

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:  
400088411

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:  
**419862**  
Expiration Date:  
**10/14/2013**

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: Greg Davis  
Phone: (303) 606-4071  
Fax: (303) 629-8268  
email: Greg.J.Davis@Williams.com

4. Location Identification:

Name: Mead Number: RWF 43-23  
County: GARFIELD  
Quarter: NESE Section: 23 Township: 6S Range: 94W Meridian: 6 Ground Elevation: 5604  
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: 2292 feet, from North or South section line: FSL and 264 feet, from East or West section line: FEL  
Latitude: 39.510011 Longitude: -107.847131 PDOP Reading: 2.2 Date of Measurement: 01/13/2010  
Instrument Operator's Name: J. Kirkpatrick

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

Special Purpose Pits: <input type="text" value="1"/>	Drilling Pits: <input type="text"/>	Wells: <input type="text" value="16"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="2"/>	Water Tanks: <input type="text" value="3"/>	Separators: <input type="text" value="16"/>	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="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: Cuttings Trench, Special Purpose Pit = Flare Pit

6. Construction:

Date planned to commence construction: 01/01/2011 Size of disturbed area during construction in acres: 8.00  
 Estimated date that interim reclamation will begin: 09/01/2011 Size of location after interim reclamation in acres: 1.33  
 Estimated post-construction ground elevation: 5599 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: Re-use and evaporation

7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 01/29/2010  
 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 Mgnt. Surety ID: \_\_\_\_\_

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes  No   
 Distance, in feet, to nearest building: 674, public road: 1701, above ground utilit: 798  
 , railroad: 2019, property line: 184

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: 34 - Ildefonso stony loam, 25 to 45% slopes

NRCS Map Unit Name: 55 - Potts loam, 3 to 6% slopes

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: 06/24/2010

List individual species: Sage, Cheatgrass

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: 1242, water well: 764, depth to ground water: 110

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:

Because this location is in a sensitive area (See attached SAD), Williams will employ the following BMP's to support protection of surface and groundwater. Williams will ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations. Williams will implement best management practices to contain any unintentional release of fluids. Either a lined drilling pit or closed loop system will be implemented.

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

Signed: \_\_\_\_\_ Date: 09/02/2010 Email: Greg.J.Davis@Williams.com

Print Name: Greg Davis Title: Supervisor Permits

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: 10/15/2010

**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.**

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.

The location is in an area of moderate run off/run-on potential; therefore the pad shall be constructed to prevent any stormwater run-on and/or stormwater runoff.

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.

Any pit that will hold liquids [if constructed], must be lined or a closed loop system (which has been indicated on the Form 2A by Williams) must be implemented during drilling.

**Attachment Check List**

Att Doc Num	Name	Doc Description
2033395	CORRESPONDENCE	LF@2542093 2033395
400088411	FORM 2A SUBMITTED	LF@2537182 400088411
400088466	LOCATION PICTURES	LF@2537183 400088466
400088468	HYDROLOGY MAP	LF@2537184 400088468
400088469	ACCESS ROAD MAP	LF@2537185 400088469
400088470	REFERENCE AREA MAP	LF@2537186 400088470
400088471	NRCS MAP UNIT DESC	LF@2537187 400088471
400088472	CONST. LAYOUT DRAWINGS	LF@2537188 400088472
400088474	PROPOSED BMPs	LF@2537189 400088474
400088478	SENSITIVE AREA DATA	LF@2537190 400088478
400088479	OTHER	LF@2537191 400088479
400088481	SURFACE AGRMT/SURETY	LF@2537192 400088481
400089076	MULTI-WELL PLAN	LF@2537193 400089076
400090737	LOCATION DRAWING	LF@2537194 400090737

Total Attach: 14 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
OGLA	Initiated/Completed OGLA Form 2A review on 09-09-10 by Dave Kubeczko; requested clarifications and acknowledgement of fluid containment, spill/release BMPs, lined pits/closed loop, cuttings low moisture content, no pit in fill, stormwater BMP COAs from operator on 09-09-10; received clarifications and acknowledgement of COAs from operator on 09-09-10; passed by CDOW on 09-08-10, with operator submitted BMPs (with permit application) acceptable, also part of WMP; passed OGLA Form 2A review on 09-28-10 by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, cuttings low moisture content, no pit in fill, stormwater BMP COAs.	9/9/2010 2:18:33 PM
DOW	This well pad is located within the boundary of the approved and signed Williams-CDOW South of the River Wildlife Mitigation Plan. The BMPs were developed and agreed upon in consultation and development of the Wildlife Mitigation Plan.  The BMPs as submitted by the operator are appropriate for the site and species affected.  by Michael Warren on Wednesday, September 8, 2010 and 3:00 P.M.	9/8/2010 3:02:27 PM
Permit	opr resubmitted with revised location drawing	9/7/2010 1:30:58 PM
Permit	returning the form 2A referenced above to Draft because: •The location drawing does not address visible improvements within 400' opr notified	9/3/2010 12:16:29 PM

Total: 4 comment(s)

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