

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:

1712621

**Oil and Gas Location Assessment**

☐ New Location ☒ Amend Existing Location Location#: 316485

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:

**316485**

Expiration Date:

**11/14/2012**

☒ 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: 10286

Name: WILLIAMS PRODUCTION RYAN GULCH LLC

Address: 1515 ARAPAHOE ST TWR 3 STE 1000

City: DENVER State: CO Zip: 80202

**3. Contact Information**

Name: JENNIFER HEAD

Phone: (303) 606-4342

Fax: (303) 629-8268

email: JENNIFER.HEAD@WILLIAMS.COM

**4. Location Identification:**

Name: FEDERAL 299-27-5 SWD Number: \_\_\_\_\_

County: RIO BLANCO

QuarterQuarter: SWNE Section: 27 Township: 2S Range: 99W Meridian: 6 Ground Elevation: 7176

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: 1888 feet, from North or South section line: FNL and 1837 feet, from East or West section line: FEL

Latitude: 39.849337 Longitude: -108.487708 PDOP Reading: 2.4 Date of Measurement: 08/23/2009

**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="1"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="text" value="2"/>	Water Tanks: <input type="text" value="12"/>	Separators: <input type="text" value="2"/>	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="text" value="2"/>	Gas Pipeline: <input type="checkbox"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="text" value="2"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="checkbox"/>	Fuel Tanks: <input type="text" value="2"/>	

Other: 2 FILTERS, 12'X80' PUMP HOUSE W/ADDITIONAL INJECTION FILTERS & 6 PUMPS, 4 INJECTION CHEMICAL TANKS.

6. Construction:

Date planned to commence construction: 11/01/2009 Size of disturbed area during construction in acres: 1.30  
Estimated date that interim reclamation will begin: 04/15/2010 Size of location after interim reclamation in acres: 0.90  
Estimated post-construction ground elevation: 7176 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 executor 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: \_\_\_\_\_ ☐ 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: 1229, public road: 470, above ground utilit: 41184  
, railroad: 190080, property line: 3223

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: MAP UNIT 70. REDCREEK-RENTSAC COMPLEX

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: CHEATGRASS (BROMUS TECTORUM) PRESENT ADJACENT TO SOUTHWEST CORNER OF REFERENCE AREA.

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): NOTE: INFORMATION REPRESENTS REFERENCE AREA, DUE TO THE FED. 299-27-5 BEING AN EXISTING LOCATION.

### 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: 1546, water well: 6653, depth to ground water: 480

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:

LOCATION IS WITHIN ELK PRODUCTION AREA. 2) LOCATION IS EXISTING, SINGLE WELL PAD, ON WHICH MOST INTERIM RECLAMATION HAS ALREADY OCCURRED. THE ADDITIONAL FACILITIES PROPOSED FOR CONVERSION AND USE OF THE WELL AS A SALT WATER DISPOSAL FACILITY WILL BE PLACED WITHIN THE EXISTING PAD AREA. WATER LINES WILL EVENTUALLY BE INSTALLED ON THE LOCATION TO ENABLE TRANSPORT TO AND FROM THE SITE WITHOUT THE NEED FOR TRUCK TRAFFIC. 3) NEAREST BUILDING IS WILLIAMS' SAGEBRUSH GAS TREATING AND COMPRESSOR FACILITY TO EAST OF LOCATION. 4) NEAREST SURFACE WATER IS INTERMITTENT DRAINAGE TO WEST OF LOCATION. 5) ALL TANKAGE WILL HAVE SECONDARY CONTAINMENT. 6) THIS LOCATION ASSESSMENT IS PART OF AN APPLICATION PACKAGE FOR CONVERSION OF THE EXISTING WELL TO SALT WATER DISPOSAL, WHICH CONSISTS OF: FORM 33, "INJECTION WELL PERMIT APPLICATION"; FORM 31 "UNDERGROUND INJECTION FORMATION PERMIT APPLICATION"; FORM 26, "SOURCE OF PRODUCED WATER FOR DISPOSAL".

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

Signed: \_\_\_\_\_ Date: 09/11/2009 Email: JENNIFER.HEAD@WILLIAMS.COM

Print Name: JENNIFER HEAD Title: REGULATORY

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: 11/15/2009

### **Attachment Check List**

Att Doc Num	Name	Doc Description
1712621	FORM 2A	LF@2141501 1712621
1712623	LOCATION PICTURES	LF@2141493 1712623
1712624	LOCATION DRAWING	LF@2141496 1712624
1712625	HYDROLOGY MAP	LF@2141497 1712625
1712626	LOCATION PICTURES	LF@2141495 1712626
1712627	ACCESS ROAD MAP	LF@2141498 1712627
1712628	REFERENCE AREA MAP	LF@2141499 1712628
1712629	REFERENCE AREA PICTURES	LF@2141500 1712629
1712630	NRCS MAP UNIT DESC	LF@2141502 1712630
1712631	CONST. LAYOUT DRAWINGS	LF@2141503 1712631
1712632	PROPOSED BMPs	LF@2141505 1712632
1940563	WELL LOCATION PLAT	LF@2141504 1940563
2032648	CORRESPONDENCE	LF@2179184 2032648
2032649	CORRESPONDENCE	LF@2179185 2032649
2032650	LAYOUT DRAWING	LF@2179186 2032650

Total Attach: 15 Files