

FORM  
2

Rev  
12/05

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

2166738

Date Received:

05/06/2013

PluggingBond SuretyID

20100191

## APPLICATION FOR PERMIT TO:

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

### 2. TYPE OF WELL

OIL  GAS  COALBED  OTHER \_\_\_\_\_  
SINGLE ZONE  MULTIPLE  COMMINGLE

Refiling

Sidetrack

3. Name of Operator: DUKE GAS COMPANY LLC

4. COGCC Operator Number: 25255

5. Address: 22500 COUNTY RD 24

City: VERNON State: CO Zip: 80755

6. Contact Name: DIANA CANTRALL Phone: (970)332-5610 Fax: ()

Email: DCANTRALL@PLAINSTEL.COOP

7. Well Name: CANTRALL Well Number: 35-1

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

9. Proposed Total Measured Depth: 2490

## WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 35 Twp: 1S Rng: 45W Meridian: 6

Latitude: 39.932610 Longitude: -102.374650

Footage at Surface: \_\_\_\_\_ feet FNL/FSL \_\_\_\_\_ feet FEL/FWL \_\_\_\_\_ feet  
FNL 310 FEL

11. Field Name: DUKE Field Number: 18890

12. Ground Elevation: 3909 13. County: YUMA

### 14. GPS Data:

Date of Measurement: 03/30/2013 PDOP Reading: 3.9 Instrument Operator's Name: KEVIN MCCORMICK

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: 260 ft

18. Distance to nearest property line: 230 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1212 ft

## 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			

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):

N2 OF SECTION 35 1S 45 W

25. Distance to Nearest Mineral Lease Line: 230 ft 26. Total Acres in Lease: 320

### 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	9+7/8	7	17	0	330	120	330	0
1ST	6+1/4	4+1/2	10	0	2,420	75	2,420	1,500

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

33. Comments WE ARE THE SURFACE AND THE MINERAL OWNERS AND WILL BE THE OPERATORS OF THIS WELL. 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: DIANA CANTRALL

Title: OWNER Date: 5/2/2013 Email: DCANTRALL@PLAINSTEL.CO

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: 6/13/2013

API NUMBER Permit Number: \_\_\_\_\_ Expiration Date: 6/12/2015

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#### 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 48 hr notice prior to spud via electronic Form 42.
- 2) Set at least 330' of surface casing per Rule 317d due to WW depths. Setting depth must also be at least 50' into Pierre Shale. Cement to surface.
- 3) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) If dry hole, set 30 sks cement 50' above Niobrara top, 35 sks cement ½ out, ½ in surface casing, 10 sks cement at top of surface casing, cut casing 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole.

**Applicable Policies and Notices to Operators**

Notice Concerning Operating Requirements for Wildlife Protection.

**Attachment Check List**

Att Doc Num	Name
1792779	LEGAL/LEASE DESCRIPTION
2166738	FORM 2 SUBMITTED
2166739	WELL LOCATION PLAT
2166741	TOPO MAP

Total Attach: 4 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Final review completed. No LGD or public comments.	6/13/2013 9:39:41 AM
Permit	Pass completeness.	5/15/2013 9:00:08 AM
Permit	Pending: Need lease description.	5/14/2013 12:17:14 PM
Permit	Requested for operator to become an agent, lease description, and method for mud disposal.	5/7/2013 11:46:27 AM

Total: 4 comment(s)

**BMP**

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