

**FORM
2A**Rev
04/01State of Colorado
Oil and Gas Conservation Commission

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



DE ET OE ES

Document Number:

2583044

Oil and Gas Location Assessment☒ New Location ☐ Amend Existing Location Location#: _____

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a stand alone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this Assessment will allow for the construction of the below specified location; however, it does not supersede any land use rules applied by the local land use authority. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

419127

Expiration Date:

08/30/2013☒ This location assessment is included as part of a permit application.**1. CONSULTATION**

- ☐ This location is included in a Comprehensive Drilling Plan. CDP # _____
- ☐ This location is in a sensitive wildlife habitat area.
- ☐ This location is in a wildlife restricted surface occupancy area.
- ☐ This location includes a Rule 306.d.(1)A.ii. variance request.

2. Operator

Operator Number: 25255

Name: DUKE GAS COMPANY LLC

Address: 22500 COUNTY RD 24

City: VERNON State: CO Zip: 80755

3. Contact Information

Name: DIANA CANTRALL

Phone: (970) 332-5610

Fax: ()

email: DCANTRALL@PLAINSTEL.COO
P

4. Location Identification:

Name: CANTRALL Number: 35-7

County: YUMA

QuarterQuarter: SWNE Section: 35 Township: 1S Range: 45W Meridian: 6 Ground Elevation: 3897

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 2360 feet, from North or South section line: FNL and 2029 feet, from East or West section line: FEL

Latitude: 39.926740 Longitude: -102.380720 PDOP Reading: 3.1 Date of Measurement: 05/03/2010

Instrument Operator's Name: NEIL MCCORMICK

5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text" value="1"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text"/>	Separators: <input type="text"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: _____

6. Construction:

Date planned to commence construction: 09/15/2010 Size of disturbed area during construction in acres: 1.00
Estimated date that interim reclamation will begin: 11/01/2010 Size of location after interim reclamation in acres: 1.00
Estimated post-construction ground elevation: 3897 Will a closed loop system be used for drilling fluids: Yes ☐
Will salt sections be encountered during drilling: Yes ☐ No ☒ Is H2S anticipated? Yes ☐ No ☐
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☐ No ☒
Mud disposal: Offsite ☐ Onsite ☒ Method: Land Farming ☐ Land Spreading ☒ Disposal Facility ☐
Other: _____

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: _____
Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
Mineral Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
The surface owner is: ☒ the mineral owner ☐ committed to an oil and gas lease
☐ is the executer of the oil and gas lease ☒ the applicant
The right to construct the location is granted by: ☐ oil and gas lease ☐ Surface Use Agreement ☐ Right of Way
☒ applicant is owner
Surface damage assurance if no agreement is in place: ☐ \$2000 ☐ \$5000 ☐ Blanket Surety ID _____

8. Reclamation Financial Assurance:

☐ Well Surety ID: 20060146 ☐ Gas Facility Surety ID: _____ ☐ Waste Mgnt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
Distance, in feet, to nearest building: 2400, public road: 2000, above ground utilit: 2360
, railroad: _____, property line: 222

10. Current Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☒ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP
Non-Crop Land: ☐ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): _____
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

11. Future Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☒ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP
Non-Crop Land: ☐ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): _____
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

12. Soils:

List all soil map units that occur within the proposed location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to be used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.gov/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: YUMA COUNTY SOIL SURVEY KUMA KEITGH SILT LOAM NO. 25

NRCS Map Unit Name: _____

NRCS Map Unit Name: _____

13. Plant Community:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes ☐ No ☐

Plant species from: ☐ NRCS or, ☐ field observation Date of observation: _____

List individual species: _____

Check all plant communities that exist in the disturbed area.

- ☐ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- ☐ Native Grassland (Bluestern, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
- ☐ Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)
- ☐ Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
- ☐ Mountain Riparian (Cottonwood, Willow, Blue Spruce)
- ☐ Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)
- ☐ Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)
- ☐ Alpine (above timberline)
- ☐ Other (describe): _____

14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☒ No ☐ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes

Distance (in feet) to nearest surface water: 36000, water well: 1250, depth to ground water: 100

Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes

Is the location within a Rule 317B Surface Water Supply Area buffer zone:

☒ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. zone

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: ☐ No ☐ Yes

15. Comments:

WE ARE THE SURFACE AND MINERAL OWNERS AND WILL BE THE OPERATORS.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: _____ Date: 07/15/2010 Email: DCANTRALL@PLAINSTEL.COOP

Print Name: DIANA CANTRAL Title: OWNER

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

David S. Neslin

COGCC Approved: _____ Director of COGCC Date: 8/31/2010

CONDITIONS OF APPROVAL, IF ANY:

All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.

Attachment Check List

Att Doc Num	Name	Doc Description
1641878	CORRESPONDENCE	LF@2519463 1641878
1641879	NRCS MAP UNIT DESC	LF@2519483 1641879
1641880	NRCS MAP UNIT DESC	LF@2519491 1641880
2583044	FORM 2A APPROVED	LF@2533879 2583044
2583045	LOCATION PICTURES	LF@2508194 2583045
2583046	LOCATION PICTURES	LF@2508195 2583046
2583047	LOCATION DRAWING	LF@2508196 2583047
2583048	HYDROLOGY MAP	LF@2508197 2583048
2583049	ACCESS ROAD MAP	LF@2508198 2583049
400089664	FORM 2A	LF@2508189 400089664

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	PERMITTING PASSED	8/23/2010 10:06:02 AM
OGLA	From: Diana Cantrall [mailto:dcantrall@plainstel.coop] Sent: Friday, August 06, 2010 3:16 PM To: Andrews, Doug Subject: corrections Mr. Andrews: I agree to the changes on Form 2A that you wish to make. Please advise me if there are further corrections to be made. Diana Cantrall	8/20/2010 4:15:48 PM

OGLA	<p>From: Andrews, Doug</p> <p>Sent: Thursday, August 05, 2010 8:39 AM</p> <p>To: dcantrall@plainstel.coop</p> <p>Subject: Doc. 2583044 - COGCC Location Assessment Form 2A review for Duke Gas Company's CANTRALL 35-7</p> <p>Diana,</p> <p>I've recently reviewed the above referenced Oil & Gas Location Assessment Form 2A and have several changes I'd like to get your input on.</p> <p>1. Soils – During my review, it appears that the disturbed area during construction will likely overlap onto the 10-Colby silt loam, 3 to 6 percent slopes NRCS soil unit. Therefore, please approve me adding the 10-Colby silt loam, 3 to 6 percent slopes to the list of Soils on the Form 2A.</p> <p>2. Water Resources – A review of the USGS topographic maps for the area of the oil and gas location indicates an intermittent pond is approximately 1,725 feet north-northeast of the proposed oil and gas location. Although surface water may not be present for long stretches of time in this pond, intermittent water bodies are considered Waters of the State of Colorado and should be considered when evaluating the distance to the nearest surface water. Therefore, please approve me changing the distance to the nearest surface water from 36,000 feet to 1,725 feet on the Form 2A. Also, because this proposed oil and gas location is within the Northern High Plains Designated Groundwater Basin, please approve me changing the sensitive area designation from No to Yes on the Form 2A</p> <p>3. NRCS Map Unit Description – Per COGCC Rule 303.d.(3).G, the NRCS soil map unit description for each soil unit the proposed oil and gas location lies within is a required Attachment for the Form 2A. This Attachment was not included in the submitted Form 2A package we received from you. Please provide me with a copy of the NRCS soil map unit description for both the 25-Kuma Keith silt loam and 10-Colby silt loam NRCS soil units. You may send these to me via e-mail and I will electronically attach them to the Form 2A.</p> <p>If you have any questions about these changes to the Form 2A, please feel free to contact me.</p> <p>Respectfully,</p> <p>R. Douglas Andrews</p> <p>Oil & Gas Location Assessment Specialist</p> <p>Colorado Oil & Gas Conservation Commission</p>	<p>8/20/2010 4:15:48 PM</p>
Permit	Called operator to confirm that no conductor casing will be set	<p>8/20/2010 4:14:45 PM</p>
OGLA	OGLA task passed.	<p>8/10/2010 7:54:44 AM</p>

Total: 5 comment(s)

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