

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



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Document Number:  
400058409

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 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:  
**418750**  
Expiration Date:  
**08/12/2013**

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: 10311  
Name: SYNERGY RESOURCES CORPORATION  
Address: 20203 HIGHWAY 60  
City: PLATTEVILLE State: CO Zip: 80651

3. Contact Information

Name: Rhonda Sandquist  
Phone: (970) 737-1073  
Fax: (970) 737-1045  
email: pm3rsandquist@aol.com

4. Location Identification:

Name: RBF Number: 15B  
County: WELD  
QuarterQuarter: SESW Section: 15 Township: 6N Range: 67W Meridian: 6 Ground Elevation: 4781  
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: 1125 feet, from North or South section line: FSL and 1356 feet, from East or West section line: FWL  
Latitude: 40.482734 Longitude: -104.884154 PDOP Reading: 1.5 Date of Measurement: 04/16/2010  
Instrument Operator's Name: John C. Barickman

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

Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text"/>	Wells: <input type="text" value="6"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="2"/>	Separators: <input type="text" value="4"/>	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" value="1"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text" value="2"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text" value="4"/>	Fuel Tanks: <input type="text"/>	

Other: \_\_\_\_\_

6. Construction:

Date planned to commence construction: 09/01/2010 Size of disturbed area during construction in acres: 1.85
Estimated date that interim reclamation will begin: 11/01/2010 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 4781 Will a closed loop system be used for drilling fluids: Yes [X]
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 [ ] Disposal Facility [X]
Other: \_\_\_\_\_

7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_
Address: \_\_\_\_\_ Fax: \_\_\_\_\_
Address: \_\_\_\_\_ Email: \_\_\_\_\_
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 04/30/2010
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: [X] 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:

[X] Well Surety ID: 20090043 [ ] Gas Facility Surety ID: \_\_\_\_\_ [ ] Waste Mgnt. Surety ID: \_\_\_\_\_

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes [X] No [ ]
Distance, in feet, to nearest building: 468 , public road: 324 , above ground utilit: 1128
, railroad: 1425 , property line: 195

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

Crop Land: [ ] Irrigated [ ] Dry land [ ] Improved Pasture [ ] Hay Meadow [ ] CRP
Non-Crop Land: [ ] Rangeland [ ] Timber [ ] Recreational [X] Other (describe): open field
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 [X] 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: #31 Kim loam, 0 to 1 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 (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: 198, water well: 1900, depth to ground water: 6

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:

The RBF 15B is a verticle well. All other wells on the pad are being drilled directionally to minimize surface impact. A Closed-Loop-Pitless system is being utilized. Town of Windsor USR is bieng obtained by the operator.

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

Signed: \_\_\_\_\_ Date: 07/16/2010 Email: craigasmuson@comcast.net

Print Name: Craig Rasmuson Title: Mgr. of Land & Field Ops.

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: 8/13/2010

**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.**

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

**Attachment Check List**

Att Doc Num	Name	Doc Description
1641877	CORRESPONDENCE	LF@2519449 1641877
400058409	FORM 2A SUBMITTED	LF@2512060 400058409
400072041	LOCATION PICTURES	LF@2512061 400072041
400072048	LOCATION DRAWING	LF@2512483 400072048
400072053	HYDROLOGY MAP A, TOPO	LF@2512064 400072053
400072058	NRCS MAP UNIT DESC	LF@2512065 400072058
400072059	ACCESS ROAD MAP	LF@2512066 400072059
400072527	OIL & GAS LEASE	LF@2512067 400072527
400072528	OIL & GAS LEASE	LF@2512068 400072528
400077274	MULTI-WELL PLAN	LF@2512069 400077274

Total Attach: 10 Files

**General Comments**

User Group	Comment	Comment Date
OGLA	<p data-bbox="264 113 1057 140">From: pm3RSandquist@aol.com [mailto:pm3RSandquist@aol.com]</p> <p data-bbox="264 174 724 201">Sent: Friday, August 06, 2010 1:28 PM</p> <p data-bbox="264 235 493 262">To: Andrews, Doug</p> <p data-bbox="264 296 1235 352">Subject: Re: RBF 15B - COGCC Location Assessment Form 2A (Doc. 400058409) review for S...</p> <p data-bbox="264 386 1219 443">Thank you Doug. In reply to #4, we will be using a closed loop system. Thanks so much for your help on this.</p> <p data-bbox="264 476 485 504">Rhonda Sandquist</p> <p data-bbox="264 537 643 564">Synergy Resources Corporation</p> <p data-bbox="264 598 485 625">20203 Highway 60</p> <p data-bbox="264 659 505 686">Platteville, Co 80651</p> <p data-bbox="264 720 456 747">970-737-1073-P</p> <p data-bbox="264 781 456 808">970-737-1045-F</p> <p data-bbox="264 842 1057 898">In a message dated 8/6/2010 1:02:46 P.M. Mountain Daylight Time, Doug.Andrews@state.co.us writes:</p> <p data-bbox="264 932 363 959">Rhonda,</p> <p data-bbox="264 993 1235 1083">The COGCC has reviewed the Form 2A for the RBF 15B location, SESW Sec 15 T6N R67W, Weld County. As a follow-up to our telephone conversation I wanted to summarize what we agreed to change on the Form 2A.</p> <ol data-bbox="264 1117 1235 1604" style="list-style-type: none"> <li>1) Facilities – You have asked that I change the number of wells to 6, water tanks to 2, separators to 4 and oil tanks to 4 on the Form 2A. Please let me know if this is correct.</li> <li>2) Current Land Use – We have agreed that the Current Land Use at the proposed oil and gas location be changed to Other: open field on the Form 2A. Please let me know if this is correct.</li> <li>3) Water Resources – Because the depth to ground water in the area of the oil and gas location is shallow (6 feet) please approve changing the sensitive area designation from No to Yes on the Form 2A.</li> <li>4) Conditions of Approval – Because depth to ground water is shallow (6 feet) in the area of the oil and gas location, please approve adding the following COA to the Form 2A: “Location is in a sensitive area because of shallow groundwater; therefore, either a lined drilling pit or closed loop system is required.”</li> </ol> <p data-bbox="264 1638 1235 1665">If you have any questions about these changes to the Form 2A, please contact me.</p> <p data-bbox="264 1698 415 1726">Respectfully,</p> <p data-bbox="264 1759 505 1787">R. Douglas Andrews</p> <p data-bbox="264 1820 760 1848">Oil &amp; Gas Location Assessment Specialist</p> <p data-bbox="264 1881 810 1908">Colorado Oil &amp; Gas Conservation Commission</p>	8/13/2010 8:21:58 AM

Permit	Per Rhonda Sandquist, because the surface owner is the signer of the O&G lease, the surface owner is the executor of the O&G lease. Checked surface owner "is executor of O&G lease" PVG	8/13/2010 8:21:58 AM
OGLA	OGLA task passed.	8/13/2010 8:21:15 AM

Total: 3 comment(s)

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