

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



Document Number:

400221119

Date Received:

01/20/2012

Oil and Gas Location Assessment

☐ New Location

☒ Amend Existing Location Location#: 413498

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:

**413498**

Expiration Date:

**04/04/2015**

☒ 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: 10132

Name: GENESIS GAS & OIL LLC

Address: 1701 WALNUT STREET - 4TH FL

City: KANSAS CITY State: MO Zip: 64108

3. Contact Information

Name: Robert C. Behner

Phone: (816) 222-7500

Fax: (816) 222-7501

email: BBEHNER@GENESISGO.COM

4. Location Identification:

Name: Fletcher Gulch

Number: 3-24

County: RIO BLANCO

QuarterQuarter: LOT 12 Section: 3 Township: 1N Range: 100W Meridian: 6 Ground Elevation: 6600

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: 1427 feet FNL, from North or South section line, and 474 feet FEL, from East or West section line.

Latitude: 40.088078 Longitude: -108.595611 PDOP Reading: 2.4 Date of Measurement: 09/16/2008

Instrument Operator's Name: Chris Hamilton

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

Special Purpose Pits: <input type="text" value="1"/>	Drilling Pits: <input type="text"/>	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" value="1"/>	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" value="1"/>	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" value="1"/>	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: 06/01/2012 Size of disturbed area during construction in acres: 2.10  
Estimated date that interim reclamation will begin: 09/03/2012 Size of location after interim reclamation in acres: 0.60  
Estimated post-construction ground elevation: 6599 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: Bury Pit

## 7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 03/01/2006  
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: \_\_\_\_\_ ☐ Gas Facility Surety ID: \_\_\_\_\_ ☐ Waste Mgmt. 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: 5280, above ground utilit: 5280  
, railroad: 5280, property line: 474

## 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: 1 - arbor clay loam, 5 to 30 percent slopes

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: 07/19/2006  
List individual species: cheatgrass

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: 243, water well: 5280, depth to ground water: 2470  
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:

The distance of 5,280 feet in the Cultural & Soils tab and Water Resources & Operator Comments tab indicates a distances of more than a mile. There are no improvements within 400' of surface disturbance for subject location, other than the depicted pad access

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

Signed: \_\_\_\_\_ Date: 01/20/2012 Email: Sheryl@MyersEnergyServices.com

Print Name: Sheryl M. Little-Myers Title: Agent 970-623-2833

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: 4/5/2012

**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.**

**SITE SPECIFIC COAs:**

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals, and maintained in good condition.

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines or buried permanent pipelines.

If the well is to be frac'd, flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline or pit located on the well pad or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.

The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, if drill cuttings are to remain/disposed of onsite, they must also meet the applicable standards of table 910-1.

The access road will be constructed to prevent sediment migration from the access road to nearby surface water or any drainages leading to other nearby surface waters.

Due to the steep slopes to the north, this location is in an area of moderate to high run off/run on potential; therefore the pad shall be constructed in a timely manner and appropriate BMPs need to be in place both during, after well pad construction, as well as during all drilling and well completion operations. Standard stormwater BMPs must be implemented at this location to insure compliance with CDPHE and COGCC requirements and to prevent any stormwater run-on and /or stormwater runoff.

**Attachment Check List**

Att Doc Num	Name
2034268	CORRESPONDENCE
2034269	ACCESS ROAD MAP
2034270	CONST. LAYOUT DRAWINGS
2034271	LOCATION PICTURES
2034272	REFERENCE AREA MAP
2034273	REFERENCE AREA PICTURES
2034274	WELL LOCATION PLAT
2034275	OTHER
2034276	HYDROLOGY MAP
2034277	FED. DRILLING PERMIT
2034278	LOCATION DRAWING
400221119	FORM 2A SUBMITTED
400236834	HYDROLOGY MAP
400236835	LOCATION PICTURES
400243842	CONST. LAYOUT DRAWINGS
400243846	ACCESS ROAD MAP
400244109	NRCS MAP UNIT DESC

Total Attach: 17 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	operator submitted this 2A with refile APD. location in mule deer critical winter range. location has not been built. exc. loc. req. ltr. attached to APD #400221109. location requested by BLM. CPW passed/LGD and pub. comments waived. Final Comprehensive Review Status--passed.	1/4/2012 3:21:38 PM
DOW	CPW has reviewed the applicants BMPs, COAs (or permit) for this well pad location. CPW affirms that the lease stipulations and conditions of approval assigned to this permit by the BLM are adequate to address wildlife habitat and mitigation concerns.  2-23-2012  16:40	2/23/2012 4:39:44 PM
Permit	changed dist. to nearest prop. line to 473' per oper.s email	2/22/2012 10:56:06 AM
OGLA	Initiated/Completed OGLA Form 2A review on 02-07-12 by Dave Kubeczko; requested clarifications (reference area, hydrology map, construction drawing, x-sections) and acknowledgement of fluid containment, spill/release BMPs, moisture content cuttings, sediment control access road and pad construction, and flowback to tanks COAs from operator on 02-07-12; received clarifications and acknowledgement of COAs from operator on 02-22-12; changed distance to SW to 243'; passed by CPW on 02-23-12 with BLM stipulations and COAs acceptable; passed OGLA Form 2A review on 03-26-12 by Dave Kubeczko; fluid containment, spill/release BMPs, moisture content cuttings, sediment control access road and pad construction, and flowback to tanks COAs.	2/7/2012 4:30:16 PM
Permit	disagree w/ dist. to near. prop. line (474' FEL)	1/23/2012 2:15:09 PM
Permit	Operator attached full NRCS map unit description. This form has passed completeness.	1/23/2012 1:37:12 PM
Permit	Returned to draft. Missing NRCS map unit attachment.	1/23/2012 8:02:09 AM

Total: 7 comment(s)

### BMP

<u>Type</u>	<u>Comment</u>
General Housekeeping	Gold Book Standards, On Shore Order 1, and WRFO 2010 Surface Reclamation Protocol will be followed during all phases of the life of this location, as appropriate. Potential water and erosion will be considered, and those exposures will be defended. Noxious weed invasions will be avoided. Surface disturbances, other than as outlined in the subject APD package, will be avoided.

Total: 1 comment(s)