

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:

400385689

Date Received:

03/26/2013

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:

**432784**

Expiration Date:

**05/01/2016**

☒ 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: 10131

Name: ST. JAMES ENERGY OPERATING INC

Address: 11177 EAGLE VIEW DR STE 1

City: SANDY State: UT Zip: 84092

3. Contact Information

Name: Kent Moore

Phone: (970) 301-0291

Fax: (970) 378-8623

email: krmtaurus@msn.com

4. Location Identification:

Name: Albrighton Number: 10-6N-66W

County: WELD

QuarterQuarter: SWSW Section: 10 Township: 6N Range: 64W Meridian: 6 Ground Elevation: 4808

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: 1170 feet FSL, from North or South section line, and 1274 feet FWL, from East or West section line.

Latitude: 40.496610 Longitude: -104.541150 PDOP Reading: 1.8 Date of Measurement: 03/01/2013

Instrument Operator's Name: Thad Cook

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="checkbox"/>     | Wells: <input type="text" value="6"/>     | Production Pits: <input type="checkbox"/> | Dehydrator Units: <input type="checkbox"/> |
| Condensate Tanks: <input type="checkbox"/>     | Water Tanks: <input type="text" value="2"/> | Separators: <input type="checkbox"/>      | Electric Motors: <input type="checkbox"/> | Multi-Well Pits: <input type="checkbox"/>  |
| Gas or Diesel Motors: <input type="checkbox"/> | Cavity Pumps: <input type="checkbox"/>      | LACT Unit: <input type="checkbox"/>       | Pump Jacks: <input type="checkbox"/>      | Pigging Station: <input type="checkbox"/>  |
| Electric Generators: <input type="checkbox"/>  | Gas Pipeline: <input type="checkbox"/>      | Oil Pipeline: <input type="checkbox"/>    | Water Pipeline: <input type="checkbox"/>  | Flare: <input type="text" value="1"/>      |
| Gas Compressors: <input type="checkbox"/>      | VOC Combustor: <input type="checkbox"/>     | Oil Tanks: <input type="text" value="4"/> | Fuel Tanks: <input type="checkbox"/>      |  |

Other: Drill rig will include 23 electric motors, 8 gas/diesel motors, 2 electric generators, 8 fuel tanks

6. Construction:

Date planned to commence construction: 04/22/2013 Size of disturbed area during construction in acres: 4.30  
Estimated date that interim reclamation will begin: 09/01/2013 Size of location after interim reclamation in acres: 2.50  
Estimated post-construction ground elevation: 4808 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: \_\_\_\_\_  
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: 20050105 ☐ 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: 939, public road: 1243, above ground utility: 1274,  
railroad: 11470, property line: 152

## 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: 52, Otero sandy loam, 3 to 5 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: \_\_\_\_\_

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: 1670, water well: 849, depth to ground water: 15  
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:

1. In addition to Dan Hull and Kent Moore, please contact Erin Mathews, erin.mathews@LRA-inc.com, with any questions or comments. 2. Depth to groundwater determined from static water level of nearby water well, Receipt: 9060156. 3. Distance to nearest building is reported as 939 feet, which is the distance to the nearest Building Unit. Distance to nearest structure is 150 feet, which is a shed/out building.

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

Signed: \_\_\_\_\_ Date: 03/26/2013 Email: dan.hull@LRA-inc.com

Print Name: Daniel Hull Title: Senior Project Manager

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: 5/2/2013

**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.**

If drill cuttings will be land applied, then a Waste Management Plan meeting the general requirements of Rule 907.a. must be submitted for the land application of drill cuttings. Submit the Waste Management Plan on a Form 4 Sundry Notice via email to DNR\_OGCC.ENVIRO-SUNDRY@state.co.us prior to drilling.

### **Attachment Check List**

| Att Doc Num | Name                  |
|-------------|-----------------------|
| 400385689   | FORM 2A SUBMITTED     |
| 400396183   | ACCESS ROAD MAP       |
| 400396184   | HYDROLOGY MAP         |
| 400396185   | LOCATION PICTURES     |
| 400396187   | MULTI-WELL PLAN       |
| 400396188   | SURFACE AGRMT/SURETY  |
| 400396189   | OIL & GAS LEASE       |
| 400396190   | NRCS MAP UNIT DESC    |
| 400396196   | WASTE MANAGEMENT PLAN |
| 400396198   | LOCATION DRAWING      |

Total Attach: 10 Files

### **General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>   | <b><u>Comment Date</u></b> |
|--------------------------|---|----------------------------|
| Permit                   | Change in mineral owner information requested by operator.  | 4/29/2013<br>9:45:48 AM    |
| Permit                   | Final review completed. No LGD or public comments.  | 4/22/2013<br>5:14:35 AM    |
| OGLA                     | The location is in a Sensitive Area due to the presence of shallow ground water; changed the Sensitive Area designation to Yes and notified the operator<br><br>notified the operator to submit a Form 4 Sundry Notice with an accompanying Waste Management Plan for the land application of drilling fluids and cuttings to the area Environment Protection Specialist. | 4/3/2013 2:02:14<br>PM     |
| Permit                   | This form has passed completeness.  | 3/27/2013<br>1:50:38 PM    |

Total: 4 comment(s)

## **BMP**

| <u>Type</u>                            | <u>Comment</u>   |
|--|--|
| Storm Water/Erosion Control            | Stormwater<br>1. When site disturbance is greater than one acre, a stormwater discharge permit will be completed per state regulations<br>2. Stormwater best management practices will be installed<br>3. All stormwater best management practices will remain in place until final stabilization is achieved.   |
| Material Handling and Spill Prevention | Spill Prevention<br>1. All materials, waste, and fluids kept on site will be stored in an appropriate manner to prevent contamination with the environment<br>2. If a spill occurs, it will be cleaned up using absorbent material and by removing the contaminated soil<br>3. Any contaminated soil will be placed in a sealed container that can be disposed of appropriately<br>4. All efforts will be made to prevent the spill from migrating off-site or coming into contact with stormwater runoff<br>5. The Spill Control and Countermeasures plan, if applicable, will address and control all spill procedures   |
| Drilling/Completion Operations         | A closed loop system will be utilized during drilling  |
| General Housekeeping                   | Solid Waste<br>1. The site will be cleaned of all trash and waste as soon as practical<br>2. All waste will be stored in sealed containers until it can be disposed of appropriately<br>3. Solid waste will be removed from the site and disposed of per state regulations for solid waste   |
| General Housekeeping                   | Noxious Weeds<br>1. Site will be inspected to document weed infested areas<br>2. Prompt action will be taken to mitigate infested areas.<br>3. All noxious weeds identified will not be allowed to reach the flowering or seed dispersal stage.<br>4. Vehicles will not be allowed to drive through weed infested areas.<br>5. Machinery will not be parked in weed infested areas.<br>6. Vehicles sent off site regularly will be inspected to assure that undercarriages and grill works are kept free of weed seed.<br>7. Undercarriages of vehicles or machinery potentially contaminated with noxious weed seeds will be washed before entry is made into non infested areas. |
| Storm Water/Erosion Control            | Fugitive Dust and Vehicle Tracking<br>1. Traffic speeds will be limited to control fugitive dust<br>2. Watering will be completed to control fugitive dust as needed<br>3. Graveled entries will be provided for vehicle tracking control<br>4. Furrowing of disturbed soil will be provided at right angles to prevailing winds as needed<br>5. Silt fences will be installed for wind breaks as needed   |

Total: 6 comment(s)