

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:

2585383

**Oil and Gas Location Assessment**

☐ New Location ☒ Amend Existing Location Location#: 315608

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:

**315608**

Expiration Date:

**03/01/2013**

☒ 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: 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 RG 22-5-397 PAD Number: \_\_\_\_\_

County: RIO BLANCO

QuarterQuarter: SENW Section: 5 Township: 3S Range: 97W Meridian: 6 Ground Elevation: 6647

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: 2321 feet, from North or South section line: FNL and 2256 feet, from East or West section line: FWL

Latitude: 39.819147 Longitude: -108.306687 PDOP Reading: 2.4 Date of Measurement: 09/11/2008

**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="text" value="2"/>	Wells: <input type="text" value="8"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="text" value="6"/>	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="checkbox"/>	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="checkbox"/>	

Other: 8 OTHER CHEMICAL INJECTION PUMPS, 1 METHANOL TANK

## 6. Construction:

Date planned to commence construction: 10/01/2010 Size of disturbed area during construction in acres: 5.30  
Estimated date that interim reclamation will begin: 05/01/2011 Size of location after interim reclamation in acres: 1.50  
Estimated post-construction ground elevation: 6644 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: EVAPORATION &  
BACKFILLING

## 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: 20030107 ☐ 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: 18004, public road: 220, above ground utilit: 18004  
, railroad: 143616, property line: 924

## 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 COMPLES (PROXIMAL FINE SANDY LOAM) 5-30 % 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: 08/20/2009

List individual species: SAGEBRUSH. PINYON. JUNIPER. GRAMMA. WHEATGRASS. NO NOXIOUS WEED SPECIES PRESENT.

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: 602, water well: 1832, depth to ground water: 794

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) ITEM 4, REFERENCE LOCATION SELECTED IS FEDERAL RG 532-5-397, FOR WHICH AN APD REFILE HAS BEEN SUBMITTED AND ACCOMPANIES THIS APPLICATION. (2) ITEM 6, SMALL EXISTING PAD TO BE EXPANDED TO APPROX. 320'X450'. EXISTING BLOWOUT PIT IS A LEGACY PIT AND WILL BE RECLAIMED ONCE CONSTRUCTION BEGINS. (3) ITEM 9, CULTURAL RESOURCES MEASURED AS FOLLOWS: BUILDING MEASURED NE TOWARDS CR 5, PUBLIC ROAD MEASURED E TO CR 69, ABOVE GROUND UTILITY MEASURED NE TO CR-5, PROPERTY LINE MEASURED SE TO NWSE OF SEC 5 T3S-R97W. DERRICK HEIGHT IS 142 FEET. (4) ITEM 14, DISTANCE TO NEAREST SURFACE WATER MEASURED DUE EAST TO HUNTER CREEK. (5) ITEM 14, WATER LEVEL OF NEAREST WATER WELL (BLM STOCK WELL IN SWSE OF Sec 32, T2S-R97W, PERMIT #128267) SHOWS STATIC WATER LEVEL OF 794 FEET. (6) CONSTRUCTION LAYOUT DRAWING pg 1 OF 2: SLOT LIST IDENTIFIES 22 SLOTS, 14 OF WHICH ARE OPEN LOCATIONS THAT ARE NOT PLANNED FOR DRILLING. THERE IS ONE EXISTING WELL. THIS TRIP WILL INCLUDE THE THREE WELLS ASSOCIATED WITH THIS 2A. FOUR WELLS REMAIN TO BE ADDED AT A LATER DATE. (7) THE FOLLOWING 3 WELLS ARE CURRENTLY LINKED TO THIS FORM 2A AND FORM 2'S HAVE BEEN FILED CONCURRENTLY WITH THIS 2A APPLICATION. FEDERAL RG 12-5-397, FEDERAL RG 13-5-397, FEDERAL RG 532-5-397 (APD refile). (8) RECLAMATION REFERENCE AREA IS IMMEDIATELY ADJACENT TO THE LOCATION. REFERENCE AREA PHOTOS WILL BE TAKEN AT A LATER DATE, DUE TO SNOW COVER.

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

Signed: \_\_\_\_\_ Date: 12/22/2009 Email: JENNIFER.HEAD@WILLIAMS.COM

Print Name: JENNIFER HEAD Title: REGULATORY SPECIALIST

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: 3/2/2010

**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.**

No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.

Reserve pit must be lined.

The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1.

### **Attachment Check List**

Att Doc Num	Name	Doc Description
1641113	CORRESPONDENCE	LF@2214285 1641113
2032802	CORRESPONDENCE	LF@2247799 2032802
2098635	LOCATION DRAWING	LF@2204791 2098635
2105176	LOCATION PICTURES	LF@2211461 2105176
2585375	CONST. LAYOUT DRAWINGS	LF@2204741 2585375
2585378	LOCATION DRAWING	LF@2204743 2585378
2585381	PROPOSED BMPs	LF@2204742 2585381
2585383	FORM 2A	LF@2204738 2585383
2585384	LOCATION PICTURES	LF@2204788 2585384
2585385	LOCATION DRAWING	LF@2204739 2585385
2585386	HYDROLOGY MAP	LF@2204793 2585386
2585387	ACCESS ROAD MAP	LF@2204792 2585387
2585388	REFERENCE AREA MAP	LF@2204790 2585388
2585389	NRCS MAP UNIT DESC	LF@2204740 2585389
2585390	MULTI-WELL PLAN	LF@2204789 2585390

Total Attach: 15 Files