

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:

400076352

**Oil and Gas Location Assessment**

☐ New Location ☒ Amend Existing Location Location#: 326617

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:

**326617**

Expiration Date:

**08/30/2013**

☒ 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: 10000

Name: BP AMERICA PRODUCTION COMPANY

Address: 501 WESTLAKE PARK BLVD

City: HOUSTON State: TX Zip: 77079

**3. Contact Information**

Name: Susan Folk

Phone: (970) 335-3828

Fax: (970) 335-3837

email: Susan.Folk@bp.com

**4. Location Identification:**

Name: Clary GU Number: 4

County: LA PLATA

Quarter: SWSE Section: 18 Township: 34N Range: 9W Meridian: M Ground Elevation: 6376

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: 1099 feet, from North or South section line: FSL and 2464 feet, from East or West section line: FEL

Latitude: 37.186940 Longitude: -107.866290 PDOP Reading: 1.7 Date of Measurement: 01/09/2009

Instrument Operator's Name: Jeff Chambers

**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" value="1"/>	Wells: <input type="text" value="2"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="2"/>	Separators: <input type="text" value="2"/>	Electric Motors: <input type="text" value="3"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text" value="2"/>	Cavity Pumps: <input type="text" value="2"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text" value="2"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text" value="1"/>	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" value="1"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: Electric Control Box-1 Pre-existing well with assoc. equipment on site included in numbers above.

## 6. Construction:

Date planned to commence construction: 02/20/2011 Size of disturbed area during construction in acres: 1.72  
Estimated date that interim reclamation will begin: 02/20/2012 Size of location after interim reclamation in acres: 1.10  
Estimated post-construction ground elevation: 6375 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: 840, public road: 202, above ground utilit: 1395  
, railroad: 29608, property line: 155

## 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: Harlan cobbly loam, moist, 1 to 3 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: Western wheatgrass, Indian ricegrass, Prairie Junegrass, Gambel Oak, Big Sagebrush, Muttongrass, Pinyon, Juniper

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: 230, water well: 538, depth to ground water: 24

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:

6. Size of disturbed area during construction includes new and existing disturbance. 11. Reference area photos taken during growing season will be submitted within 12 months of application. 13. Noxious weeds are controlled by ongoing weed control plan. 14. Water well #24327 is in the database at 5' from location. Field review was unable to locate water well on the ground. Landowner confirmed water well does not exist at this location. 14. Sensitive Area Determination Data: Area determined to be sensitive due to (1) Irrigation ditch at 230' (2) Animas river at 595' (greater than 500', but significant waters nonetheless) and (3) 24' depth to groundwater.

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

Signed: \_\_\_\_\_ Date: 07/14/2010 Email: Susan.Folk@bp.com

Print Name: Susan Folk Title: Infill Permit Coordinator

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: 8/31/2010

**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.**

Operator must implement best management practices to contain any unintentional release of fluids.

Location is in a sensitive area because of proximity to surface water; therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.

Location is in a sensitive area because of proximity to a domestic water well and shallow groundwater; therefore either a lined drilling pit or closed loop system must be implemented.

Location is in a sensitive area because of proximity to a domestic water well and shallow groundwater; therefore production pits must be lined.

**Attachment Check List**

Att Doc Num	Name	Doc Description
2033281	CORRESPONDENCE	LF@2520304 2033281
400076352	FORM 2A APPROVED	LF@2533949 400076352
400076393	LOCATION PICTURES	LF@2507424 400076393
400076394	LOCATION PICTURES	LF@2507425 400076394
400076395	LOCATION PICTURES	LF@2507426 400076395
400076396	LOCATION PICTURES	LF@2507427 400076396
400076398	LOCATION DRAWING	LF@2507428 400076398
400076407	SURFACE PLAN	LF@2507429 400076407
400076410	HYDROLOGY MAP	LF@2507430 400076410
400076411	ACCESS ROAD MAP	LF@2507431 400076411
400076412	REFERENCE AREA MAP	LF@2507432 400076412
400076414	NRCS MAP UNIT DESC	LF@2507433 400076414
400076415	CONST. LAYOUT DRAWINGS	LF@2507434 400076415
400076417	CONST. LAYOUT DRAWINGS	LF@2507435 400076417
400076419	CONST. LAYOUT DRAWINGS	LF@2507436 400076419
400076420	CONST. LAYOUT DRAWINGS	LF@2507437 400076420
400076421	CONST. LAYOUT DRAWINGS	LF@2507438 400076421
400076423	MULTI-WELL PLAN	LF@2507439 400076423
400076425	PROPOSED BMPs	LF@2507440 400076425
400089683	FORM 2A SUBMITTED	LF@2507423 400089683

Total Attach: 20 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	PERMITTING PASSED Add well name to Related Form Memo Field.	8/12/2010 8:08:49 AM
DOW	This location will be covered under the CDOW/BP WMP. Efforts to avoid, minimize, and mitigate impacts to wildlife resources will be implemented at this location once the WMP is complete.	8/9/2010 3:46:26 PM
OGLA	Initiated/Completed OGLA Form 2A review on 07-26-10 by Dave Kubeczko; requested clarifications and acknowledgement of close SW fluid containment, spill/release BMPs, close water well/shallow GW lined pits/closed loop COAs from operator on 07-26-10; received clarifications and acknowledgement of COAs from operator on 07-27-10; passed by CDOW on 08-06-10, with operator submitted (with permit application) BMPs acceptable; this location will be part of the wildlife mitigation plan being developed between BP and CDOW; passed OGLA Form 2A review on 08-09-10 by Dave Kubeczko; close SW fluid containment, spill/release BMPs, close water well/shallow GW lined pits/closed loop COAs.	8/9/2010 3:46:26 PM

Total: 3 comment(s)

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