

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:

400145129

PluggingBond SuretyID

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 ☒ COMMINGLE ☐

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: Ispermitco@aol.com

7. Well Name: Allred Well Number: 25-44-8-60

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

9. Proposed Total Measured Depth: 7034

WELL LOCATION INFORMATION

10. QtrQtr: SE SE Sec: 25 Twp: 8N Rng: 60W Meridian: 6

Latitude: 40.627810 Longitude: -104.031210

Footage at Surface: 582 feet FNL/FSL 222 feet FEL/FWL FEL

11. Field Name: Buckingham West Field Number: 7572

12. Ground Elevation: 4934 13. County: WELD

14. GPS Data:

Date of Measurement: 02/25/2011 PDOP Reading: 2.1 Instrument Operator's Name: Dave Murrey

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: 1300 ft

18. Distance to nearest property line: 222 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 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.)
Pilot Hole	NA	535-70	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#: 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):

T8N - R60W: Section 25: S/2, NW

25. Distance to Nearest Mineral Lease Line: 222 ft

26. Total Acres in Lease: 4490

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: Burial 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
1ST	12+1/4	9+5/8	36	0	1,400	534	1,400	0
OPEN HOLE	8+3/4			0	7,034			

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 906 sx of cement; top of cement will be 5444'. No conductor casing will be set. Waiting on spacing hearing in August.

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: 3/22/2011 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 G. Nashine

Director of COGCC Date: 9/22/2011

API NUMBER

05 123 34404 00

Permit Number: _____ Expiration Date: 9/21/2013

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 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.
- 5) 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.

Attachment Check List

Att Doc Num	Name
2112202	SURFACE CASING CHECK
400145129	FORM 2 SUBMITTED
400145457	WELL LOCATION PLAT

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Continued to the September hearing	8/11/2011 4:00:22 PM
Permit	The spacing hearing is scheduled for August hearing.	6/14/2011 8:34:58 AM
Permit	Request status of well from Kimberly Long of Carizzo	6/13/2011 7:38:53 AM
Permit	On hold waiting on spacing order from May hearing. LC	4/13/2011 4:23:33 PM
Permit	--Horizontal/Lateral APD #400145712 is on hold. Will require spacing to be approved.	3/31/2011 5:26:44 PM
Permit	--Changed field to Buckingham West per maps. Per #23 lease description changed distance to nearest lease line to 222' from 650'.	3/31/2011 5:11:23 PM
Permit	-----Dakota 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.	3/31/2011 5:10:26 PM
Permit	Received type of well: Oil & Zone: Multiple per VL. plg.	3/23/2011 11:13:31 AM
Permit	Requesting type of well & zone. plg.	3/23/2011 9:40:49 AM

Total: 9 comment(s)

BMP

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

Total: 0 comment(s)