

FORM
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04/01State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400201633

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 standalone 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:

426123

Expiration Date:

10/20/2014
☐ 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 LLC

Address: 1001 17TH STREET - SUITE #1200

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: Bosely Number: SG 32-23

County: GARFIELD

QuarterQuarter: LOT 3 Section: 23 Township: 7S Range: 96W Meridian: 6 Ground Elevation: 5040

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: 1921 feet FNL, from North or South section line, and 2487 feet FEL, from East or West section line.

Latitude: 39.425239 Longitude: -108.076353 PDOP Reading: 1.9 Date of Measurement: 04/14/2011

Instrument Operator's Name: Robert Kay

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"/>	Wells: <input type="text" value="5"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="2"/>	Water Tanks: <input type="text" value="2"/>	Separators: <input type="text" value="5"/>	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: _____

6. Construction:

Date planned to commence construction: 12/01/2011 Size of disturbed area during construction in acres: 1.80
 Estimated date that interim reclamation will begin: 04/02/2012 Size of location after interim reclamation in acres: 1.00
 Estimated post-construction ground elevation: 5038 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: 07/20/2005
 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: 2080 , public road: 241 , above ground utilit: 158
 , railroad: 251 , property line: 294

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: 72 Wann Sandy Loam, 1 to 3% 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: 09/06/2011
List individual species: Cheatgrass, Crested Wheatgrass, Cottonwood, Tamarisk, Sage

Check all plant communities that exist in the disturbed area.

- ☒ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
☒ Native Grassland (Bluestem, 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: 260, water well: 909, depth to ground water: 6
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:

Because this location is in a Sensitive Area (See attached SAD), Williams will employ the following BMP's to support protection of surface and ground water: Williams will ensure 110% 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: 09/22/2011 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.

COGCC Approved: David S. Neslin Director of COGCC Date: 10/21/2011

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.

Power lines are to be relocated to allow for appropriate setback, see location drawing.

SITE SPECIFIC COAs:

Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline or pit located on the well pad or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.

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
2034037	CORRESPONDENCE
400201633	FORM 2A SUBMITTED
400201642	MULTI-WELL PLAN
400201645	SURFACE AGRMT/SURETY
400201667	NRCS MAP UNIT DESC
400201669	LOCATION PICTURES
400205127	ACCESS ROAD MAP
400205128	PROPOSED BMPs
400205129	CONST. LAYOUT DRAWINGS
400205130	HYDROLOGY MAP
400205131	LOCATION DRAWING
400205132	REFERENCE AREA MAP
400205133	REFERENCE AREA PICTURES
400205134	SENSITIVE AREA DATA

Total Attach: 14 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	DOW comments addressed by COA's & BMP's submitted by Williams. LGD/pub. comm. waived. Final Comprehensive Review Status--passed.	10/20/2011 11:05:57 AM
OGLA	Initiated/Completed OGLA Form 2A review on 10-10-11 by Dave Kubeczko; placed flowback to tanks only, cuttings low moisture content COAs; passed by CDPW on 09-22-11 with WMP and BMPs acceptable; passed OGLA Form 2A review on 10-19-11 by Dave Kubeczko; flowback to tanks only, cuttings low moisture content COAs.	10/9/2011 6:47:15 PM
DOW	This well pad location is within the boundary of the CPW-Williams, SOR Wildlife Mitigation Plan.All BMPs and COAs of that plan are applicable to the site. Thursday, September 22, 2011 at 11:50 a.m.	9/22/2011 11:50:42 AM

Total: 3 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Interim Reclamation	<p>PRODUCTION/RECLAMATION BMP's</p> <ul style="list-style-type: none">• Utilize staked soil retention blankets for erosion control and reclamation of large surface areas with 1.5:1 or steeper slopes. Avoid use of plastic blanket materials.• Restore both form and function of impacted wetlands and riparian areas and mitigate erosion.• Remove well pad and road surface materials that are incompatible with post-production land use and re-vegetation requirements• Use only certified weed-free native seed in seed mixes, except for non-native plants that benefit wildlife• Williams will use certified, weed free grass hay, straw, hay or other mulch materials used for the reseeding and reclamation of disturbed areas.• Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents and openings.• Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors.
Planning	<p>PLANNING BMP's</p> <ul style="list-style-type: none">• Share/consolidate corridors for pipeline ROWs to the maximum extent possible.• Maximize the utility of surface facilities by developing multiple wells from a single pad (directional drilling), and by co-locating multipurpose facilities (for example, well pads and compressors) to avoid unnecessary habitat fragmentation and disturbance of additional geographic areas.• Avoid constructing any road segment in the channel of an intermittent or perennial stream• Combine and share roads to minimize habitat fragmentation• Maximize the use of directional drilling to minimize habitat loss/fragmentation• Maximize use of remote telemetry for well monitoring to minimize traffic• Minimize the duration of development and avoid repeated or chronic disturbance of developed areas. Complete all anticipated drilling within a phased, concentrated, development area during a single, uninterrupted time period.

Total: 2 comment(s)