

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



DE	ET	OE	ES
----	----	----	----

Document Number:

2586310

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 387075

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 stand alone 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:

387075

Expiration Date:

09/11/2013

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: 10340
 Name: SUNDANCE ENERGY INC
 Address: 380 INTERLOCKEN CRESCENT - STE #601
 City: BROOMFIELD State: CO Zip: 80021

3. Contact Information

Name: BRETT A. MURRAY
 Phone: (303) 543-5702
 Fax: (303) 543-5701
 email: BMURRAY@SUNDANCEENERG
Y.NET

4. Location Identification:

Name: PARKER Number: #L-1
 County: LINCOLN
 QuarterQuarter: SWNE Section: 29 Township: 16S Range: 54W Meridian: 6 Ground Elevation: 4674

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: 1925 feet, from North or South section line: FSL and 1959 feet, from East or West section line: FWL
 Latitude: 38.634300 Longitude: -103.473730 PDOP Reading: 2.5 Date of Measurement: 05/21/2010
 Instrument Operator's Name: E. Johnson

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

Special Purpose Pits: Drilling Pits: 1 Wells: 1 Production Pits: Dehydrator Units:
 Condensate Tanks: Water Tanks: 1 Separators: 1 Electric Motors: Multi-Well Pits:
 Gas or Diesel Motors: 1 Cavity Pumps: LACT Unit: Pump Jacks: 1 Pigging Station:
 Electric Generators: Gas Pipeline: Oil Pipeline: Water Pipeline: Flare:
 Gas Compressors: VOC Combustor: Oil Tanks: 1 Fuel Tanks:
 Other: _____

6. Construction:

Date planned to commence construction: 09/15/2010 Size of disturbed area during construction in acres: 2.00
Estimated date that interim reclamation will begin: 10/15/2010 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 4672 Will a closed loop system be used for drilling fluids: Yes
Will salt sections be encountered during drilling: Yes No X Is H2S anticipated? Yes No X
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes No X
Mud disposal: Offsite X Onsite Method: Land Farming Land Spreading X Disposal Facility
Other:

7. Surface Owner:

Name: Phone:
Address: Fax:
Address: Email:
City: State: Zip: Date of Rule 306 surface owner consultation:
Surface Owner: X Fee State Federal Indian
Mineral Owner: X Fee State Federal Indian
The surface owner is: X the mineral owner X committed to an oil and gas lease
X is the executer of the oil and gas lease the applicant
The right to construct the location is granted by: oil and gas lease X 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:

X Well Surety ID: 20100117 Gas Facility Surety ID: Waste Mgnt. Surety ID:

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes No X
Distance, in feet, to nearest building: 2500 , public road: 3300 , above ground utilit: 2700
, railroad: 5280 , property line: 1920

10. Current Land Use (Check all that apply):

Crop Land: Irrigated Dry land Improved Pasture Hay Meadow CRP
Non-Crop Land: X 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: X 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: Haversid silt loam

NRCS Map Unit Name: Fort Loam

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: _____

List individual species: PRAIRIE SANDREED, BLUE GRAMA, NEEDLESANDTHREAD, SAND BLUESTEM.

Check all plant communities that exist in the disturbed area.

- Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- Native Grassland (Bluestern, 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: 2341, water well: 2522, depth to ground water: 28

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:

There are no visible improvements within four hundred feet of the proposed location.

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

Signed: _____ Date: 08/04/2010 Email: BMURRAY@SUNDANCEENERGY.NET

Print Name: BRETT A. MURRAY Title: LAND MANAGER

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

David S. Neslin

COGCC Approved: _____ Director of COGCC Date: 9/12/2010

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.

Operator must implement site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to prevent the offsite release of drilling, completion, produced fluids, and chemical products.

Attachment Check List

Att Doc Num	Name	Doc Description
1641961	CORRESPONDENCE	LF@2539581 1641961
1641962	HYDROLOGY MAP A, TOPO	LF@2539591 1641962
1641963	LOCATION DRAWING	LF@2539605 1641963
2586310	FORM 2A	LF@2526482 2586310
2586312	LOCATION PICTURES	LF@2526483 2586312
2586322	ACCESS ROAD MAP	LF@2526484 2586322
2586331	NRCS MAP UNIT DESC	LF@2526485 2586331
2586332	HYDROLOGY MAP	LF@2527647 2586332
2586337	NRCS MAP UNIT DESC	LF@2530289 2586337

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Concurrence of COA from operator. RTP.	9/10/2010 2:10:07 PM
OGLA	corr. back to operator regarding hydrology map and COA	9/3/2010 4:13:32 PM
Permit	PERMITTING PASSED	8/26/2010 11:23:13 AM
Permit	Operator gave permission to add/change the following: Bond Number, Loc ID#, Change Well Name and Number, add Mud Disposal Method, change reclamation area to .50, add cultural distances, add NRCS Map, ok change of depth to ground water to 28'	8/26/2010 10:07:10 AM
Permit	Attached the Hydrology Map and waiting on information from operator to add the following: Bond Number, Loc Id#, Mud Disposal method, conductor casing verbiage, add related forms name.	8/20/2010 5:48:32 PM

Total: 5 comment(s)

Error: Subreport could not be shown.