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

DE	ET	OE	ES

Document Number: 400229424

Oil and Gas Location Assessment

☒ New Location ☐ Amend Existing Location Location#: _____

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: **427301**

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: 10000

Name: BP AMERICA PRODUCTION COMPANY

Address: 501 WESTLAKE PARK BLVD

City: HOUSTON State: TX Zip: 77079

3. Contact Information

Name: Patti Campbell

Phone: (970) 335-3828

Fax: (970) 335-3837

email: patricia.campbell@bp.com

4. Location Identification:

Name: Beebe, Gary GU A Number: 2

County: LA PLATA

QuarterQuarter: NESW Section: 25 Township: 34N Range: 7W Meridian: M Ground Elevation: 6810

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: 1663 feet FSL , from North or South section line, and 1792 feet FWL , from East or West section line.

Latitude: 37.159270 Longitude: -107.562370 PDOP Reading: 1.7 Date of Measurement: 02/22/2011

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:	0	Drilling Pits:	1	Wells:	1	Production Pits:		Dehydrator Units:	
Condensate Tanks:		Water Tanks:	1	Separators:	2	Electric Motors:	2	Multi-Well Pits:	
Gas or Diesel Motors:	1	Cavity Pumps:	1	LACT Unit:		Pump Jacks:	1	Pigging Station:	
Electric Generators:	1	Gas Pipeline:	1	Oil Pipeline		Water Pipeline:	1	Flare:	
Gas Compressors:	1			VOC Combustor:		Oil Tanks:		Fuel Tanks:	

Other: Electric Control box - 1

6. Construction:

Date planned to commence construction: 06/02/2013 Size of disturbed area during construction in acres: 1.70

Estimated date that interim reclamation will begin: 06/02/2014 Size of location after interim reclamation in acres: 0.80

Estimated post-construction ground elevation: 6810 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 [ ] No [X]

Mud disposal: Offsite [X] 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: [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: [ ] oil and gas lease [X] 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: 20010158 [ ] Gas Facility Surety ID: _____ [ ] 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: 1023 , public road: 746 , above ground utilit: 770

, railroad: 100693 , property line: 796

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 [X] Dry land [X] Improved Pasture [ ] Hay Meadow [ ] CRP

Non-Crop Land: [X] Rangeland [X] 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: 81. Zyme clay loam, 3 to 25 percent slopes

NRCS Map Unit Name: 5. Arboles clay, 3 to 12 percent slopes

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,Basin big sagebrush,Indian ricegrass,Prairie Junegrass,Muttongrass,Blue gamma,Bottlebrush squirreltail,Rubber rabbitbrush,Pinyon,Rocky Mountain juniper,True mountain mahogany,Gamble oak,Needleandthread,Serviceberry,Antelope bitterbrush,

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: 17 , water well: 839 , depth to ground water: 50

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:

1. DOW consultation is via the BP San Juan Colorado Wildlife Mitigation Plan (WMP) dated March 2011; 7. SUA attached to related Form 2 contains waiver to the 30 day notice (Ruel 305) and consultation (Rule 306); 13. Noxious weeds are controlled by an ongoing weed control plan; 14. Sensitive Area Determination Data: Area determined to be sensitive due to an irrigation ditch at 17 feet.

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

Signed: Date: 12/06/2011 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.

Attachment Check List

Att Doc Num	Name
2034103	CORRESPONDENCE
400229424	FORM 2A SUBMITTED
400229579	LOCATION PICTURES
400229583	LOCATION DRAWING
400229584	SURFACE PLAN
400229585	HYDROLOGY MAP
400229587	ACCESS ROAD MAP
400229592	REFERENCE AREA PICTURES
400229611	NRCS MAP UNIT DESC
400229615	NRCS MAP UNIT DESC
400229617	CONST. LAYOUT DRAWINGS
400229620	CONST. LAYOUT DRAWINGS
400229621	CONST. LAYOUT DRAWINGS
400229622	CONST. LAYOUT DRAWINGS
400229623	PROPOSED BMPs

Total Attach: 15 Files

General Comments

User Group	Comment	Comment Date
Permit	Final review completed. BY	1/10/2012 1:31:09 PM
OGLA	Initiated/Completed OGLA Form 2A review on 12-12-11 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 12-12-11; received acknowledgement of COAs from operator on 12-12-11; passed by CDOW on 12-07-11 with site included in WMP acceptable; passed OGLA Form 2A review on 12-27-11 by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, flowback to tanks, and cuttings low moisture content COAs.	12/12/2011 3:01:02 PM
DOW	location is covered under the WMP	12/7/2011 8:47:22 AM

Total: 3 comment(s)

BMP

Type	Comment
Construction	1. Access Road Construction BMPs: 3, 24, 24, & 40 ? Implement wattles where shown on map. ? Install 12” D Steel Line pipe as a culvert where shown on the maps, install wattles as inlet and outlet protection. ? Avoid clearing and leveling ROW to the maximum extent practicable to retain existing vegetation. 2. Drilling Pad Construction BMPs: 2, 14, 24 & 40 ? Implement structural best management practices (i.e. wattles) where shown on maps prior to ground disturbing activities. ? Store Top soil as shown on map on abandoned location to the west of the proposed well pad. ? Construct Diversion Dike around top of cut slope to convey water around slopes. Install rip rap rock at outlet on eastern side to reduce velocity and speed of water release. ? Establish sub-base to route surface water as sheet flow off the west edge of location. ? Establish base lift gravel to accommodate level drilling operations and stabilize pad surface. 3. Drilling and Completion Operations BMPs: Spill and Contaminated Soil Management ? Fuel, Mud Products, drill cutting spoils, Trailer Septic Tanks, etc. that may contribute to storm water run-off shall be maintained within the graveled well pad area and contained in proper containers and/or sheltered from exposure. ? Any equipment maintenance shall be avoided during drilling and completion—in the event maintenance must occur, it shall be conducted within the graveled pad area, fluids shall be captured within spill proof containers, and absorbent mats shall be utilized beneath maintenance operations. ? Contaminated soil should be collected and disposed of at an appropriate soil farm or similar facility. 4. Interim Pad Reclaim BMPs: 2, 24, & 34 ? Reclaim cut/fill slopes to 3:1 or less. Use excess spoil material as initial reclamation of cut slopes. ? Install Rip Rap rock as inlet and outlet protection (D50=6”-) at culvert in access road. ? Trench and bury remaining drill cuttings when material is 95-100% dry. ? Spread top-soil over fill slopes & blend to existing grade areas where sloping meets predisturbance grade. ? Reclaim (seed and mulch) fill and cut slopes of access road. ? Repair, replace, or install pad wattles if necessary or as shown. 5. Re-seeding & BMP Removal ? Re-seed as soon as possible following reclamation of pad-provided season and weather permits and cover with 2 tons/acre of weed free straw mulch. Tackify or crimp the mulch to the exposed soil surfaces. o Cut/Fill Slopes & Top-Soil Storage Area. ? Seed mix should implement an annual cover or triticale. o Seed Mixture = G-P ? Upon 70% Re-Vegetation across site, remove wattles and any other temporary erosion and sediment control BMP.
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 Mangement Plan. Supplemental site specific SWMP is attached.

Total: 3 comment(s)