

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:

400107817

Oil and Gas Location Assessment

☐ New Location
 ☒ Amend Existing Location
 Location#: 323787

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:

323787

Expiration Date:

03/08/2014☒ 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: 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: ExxonMobil Number: MV 10-23

County: GARFIELD

QuarterQuarter: NWSW Section: 23 Township: 6S Range: 96W Meridian: 6 Ground Elevation: 5974

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: 1834 feet FSL, from North or South section line, and 804 feet FWL, from East or West section line.

Latitude: 39.506308 Longitude: -108.083283 PDOP Reading: 3.7 Date of Measurement: 04/13/2010

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="21"/> | Production Pits: <input type="text"/> | Dehydrator Units: <input type="text"/> |
| Condensate Tanks: <input type="text" value="6"/> | Water Tanks: <input type="text" value="1"/> | Separators: <input type="text" value="21"/> | 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: 03/15/2011 Size of disturbed area during construction in acres: 1.15
Estimated date that interim reclamation will begin: 05/01/2012 Size of location after interim reclamation in acres: 0.49
Estimated post-construction ground elevation: 5965 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: 11/10/2010
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: _____ ☐ 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: 9593, public road: 9287, above ground utilit: 8122
, railroad: 12637, property line: 1148

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: 9 Badland

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: 10/11/2010

List individual species: Wheatgrass, Sage, Juniper

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): Existing Well Pad

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: 208, water well: 9580, depth to ground water: 73

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 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 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: 02/09/2011 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.

David S. Neslin

COGCC Approved: _____

Director of COGCC

Date: 3/9/2011

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.

GENERAL COAs:

Flowback and stimulation fluids must be sent to tanks to allow the sand to settle out before the fluids can be placed into any pipeline or pit located on the well pad. The flowback and stimulation fluid tanks 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 (per Rule 604.a.(4)).

Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.

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.

The location is in an area of high run off/run-on potential; therefore the pad shall be constructed as quickly as possible and appropriate BMPs need to be in place both during, after well pad construction completion, as well as during all drilling and well completion operations. Standard stormwater BMPs must be implemented at this location to insure compliance with CDPHE and COGCC requirements and to prevent any stormwater run-on and/or stormwater runoff.

SENSITIVE AREA (CLOSE PROXIMITY TO SURFACE WATER) COAs:

Notify the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us) and the COGCC Field Inspection Supervisor for Northwest Colorado (Shaun Kellerby; email shaun.kellerby@state.co.us) 48 hours prior to start of construction.

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.

Reserve pit, or any other pit used to contain/hold fluids, if constructed, must be lined or a closed loop system (as indicated on the Form 2A Permit application by operator in Section 6. Construction) must be implemented during drilling.

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 (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.

Attachment Check List

| Att Doc Num | Document Name | attached ? | |
|-----------------------------|-------------------------|---|--|
| <u>Attachment Checklist</u> | | | |
| | 317B Notification | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 400131172 | Access Road Map | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| | CDP Conditions | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 400131174 | Const Layout Drawings | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 400131173 | Hydrology Map | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 400131170 | Location Drawing | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 400108091 | Location Pictures | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 400108090 | Multi-well Plan | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 400111866 | NRCS Map Unit Desc | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 400131073 | Other | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 400111868 | Proposed BMPs | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 400131171 | Reference Area Map | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 400111871 | Reference Area Pictures | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| | Section 404 Permit | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 400111877 | Sensitive Area Data | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| | Sensitive Area Map | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| <u>Other Attachments</u> | | | |
| 2033633 | CORRESPONDENCE | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 400107817 | FORM 2A SUBMITTED | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 400131075 | SURFACE AGRMT/SURETY | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 400131174 | CONST. LAYOUT DRAWINGS | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|--|----------------------------|
| DOW | The BMPs as submitted by the operator are applicable to the site. In addition to the BMPs, CDOW would like to see Williams and subcontractors conduct maintenance and/or other site visits between the hours of 9:00 A.M. and 3:00 P.M. between December 1 and April 15 (Mule Deer Critical Winter Range as practicable). | 3/8/2011 3:50:09 PM |
| OGLA | Initiated/Completed OGLA Form 2A review on 03-02-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, lined pits/closed loop, flowback to tanks, tank berming, and cuttings low moisture content COAs from operator on 03-02-11; received acknowledgement of COAs from operator on 03-02-10; passed by CDOW on 03-08-11 with operator submitted BMPs acceptable; passed OGLA Form 2A review on 03-08-11 by Dave Kubeczko; fluid containment, spill/release BMPs, monitoring hillside, lined pits/closed loop, flowback to tanks, tank berming, and cuttings low moisture content COAs. | 3/2/2011 4:48:21 PM |
| Permit | ON HOLD: LEASE PROBLEMS. Problem resolved telecon w/ Greg Davis, Williams Production. dhs | 2/16/2011 9:14:24 AM |
| Permit | deleted plugging bond number at operator request | 2/11/2011 8:54:02 AM |

Total: 4 comment(s)

BMP

| <u>Type</u> | <u>Comment</u> |
|--------------------|-----------------------|
| | |

Total: 0 comment(s)