

FORM
2A

Rev
08/13

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:

400627494

Date Received:

07/10/2014

Oil and Gas Location Assessment

New Location Refile Amend Existing Location Location#: _____

Submit signed original form. This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location 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. Please see the COGCC website at <http://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

439256

Expiration Date:

10/08/2017

This location assessment is included as part of a permit application.

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.

Operator

Operator Number: 96850

Name: WPX ENERGY ROCKY MOUNTAIN LLC

Address: 1001 17TH STREET - SUITE #1200

City: DENVER State: CO Zip: 80202

Contact Information

Name: Reed Haddock

Phone: (303) 606-4086

Fax: (303) 629-8268

email: reed.haddock@wpxenergy.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20030107

Gas Facility Surety ID: _____

Waste Management Surety ID: _____

LOCATION IDENTIFICATION

Name: GM

Number: 13-33 Tank Pad

County: GARFIELD

Quarter: SENE Section: 33 Township: 6S Range: 96W Meridian: 6 Ground Elevation: 5446

Define a single point as a location reference for the facility location. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 2157 feet FNL from North or South section line

2500 feet FWL from East or West section line

Latitude: 39.482032 Longitude: -108.113851

PDOP Reading: 3.0 Date of Measurement: 04/09/2014

Instrument Operator's Name: J. Kirkpatrick

RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is:

LOCATION ID # FORM 2A DOC #

Production Facilities Location serves Well(s)

323902

FACILITIES

Indicate the number of each type of oil and gas facility planned on location

Wells	Oil Tanks	3	Condensate Tanks	Water Tanks	3	Buried Produced Water Vaults
Drilling Pits	Production Pits		Special Purpose Pits	Multi-Well Pits		Temporary Large Volume Above Ground Tanks
Pump Jacks	Separators		Injection Pumps	Cavity Pumps		
Gas or Diesel Motors	Electric Motors		Electric Generators	Fuel Tanks		Gas Compressors
Dehydrator Units	Vapor Recovery Unit		VOC Combustor	Flare		LACT Unit
						Pigging Station

OTHER FACILITIES

Other Facility Type

Number

Other Facility Type	Number

Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

This pad will support GM 13-33 drill pad with tanks.

GM 13-33 drill pad flowlines from the wellheads to the separators will be 2" steel. The produced water flowlines from the separators to the water tanks on the GM 13-33 tank pad will be 2" to 4" steel. The oil flowlines from the separators to the oil tanks on the GM 13-33 tank pad will be 2" to 4" steel. Estimated lengths of both oil and produced water flowlines is approximately 2415' and will follow the existing access road system. All disturbance will be within pad boundaries. All flowlines will be buried 4' deep.

CONSTRUCTION

Date planned to commence construction: 10/13/2014 Size of disturbed area during construction in acres: 0.26

Estimated date that interim reclamation will begin: 10/13/2024 Size of location after interim reclamation in acres: 0.26

Estimated post-construction ground elevation: 5441

DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: _____

Is H₂S anticipated? _____

Will salt sections be encountered during drilling: _____

Will salt based mud (>15,000 ppm Cl) be used? _____

Will oil based drilling fluids be used? _____

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: _____ Drilling Fluids Disposal Method: _____

Cutting Disposal: _____ Cuttings Disposal Method: _____

Other Disposal Description:

No cuttings for this location as it will not be drilled on.

Beneficial reuse or land application plan submitted? _____

Reuse Facility ID: _____ or Document Number: _____

Centralized E&P Waste Management Facility ID, if applicable: _____

SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: WPX Energy

Phone: _____

Address: 1001 17th Street, Suite 1200

Fax: _____

Address: _____

Email: _____

City: Denver State: CO Zip: 80202

Surface Owner: Fee State Federal Indian

Check all that apply. The Surface Owner: is the mineral owner

is committed to an oil and Gas Lease

has signed the Oil and Gas Lease

is the applicant

The Mineral Owner beneath this Oil and Gas Location is: Fee State Federal Indian

The Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: No

The right to construct this Oil and Gas Location is granted by: applicant is owner

Surface damage assurance if no agreement is in place: _____ Surface Surety ID: _____

Date of Rule 306 surface owner consultation _____

CURRENT AND FUTURE LAND USE

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

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

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 905 Feet
Building Unit: 1115 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 3096 Feet
Above Ground Utility: 58 Feet
Railroad: 5280 Feet
Property Line: 1481 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a: Buffer Zone
 Exception Zone
 Urban Mitigation Area

- Buffer Zone - as described in Rule 604.a.(2), within 1,000' of a Building Unit.
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: _____
Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: _____

SOIL

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.org/> 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: 4-Arvada loam, 6 to 20 percent slopes
NRCS Map Unit Name: _____
NRCS Map Unit Name: _____

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: 06/23/2014
List individual species: Cheatgrass, Field Bindweed, Slender Wheatgrass, Greasewood, Wyoming Bigsagebrush

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): _____

WATER RESOURCES

Is this a sensitive area: No Yes

Distance to nearest

downgradient surface water feature: 265 Feet

water well: 852 Feet

Estimated depth to ground water at Oil and Gas Location 44 Feet

Basis for depth to groundwater and sensitive area determination:

See Sensitive Area Determination

Is the location in a riparian area: No Yes

Was an Army Corps of Engineers Section 404 permit filed No Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer No 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: _____

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

RULE 502.b VARIANCE REQUEST

- Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number _____

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

OPERATOR COMMENTS AND SUBMITTAL

Comments This application is for a tank pad only.

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

Signed: _____ Date: 07/10/2014 Email: reed.haddock@wpenergy.com

Print Name: Reed Haddock Title: Regulatory Specialist Sta

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: 10/9/2014

Conditions Of Approval

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.

<u>COA Type</u>	<u>Description</u>
	Operator shall pressure test pipelines in accordance with Rule 1101.e.(1) prior to putting into initial service any temporary surface or permanent buried pipelines and following any reconfiguration of the pipeline network.
	Operator must ensure secondary containment for any volume of fluids contained at tank site during 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. The access road will be maintained as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water. Strategically apply fugitive dust control measures, including enforcing established speed limits on private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources. Berms or other containment devices shall be constructed to be sufficiently impervious (corrugated steel with poly liner) to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.
	Notify the COGCC 48 hours prior to start of tank pad construction and start of flowback operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).

Best Management Practices

No	BMP/COA Type	Description
1	Planning	<p>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. Minimize the number, length, and footprint of oil and gas development roads. Use existing roads where possible. Combine utility infrastructure (gas, electric, and water) planning with roadway planning to avoid separate utility corridors. Where possible, consolidate pipeline and existing roadways, or roadways that are planned for development. Maximize use of long-term centralized tank batteries to minimize traffic. Maximize use of remote telemetry for well monitoring to minimize traffic.</p>
2	Interim Reclamation	<p>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.</p>

Total: 2 comment(s)

Attachment Check List

Att Doc Num	Name
2107101	CORRESPONDENCE
400627494	FORM 2A SUBMITTED
400642422	ACCESS ROAD MAP
400642425	CONST. LAYOUT DRAWINGS
400642426	HYDROLOGY MAP
400642428	LOCATION DRAWING
400642430	REFERENCE AREA MAP
400642431	REFERENCE AREA PICTURES
400642432	SENSITIVE AREA DATA
400642433	NRCS MAP UNIT DESC
400642463	PROPOSED BMPs
400642466	LOCATION PICTURES

Total Attach: 12 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Facility Location added to "Location Identification" tab; taken off of "ON HOLD" by Dave Kubeczko on 10-08-14.	10/8/2014 1:03:46 PM
Final Review	ON HOLD for related remote locations information.	10/5/2014 8:14:10 AM
Permit	Final review completed. No LGD comments.	3/6/2014 6:09:57 AM
LGD	Pass-KHW: Please note any location with greater than 5,000 barrels of total storage capacity (pits/tanks) would require a Garfield County land use change permit.	7/29/2014 3:31:58 PM
OGLA	Initiated/Completed OGLA Form 2A review on 07-20-14 by Dave Kubeczko, requested acknowledgement of notification, fluid containment, sediment control access road, dust control, spill/release BMPs, pipeline testing, and tank berming COAs from operator on 07-20-14; received acknowledgement of COAs from operator on 07-21-14; passed by CPW on 07-11-14 with operator submitted BMPs acceptable; passed OGLA Form 2A review on 09-15-14 by Dave Kubeczko; notification, fluid containment, sediment control access road, dust control, spill/release BMPs, pipeline testing, and tank berming COAs.	7/20/2014 7:16:02 PM
DOW		7/11/2014 4:51:46 PM
DOW	The BMPs provided by the operator on the submitted Form 2A permit for this location are sufficient to address wildlife concerns at this time. By: Taylor Elm, 7/11/2014, 11:59	7/11/2014 12:00:37 PM
Permit	Passed completeness.	7/10/2014 1:07:36 PM

Total: 8 comment(s)