

FORM
2A

Rev
04/01

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:
400285229

Date Received:
06/28/2012

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:
429938
Expiration Date:
08/16/2015

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: WPX ENERGY ROCKY MOUNTAIN 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@wpxenergy.com

4. Location Identification:

Name: Lantz Number: SG 44-23
 County: GARFIELD
 Quarter: SESE Section: 23 Township: 7S Range: 96W Meridian: 6 Ground Elevation: 5030

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: 1304 feet FSL, from North or South section line, and 889 feet FEL, from East or West section line.
 Latitude: 39.419139 Longitude: -108.070428 PDOP Reading: 1.8 Date of Measurement: 03/02/2012
 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="14"/>	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="14"/>	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" value="1"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: _____

6. Construction:

Date planned to commence construction: 10/01/2012 Size of disturbed area during construction in acres: 2.96
Estimated date that interim reclamation will begin: 05/01/2013 Size of location after interim reclamation in acres: 1.40
Estimated post-construction ground elevation: 5030 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: 05/01/2012
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: 1541, public road: 654, above ground utilit: 1541
, railroad: 2466, property line: 236

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: 65 Torrifluvents, nearly level

NRCS Map Unit Name: 4. Arvada Loam, 6 to 20 percent 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: 04/05/2012

List individual species: Wheatgrass, 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: 382, water well: 813, depth to ground water: 30

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:

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

Signed: _____ Date: 06/28/2012 Email: greg.j.davis@wpenergy.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:  Director of COGCC Date: 8/17/2012

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.

SITE SPECIFIC COAs:

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, and maintained in good condition.

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines or buried permanent pipelines. Additional containment shall be required where temporary pumps and other necessary equipment or chemicals are located.

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 storage vessel 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
2034484	NRCS MAP UNIT DESC
2034485	CORRESPONDENCE
400285229	FORM 2A SUBMITTED
400287047	LOCATION PICTURES
400287049	HYDROLOGY MAP
400287050	ACCESS ROAD MAP
400287052	REFERENCE AREA MAP
400287053	REFERENCE AREA PICTURES
400287054	NRCS MAP UNIT DESC
400287057	PROPOSED BMPs
400287058	SENSITIVE AREA DATA
400293469	CONST. LAYOUT DRAWINGS
400293470	LOCATION DRAWING
400293473	OTHER
400293500	SURFACE AGRMT/SURETY
400300417	MULTI-WELL PLAN

Total Attach: 16 Files

General Comments

User Group	Comment	Comment Date
Final Review	checked box for "surface owner is executer of oil and gas lease" per APDs "yes" for "Is the surface owner's signature on the lease?"	8/17/2012 7:19:53 AM
Permit	No LGD or public comments. Final Review--passed	8/15/2012 8:32:33 AM
OGLA	Initiated/Completed OGLA Form 2A review on 08-14-12 by Dave Kubeczko; placed fluid containment, spill/release BMPs, flowback to tanks only, cuttings low moisture content COAs; passed by CPW on 07-10-12 with WMP and BMPs acceptable; passed OGLA Form 2A review on 08-14-12 by Dave Kubeczko; fluid containment, spill/release BMPs, flowback to tanks only, cuttings low moisture content COAs.	8/14/2012 12:35:06 PM
Permit	Surface owner is partial mineral owner in four BHL's on this pad.	7/27/2012 9:28:11 AM
DOW	This new well pad is located 1 mile SW of Parachute along Stone Quarry Road.It falls within the boundary of a CPW-Williams Wildlife Mitigation Plan (South of the River WMP).The site falls inside a Mule Deer Critical Winter Range and Elk Winter Concentration SWH area, and is surrounded by Bald Eagle nest/roost sites.The BMPs as submitted by the operator and the BMPs contained within the existing Wildlife Mitigation Plan are appropriate for the site and species effected. by Bill Buchholz on 9 July 2012.	7/10/2012 8:46:35 AM
LGD	Passed DB	7/2/2012 12:58:15 PM

Total: 6 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Construction	<p>CONSTRUCTION BMP's</p> <p>Yes Close and reclaim roads not necessary for development, including removing all bridges and culverts and recontouring/reclaiming all stream crossings.</p> <p>Yes Structures for perennial or intermittent stream channel crossings should be constructed using appropriately sized bridges or culverts</p> <p>Yes Design road crossings of streams to allow fish passage at all flows and to minimize the generation of sediment.</p> <p>Yes Design road crossings of streams at right angles to all riparian corridors and streams to minimize the area of disturbance to the extent possible.</p>

Interim Reclamation	<p>PRODUCTION/RECLAMATION BMP's</p> <p>Yes Restore both form and function of impacted wetlands and riparian areas and mitigate erosion.</p> <p>Yes Remove well pad and road surface materials that are incompatible with post-production land use and re-vegetation requirements</p> <p>Yes Use only certified weed-free native seed in seed mixes, except for non-native plants that benefit wildlife</p> <p>Yes WPX Energy will use certified, weed free grass hay, straw, hay or other mulch materials used for the reseeding and reclamation of disturbed areas.</p> <p>Yes Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents and openings.</p> <p>Yes Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors.</p> <p>Yes Avoid dust suppression activities within 300 feet of the ordinary high water mark of any reservoir, lake, wetland, or natural perennial or seasonally flowing stream or river where possible.</p> <p>Yes Bore pipelines that cross perennial streams</p> <p>Yes Install and use locked gates or other means to prevent unauthorized vehicular travel on roads and facility rights-of-way.</p>
Planning	<p>PLANNING BMP's</p> <p>Yes Share/consolidate corridors for pipeline ROWs to the maximum extent possible.</p> <p>Yes 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.</p> <p>Yes Minimize newly planned activities and operations within 300 feet of the ordinary high water mark of any reservoir, lake, wetland, or natural perennial or seasonally flowing stream or river.</p> <p>Yes Locate roads outside of drainages where possible and outside of riparian habitat.</p> <p>Yes Avoid constructing any road segment in the channel of an intermittent or perennial stream</p> <p>Yes Avoid new surface disturbance and placing new facilities in key wildlife habitats in consultation with CDOW.</p> <p>Yes Minimize the number, length, and footprint of oil and gas development roads</p> <p>Yes Use existing roads where possible</p> <p>Yes Combine utility infrastructure (gas, electric, and water) planning with roadway planning to avoid separate utility corridors</p> <p>Yes Combine and share roads to minimize habitat fragmentation</p> <p>Yes Where possible, consolidate pipeline and existing roadways, or roadways that are planned for development</p> <p>Yes Place roads to avoid obstructions to migratory routes for wildlife, and to avoid displacement of wildlife from public to private lands.</p> <p>Yes Design roads with visual and auditory buffers or screens (e.g., topographic barriers, vegetation, and distance).</p> <p>Yes Maximize the use of directional drilling to minimize habitat loss/fragmentation</p> <p>Yes Maximize use of remote telemetry for well monitoring to minimize traffic</p> <p>Yes Phase and concentrate development activities, so that large areas of undisturbed habitat for wildlife remain.</p> <p>Yes Maintain undeveloped areas within development boundaries sufficient to allow wildlife to persist within development boundaries during all phases of construction, drilling, and production.</p> <p>Yes 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.</p> <p>Yes Restrict oil and gas activities as practical during critical seasonal periods</p>

Drilling/Completion Operations	DRILLING/COMPLETIONS BMP's Yes Install and maintain adequate measures to exclude all types of wildlife (e.g., big game, birds, and small rodents) from all fluid pits (e.g., fencing, netting, and other appropriate exclusion measures). Yes Conduct well completions with drilling operations to limit the number of rig moves and traffic.
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Total: 4 comment(s)