

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:

2237008

Date Received:

06/05/2012

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:

429897

Expiration Date:

08/12/2015

☒ 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: 78110

Name: SWEPI LP

Address: 4582 S ULSTER ST PKWY #1400

City: DENVER State: CO Zip: 80237

3. Contact Information

Name: MICHAEL BERGSTROM

Phone: (303) 222-6347

Fax: (303) 222-6258

email: MICHAEL.BERGSTROM@SHELL.COM

4. Location Identification:

Name: HAMILTON Number: 1-29

County: MOFFAT

QuarterQuarter: TRT 61 Section: 29 Township: 5N Range: 91W Meridian: 6 Ground Elevation: 6343

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: 1890 feet FSL, from North or South section line, and 107 feet FEL, from East or West section line.

Latitude: 40.354194 Longitude: -107.621706 PDOP Reading: 1.3 Date of Measurement: 04/19/2012

Instrument Operator's Name: B. HUNTING

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"/>
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"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="text" value="2"/>	Fuel Tanks: <input type="text"/>	

Other: _____

6. Construction:

Date planned to commence construction: 08/20/2012 Size of disturbed area during construction in acres: 2.80
Estimated date that interim reclamation will begin: 11/21/2012 Size of location after interim reclamation in acres: 1.50
Estimated post-construction ground elevation: 6340 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: IDA GORDON Phone: _____
Address: 532 TAYLOR ST. Fax: _____
Address: _____ Email: _____
City: CRAIG State: CO Zip: 81625 Date of Rule 306 surface owner consultation: 03/19/2012
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: 20030028 ☐ 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: 691, public road: 423, above ground utilit: 1191
, railroad: 21120, property line: 330

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: 66. EVANOT LOAM, 1 TO 12 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: 05/02/2012

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): _____

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: 406 , water well: 800 , depth to ground water: 26

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:

WATER WELL PERMIT NUMBER 210198. SURFACE OWNER IDA GORDON OWNS A PERCENTAGE OF THE MINERALS.

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

Signed: _____ Date: 05/31/2012 Email: MICHAEL.BERGSTROM@SHELL.COM

Print Name: MICHAEL BERGSTROM Title: SR REG. ADVISOR

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: 8/13/2012

**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:

A closed loop system must be implemented during drilling (which operator has indicated on the Form 2A). All cuttings generated during drilling with oil based muds or high chloride/TDS mud must be kept or placed either in containers or on a lined and bermed portion of the well pad prior to offsite disposal. The moisture content of any drill cuttings managed onsite must be as low as practicable to prevent accumulation of liquids greater than de minimis amounts.

If the well is to be hydraulically stimulated, 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 storage vessel 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.

Any water well or surface water feature sampled in accordance with baseline & follow-up sampling BMP shall be surveyed in accordance with COGCC Rule 215.

Attachment Check List

Att Doc Num	Name
1642086	PROPOSED BMPs
1642087	CORRESPONDENCE
2034412	PROPOSED BMPs
2034430	CORRESPONDENCE
2034471	OTHER
2237008	FORM 2A SUBMITTED
2237009	LOCATION PICTURES
2237010	LOCATION DRAWING
2237011	HYDROLOGY MAP
2237012	ACCESS ROAD MAP
2237013	REFERENCE AREA MAP
2237014	REFERENCE AREA PICTURES
2237015	NRCS MAP UNIT DESC
2237016	CONST. LAYOUT DRAWINGS
2237017	PROPOSED BMPs
2237018	TOPO MAP
2237019	OTHER

Total Attach: 17 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Final Review	placed on hold - awaiting resolution from operator on timing (wildlife strips vs. interim reclamation)	8/12/2012 8:46:46 PM
OGLA	placed on hold for water sampling BMP	7/23/2012 7:48:50 AM
Permit	off hold--APD now complete. No LGD or public comments. Final Review--passed.	7/19/2012 9:30:51 AM
Permit	put on hold pending receipt of dir. template to complete APD.	7/12/2012 1:39:15 PM
OGLA	Initiated/Completed OGLA Form 2A review on 06-14-12 by Dave Kubeczko; requested acknowledgement of cuttings containment/moisture content and flowback to tanks COAs from operator on 06-14-12; received acknowledgement of COAs from operator on 06-22-12; passed by CPW on 06-08-12 with operator agreed to BMPs acceptable; location onsited on 05-18-12; changed to sensitive area due to close SW and shallow GW; passed OGLA Form 2A review on 06-29-12 by Dave Kubeczko; cuttings containment/moisture content and flowback to tanks COAs.	6/14/2012 2:04:05 PM
DOW	The operator has agreed to the following BMPs: 1.Where oil and gas activities must occur near active Mule Deer Critical Winter Range, conduct these activities outside the time period from December 1 through April 15. 2.Restrict post-development well site visitations to between the hours of 9:00 a.m. and 4:00 p.m. from December 1 to April 15 for Mule Deer Critical Winter Range and Elk Winter Concentration Area. 3.Install and utilize bear-proof dumpsters and trash receptacles for all food-related trash on location following COGCC Rule 1204 a-1. 4.Reclamation will match existing vegetation per landowners request. Jacob Davidson, 6/8/2012, 14:36	3/8/2012 2:36:40 PM
Permit	Operator (per Ann Baldridge) gave permission to make the following changes: The surface is committed to an oil and gas lease Change Surface damage assurance question to N/A No H2S expected. Distance to railroad changed from 4 to 21120 (original number was in miles)	6/7/2012 11:32:54 AM
Permit	Called operator. Surface and Minerals page improperly filled in.	3/7/2012 9:24:05 AM
Data Entry	CHECK QTRQTR -ABBREVIATED FOR ENTRY.	6/6/2012 11:51:22 AM

Total: 9 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Pre-Construction	Operator has agreed to conduct baseline and follow-up sampling in accordance with attached BMP (Document Number 1642086). Follow-up sampling beyond 1 year post-drill will not be required if dry hole.
Wildlife	<p>1.Where oil and gas activities must occur near active Mule Deer Critical Winter Range, conduct these activities outside the time period from December 1 through April 15.</p> <p>2.Restrict post-development well site visitations to between the hours of 9:00 a.m. and 4:00 p.m. from December 1 to April 15 for Mule Deer Critical Winter Range and Elk Winter Concentration Area.</p> <p>3.Install and utilize bear-proof dumpsters and trash receptacles for all food-related trash on location following COGCC Rule 1204 a-1.</p> <p>4.Reclamation will match existing vegetation per landowners request.</p>
Interim Reclamation	<p>Operator provided schedule information, subject to change.</p> <p>Construction Start 8/20/2012 Drilling 9/20 to 10/20 Facilities Installation 10/21 to 11/20 Interim Reclamation 11/21 to 11/30</p> <p>If we do not meet this schedule or do not finish interim reclamation in 10 days, then we hit the wildlife stipulations, but no sage grouse restrictions. We would stabilize the pad over the winter and likely get back on the pad for interim reclamation by 4/16/2013. We would submit a sundry to COGCC if this were to happen.</p>

Total: 3 comment(s)