

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:

400403083

Date Received:

05/17/2013

## 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:

Expiration Date:

☒ 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: 10388

Name: SWIFT ENERGY OPERATING LLC

Address: 16825 NORTHCHASE DRIVE #400

City: HOUSTON State: TX Zip: 77060

## 3. Contact Information

Name: Amanda Stenjem

Phone: (970) 382-7256

Fax: (970) 382-7259

email: [stenjem@ecosphere-services.com](mailto:stenjem@ecosphere-services.com)

## 4. Location Identification:

Name: Waters 34-12-32 Number: 1H

County: LA PLATA

QuarterQuarter: SWNW Section: 32 Township: 34N Range: 12W Meridian: M Ground Elevation: 6919

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: 1399 feet FNL, from North or South section line, and 235 feet FWL, from East or West section line.

Latitude: 37.151270 Longitude: -108.181750 PDOP Reading: 2.2 Date of Measurement: 04/23/2013

Instrument Operator's Name: Scott Weibe

## 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"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text" value="1"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="4"/>	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" value="2"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text" value="1"/>
Gas Compressors: <input type="text" value="1"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text" value="6"/>	Fuel Tanks: <input type="text" value="2"/>	

Other: Radio Antenna, Gas Meter Station

## 6. Construction:

Date planned to commence construction: 06/15/2013 Size of disturbed area during construction in acres: 4.44  
Estimated date that interim reclamation will begin: 04/10/2014 Size of location after interim reclamation in acres: 4.00  
Estimated post-construction ground elevation: 6917 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: Opal Waters Family Trust Phone: 970-247-5739  
Address: 1624 Forest Ave Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: Durango State: CO Zip: 81301 Date of Rule 306 surface owner consultation: 05/10/2013  
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: 20110182 ☐ 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: 2520, public road: 5280, above ground utilit: 5280  
, railroad: 5280, property line: 236

## 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: Witt loam, 1 to 3 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: 04/01/2013

List individual species: Musk Thistle on well pad

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): Reseeded agricultural land

### 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: 1273, water well: 1987, depth to ground water: 500

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:

Depth to ground water of nearest water well is unknown, static water level is 305 feet and total well depth is 500 feet. Large leafy Spurge patches occur along access route as well as in general vicinity, the Weed Management Plan submitted with the La Plata County Permit addresses control measures that Swfit will use to prevent the spread of this noxious weed.

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

Signed: Date: 05/17/2013 Email: stenjem@ecosphere-services.com

Print Name: Amanda Stenjem Title: Permit Specialist

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:

**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.

**Attachment Check List**

Att Doc Num	Name
400403083	FORM 2A SUBMITTED
400403125	NRCS MAP UNIT DESC
400419221	EQUIPMENT LIST
400419230	REFERENCE AREA PICTURES
400419253	ACCESS ROAD MAP
400419257	HYDROLOGY MAP
400419260	LOCATION DRAWING
400419264	SENSITIVE AREA MAP
400419266	REFERENCE AREA MAP
400419750	PROPOSED BMPs
400419770	LOCATION PICTURES
400419772	CONSULT NOTICE
400419773	DOW CONSULTATION
400420835	WELL LOCATION PLAT

Total Attach: 14 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Returned to draft for the following: Contact not an agent for operator. Rename "other" to location drawing. Remove extra pages on well location plat. Right to construct is by O&G lease. Remove Surface bond & bond #.	5/20/2013 11:05:19 AM

Total: 1 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
Storm Water/Erosion Control	<p>Fiber wattles will encompass the entire periphery of the disturbed area.</p> <p>Tackifier will be added to the stored topsoil piles and areas of interim reclamation to inhibit erosion. The slope ratio of stockpiled soils will not exceed 3:1.</p> <p>Stormwater BMPs will be maintained and/or amended by Swift as site conditions change during the construction and reclamation process.</p>
Construction	<p>All equipment will be stored within the lease/right-of-way (ROW) area of disturbance. Top soil will be removed to create a level pad for drilling and an access road. The Drilling Facility Layout Map displays the areas that will be used for storage of building materials, equipment, and soil.</p> <p>Vegetation that does not need to be removed will be avoided during construction and removed vegetation will be cut near ground level, leaving the root system intact except where permanent facilities, roads, or ROWs require the complete removal of vegetation.</p>
Interim Reclamation	<p>Disturbed portions of the well pad not necessary for operation and maintenance will be re-contoured and roughened to blend into the surrounding terrain. In addition, a landowner approved seed mix will be applied at the appropriate time using seeding and mulching methods outlined in the Regional Stormwater Plan (RSWMP). Weed control will be employed to help facilitate vegetation reestablishment.</p>
Final Reclamation	<p>All disturbed areas that are not necessary for operational procedures will be restored to at least 80 percent of pre-disturbance vegetative cover.</p>
Wildlife	<p>Swift will follow the COGCC Protection of Wildlife, Rule 1203: General Operating Requirements in Sensitive Wildlife Habitat and Restricted Surface Occupancy Areas. Visual mitigation measures implemented will also act as wildlife mitigation measures.</p>
General Housekeeping	<p>Erosion control barriers, namely fiber wattles, will be placed at the edge of disturbance where necessary. Care will be taken to avoid disturbance, outside of the project area unless it is deemed necessary for equipment stability, fire prevention, and/or other safety requirements.</p>

Total: 6 comment(s)