

**FORM
2A**Rev
04/01State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400085607

Oil and Gas Location Assessment☐ New Location ☒ Amend Existing Location Location#: 325978

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:

325978

Expiration Date:

09/28/2013☒ 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: Ray, Billy GU Number: 3

County: LA PLATA

Quarter: LOT 2 Section: 19 Township: 34N Range: 9W Meridian: M Ground Elevation: 6358

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: 1742 feet, from North or South section line: FNL and 1068 feet, from East or West section line: FWL

Latitude: 37.179090 Longitude: -107.872440 PDOP Reading: 2.6 Date of Measurement: 03/19/2010

Instrument 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="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: 1-Electric Control Box 2-Linear Rod Pumps 1-Meter. Pre-existing well with associated equipment on site included in numbers above.

6. Construction:

Date planned to commence construction: 03/11/2011 Size of disturbed area during construction in acres: 1.83
Estimated date that interim reclamation will begin: 03/11/2012 Size of location after interim reclamation in acres: 1.06
Estimated post-construction ground elevation: 6358 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: 1649, public road: 660, above ground utilit: 1116
, railroad: 32231, property line: 63

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: 60. Shalona Loam

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. Needle and thread. Basin big sagebrush. Prairie junegrass. Bottlebrush squirreltail

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: 490, water well: 161, depth to ground water: 120

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 provided within 12 months. 13. Noxious weeds controlled by weed management program. 14. Sensitive Area Determination Data: Area determined to be sensitive due to proximity to irrigation ditch at 490'. Waiver to the 30 day notice (Rule 305) & waiver to the consultation (Rule 306) can be found in the SUA attached to the related Form 2. Rule 603.a (2) Exception Request attached to Form 2; Exception Waiver can be found in the SUA attached to the Form 2; the subject location is on two adjacent parcels both owned by the same surface owner.

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

Signed: _____ Date: 08/18/2010 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: 9/29/2010

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 implement site-specific best management practices in accordance with good engineering practices to ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; potential options include, but are not limited to: construction of a berm or diversion dike (either around the entire well pad, portions of the well pad; or around specific vessels and/or structures), diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures sufficiently protective of nearby surface water. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids (drilling, completion, produced fluids, chemical products, etc.).

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.

The location is in an area of high run off/run-on potential; therefore the pad shall be constructed to control/manage any stormwater run-on and/or any potentially impacted stormwater runoff.

Operator must implement best management practices to contain any unintentional release of fluids (drilling, completion, produced fluids, chemical products, etc.).

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.

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.

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

Any pit constructed to hold fluids [if constructed] must be lined or a closed loop system (which has been indicated by BP America on the Form 2A) must be implemented during drilling.

This location will be incorporated in the CDOW/BP Wildlife Mitigation Plan. Efforts to avoid, minimize, and mitigate impacts from oil and gas development will be implemented at this location once the WMP is finalized.

Attachment Check List

Att Doc Num	Name	Doc Description
2033370	CORRESPONDENCE	LF@2541135 2033370
400085607	FORM 2A SUBMITTED	LF@2527439 400085607
400085613	LOCATION PICTURES	LF@2527440 400085613
400085614	LOCATION PICTURES	LF@2527441 400085614
400085615	LOCATION PICTURES	LF@2527442 400085615
400085617	LOCATION PICTURES	LF@2527443 400085617
400085619	LOCATION DRAWING	LF@2527444 400085619
400085624	SURFACE PLAN	LF@2527445 400085624
400085626	HYDROLOGY MAP	LF@2527446 400085626
400085628	ACCESS ROAD MAP	LF@2527447 400085628
400085630	REFERENCE AREA MAP	LF@2527448 400085630
400085634	NRCS MAP UNIT DESC	LF@2527449 400085634
400085636	CONST. LAYOUT DRAWINGS	LF@2527450 400085636
400085637	CONST. LAYOUT DRAWINGS	LF@2527451 400085637
400085638	CONST. LAYOUT DRAWINGS	LF@2527452 400085638
400085639	CONST. LAYOUT DRAWINGS	LF@2527453 400085639
400085640	CONST. LAYOUT DRAWINGS	LF@2527454 400085640
400085642	MULTI-WELL PLAN	LF@2527455 400085642
400085644	PROPOSED BMPs	LF@2527456 400085644

Total Attach: 19 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	PERMITTING PASSED	9/27/2010 1:31:23 PM
Permit	Called Operator for Rig Height and checking on property line disance 63';Exception Location Request Attached	9/24/2010 4:57:39 PM
Permit	Change QTR Qtr from SWNW to Lot 2; Ok received from Operator	9/24/2010 4:57:23 PM
Permit	QTR QTR is Lot 2	9/23/2010 4:21:08 PM
OGLA	Initiated/Completed OGLA Form 2A review on 08-30-10 by Dave Kubeczko; requested clarifications and acknowledgement of close SW fluid containment, spill/release BMPs, cuttings low moisture, no pit in fill, stormwater BMPs COAs from operator on 08-30-10; received clarifications and acknowledgement of COAs from operator on 08-?-10; passed by CDOW on 09-08-10, 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 09-14-10 by Dave Kubeczko; close SW fluid containment, spill/release BMPs, cuttings low moisture, no pit in fill, stormwater BMPs COAs.	8/30/2010 12:29:01 PM
Permit	Opr request to put back to draft in order to add a comment.	8/19/2010 2:54:14 PM

Total: 6 comment(s)

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