

FORM  
2A

Rev  
04/01

State 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:  
400230627

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:  
**427290**  
Expiration Date:  
**01/14/2015**

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: 61250  
Name: MULL DRILLING COMPANY INC  
Address: 1700 N WATERFRONT PKWY B#1200  
City: WICHITA State: KS Zip: 67206-6637

3. Contact Information

Name: CARL SMALLEY  
Phone: (719) 767-8805  
Fax: (719) 767-8994  
email: CSMALLEY@MULLDRILLING.COM

4. Location Identification:

Name: ETW Number: 1-15  
County: KIOWA  
Quarter: SWSW Section: 15 Township: 18S Range: 45W Meridian: 6 Ground Elevation: 3917

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: 1218 feet FSL, from North or South section line, and 601 feet FWL, from East or West section line.  
Latitude: 38.487190 Longitude: -102.453330 PDOP Reading: 3.3 Date of Measurement: 11/30/2011  
Instrument Operator's Name: KEITH WESTFALL

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"/> 1	Wells: <input type="checkbox"/> 1	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="checkbox"/> 1	Separators: <input type="checkbox"/> 1	Electric Motors: <input type="checkbox"/> 1	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="checkbox"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="checkbox"/> 1	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"/> 2	Fuel Tanks: <input type="checkbox"/>	

Other: NONE

6. Construction:

Date planned to commence construction: 02/01/2012 Size of disturbed area during construction in acres: 2.34  
Estimated date that interim reclamation will begin: 05/01/2012 Size of location after interim reclamation in acres: 2.19  
Estimated post-construction ground elevation: 3917 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: DRY AND BURY

### 7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 11/30/2011  
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: 20000063  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: 601, above ground utilit: 1200  
, railroad: 13200, property line: 601

### 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 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: WILEY LOAM 0 TO 3 PERCENT SLOPES MAP UNIT DESCRIPTION #41

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 (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: 10560, water well: 3960, depth to ground water: 21  
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. THERE ARE NO APPARENT RIPARIAN AREAS OR SURFACE WATER WITHIN 1,000' RADIUS OF PROPOSED WELL PAD. 2. NO CONSTRUCTIN MAP NEEDED (SLOPE 0 TO 3 PERCENT). 3. NO REFERENCE AREA MAP OR PICTURES NEEDED (DRY LAND CROP LAND). 4. NO VISIBLE IMPROVEMENTS WITHIN 400' RADIUS OF PROPOSED WELL PAD. 5. DEPTH TO GROUND WATER INFORMATION, PERMIT #11637-F (RECEIPT: 9087753) IRRIGATION WELL 3,960' SOUTHWEST OF PROPOSED WELL PAD. 6. NEAREST SURFACE WATER - 10,560' WEST OF PROPOSED WELL PAD (BIG SANDY CREEK).

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

Signed: \_\_\_\_\_ Date: 12/08/2011 Email: MSHREVE@MULLDRILLING.COM

Print Name: MARK SHREVE Title: PRESIDENT/COO

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. Nashin* Director of COGCC Date: 1/15/2012

**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.**

In accordance with Rule 607.c., operator shall provide notice of any gas analysis indicating the presence of hydrogen sulfide on the proposed location including pipelines, production equipment and tanks. Submit notices to COGCC's area engineer, Dirk Sutphin, at dirk.sutphin@state.co.us and local government designee, Debra Lening at kiowaclerk@hotmail.com as follows:

- 1) Reporting of the presence of H2S in concentrations less than 10 parts per million (PPM) shall be done via verbal and email notices. Verbal notice with a follow up email shall be provided as soon as practicable upon detection of H2S to COGCC's area engineer and the local government designee.
- 2) All verbal and email notices shall include all of the following information:
  - a) Well or Facility name,
  - b) API Number or COGCC Facility Number,
  - c) H2S concentration in PPM,
  - d) Date sample or measurement was collected,
  - e) Type of measurement or analysis (e.g., gas analysis, meter measurement, or colorimetric tube), and
  - f) Description of sample point.
- 3) Sundry Notices are required for H2S concentrations equal to or exceeding 10 PPM. Only one H2S Sundry Notice Form 4 is required per well or location following the initial H2S detection, which exceeds 10 parts per million (PPM). Subsequent H2S reporting shall be done on an annual basis and be submitted not later than January 31 for all measurements or sampling events during the prior calendar year.
- 4) Subsequent annual reports shall be provided in a spreadsheet and submitted to the COGCC's area engineer and/or COGCC's engineering supervisor via email.
- 5) Sundry Notices and annual report spreadsheets shall provide all of the following information:
  - a) Well or Facility name
  - b) API Number or COGCC Facility Number
  - c) H2S concentration in PPM

### Attachment Check List

Att Doc Num	Name
2533476	CORRESPONDENCE
400230627	FORM 2A SUBMITTED
400230644	LOCATION PICTURES
400230646	LOCATION DRAWING
400230647	HYDROLOGY MAP
400230648	ACCESS ROAD MAP
400230649	NRCS MAP UNIT DESC
400230651	OTHER

Total Attach: 8 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review passed 1/10/2012 NKP	1/10/2012 2:04:30 PM
OGLA	Ready to pass 12/29/2011.	12/14/2011 8:32:18 AM

Total: 2 comment(s)

**BMP**

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

Total: 0 comment(s)