

**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:

400233981

Oil and Gas Location Assessment☐ New Location☒ Amend Existing Location Location#: 306812

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:

306812

Expiration Date:

01/14/2015☒ 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: 10000Name: BP AMERICA PRODUCTION COMPANYAddress: 501 WESTLAKE PARK BLVDCity: HOUSTON State: TX Zip: 77079**3. Contact Information**Name: Patti CampbellPhone: (970) 335-3828Fax: (970) 335-3837email: patricia.campbell@bp.com**4. Location Identification:**Name: McCarville GU ANumber: 3County: LA PLATAQuarterQuarter: SWNW Section: 14 Township: 33N Range: 9W Meridian: N Ground Elevation: 6765

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: 2296 feet FNL, from North or South section line, and 1112 feet FWL, from East or West section line.Latitude: 37.104810 Longitude: -107.800810 PDOP Reading: 2.5 Date of Measurement: 01/18/2011Instrument Operator's Name: Bill Mitchell**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="text" value="1"/>	Wells: <input type="text" value="2"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="text" value="4"/>	Electric Motors: <input type="text" value="3"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="text" value="1"/>	Cavity Pumps: <input type="text" value="2"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="text" value="2"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="text" value="1"/>	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="text" value="1"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="checkbox"/>	Fuel Tanks: <input type="checkbox"/>	

Other: 1-Electric Control Box; Exsting well onsite & assoc equipment included in numbers above.**6. Construction:**

Date planned to commence construction: 12/02/2012 Size of disturbed area during construction in acres: 1.62
Estimated date that interim reclamation will begin: 12/02/2013 Size of location after interim reclamation in acres: 1.41
Estimated post-construction ground elevation: 6765 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: Recycle/reuse

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: _____
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: 20010158 ☐ 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: 1368, public road: 782, above ground utilit: 267
, railroad: 65637, property line: 399

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: Zyme clay loam, 3 to 25 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: _____
List individual species: Pinyon, Rocky Mountain 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): _____

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: 1381, water well: 243, depth to ground water: 260
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:

1. DOW consultation via the BP San Juan Basin Colorado Wildlife Mitigation Plan (WMP) dated March 2011; 7. SUA attached to related Form 2 contains waiver to the 30 day notice (Rule 305) and consultation (Rule 306); 11. Reference area photos taken during growing season will be provided within 12 months; 13. Noxious weeds are controlled by an ongoing weed control plan; 14. Sensitive Area Determination Data: Area determined to be sensitive due to a water well at 243 feet.

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

Signed: _____ Date: 12/19/2011 Email: patricia.campbell@bp.com
Print Name: Patricia Campbell Title: Regulatory Analyst

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: David S. Neslin Director of COGCC Date: 1/15/2012

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

Any pit constructed to hold liquids, must be lined or a closed loop system (which operator has indicated on the Form 2A) must be implemented during drilling.

Operator must ensure 110 percent secondary containment for any volume of fluids (excluding freshwater) 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.

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 pit 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, with the following exceptions where applicable: COGCC and CDPHE have decided that operators do not need to request variances from CDPHE for instances where pit contents do not meet the Table 910-1 values for pH, electrical conductivity (EC), or sodium adsorption ration (SAR). However, operators shall attempt, where practicable, to meet the pH, EC, and SAR values, but must ensure that the remaining pit contents are covered with a minimum of 3 feet of backfill and soil. The soil horizons must be replaced in their original relative position, and reclaimed in accordance with the 1000 Series Rules. The backfill and replaced soil must meet Table 910-1 pH, EC, and SAR values, with consideration given to background levels in native soils.

The existing overhead powerline must be appropriately buried prior to rig activity.

Attachment Check List

Att Doc Num	Name
2034120	CORRESPONDENCE
400233981	FORM 2A SUBMITTED
400234067	LOCATION PICTURES
400234068	LOCATION DRAWING
400234069	SURFACE PLAN
400234070	HYDROLOGY MAP
400234071	ACCESS ROAD MAP
400234072	REFERENCE AREA MAP
400234073	NRCS MAP UNIT DESC
400234074	CONST. LAYOUT DRAWINGS
400234075	CONST. LAYOUT DRAWINGS
400234076	CONST. LAYOUT DRAWINGS
400234077	CONST. LAYOUT DRAWINGS
400234079	MULTI-WELL PLAN
400234080	PROPOSED BMPs

Total Attach: 15 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed. BY	1/11/2012 5:46:29 AM
Permit	The distance from nearest building, public road, above ground utility (Form 2) and the above ground utility (Form 2A) should be 267' from the wellhead. I am did not take the utility into consideration on the Form 2 and the above ground utility at 141' will be buried, the closest above ground utility will be at 267' If you have any further questions, please let me know. Patti Campbell Regulatory Analyst	1/11/2012 5:30:33 AM
Permit	On the form 2A construction layout drawing it states " powerline to be buried' which would possibly explain the difference in the "nearest.....etc." footages between the form 2 and the form2A. 782' versus 141'. Emailed Patti Campbell for explanation.	1/10/2012 10:58:53 AM
OGLA	Initiated/Completed OGLA Form 2A review on 12-20-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, lined pits/closed loop, flowback to tanks, and cuttings low moisture content COAs from operator on 12-20-11; received acknowledgement of COAs from operator on 12-21-11; passed by CDOW on 12-20-11 with site included in WMP acceptable; passed OGLA Form 2A review on 01-10-12 by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, flowback to tanks, and cuttings low moisture content COAs.	12/20/2011 5:37:45 PM
DOW	This location is covered under the Wildlife Mitigation Plan. Efforts have been undertaken to avoid, minimize, and mitigate impacts to wildlife resource. These include site specific measures and a commitment to offset the direct habitat impacts through conservation and land preservation actions.	12/20/2011 9:30:36 AM

Total: 5 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Wildlife	Covered in the BP San Juan Basin Colorado Wildlife Mitigation Plan (WMP) dated March 2011.
Storm Water/Erosion Control	Covered in the field wide Storm Water Management Plan. Supplemental site specific SWMP is attached.

Total: 2 comment(s)