

FORM
2A

Rev
04/01

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400278115

Date Received:

05/01/2012

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 standalone 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:

429063

Expiration Date:

05/24/2015

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: 10267

Name: VECTA OIL & GAS LTD

Address: 575 UNION BLVD #208

City: LAKEWOOD State: CO Zip: 80228

3. Contact Information

Name: Mathew Goolsby

Phone: (303) 618-7736

Fax: (303) 945-2869

email: matgoolsby@vecta-denver.com

4. Location Identification:

Name: Crestone Number: 33-17

County: CHEYENNE

Quarter: NWSE Section: 17 Township: 14S Range: 47W Meridian: 6 Ground Elevation: 4255

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: 2156 feet FSL, from North or South section line, and 2099 feet FEL, from East or West section line.

Latitude: 38.828900 Longitude: -102.692470 PDOP Reading: 1.5 Date of Measurement: 03/23/2012

Instrument Operator's Name: Sally Pettibone

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

| | | | | |
|---|--|---|---|--|
| Special Purpose Pits: <input type="checkbox"/> | Drilling Pits: <input type="checkbox"/> <u>1</u> | Wells: <input type="checkbox"/> <u>1</u> | Production Pits: <input type="checkbox"/> | Dehydrator Units: <input type="checkbox"/> |
| Condensate Tanks: <input type="checkbox"/> | Water Tanks: <input type="checkbox"/> <u>1</u> | Separators: <input type="checkbox"/> <u>1</u> | Electric Motors: <input type="checkbox"/> | Multi-Well Pits: <input type="checkbox"/> |
| Gas or Diesel Motors: <input type="checkbox"/> <u>1</u> | Cavity Pumps: <input type="checkbox"/> | LACT Unit: <input type="checkbox"/> | Pump Jacks: <input type="checkbox"/> <u>1</u> | Pigging Station: <input type="checkbox"/> |
| Electric Generators: <input type="checkbox"/> | Gas Pipeline: <input type="checkbox"/> | Oil Pipeline: <input type="checkbox"/> | Water Pipeline: <input type="checkbox"/> | Flare: <input type="checkbox"/> |
| Gas Compressors: <input type="checkbox"/> | VOC Combustor: <input type="checkbox"/> | Oil Tanks: <input type="checkbox"/> <u>2</u> | Fuel Tanks: <input type="checkbox"/> | |

Other: _____

6. Construction:

Date planned to commence construction: 06/15/2012 Size of disturbed area during construction in acres: 4.00
 Estimated date that interim reclamation will begin: 07/15/2012 Size of location after interim reclamation in acres: 0.50
 Estimated post-construction ground elevation: 4255 Will a closed loop system be used for drilling fluids: Yes No
 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: 04/23/2012
 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: 20080067 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: 5280, public road: 3150, above ground utilit: 3150
 , railroad: 5280, property line: 2099

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: Arvada-Deertrail complex, 0 to 1 percent slopes

NRCS Map Unit Name: Manzanola clay loam, 0 to 3 percent slopes

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: Western wheatgrass, Nuttall's alkaligrass, Fourwing saltbush, Bottlebrush squirreltail, Needleandthread

Check all plant communities that exist in the disturbed area.

- Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- Native Grassland (Bluestem, 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: 608, water well: 2574, depth to ground water: 18

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 Suppl 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:

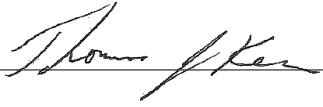
1) Surface water is a dry lagoon.

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

Signed: _____ Date: 05/01/2012 Email: margoolsby@vecta-denver.com

Print Name: Mathew Title: Goolsby

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:  Director of COGCC Date: 5/25/2012

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.

Location may be in a sensitive area due to shallow groundwater; therefore if drilling pits intercept groundwater the pit must be lined or a closed loop system used.

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------------|
| 2533567 | CORRESPONDENCE |
| 400278115 | FORM 2A SUBMITTED |
| 400278854 | LOCATION PICTURES |
| 400278856 | REFERENCE AREA PICTURES |
| 400278857 | ACCESS ROAD MAP |
| 400278860 | HYDROLOGY MAP A, TOPO |
| 400278861 | LOCATION DRAWING |
| 400278862 | REFERENCE AREA MAP |
| 400278863 | NRCS MAP UNIT DESC |
| 400278865 | NRCS MAP UNIT DESC |
| 400279573 | WAIVERS |
| 400280020 | SURFACE AGRMT/SURETY |

Total Attach: 12 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|---|----------------------------|
| Permit | Final Review passed 5/24/2012 NKP | 5/24/2012 1:58:09 PM |
| OGLA | Ready to pass 5/23/2012. | 5/3/2012 11:00:51 AM |
| Permit | Operator attached SUA. This form has passed completeness. | 5/2/2012 3:06:33 PM |
| Permit | Returned to draft. Missing SUA attachment. | 5/2/2012 7:47:26 AM |

Total: 4 comment(s)

BMP

| <u>Type</u> | <u>Comment</u> |
|--------------------|-----------------------|
| | |

Total: 0 comment(s)