

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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Document Number:

400144557

Plugging Bond Surety

20100108

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☐ GAS ☐ COALBED ☐ OTHER ☐ Pilot Hole ☐  
SINGLE ZONE ☐ MULTIPLE ZONE ☐ COMMINGLE ZONE ☐

Refiling ☐  
Sidetrack ☐

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: LISA SMITH Phone: (303)8579999 Fax: (303)4509200  
Email: lspermitco@aol.com  
7. Well Name: Wickstrom Well Number: 5-44-5-60  
8. Unit Name (if appl):  Unit Number:   
9. Proposed Total Measured Depth: 6479

WELL LOCATION INFORMATION

10. QtrQtr: SE SE Sec: 5 Twp: 5N Rng: 60W Meridian: 6  
Latitude: 40.423350 Longitude: -104.109150

Footage at Surface: 275 feet FNL/FSL 256 feet FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999  
12. Ground Elevation: 4543 13. County: MORGAN

14. GPS Data:

Date of Measurement: 02/16/2011 PDOP Reading: 2.3 Instrument Operator's Name: George Allen

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: 240 ft

18. Distance to nearest property line: 256 ft 19. Distance to nearest well permitted/completed in the same formation: 5280 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.)

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):  
T5N - R60W: Section 5: E/2, SW

25. Distance to Nearest Mineral Lease Line: \_\_\_\_\_ 650 ft \_\_\_\_\_ 26. Total Acres in Lease: \_\_\_\_\_ 2960 \_\_\_\_\_

### 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: Landfarm and Evaporation

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	298	1,400	0
OPEN HOLE	8+3/4			0	6,479			

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

33. Comments This is a pilot hole for informational purposes only. This well will be plugged back after reaching TD with 736 sx of cement, top of cement will be 4997'. 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: LISA SMITH

Title: Regulatory Supervisor Date: 3/21/2011 Email: lspermitco@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: 5/5/2011

#### API NUMBER

05 087 08161 00

Permit Number: \_\_\_\_\_ Expiration Date: 5/4/2013

#### 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) 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.
- 4) If dry hole, 40 sks cement 50' above Niobrara top, tag 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole. Restore location.

Pilot hole is 256 feet from another lease and cannot be completed. Completed interval must be 600 feet from a lease line to allow the pilot to be complete per rule 318a..

### **Attachment Check List**

Att Doc Num	Name
2111388	SURFACE CASING CHECK
400144557	FORM 2 SUBMITTED
400144747	WELL LOCATION PLAT

Total Attach: 3 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Spacing application for May Hearing	3/23/2011 9:40:45 AM
Permit	---GreenHorn and Niobrara listed as formation of interest. Removed from objective formation. This is a pilot hole. Unspaced lands, currently pilot hole may be less than 600 feet from lease line.	3/23/2011 9:03:29 AM
Permit	This is the pilot hole portion of a pilot/lateral drilling plan	3/23/2011 7:36:00 AM

Total: 3 comment(s)

### **BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>

Total: 0 comment(s)