


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		<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>Document Number: 400140651</p>	DE	ET	OE	ES																					
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Oil and Gas Location Assessment			<p>Location ID: 302471</p> <p>Expiration Date: 06/18/2014</p>																									
<p> <input type="checkbox"/> New Location <input checked="" type="checkbox"/> Amend Existing Location Location#: <u>302471</u> </p>																												
<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 http://colorado.gov/cogcc/ for all accompanying information pertinent to this Oil and Gas Location Assessment.</p>																												
<p><input checked="" type="checkbox"/> This location assessment is included as part of a permit application.</p>																												
1. CONSULTATION <p> <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. </p>																												
2. Operator Operator Number: <u>10131</u> Name: <u>ST. JAMES ENERGY OPERATING INC</u> Address: <u>11177 EAGLE VIEW DR STE 1</u> City: <u>SANDY</u> State: <u>UT</u> Zip: <u>84092</u>		3. Contact Information Name: <u>Kent Moore</u> Phone: <u>(970) 301-0291</u> Fax: <u>(970) 378-8623</u> email: <u>krmtaurus@msn.com</u>																										
4. Location Identification: Name: <u>DYER</u> Number: <u>66N64W /2NWNW</u> County: <u>WELD</u> QuarterQuarter: <u>NWNW</u> Section: <u>2</u> Township: <u>6N</u> Range: <u>64W</u> Meridian: <u>6</u> Ground Elevation: <u>4810</u> 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: <u>660</u> feet <u>FNL</u> , from North or South section line, and <u>640</u> feet <u>FWL</u> , from East or West section line. Latitude: <u>40.520730</u> Longitude: <u>-104.524430</u> PDOP Reading: <u>1.7</u> Date of Measurement: <u>05/29/2008</u> Instrument Operator's Name: <u>J. Rhotten</u>																												
5. Facilities (Indicate the number of each type of oil and gas facility planned on location): <table style="width: 100%; border: none;"> <tr> <td>Special Purpose Pits: <input type="text"/></td> <td>Drilling Pits: <input type="text" value="1"/></td> <td>Wells: <input type="text" value="1"/></td> <td>Production Pits: <input type="text"/></td> <td>Dehydrator Units: <input type="text"/></td> </tr> <tr> <td>Condensate Tanks: <input type="text"/></td> <td>Water Tanks: <input type="text" value="1"/></td> <td>Separators: <input type="text" value="1"/></td> <td>Electric Motors: <input type="text"/></td> <td>Multi-Well Pits: <input type="text"/></td> </tr> <tr> <td>Gas or Diesel Motors: <input type="text"/></td> <td>Cavity Pumps: <input type="text"/></td> <td>LACT Unit: <input type="text"/></td> <td>Pump Jacks: <input type="text"/></td> <td>Pigging Station: <input type="text"/></td> </tr> <tr> <td>Electric Generators: <input type="text"/></td> <td>Gas Pipeline: <input type="text"/></td> <td>Oil Pipeline: <input type="text"/></td> <td>Water Pipeline: <input type="text"/></td> <td>Flare: <input type="text"/></td> </tr> <tr> <td>Gas Compressors: <input type="text"/></td> <td>VOC Combustor: <input type="text" value="1"/></td> <td>Oil Tanks: <input type="text" value="1"/></td> <td>Fuel Tanks: <input type="text"/></td> <td></td> </tr> </table> Other: <u>DRILL RIG = 23 ELECTRIC MOTORS, 8 GAS/DIESEL MOTORS, 2 ELECTRIC GENERATORS, 8 FUEL TANKS</u>				Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text" value="1"/>	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"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text"/>	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="1"/>	Fuel Tanks: <input type="text"/>	
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6. Construction:

Date planned to commence construction: 10/31/2012 Size of disturbed area during construction in acres: 3.00
Estimated date that interim reclamation will begin: 02/28/2013 Size of location after interim reclamation in acres: 1.00
Estimated post-construction ground elevation: 4810 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: Dave Dyer Phone: 970-302-0925
Address: 28248 WCR 74 Fax: _____
Address: _____ Email: _____
City: Eaton State: CO Zip: 80615 Date of Rule 306 surface owner consultation: 07/13/2008
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 20070026

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: 690, public road: 640, above ground utilit: 640
, railroad: 47520, property line: 640

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: Otero sandy loam, 1-3% 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: 2608, water well: 1322, depth to ground water: 12

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:

water depth taken from well application dated 2/05/1980

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

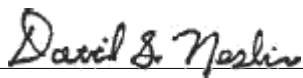
Signed: _____ Date: 04/19/2011 Email: dan.hull@lra-inc.com

Print Name: Dan Hull Title: Project Manager

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: _____



Director of COGCC

Date: 6/19/2011

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.

Location is in a sensitive area because of shallow groundwater; therefore, either a lined drilling pit or closed loop system is required.

Notify the COGCC Oil and Gas Location Assessment (OGLA) specialist for South Eastern Colorado (Arthur Koepsell; email arthur.koepsell@state.co.us) 48 hours prior to initiating pad construction.

Attachment Check List

Att Doc Num	Name
2433257	LOCATION DRAWING
2533261	NRCS MAP UNIT DESC
400140651	FORM 2A APPROVED
400151765	LOCATION DRAWING
400151766	HYDROLOGY MAP
400151767	ACCESS ROAD MAP
400151768	LOCATION PICTURES
400151769	LOCATION PICTURES
400156937	NRCS MAP UNIT DESC
400176780	FORM 2A SUBMITTED

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Ready to pass	6/3/2011 10:34:54 AM
OGLA	Operator verbally approved COAs on 6/3/2011.	6/3/2011 10:33:20 AM
OGLA	Operator supplied updated location drawing on 6/2/2011.	6/3/2011 10:32:30 AM
OGLA	Waiting on the operator to provide updated drawings.	5/31/2011 1:18:42 PM
Permit	Back to draft for NCRS attachment. sf	4/20/2011 1:59:15 PM

Total: 5 comment(s)

BMP

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

Total: 6 comment(s)