

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:

2585687

## Oil and Gas Location Assessment

☐ New Location
 ☒ Amend Existing Location
 Location#: 306759

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:

**306759**

Expiration Date:

**04/20/2013**☒ 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: MANKINS HOWARD GU Number: 4

County: LA PLATA

QuarterQuarter: SENE Section: 10 Township: 34N Range: 7W Meridian: N Ground Elevation: 6987

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: 1665 feet, from North or South section line: FNL and 855 feet, from East or West section line: FEL

Latitude: 37.231590 Longitude: -107.617570 PDOP Reading: 1.8 Date of Measurement: 10/23/2008

## 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="1"/>	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 ASSOCIATED EQUIPMENT ON SITE INCLUDED IN NUMBERS ABOVE.

## 6. Construction:

Date planned to commence construction: 10/01/2010 Size of disturbed area during construction in acres: 1.73  
Estimated date that interim reclamation will begin: 01/01/2011 Size of location after interim reclamation in acres: 1.09  
Estimated post-construction ground elevation: 6988 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: CARROL J. & JOANNE MARTIN Phone: 907/283-9424  
Address: PO BOX 1766 Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: SOLOTNA State: AR Zip: 99669 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: 20030033 ☐ 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: 660, public road: 950, above ground utilit: 362  
, railroad: 76032, property line: 359

## 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: BODOT CLAY, 3 TO 10 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: \_\_\_\_\_  
\_\_\_\_\_

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: 11, water well: 684, depth to ground water: 51

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. LOCATION CONSTRUCTED UNDER ORIGINAL APD. NEW DISTURBANCE WILL BE ON CONSTRUCTED WELL PAD FOR TEMPORARY CUTTINGS MANAGEMENT. SURFACE LOCATJION OF WELLHEAD MOVED 5' SOUTH FROM ORIGINAL APD. SIZE OF DISTURBED AREA DURING CONSTRUCTION INCLUDED NEW AND EXISTING DISTURBANCE. ESTIMATED DATE THAT INTERIM RECLAMATION WILL BEGIN IS 3 MONTHS AFTER FIRST DELIVERY OF WELL. 7. SUA IS STILL IN EFFECT. WAIVER TO THE 30 DAY NOTICE (RULE 305) & WAIVER TO HE CONSULTATON (RULE 306) CAN BE FOUND IN THE SUA. 14. SENSITIVE AREA DETERMINATION DATA: AREA DOWN GRADIENT OF WELL PAD IS SLOPING, IRRIGATED PASTURE WITH TIGHT CLAY SOILS AND NO WATER WELLS WITHIN 1000' (DOWN GRADIENT). DRILLING PAD HAS ALREADY BEEN CONSTRUCTED WITH EXPANSION AREA POND REMOVED AND REBUILT AT LOW END (SW CORNER) OF FIELD. DEPTH TO GROUNDWATER: NO WATER WELLS WITH 1000' DOWN GRADIENT; LOW PERMEABLE SOILS AS EVIDENCED BY UNLINED IRRIGATION PONDS IN VICINITY; DEPTH TO GROUNDWATER NOT KNOWN, BUT NOT RELEVANT.

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

Signed: \_\_\_\_\_ Date: 02/23/2010 Email: SUSAN.FOLK@BP.COM

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: 4/21/2010

**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.**

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

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

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

Operator shall comply with proposed BP/CDOW wildlife management plan.

**Attachment Check List**

Att Doc Num	Name	Doc Description
1693250	MULTI-WELL PLAN	LF@2441806 1693250
2033004	CORRESPONDENCE	LF@2442224 2033004
2585687	FORM 2A	LF@2424331 2585687
2585688	LOCATION PICTURES	LF@2424273 2585688
2585689	LOCATION PICTURES	LF@2424274 2585689
2585691	LOCATION PICTURES	LF@2424275 2585691
2585692	LOCATION PICTURES	LF@2424276 2585692
2585693	LOCATION DRAWING	LF@2424288 2585693
2585694	HYDROLOGY MAP	LF@2424277 2585694
2585695	ACCESS ROAD MAP	LF@2424278 2585695
2585696	NRCS MAP UNIT DESC	LF@2424333 2585696
2585697	CONST. LAYOUT DRAWINGS	LF@2424334 2585697
2585698	PROPOSED BMPs	LF@2424287 2585698
400043529	FORM 2A SUBMITTED	LF@2452737 400043529

Total Attach: 14 Files