

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:

400326795

Date Received:

10/18/2012

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:

**430814**

Expiration Date:

**11/19/2015**

☒ 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: 35080

Name: GRAND MESA OPERATING CO

Address: 1700 N. WATERFRONT PKWY BL 600

City: WICHITA State: KS Zip: 67206

3. Contact Information

Name: Ronald Sinclair

Phone: (316) 265-3000

Fax: (316) 265-3455

email: pbrewer@gmocks.com

4. Location Identification:

Name: PUNKIN-STATE Number: 1-4

County: LINCOLN

QuarterQuarter: SW/SE Section: 4 Township: 10S Range: 55W Meridian: 6 Ground Elevation: 5277

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: 877 feet FSL, from North or South section line, and 1419 feet FEL, from East or West section line.

Latitude: 39.203160 Longitude: -103.552100 PDOP Reading: 1.8 Date of Measurement: 09/06/2012

Instrument Operator's Name: Keith Westfall-High Prairie Survey

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"/>	Separators: <input type="checkbox"/>	Electric Motors: <input type="checkbox"/>	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"/>	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"/>	Fuel Tanks: <input type="checkbox"/>	

Other: \_\_\_\_\_

6. Construction:

Date planned to commence construction: 11/15/2012 Size of disturbed area during construction in acres: 3.53  
Estimated date that interim reclamation will begin: 11/15/2014 Size of location after interim reclamation in acres: 2.00  
Estimated post-construction ground elevation: 5277 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: DRY/BURYING

## 7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 10/11/2012  
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: 20020080 ☐ 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: 16064, public road: 5235, above ground utilit: 16064  
, railroad: 7481, property line: 877

## 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: Kimst loam, 3 to 12 percent slopes - Location

NRCS Map Unit Name: Wiley silt loam, 0 to 3 percent slopes - Tank Battery Location

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: 09/06/2012

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): CRP Grassland

### 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: 1182, water well: 3549, depth to ground water: 6

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:

No surface waters within 1000' of location. Construction map needed - 3 - 12 percent slope. Reference area map and pictures are included (CRP grass). No visible improvements within 400' of location or tank battery location. Tank battery is new and will be dedicated to the Punkin-State #1-4 well.

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

Signed: \_\_\_\_\_ Date: 10/18/2012 Email: pbrewer@gmocks.com

Print Name: Ronald N. Sinclair Title: President

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: 11/20/2012

**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 is in a sensitive area because of shallow groundwater; therefore, either a lined drilling pit or closed loop system is required.

**Attachment Check List**

Att Doc Num	Name
400326795	FORM 2A SUBMITTED
400328526	LOCATION DRAWING
400328527	REFERENCE AREA MAP
400328528	ACCESS ROAD MAP
400328529	HYDROLOGY MAP A, TOPO
400329041	NRCS MAP UNIT DESC
400329045	NRCS MAP UNIT DESC
400335408	CONST. LAYOUT DRAWINGS
400335409	PROPOSED BMPs
400335415	OTHER
400335417	CORRESPONDENCE
400337817	CONSULT NOTICE
400337866	LOCATION PICTURES
400338111	LOCATION PICTURES
400338151	LOCATION PICTURES
400338152	LOCATION PICTURES
400338154	REFERENCE AREA PICTURES
400338155	REFERENCE AREA PICTURES
400338250	SURFACE AGRMT/SURETY

Total Attach: 19 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 comment received.	11/14/2012 10:52:26 AM
Permit	Contacted State Land Board. Compliance verified.	11/14/2012 10:35:50 AM
OGLA	Removed production equipment from the Form 2A: the operator stated that if the well is brought into production, then a production facility will be located remote from the location in the SE 1/4 of Section 4. Operator (M. Combs) confirmed via phone that they will submit a Form 2A for approval prior to construction of the tank battery.	11/6/2012 10:52:21 AM
OGLA	The landowner of Section 3 and the north half of Section 10 has requested that the operator not sample the water wells on the land for safety and liability reasons. The water wells in question (permit numbers 0184953, 0184954, 0265614, 287476) are shallow stock wells, and no other registered water wells are present within 1 mile of the proposed location. Therefore no condition of approval for water well sampling will be applied to this location.	11/6/2012 10:48:47 AM
OGLA	Emailed operator regarding tank battery, sensitive area, and water well sampling	10/31/2012 4:00:09 PM
LGD	Passed by LGD	10/24/2012 3:09:54 PM
Permit	Operator correctly labeled all location pictures to include all 4 cardinal directions.	10/23/2012 10:39:36 AM
Permit	Return to draft: 1. location pictures for North and West directions are incomplete. Operator corrected QtrQtr location to correspond with COGIS mapping and lat/long coordinates; labeled reference area pictures indicating 4 cardinal directions and reference pics.	10/22/2012 1:00:03 PM
Permit	Return to draft: 1. location QtrQtr (NESE) does not match GIS mapping or lat/long coordinate (SESE), 2. surface surety ID is not on file with OGCC, 3. reference area pictures do not contain direction labeling or "Reference Area" labeling, 4. location pictures do not contain direction labeling or indicate photos are location photos, FYI: water well permit #184954 is located closer than water well referenced on hydro map.	10/20/2012 1:21:29 PM

Total: 9 comment(s)

**BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>
Construction	It is not anticipated construction activities to include dewatering excavated areas. If groundwater springs or seeps are encountered, measures will be used to divert flows away from excavations and disturbed areas. BMPs may include diversion ditches. The SWMP will be modified if this issue is encountered at the site.

Total: 1 comment(s)