

FORM
2A

Rev
04/01

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:
400095952

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 335835

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 stand alone 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:
335835
Expiration Date:
11/06/2013

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: 10091
Name: BERRY PETROLEUM COMPANY
Address: 1999 BROADWAY STE 3700
City: DENVER State: CO Zip: 80202

3. Contact Information
Name: Kallasandra Moran
Phone: (303) 999-4225
Fax: (303) 999-4325
email: kmoran@bry-consultant.com

4. Location Identification:
Name: Long Ridge Pad Number: N15 595
County: GARFIELD
Quarter: SESW Section: 15 Township: 5S Range: 95W Meridian: 6 Ground Elevation: 8377
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: 861 feet, from North or South section line: FSL and 1972 feet, from East or West section line: FWL
Latitude: 39.608938 Longitude: -108.042960 PDOP Reading: 2.4 Date of Measurement: 06/22/2010
Instrument Operator's Name: Ivan Martin/Construction Surveys

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="9"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="text" value="3"/>
Condensate Tanks: <input type="text" value="5"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="checkbox"/>	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="text" value="1"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="text" value="1"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="checkbox"/>	Fuel Tanks: <input type="checkbox"/>	

Other: Separators proposed: 2 quads, 1 single. Drilling rig, temporary office and temporary housing on location for approximately 10 days per well.

6. Construction:

Date planned to commence construction: 11/01/2010 Size of disturbed area during construction in acres: 5.09
Estimated date that interim reclamation will begin: 12/15/2011 Size of location after interim reclamation in acres: 1.19
Estimated post-construction ground elevation: 8377 Will a closed loop system be used for drilling fluids: Yes [X]
Will salt sections be encountered during drilling: Yes [] No [X] Is H2S anticipated? Yes [] No [X]
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes [X] No []
Mud disposal: Offsite [] Onsite [X] Method: Land Farming [] Land Spreading [] Disposal Facility []
Other: Total closed loop system

7. Surface Owner:

Name: Phone:
Address: Fax:
Address: Email:
City: State: Zip: Date of Rule 306 surface owner consultation: 08/18/2010
Surface Owner: [X] Fee [] State [] Federal [] Indian
Mineral Owner: [X] Fee [] State [] Federal [] Indian
The surface owner is: [X] 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: [X] 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:

[X] Well Surety ID: 20040105 [X] Gas Facility Surety ID: 20040107 [] Waste Mgnt. Surety ID:

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes [] No [X]
Distance, in feet, to nearest building: 19727 , public road: 21766 , above ground utilit: 19773
, railroad: 49746 , property line: 3101

10. Current Land Use (Check all that apply):

Crop Land: [] Irrigated [] Dry land [] Improved Pasture [] Hay Meadow [] CRP
Non-Crop Land: [X] 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: [X] 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: 53 - Parachute-Rhone loams, 5 to 30 percent 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: 06/22/2010

List individual species: See attached Rangeland Productivity and Plant Composition

Check all plant communities that exist in the disturbed area.

- Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- Native Grassland (Bluestern, 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: 1160, water well: 9305, depth to ground water: 470

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:

This location's Form 2A is being re-filed due to adding 1 additional well to the pad. Water Resources - The closest water well is an un-named well (Permit# 133425/Receipt#0232223M). This pad has been constructed. Conductors have not been set. Wells have not been drilled. No rig is on site. This location will not require expansion/additional surface disturbance in order to add the additional well to the pad. The location does not require a variance from any of the rules listed in Rule 306.d(1).(A).(ii). This location is not in a restricted occupancy area. This location is not in a sensitive wildlife habitat area. The production casing top of cement will be 200' above top of gas. Berry Petroleum Company will be using a total closed loop system (see attached description). I certify that there have been no changes to land use, lease description.

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

Signed: _____ Date: 09/29/2010 Email: kmoran@bry-consultant.com

Print Name: Kallasandra M. Moran Title: Permit Agent

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: 11/7/2010

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.

No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.

Notice to Operators (NTO) Drilling Wells on the Roan Plateau in Garfield County: Comply with all provisions of the June 12, 2008 Notice to Operators (NTO) Drilling Wells Within ¼ Mile of the Rim of the Roan Plateau in Garfield County – Pit Design, Construction, and Monitoring Requirements. At a minimum, the following condition of approval (COA) will apply: COA 6 - All pits must be lined.

Any pit constructed to hold fluids (reserve pit, production pit; except for flare pit) must be lined.

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.

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., BMPs associated with stormwater management) sufficiently protective of the nearby surface water.

The nearby hillside must be monitored for any day-lighting of drilling fluids throughout the drilling of the surface casing interval.

Attachment Check List

Att Doc Num	Name	Doc Description
2033467	CORRESPONDENCE	LF@2604142 2033467
400095952	FORM 2A SUBMITTED	LF@2570070 400095952
400095958	NRCS MAP UNIT DESC	LF@2570071 400095958
400095959	OTHER	LF@2570072 400095959
400095960	LOCATION PICTURES	LF@2570073 400095960
400095961	OTHER	LF@2570074 400095961
400095962	REFERENCE AREA PICTURES	LF@2570075 400095962
400095963	ACCESS ROAD MAP	LF@2570076 400095963
400095964	CONST. LAYOUT DRAWINGS	LF@2570077 400095964
400095965	HYDROLOGY MAP	LF@2570078 400095965
400095966	LOCATION DRAWING	LF@2570079 400095966
400095968	MULTI-WELL PLAN	LF@2570080 400095968
400095969	REFERENCE AREA MAP	LF@2570081 400095969
400095970	OTHER	LF@2570082 400095970

Total Attach: 14 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Initiated/Completed OGLA Form 2A review on 10-04-10 by Dave Kubeczko; requested clarifications and acknowledgement of fluid containment, spill/release BMPs, monitoring of hillside, lined pits/closed loop, all pits lined, no pit in fill, cuttings low moisture COAs and Roan Rim NTO from operator on 10-04-10; received clarifications and acknowledgement of COAs from operator on 10-04-10; sensitive area due to Roam Rim; this permit should be passed with exigent circumstances due to previously approve Form 2A#400060470 passed by COGCC on 09-29-10; no CDOW; passed OGLA Form 2A review on 10-21-10 by Dave Kubeczko; fluid containment/spill/release BMPs, monitoring of hillside, lined pits/closed loop, all pits lined, no pit in fill, cuttings low moisture COAs and Roan Rim NTO.	10/4/2010 8:53:34 AM

Total: 1 comment(s)

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