

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:

400088142

## Oil and Gas Location Assessment

☐ New Location
 ☒ Amend Existing Location
 Location#: 335919

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:

**335919**

Expiration Date:

**09/28/2013**☒ 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: 96850

Name: WILLIAMS PRODUCTION RMT COMPANY

Address: 1515 ARAPAHOE ST 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 Number: RGU 41-1-298

County: RIO BLANCO

Quarter: LOT 21 Section: 1 Township: 2S Range: 98W Meridian: 6 Ground Elevation: 6576

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: 803 feet, from North or South section line: FNL and 572 feet, from East or West section line: FEL

Latitude: 39.910260 Longitude: -108.335159 PDOP Reading: 2.5 Date of Measurement: 08/04/2010

Instrument Operator's Name: John Richardson

## 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="3"/>	Wells: <input type="text" value="8"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="6"/>	Water Tanks: <input type="text" value="6"/>	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" value="2"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

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

## 6. Construction:

Date planned to commence construction: 02/01/2011 Size of disturbed area during construction in acres: 6.60  
Estimated date that interim reclamation will begin: 05/01/2012 Size of location after interim reclamation in acres: 1.60  
Estimated post-construction ground elevation: 6572 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: \_\_\_\_\_ ☐ 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: 11035, public road: 1487, above ground utilit: 12566  
, railroad: 121440, property line: 4075

## 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: 73 - Rentsac Channery 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: 08/04/2010

List individual species: No noxious weeds observed as of 8/4/2010

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: 234, water well: 6758, depth to ground water: 50

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:

(1) Reference Point selected is the 432-1-298 well, for which an APD refile accompanies this application (2) The Federal RGU 41-1-298 is a new location (3) Cultural resources are measured as follows: Building measured to structures along CR 24; Public road measured to Natec Rd; Utility measured out past CR 5; Property line measured to Sec 3, T2S-R98W (4) Water resources: distance to nearest surface water measured to nearest blue line drainage; nearest water well (SWNW Sec 12, T2S-R98W, Permit #4830, stock pond) shows a depth to ground water of 50' (5) Construction layout drawing slot list shows 22 slots, 2 of which are opened and not currently planned for drilling. The following 5 APD refiles are associated with this application: Federal RGU 432-,441-,342-, 542-1-298 and 411-6-297. 3 new APDs are also associated with this application: Federal RGU 531-,331-,41-1-298 (6) Location has not been constructed (7) Reference area pictures will be submitted within 1 year

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

Signed: \_\_\_\_\_ Date: 08/27/2010 Email: Jennifer.Head@Williams.com

Print Name: Jennifer Head Title: Regulatory Team Lead

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: David S. Neslin Director of COGCC Date: 9/29/2010

**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.**

Reserve pit must be lined. If the existing reserve/drilling or multi-well pit is not lined, then it must be lined in accordance with COGCC Rule 904 prior to being used.

Location is in a sensitive area because of close proximity to surface water, therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.

Operator must implement best management practices to contain any unintentional release of fluids.

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.

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.

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures sufficiently protective of nearby surface water. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.

**Attachment Check List**

Att Doc Num	Name	Doc Description
2033379	CORRESPONDENCE	LF@2541571 2033379
400088142	FORM 2A SUBMITTED	LF@2532032 400088142
400088279	LOCATION PICTURES	LF@2532033 400088279
400088280	LOCATION DRAWING	LF@2532034 400088280
400088281	HYDROLOGY MAP	LF@2532036 400088281
400088282	ACCESS ROAD MAP	LF@2532037 400088282
400088283	REFERENCE AREA MAP	LF@2532038 400088283
400088284	REFERENCE AREA PICTURES	LF@2532039 400088284
400088285	NRCS MAP UNIT DESC	LF@2532040 400088285
400088287	CONST. LAYOUT DRAWINGS	LF@2532041 400088287
400088289	MULTI-WELL PLAN	LF@2532042 400088289
400088291	PROPOSED BMPs	LF@2532044 400088291
400088293	SENSITIVE AREA DATA	LF@2532045 400088293

Total Attach: 13 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Agency	Initiated/Completed OGLA Form 2A review on 08-30-10 by Dave Kubeczko; requested clarifications and acknowledgement of close SW fluid containment, spill/release BMPs, lined pits/closed loop, cuttings low moisture content, no pit in fill COAs from operator on 08-30-10; received clarifications and acknowledgement of COAs from operator on 08-31-10; passed by CDOW on 09-14-10 with BLM stipulations and COAs acceptable; passed OGLA Form 2A review on 09-20-10 by Dave Kubeczko; close SW fluid containment, spill/release BMPs, lined pits/closed loop, cuttings low moisture content, no pit in fill COAs.	9/15/2010 8:31:38 AM
DOW	CDOW has reviewed the lease agreement between the operator and the WRFO of BLM. CDOW affirms that the stipulations as defined by the lease agreement to be conditions of approval for this location.  Submitted by: Ed Winters, Land Use Specialist  14 September 2010 @ 11:58	9/14/2010 12:00:25 PM
DOW	CDOW has reviewed the lease agreement between the operator and the WRFO of BLM. CDOW affirms that the stipulations as defined by the lease agreement to be conditions of approval for this location.  Submitted by: Ed Winters, Land Use Specialist  14 September 2010 @ 11:58	9/14/2010 12:00:18 PM
Permit	Opr corrected	8/30/2010 11:40:00 AM
Permit	Back to draft for correct Qtr/Qtr	8/30/2010 10:02:41 AM

Total: 5 comment(s)

Error: Subreport could not be shown.