

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		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">DE</td> <td style="width:25%;">ET</td> <td style="width:25%;">OE</td> <td style="width:25%;">ES</td> </tr> </table>	DE	ET	OE	ES
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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:

400088908

Plugging Bond Surety

20100108

3. Name of Operator: <u>CARRIZO OIL & GAS INC</u>	4. COGCC Operator Number: <u>10338</u>
5. Address: <u>1000 LOUISIANA STREET #1500</u>	
City: <u>HOUSTON</u> State: <u>TX</u> Zip: <u>77002</u>	
6. Contact Name: <u>Venessa Langmacher</u> Phone: <u>(303)857-9999</u> Fax: <u>(303)450-9200</u>	
Email: <u>vllpermitco@aol.com</u>	
7. Well Name: <u>State</u>	Well Number: <u>36-24-9-61</u>
8. Unit Name (if appl): _____	Unit Number: _____
9. Proposed Total Measured Depth: <u>10230</u>	

WELL LOCATION INFORMATION

10. QtrQtr: <u>SE SW</u> Sec: <u>36</u> Twp: <u>9N</u> Rng: <u>61W</u> Meridian: <u>6</u>
Latitude: <u>40.700256</u> Longitude: <u>-104.155995</u>
Footage at Surface: <u>700</u> feet <u>FSL</u> <u>1900</u> feet <u>FWL</u>
11. Field Name: <u>Wildcat</u> Field Number: <u>99999</u>
12. Ground Elevation: <u>5014</u> 13. County: <u>WELD</u>

14. GPS Data:
 Date of Measurement: 07/08/2010 PDOP Reading: 2.4 Instrument Operator's Name: George N. 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
<u>1242</u>	<u>FSL</u>	<u>1714</u>	<u>660</u>	<u>FNL</u>	<u>660</u>
		<u>FWL</u>			<u>FWL</u>
Sec: <u>36</u> Twp: <u>9N</u> Rng: <u>61W</u>			Sec: <u>36</u> Twp: <u>9N</u> Rng: <u>61W</u>		

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: 769 ft

18. Distance to nearest property line: 700 ft 19. Distance to nearest well permitted/completed in the same formation: 3183 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

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

21. Mineral Ownership: Fee State Federal Indian Lease #: 8438.5

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):
T9N-R61W: Section 36: ALL

25. Distance to Nearest Mineral Lease Line: 660 ft 26. Total Acres in Lease: 640

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: 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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
SURF	8+3/4	7+0/0	23		6,831	228	6,831	5,000
1ST	6+1/4	4+1/2	11.6		10,230	338	10,230	5,700

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

33. Comments this well will be a sidetrack from the pilot hole. No conductor casing will be used

34. Location ID: 419686

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: 9/8/2010 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

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

API NUMBER
05 123 32318 00

CONDITIONS OF APPROVAL, IF ANY:

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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
400088908	APD APPROVED
400090672	WELL LOCATION PLAT
400090673	DRILLING PLAN
400097813	FORM 2 SUBMITTED

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	This is the lateral portion of the pilot/lateral dual permit.	9/23/2010 8:51:38 AM
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 8:51:29 AM

Total: 2 comment(s)

BMP

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

Total: 0 comment(s)