

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:
400364137

Date Received:
02/21/2013

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:
432327
Expiration Date:
03/28/2016

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: 10261
 Name: BAYSWATER EXPLORATION AND PRODUCTION LLC
 Address: 730 17TH ST STE 610
 City: DENVER State: CO Zip: 80202

3. Contact Information

Name: Jennifer Angel-Lear
 Phone: (303) 407-1282
 Fax: (720) 536-3440
 email: jangellear@petro-fs.com

4. Location Identification:

Name: Triangle Number: 6-22
 County: WELD
 Quarter: SE Section: 22 Township: 7N Range: 65W Meridian: 6 Ground Elevation: 4832

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: 1788 feet FNL, from North or South section line, and 2354 feet FWL, from East or West section line.
 Latitude: 40.561846 Longitude: -104.650390 PDOP Reading: 1.3 Date of Measurement: 09/19/2012
 Instrument Operator's Name: Brian Ritz

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

Special Purpose Pits: <input type="checkbox"/>	Drilling Pits: <input type="checkbox"/>	Wells: <input type="text" value="4"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="text" value="2"/>	Separators: <input type="text" value="2"/>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="checkbox"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="checkbox"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="checkbox"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="text" value="2"/>	Oil Tanks: <input type="text" value="4"/>	Fuel Tanks: <input type="checkbox"/>	

Other: _____

6. Construction:

Date planned to commence construction: 04/25/2013 Size of disturbed area during construction in acres: 1.74
Estimated date that interim reclamation will begin: 10/25/2013 Size of location after interim reclamation in acres: 0.60
Estimated post-construction ground elevation: 4832 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: _____

7. Surface Owner:

Name: KSJJ, LLC Phone: _____
Address: 6126 Chockecherry Drive Fax: _____
Address: _____ Email: _____
City: Loveland State: CO Zip: 80537 Date of Rule 306 surface owner consultation: 12/04/2012
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: 20080034 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: 399, public road: 2252, above ground utility: 362,
railroad: 5280, property line: 177

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: 21-Dacono Clay Loam 0-1% slope
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: _____
List individual species: _____

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: 369, water well: 828, 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 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:

The surface owner is KSJJ, LLCThe mineral owner is Triangle Cross Ranch

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.
Signed: _____ Date: 02/21/2013 Email: jangellear@petro-fs.com
Print Name: Jennifer Angel-Lear Title: Regulatory Technician

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: Matthew Lee Director of COGCC Date: 3/29/2013

**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.

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Attachment Check List

Att Doc Num	Name
400364137	FORM 2A APPROVED
400364221	OTHER
400364222	HYDROLOGY MAP
400364225	LOCATION DRAWING
400379509	ACCESS ROAD MAP
400379510	MULTI-WELL PLAN
400379514	NRCS MAP UNIT DESC
400383246	WASTE MANAGEMENT PLAN
400383247	LOCATION PICTURES
400383248	TOPO MAP
400397943	FORM 2A SUBMITTED

Total Attach: 11 Files

General Comments

User Group	Comment	Comment Date
Final Review	Changed Closed Loop to YES per operator e-mail. Cultural question on APDs resolved with operator. Taken off hold.	3/29/2013 2:58:18 PM
Final Review	Placed ON HOLD. requested pit/closed loop information from operator. Also, related APDs indicate high density, in conflict with this Form 2A.	3/29/2013 11:18:45 AM
Permit	Operator ok'd checking Surface Owner "is the mineral owner," "committed to an oil and gas lease", and "is the executer of the lease" boxes as well as removing the surface bond ID#. Ready to pass pending public comment.	3/20/2013 1:07:10 PM
OGLA	Location is in a Sensitive Area due to shallow ground water; changed the Sensitive Area Designation to Yes; the building at 399 feet is an outbuilding; initial review complete	3/4/2013 4:23:58 PM
Permit	"Committed to an oil and gas lease" box still not checked. Different mineral and surface owner shown in comments yet it says right to construct is given by an oil and gas lease. Also stated on APDs that surface owner is mineral owner and signed lease. Asked operator to clarify this. Need to remove surface bond ID under Surface and Minerals if surface owner signed lease.	3/1/2013 2:59:28 PM
Permit	Operator verified that the "right to occupy" is by a mineral lease.	2/28/2013 2:11:14 PM
Permit	Pushed back to DRAFT. Requested that operator confirm if the surface owner is the mineral as stated in a Form 2.	2/28/2013 5:38:00 AM
Permit	Pushed back to draft: right to construct information may be incorrect; does not match the form 2's	2/22/2013 6:37:17 AM

Total: 8 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Planning	When feasible develop multiple well sites by using directional drilling to reduce cumulative impacts and adverse impacts on wildlife resources.
Drilling/Completion Operations	When available and reasonable use a closed-loop drilling mud system to preclude the use of an earthen reserve pits when available. Light Sources will likewise be directed downwards, and away from occupied structures where possible. Once the drilling and completions rigs leave the site, there will be no permanently installed lighting on site. The operator will work with the Town of Severance to develop a traffic plan for access to the locations and traffic through Town streets.
Site Specific	Fence the well site after drilling to restrict public and wildlife access. Keep well site location, the road, and the pipeline easement free of noxious weeds, litter and debris. Spray for noxious weeds, and implement dust control, as needed. Operator will not permit the release or discharge of any toxic or hazardous chemicals or wastes on Owner's Land. Construct and maintain gates where any roads used by operator, its employees, or contractors cross through fences on the leased premises.
Storm Water/Erosion Control	Use water bars, and other measures to prevent erosion and non-source pollution. Implement and maintain BMPs to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation. Co-locate gas and water gathering lines whenever feasible, and mitigate any erosion problems that arise due to the construction of any pipeline(s).
Construction	Remove only the minimum amount of vegetation necessary for the construction of roads and facilities. Conserve topsoil during excavation and reuse as cover on disturbed areas to facilitate regrowth of vegetation. No construction or routine maintenance activities will be performed during periods when the soil is too wet to adequately support construction equipment.
Interim Reclamation	Utilize only such area around each producing well as is reasonably necessary. Restore the remainder of the well site location to its original condition within a reasonable time after the completion of operations. All reseeding shall be done with grasses consistent with the Rocky Mountain native mix or other grasses reasonably requested by surface owner and during planting period suggested by Owner.
Final Reclamation	All surface restoration shall be accomplished to the satisfaction of Owner. All reseeding shall be done with grasses consistent with the Rocky Mountain native mix or other grasses reasonably requested by surface owner and during planting period suggested by Owner. Final reclamation shall be completed to the reasonable satisfaction of the Owner as soon as practical after installation (weather permitting) and in accordance with regulatory agency standards (BLM/COGCC).

Total: 7 comment(s)