


<b>FORM</b> <b>2A</b> Rev 04/01	<b>State of Colorado</b> <b>Oil and Gas Conservation Commission</b> 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table> <p style="text-align: center;">Document Number: <b>1633780</b></p>	DE	ET	OE	ES																					
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<b>Oil and Gas Location Assessment</b>			<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">         Location ID:  <b>385118</b> </div> <div style="border: 1px solid black; padding: 5px;">         Expiration Date:  <b>04/05/2014</b> </div>																									
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div> <input type="checkbox"/> New Location         </div> <div> <input checked="" type="checkbox"/> Amend Existing Location         </div> <div>         Location#: <u>385118</u> </div> </div>																												
<p>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 <a href="http://colorado.gov/cogcc/">http://colorado.gov/cogcc/</a> for all accompanying information pertinent to this Oil and Gas Location Assessment.</p>																												
<input checked="" type="checkbox"/> This location assessment is included as part of a permit application.																												
<b>1. CONSULTATION</b> <input type="checkbox"/> This location is included in a Comprehensive Drilling Plan. CDP # _____ <input type="checkbox"/> This location is in a sensitive wildlife habitat area. <input type="checkbox"/> This location is in a wildlife restricted surface occupancy area. <input type="checkbox"/> This location includes a Rule 306.d.(1)A.ii. variance request.																												
<b>2. Operator</b> Operator Number: <u>10340</u> Name: <u>SUNDANCE ENERGY INC</u> Address: <u>380 INTERLOCKEN CRESCENT - STE #601</u> City: <u>BROOMFIELD</u> State: <u>CO</u> Zip: <u>80021</u>		<b>3. Contact Information</b> Name: <u>DEAN ROGERS</u> Phone: <u>(303) 543-5710</u> Fax: <u>(303) 543-5701</u> email: <u>DROGERS@SUNDANCEENERGY.NET</u>																										
<b>4. Location Identification:</b> Name: <u>FULTON</u> Number: <u>1-19R</u> County: <u>KIT CARSON</u> QuarterQuarter: <u>SWSE</u> Section: <u>19</u> Township: <u>9S</u> Range: <u>48W</u> Meridian: <u>6</u> Ground Elevation: <u>4665</u> <p>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.</p> Footage at surface: <u>793</u> feet <u>FSL</u> , from North or South section line, and <u>1995</u> feet <u>FEL</u> , from East or West section line. Latitude: <u>39.245900</u> Longitude: <u>-102.806660</u> PDOP Reading: <u>2.5</u> Date of Measurement: <u>05/21/2010</u> Instrument Operator's Name: <u>ERIC JOHNSON</u>																												
<b>5. Facilities (Indicate the number of each type of oil and gas facility planned on location):</b>																												
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Other: _____																												

6. Construction:

Date planned to commence construction: 06/01/2011 Size of disturbed area during construction in acres: 2.00  
Estimated date that interim reclamation will begin: 09/30/2011 Size of location after interim reclamation in acres: 0.50  
Estimated post-construction ground elevation: 4665 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: 05/05/2010  
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: 20100117 ☐ 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: 3000, public road: 665, above ground utilit: 3000  
, railroad: 5280, property line: 793

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: 82 Stoneham-Kimst-Fort Collins loams, 5 to 15 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: \_\_\_\_\_

List individual species: PRAIRIE SANDREED, BLUE GRAMA, NEEDLEANDTHREAD, SAND BLUESTEM

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: 2400, water well: 2400, depth to ground water: 60

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:

No visible improvements within 400 feet. Reference area photos will be submitted within 12 months.

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

Signed: \_\_\_\_\_ Date: 02/25/2011 Email: DROGERS@SUNDANCEENERGY.NET

Print Name: DEAN ROGERS Title: OPERATIONS ENGINEER

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

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:

*David S. Neslin*

Director of COGCC

Date: 4/6/2011

**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.**

Reference area photos and reference area map are required within 12 months of the issue data of this 2A.

**Attachment Check List**

Att Doc Num	Name
1633780	FORM 2A
1633781	LOCATION PICTURES
1633782	LOCATION DRAWING
1633783	HYDROLOGY MAP
1633784	ACCESS ROAD MAP
1633785	OTHER
400142413	NRCS MAP UNIT DESC

Total Attach: 7 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	PERMITTING PASSED- JLV	4/5/2011 3:03:51 PM
Permit	All location Id#. JLV	4/5/2011 1:54:31 PM
OGLA	Ready to Pass 4/4/2011.	3/30/2011 1:47:08 PM
OGLA	The location falls within the Plains Groundwater Management District. Deb Daniel (719) 346 8487 pgwmd@centurytel.net	3/16/2011 11:13:01 AM
OGLA	The proposed location falls within the Northern High Plains Designated Basin and therefore is considered a Sensitive Area.	3/16/2011 11:10:19 AM
Permit	Permission from opr-Dean to correct plugging bond, add a location drawing and an NRCS. sf	3/14/2011 3:51:25 PM
Permit	Missing plugging bond, Surf owner, Location drawing, and NRCS.	3/7/2011 9:46:38 AM

Total: 7 comment(s)

**BMP**TypeComment

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Total: 0 comment(s)