

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:

400404147

Date Received:

04/15/2013

Oil and Gas Location Assessment

☐ New Location

☒ Amend Existing Location Location#: 389047

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:

389047

Expiration Date:

05/18/2016

☒ 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: 10245

Name: SINGLETREE RESOURCES INC

Address: 521 PROGRESS CIRCLE #1

City: CHEYENNE State: WY Zip: 82007

3. Contact Information

Name: Tony Markve

Phone: (307) 316-0010

Fax: (307) 222-0281

email: tony@singletreeresources.com

4. Location Identification:

Name: Casement Number: 2

County: LOGAN

QuarterQuarter: SWSE Section: 8 Township: 11N Range: 54W Meridian: 6 Ground Elevation: 4310

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: 694 feet FSL, from North or South section line, and 2055 feet FEL, from East or West section line.

Latitude: 40.936920 Longitude: -103.427370 PDOP Reading: 1.9 Date of Measurement: 03/13/2013

Instrument Operator's Name: C. Vanmatre

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

Other: Skim Tank

6. Construction:

Date planned to commence construction: 05/15/2013 Size of disturbed area during construction in acres: 1.50
Estimated date that interim reclamation will begin: 06/15/2013 Size of location after interim reclamation in acres: 1.10
Estimated post-construction ground elevation: 4310 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: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 04/22/2013
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: 20080035 ☐ 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: 694, above ground utility: 450,
railroad: 5280, property line: 2300

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: 68 - Mitchell loam, 0 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: 04/03/2013
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: 5280, water well: 655, depth to ground water: 46
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:

This location was previously permitted in 2009. The proposed location is greater than one mile from buildings, surface water and railroads.

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

Signed: _____ Date: 04/15/2013 Email: tony@singletreeresources.com
Print Name: Tony Markve Title: engineer

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: 5/19/2013

**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.

The location is in a Sensitive Area because it is within 1/8 mile of a domestic water well. Therefore, production pits shall be lined in accordance with Rule 904 Pit Lining Requirements and Specifications.

The location is in a Sensitive Area because it is within 1/8 mile of a domestic water well. Therefore, Rule 609 Statewide Groundwater Baseline Sampling and Monitoring applies to this location, and the water well(s) located in the SWSE Section 8 T11N R54W shall be sampled in accordance with the timing and sampling procedures in Rule 609.d. and 609.e. The sampling results shall be reported to the Director in accordance with Rule 609.f.

The location is in a Sensitive Area because it is within 1/8 mile of a domestic water well. Therefore, the operator shall ensure the contents of the drilling pit meet the concentrations in Table 910-1 prior to drilling pit closure.

Attachment Check List

Att Doc Num	Name
2614325	CORRESPONDENCE
400404147	FORM 2A SUBMITTED
400404262	ACCESS ROAD MAP
400404264	HYDROLOGY MAP
400404277	NRCS MAP UNIT DESC
400404279	NRCS MAP UNIT DESC
400404281	LOCATION DRAWING
400404283	LOCATION PICTURES
400404284	LOCATION PICTURES
400404286	LOCATION PICTURES
400404288	LOCATION PICTURES

Total Attach: 11 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed. No LGD or public comment received.	5/16/2013 12:28:07 PM
OGLA	Operator responded that drilling fluids/mud will be disposed at an offsite commercial facility; the Operator also indicated that produced water will pipe to the existing Julie Campbell 1 multi-well pit; operator acknowledged COAs Per telephone conversation with the operator on 5/14/2013, the operator will attempt to use tanks instead of a drilling pit; however a drilling pit will remain on the Form 2A in case tanks cannot be obtained. The re-entry is expected to be a short duration event with a small amount of fluid; OGLA is not requiring the pit to be lined because: the short duration of the event, the estimated depth to ground water, and the fact that operator will be sampling the nearest water well and reporting results to COGCC. OGLA review complete.	5/15/2013 7:50:27 AM
Permit	Initial review complete. Form 2 and 2A compared.	5/9/2013 6:59:47 AM
OGLA	1. Changed the Form 2A from New Location to Amend Location 389407. 2. Changed the depth to water from 80 feet to 46 feet, based on water well permit 258707. 3. The Location is in a Sensitive Area because it is within 1/8 mile of a domestic water well and therefore a Sensitive Area by Rule. 4. Requested clarification of mud disposal method. 5. Requested acknowledgement of COAs	4/29/2013 12:42:19 PM

Total: 4 comment(s)

BMP

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