

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:

400024224

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:

416182

Expiration Date:

03/25/2013
☒ 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: 75027

Name: ROSEWOOD RESOURCES INC

Address: 2101 CEDAR SPRINGS RD STE 1500

City: DALLAS State: TX Zip: 75201

3. Contact Information

Name: Sherri Wilson

Phone: (214) 849-9333

Fax: (214) 849-9333

email: swilson@rosewd.com

4. Location Identification:

Name: Elmer Number: 14-33 SWD

County: YUMA

QuarterQuarter: SWSW Section: 33 Township: 5S Range: 43W Meridian: 6 Ground Elevation: 3796

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: 196 feet, from North or South section line: FSL and 192 feet, from East or West section line: FWL

Latitude: 39.573300 Longitude: -102.192430 PDOP Reading: 2.5 Date of Measurement: 11/20/2009

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" 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="3"/> | Separators: <input type="text"/> | Electric Motors: <input type="text" value="1"/> | Multi-Well Pits: <input type="text"/> |
| Gas or Diesel Motors: <input type="text" value="6"/> | Cavity Pumps: <input type="text"/> | LACT Unit: <input type="text"/> | Pump Jacks: <input type="text"/> | Pigging Station: <input type="text" value="1"/> |
| Electric Generators: <input type="text"/> | Gas Pipeline: <input type="text" value="0"/> | Oil Pipeline: <input type="text"/> | Water Pipeline: <input type="text" value="1"/> | Flare: <input type="text"/> |
| Gas Compressors: <input type="text"/> | VOC Combustor: <input type="text"/> | Oil Tanks: <input type="text"/> | Fuel Tanks: <input type="text"/> | |

Other: 2 existing water tanks and one new water tank

6. Construction:

Date planned to commence construction: 06/01/2010 Size of disturbed area during construction in acres: 1.00
Estimated date that interim reclamation will begin: 09/01/2010 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 3796 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: Elmer C. Schaal Estate Phone: 719-346-8384
Address: 30082 County Road 43 Fax: _____
Address: _____ Email: _____
City: Bethune State: CO Zip: 80805 Date of Rule 306 surface owner consultation: 12/22/2009
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: 19960120 ☒ Gas Facility Surety ID: 20030097 ☐ 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: 288, public road: 162, above ground utilit: 154
, railroad: 5280, property line: 192

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 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: Haxton Sandy Loam

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, Little bluestem, Sand bluestem, Switchgrass, Needleandthread, Sideoats gamma, Sun sedge, Western wheatgrass

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: 5280, water well: 1700, depth to ground water: 117

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:

1. Railroad is located more than a mile away (south of location towards Burlington, CO). 2. Height of ADT Rig #114 is 75 feet. 3. Reference Area is located adjacent to and on undisturbed ground north of the location. location photos are reference photos. 4. The tanks in the location pictures are production water tanks owned by Rosewood Resources. 5. The nearest surface water is 2.2 miles away (Bonny Reservoir). 6). intermittent stream does not exist, no culvert under the road. 7) sensitive area due to location in Northern High Plains Designated Groundwater Basin

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

Signed: _____ Date: 02/09/2010 Email: swilson@rosewd.com

Print Name: Sherri Wilson Title: Geology Tech

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. Nash

COGCC Approved: _____

Director of COGCC

Date: 3/26/2010

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.

Attachment Check List

| Att Doc Num | Name | Doc Description |
|-------------|-------------------------|----------------------|
| 1784890 | NRCS MAP UNIT DESC | LF@2437702 1784890 |
| 1784906 | CORRESPONDENCE | LF@2437696 1784906 |
| 1784907 | HYDROLOGY MAP | LF@2438376 1784907 |
| 400037191 | LOCATION PICTURES | LF@2427940 400037191 |
| 400037192 | LOCATION DRAWING | LF@2427941 400037192 |
| 400037193 | ACCESS ROAD MAP | LF@2427942 400037193 |
| 400037199 | REFERENCE AREA MAP | LF@2427943 400037199 |
| 400037203 | REFERENCE AREA PICTURES | LF@2427944 400037203 |
| 400037208 | NRCS MAP UNIT DESC | LF@2427945 400037208 |
| 400044063 | HYDROLOGY MAP | LF@2427946 400044063 |
| 400044435 | FORM 2A SUBMITTED | LF@2427947 400044435 |

Total Attach: 11 Files