

**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:

2582916

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:

419183

Expiration Date:

09/07/2013☒ 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: 10267

Name: VECTA OIL & GAS LTD

Address: 5920 CEDAR SPRINGS ROAD - STE 200

City: DALLAS State: TX Zip: 75235

3. Contact Information

Name: MATHEW GOOLSBY

Phone: (303) 618-7736

Fax: (303) 945-2869

email: MATGOOLSBY@VECTA-DENVER.COM

4. Location Identification:

Name: TORREYS Number: 44-33

County: CHEYENNE

QuarterQuarter: SESE Section: 33 Township: 13S Range: 47W Meridian: 6 Ground Elevation: 4305

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: 645 feet, from North or South section line: FSL and 646 feet, from East or West section line: FEL

Latitude: 38.868500 Longitude: -102.669310 PDOP Reading: 2.4 Date of Measurement: 05/25/2010

Instrument Operator's Name: NEAL 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" value="1"/>	Separators: <input type="text" value="1"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text" value="1"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text" value="1"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text" value="1"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text" value="2"/>	Fuel Tanks: <input type="text"/>	

Other: _____

6. Construction:

Date planned to commence construction: 08/02/2010 Size of disturbed area during construction in acres: 4.00
Estimated date that interim reclamation will begin: 09/30/2010 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 4305 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 20100132

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: 4631, above ground utilit: 4631
, railroad: 5280, property line: 645

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: #47-ULM LOAM, 0 TO 3 PERCENT (NRCS DESCRIPTION ATTACHED)

NRCS Map Unit Name: #43 - STONEHAM-KIM LOAMS, 6 TO 12 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: WHEATGRASS

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: 1350, water well: 1835, depth to ground water: 28

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:

1) NEAREST WATER WELL IS 1835 FEET SOUTHEAST, BEING NWNW SECTION 3, T14S, R47W WITH STATIC WATER LEVEL AT 28 FEET. 2) SURFACE LAND WAS FORMERLY CRP AND WAS RECENTLY PLANTED WITH CORN, BUT NOT PLOWED.

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

Signed: _____ Date: 07/01/2010 Email: MATGOOLSBY@VECTA-DENVER.COM

Print Name: MATHEW GOOLSBY Title: VP OPERATIONS

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: 9/8/2010

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.

- 1.To the extent practicable, the Operator shall implement Interim Site Reclamation immediately after well completion activities.
- 2.The Operator shall schedule and conduct site construction, drilling and completion activities to the extent practicable to minimize impacts to wildlife during antelope and deer hunting seasons.
- 3.The location may be in a sensitive area due to shallow groundwater; therefore if drilling pits intercept groundwater the pits must be lined or a closed loop system used. In addition, pits shall be closed after drilling and any completion work shall be conducted using lined pits or steel tanks.
- 4.To aid in establishing baseline groundwater conditions in the area, the Operator shall collect and analyze a groundwater sample from one water well in the vicinity of the proposed well location. This water well has been identified as Colorado Division of Water Resources permit number 17219 n in the Northwest Quarter of the Northwest Quarter of Section 3, Township 14 South, Range 47 West. Water samples shall be analyzed for parameters required in Rule 318.A.e.(4) E and F. Copies of all test results described above shall be provided via Sundry Notice, Form 4, to the COGCC and the water well owner within three (3) months of collecting the samples. The analytical data and surveyed well location shall also be submitted to the COGCC Director in an electronic data deliverable format. The Operator shall make a good faith effort to conduct initial baseline testing of the selected water well prior to the spudding of the proposed well; however, not conducting baseline testing because access to water wells cannot be obtained shall not be grounds for denial of an Application for Permit-to-Drill, Form 2.

Attachment Check List

Att Doc Num	Name	Doc Description
1641831	CORRESPONDENCE	LF@2512588 1641831
1641832	NRCS MAP UNIT DESC	LF@2512589 1641832
2555151	LOCATION PICTURES	LF@2502960 2555151
2582911	LOCATION PICTURES	LF@2502970 2582911
2582912	ACCESS ROAD MAP	LF@2519804 2582912
2582913	HYDROLOGY MAP	LF@2519805 2582913
2582914	NRCS MAP UNIT DESC	LF@2502969 2582914
2582915	LOCATION DRAWING	LF@2519803 2582915
2582916	FORM 2A	LF@2502958 2582916
2586351	CORRESPONDENCE	LF@2533871 2586351

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	PERMITTING PASSED	9/1/2010 10:05:19 AM
Permit	Changed Surety Id to Plugging Bond, Add W/L Name Related Forms, change well name to Torreys 44-33; scanned Hydrology Map, Location Drawing and Access Road Map with Well Name corrections and uploaded new illustrations to eforms.	8/9/2010 1:17:17 PM
OGLA	OGLA TASK PASSED.	7/30/2010 9:06:51 AM

Total: 3 comment(s)

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