOR HORIZONTAL LATERAL 3) Comply with Rule 317.i and provide cement coverage from TVD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
 4) Run and submit Directional Survey from TD to base of surface casing. The operator shall comply with Rule 321, and it shall be the operator's responsibility to ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.
 5) As part of the Form 5 Drilling Completion Report, include the produceable interval as defined by swell packer configuration. (supply the swell packer placement as part of a wellbore diagram)

Operator statement that a swell packer will be set a location which will make TOP to be at least 600' from the section line.

Attachment Check List

| Att Doc Num | Name |
|-------------|------------------------|
| 400333880 | FORM 2 SUBMITTED |
| 400333898 | WELL LOCATION PLAT |
| 400335078 | DEVIATED DRILLING PLAN |
| 400335089 | DIRECTIONAL DATA |

Total Attach: 4 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|--|----------------------------|
| Permit | Final review completed. | 11/9/2012 8:17:49 AM |
| Permit | This form passed completeness. Spoke w/B.Y. and apparently location is abandoned, but still appears on GIS map. | 10/15/2012 9:44:11 AM |
| Permit | Return to draft: 1. Question no. 34, location id., is incomplete. GIS maps the lat/long of this well at an existing location. | 10/14/2012 11:05:00 PM |
| Permit | Return to draft: 1. Question no. 34, location id no., is incomplete. | 10/11/2012 5:56:34 PM |

Total: 4 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. |
| Construction | The location will be fenced. |

Total: 3 comment(s)