

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER _____
SINGLE ZONE ☒ MULTIPLE ZONE ☐ COMMINGLE ZONE ☐

Refiling ☐
Sidetrack ☒

Document Number:

400088854

Plugging Bond Surety

20100108

3. Name of Operator: CARRIZO OIL & GAS INC

4. COGCC Operator Number: 10338

5. Address: 1000 LOUISIANA STREET #1500

City: HOUSTON State: TX Zip: 77002

6. Contact Name: Venessa Langmacher Phone: (303)857-9999 Fax: (303)450-9200
Email: vlpermitco@aol.com

7. Well Name: Orlando Hill Well Number: 26-44-8-61

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

9. Proposed Total Measured Depth: 10230

WELL LOCATION INFORMATION

10. QtrQtr: SE SE Sec: 26 Twp: 8N Rng: 61W Meridian: 6

Latitude: 40.627640 Longitude: -104.167069

Footage at Surface: 700 FNL/FSL FSL 950 FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4982 13. County: WELD

14. GPS Data:

Date of Measurement: 07/08/2010 PDOP Reading: 3.2 Instrument Operator's Name: David J. Murrey

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

Footage at Top of Prod Zone: FNL/FSL 1255 FSL 1093 FEL 660 FEL/FWL 1954 FEL 660
Sec: 26 Twp: 8N Rng: 61W Sec: 26 Twp: 8N Rng: 61W

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: 700 ft

18. Distance to nearest property line: 700 ft 19. Distance to nearest well permitted/completed in the same formation: 3976 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	535-1	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 Bon ☐ \$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):
T7N-R60W: Sec. 21: E/2 SE, SE NE Sec. 22: SW, SW NW T7N-R61W: Sec. 14: NE T8N-R61W: Sec. 25: NW Sec 26: All T8N-R60W: Sec. 30: NW

25. Distance to Nearest Mineral Lease Line: 700 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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☒ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☐ Offsite ☒ Onsite

Method: ☐ Land Farming ☐ Land Spreading ☐ Disposal Facility Other: Evaporation and Burial

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	8+3/4	7+0/0	23	5,000	220	6,769	5,000
1ST	6+1/4	4+1/2	11.6	10,230	345	10,230	

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

33. Comments Conductor casing will not be used. This well will be a sidetrack (lateral) from the pilot hole.

34. Location ID: 419688

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: Venessa Langmacher

Title: Regulatory Supervisor Date: 9/7/2010 Email: vllpermitco@aol.com

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: David S. Neslin Director of COGCC Date: 10/5/2010

API NUMBER Permit Number: _____ Expiration Date: 10/4/2012

05 123 32317 01

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 24 hr notice of MIRU to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us.
- 2) Set surface casing per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) If completed, provide cement coverage from the intermediate casing shoe to a minimum of 200' above Niobrara. Verify cement with a cement bond log.
- 4) Comply with Rule 321. 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.

Attachment Check List

Att Doc Num	Name	Doc Description
400088854	FORM 2 SUBMITTED	LF@2538077 400088854
400090738	DRILLING PLAN	LF@2538078 400090738
400090770	WELL LOCATION PLAT	LF@2538079 400090770

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Placed on hold until 20 day comment period is up at which point the wells will be approved in order so the lateral will get a sidetrack number.	9/23/2010 6:59:57 AM
Permit	This lateral will be a sidetrack from the pilot hole	9/23/2010 5:50:19 AM

Total: 2 comment(s)

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