

**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:

400012163

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 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:

Expiration Date:

☒ 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: 10091Name: BERRY PETROLEUM COMPANYAddress: 1999 BROADWAY STE 3700City: DENVER State: CO Zip: 80202**3. Contact Information**Name: JANNI KEIDELPhone: (303) 999-4225Fax: (303) 999-4325email: jek@bry.com**4. Location**

Identification:

Name: Latham I02 697Number: 2-6DCounty: GARFIELDQuarterQuarter: NESE Section: 2 Township: 6S Range: 97W Meridian: 6 Ground Elevation: 8360

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: 1968 feet, from North or South section line: FSL and 1273 feet, from East or West section line: FELLatitude: 39.550061 Longitude: -108.182545 PDOP Reading: 3.2 Date of Measurement: 10/13/2009

5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

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

Other: DRILLING RIG TEMPORARY ON LOCATION FOR 10 DAYS PER WELL. SEPARATORS USED WILL BE: 2 QUADS, 1 DOUBLE. TEMP OFFICE HOUSING

6. Construction:

Date planned to commence construction: 12/01/2009 Size of disturbed area during construction in acres: 4.67
Estimated date that interim reclamation will begin: 07/04/2011 Size of location after interim reclamation in acres: 3.80
Estimated post-construction ground elevation: 8345 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: _____

7. Surface Owner:

Name: THOMAS LATHAM Phone: 970-283-5248
Address: 1915 HIGHWAY 6 Fax: 970-283-5248
Address: _____ Email: _____
City: DE BEQUE State: CO Zip: 81630-1832 Date of Rule 306 surface owner consultation: 11/06/2009
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 executor 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 20040106

8. Reclamation Financial Assurance:

☒ Well Surety ID: 20040106 ☐ Gas Facility Surety ID: 20040107 ☐ Waste Mgmt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
Distance, in feet, to nearest building: 1975, public road: 15840, above ground util: 15840
, railroad: 36960, property line: 614

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: #56 PARACHUTE-IRIGUL-RHONE ASSOCIATION, 25 TO 50 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: 10/13/2009
List individual species: SAGE BRUSH, OAK & BUCK BRUSH, ASPEN TREES

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: 522, water well: 4556, depth to ground water: 318
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:

THE FOLLOWING IS A LIST OF BEST MANAGEMENT PRACTICES THAT WILL BE IMPLEMENTED BY BERRY DURING THE PAD CONSTRUCTION, WELL DRILLING, WELL COMPLETION, NATURAL GAS PRODUCTION, AND RECLAMATION PHASES OF ACTIVITY ON THE LATHAM I02 697 WELL PAD LOCATION. A TOTAL OF NINE WELLS WILL BE DIRECTIONALLY DRILLED FROM THE I02 697 WELL PAD. DIRECTIONAL DRILLING HAS ENABLED BERRY TO REDUCE THE NUMBER OF WELL PADS REQUIRED FOR GAS RECOVERY AND WILL MINIMIZE SURFACE DISTURBANCE. IN GENERAL, BERRY WILL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL STATUTES, RULES, REGULATIONS AND ORDINANCES, INCLUDING, THOSE OF OSHA, THE COGCC AND CDPHE RELATING TO SAFETY AND THE ENVIRONMENT. DURING CONSTRUCTION OF THE WELL PAD, TOPSOIL WILL BE ISOLATED FROM OTHER SOILS AND PLACED AND STACKED PER COGCC REQUIREMENTS. ALL CUTS, FILL SLOPES, PIT AND TOPSOIL PILES AND SOIL PILES WILL BE STABILIZED AND REVEGETATED IMMEDIATELY FOLLOWING CONSTRUCTION. THE PADS WILL BE CONSTRUCTED IN COMPLIANCE WITH CDPHE STORM WATER DISCHARGE REGULATIONS. THE RESERVE/COMPLETION PIT WILL BE FENCED/FLAGGED AND/OR NETTED TO PREVENT ENTRY OF WILDLIFE (INCLUDING BIRDS) AND LIVESTOCK. BEAR PROOF DUMPSTERS OR TRASH CAGES WILL BE USED ON THE LOCATION FOR SOLID/FOOD WASTE STORAGE. NOXIOUS WEEDS WILL BE CONTROLLED. TEMPORARY HOUSING FOR THE DRILL RIG CREWS WILL MEET ALL GARFIELD COUNTY REGULATIONS. THE HOUSING QUARTERS WILL RECEIVE 24/7 SUPERVISION BY BERRY. PRODUCTION TANKS SHALL BE PLACED ON A NON PERMEABLE LINER.

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

Signed: _____ Date: _____ Email: jek@bry.com

Print Name: JANNI KEIDEL Title: PERMITTING AGENT

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: _____

Attachment Check List

Att Doc Num	Name	Doc Description
400014348	LOCATION PICTURES	I02 697 Pad - Location Pictures.pdf
400014349	REFERENCE AREA PICTURES	I02 697 Pad - Reference Area Pictures.pdf
400014350	LOCATION DRAWING	I02 697 Pad - Construction Layout Drawing Rig Layout .pdf
400014351	ACCESS ROAD MAP	I02 697 Road Access Map.pdf
400014352	REFERENCE AREA MAP	I02 697 Pad - Production Equipment Layout and Reclamation Pad.pdf
400014355	NRCS MAP UNIT DESC	NRCS Soil Report for I02 697 Pad # 56.pdf
400014356	CONST. LAYOUT DRAWINGS	I02 697 Pad - Production Equipment Layout and Reclamation Pad.pdf
400014357	MULTI-WELL PLAN	I02 697 Pad - Multi Well Plan (9 wells).pdf
400014493	PROPOSED BMPs	Proposed BMP's - I02 697 Pad.pdf
400014553	HYDROLOGY MAP A, TOPO	Hydrology Topo - I02 697 Pad.pdf
400014554	HYDROLOGY MAP B, AERIAL	Hydrology Aerial Map - I02 697 Pad.pdf
400014565	EQUIPMENT LIST	Equipment List - I02 697 Pad.pdf

Total Attach: 12 Files