

FORM  
2A

Rev  
08/13

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400612067

Date Received:

Oil and Gas Location Assessment

☒ New Location    ☐ Refile    ☐ Amend Existing Location    Location#: \_\_\_\_\_

Submit signed original form. This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location 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. Please see the COGCC website at <http://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

Expiration Date:

☒ This location assessment is included as part of a permit application.

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.

Operator

Operator Number: 10258

Name: HIGH PLAINS DISPOSAL INC

Address: 1900 SOUTH SUNSET ST #1F

City: LONGMONT    State: CO    Zip: 80501-6599

Contact Information

Name: RUBEN MARKARIAN

Phone: (720) 420-5700

Fax: (720) 420-5800

email: ruben.markarian@iptenergyservices.com

RECLAMATION FINANCIAL ASSURANCE

☒ Plugging and Abandonment Bond Surety ID: 20080043    ☐ Gas Facility Surety ID: \_\_\_\_\_

☐ Waste Management Surety ID: \_\_\_\_\_

LOCATION IDENTIFICATION

Name: HPD PLATTEVILLE    Number: 2

County: WELD

Quarter: NENE    Section: 24    Township: 3N    Range: 66W    Meridian: 6    Ground Elevation: 5026

Define a single point as a location reference for the facility location. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 260 feet FNL from North or South section line

566 feet FEL from East or West section line

Latitude: 40.217430    Longitude: -104.717780

PDOP Reading: 2.2    Date of Measurement: 04/09/2014

Instrument Operator's Name: BRIAN ROTTINGHAUS

## RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is:

LOCATION ID #

FORM 2A DOC #

## FACILITIES

Indicate the number of each type of oil and gas facility planned on location

|                      |   |                     |  |                      |  |                 |  |   |  |
|----------------------|---|---------------------|--|----------------------|--|-----------------|--|---|--|
| Wells                | 1 | Oil Tanks           |  | Condensate Tanks     |  | Water Tanks     |  | Buried Produced Water Vaults              |  |
| Drilling Pits        |   | Production Pits     |  | Special Purpose Pits |  | Multi-Well Pits |  | Temporary Large Volume Above Ground Tanks |  |
| Pump Jacks           |   | Separators          |  | Injection Pumps      |  | Cavity Pumps    |  |   |  |
| Gas or Diesel Motors |   | Electric Motors     |  | Electric Generators  |  | Fuel Tanks      |  | Gas Compressors                           |  |
| Dehydrator Units     |   | Vapor Recovery Unit |  | VOC Combustor        |  | Flare           |  | LACT Unit                                 |  |
|                      |   |                     |  |                      |  |                 |  | Pigging Station                           |  |

## OTHER FACILITIES

Other Facility Type

Number

|  |  |
|--|--|
|  |  |
|--|--|

Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

Intra-facility flow lines are generally 4" fusion bonded schedule 80 steel.

All disposable fluids will be transferred from adjacent location HPD Platteville (location ID 302455). High Plains Disposal, Inc. operates HPD Platteville but is separate from this proposed location.

## CONSTRUCTION

Date planned to commence construction: 06/13/2014 Size of disturbed area during construction in acres: 3.50

Estimated date that interim reclamation will begin: 12/13/2014 Size of location after interim reclamation in acres: 0.30

Estimated post-construction ground elevation: 5026

## DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: Yes

Is H<sub>2</sub>S anticipated? No

Will salt sections be encountered during drilling: No

Will salt based mud (>15,000 ppm Cl) be used? No

Will oil based drilling fluids be used? No

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Method: Commercial Disposal

Cutting Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal

Other Disposal Description:

Beneficial reuse or land application plan submitted? No

Reuse Facility ID: or Document Number:

Centralized E&P Waste Management Facility ID, if applicable:

## SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: HIGH PLAINS DISPOSAL INC

Phone: 303-654-9255

Address: 1900 SOUTH SUNSET ST #1F

Fax: 3037761174

Address: \_\_\_\_\_

Email: \_\_\_\_\_

City: LONGMONT State: CO Zip: 80501

Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian

Check all that apply. The Surface Owner: ☐ is the mineral owner

☐ is committed to an oil and Gas Lease

☐ has signed the Oil and Gas Lease

☒ is the applicant

The Mineral Owner beneath this Oil and Gas Location is: ☒ Fee ☐ State ☐ Federal ☐ Indian

The Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: No

The right to construct this Oil and Gas Location is granted by: applicant is owner

Surface damage assurance if no agreement is in place: \_\_\_\_\_ Surface Surety ID: \_\_\_\_\_

Date of Rule 306 surface owner consultation \_\_\_\_\_

## CURRENT AND FUTURE LAND USE

### 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

### 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

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 504 Feet  
Building Unit: 525 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 253 Feet  
Above Ground Utility: 234 Feet  
Railroad: 5280 Feet  
Property Line: 210 Feet

### INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.  
- Enter 5280 for distance greater than 1 mile.  
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.  
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

## DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a: ☒ Buffer Zone  
☐ Exception Zone  
☐ Urban Mitigation Area

- Buffer Zone - as described in Rule 604.a.(2), within 1,000' of a Building Unit.  
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.  
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: \_\_\_\_\_

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: 04/16/2014

## SOIL

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.org/> 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: 73 - LOAMY SAND, 3 TO 5 PERCENT SLOPES

NRCS Map Unit Name: 72 - LOAMY SAND, 0 TO 3 PERCENT SLOPES

NRCS Map Unit Name: \_\_\_\_\_

## 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 (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): \_\_\_\_\_

## WATER RESOURCES

Is this a sensitive area: ☒ No ☐ Yes

Distance to nearest

downgradient surface water feature: 2400 Feet

water well: 660 Feet

Estimated depth to ground water at Oil and Gas Location 511 Feet

Basis for depth to groundwater and sensitive area determination:

Static water level was determined from the nearest water well to location with applicable data: Permit # 261122- , located NENE Sec 24-T3N-R66W. This well has a static water level of 531'. There is no elevation listed for this well, but topographic maps show it as approximately 20' below location. Correcting for this difference results in an estimate of 511' to groundwater at location. Groundwater depth is not determined by the nearest water well located 660' SW due to inapplicable data of static water level of 10'.

Nearest downgradient surface water feature is a stream located approx. 2400' NE.

Water well, located 265' SW, permit # 48960-MH-, is a monitoring well that is owned by High Plains Disposal, Inc.

Is the location in a riparian area: ☒ No ☐ Yes

Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer No  
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: \_\_\_\_\_

## GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 318A

## DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- ☐ Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- ☐ Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- ☐ Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- ☐ Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

## RULE 502.b VARIANCE REQUEST

☐ Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number \_\_\_\_\_

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

## OPERATOR COMMENTS AND SUBMITTAL

Comments

Forms 31 & 33 submitted via hand delivery. Form 2/2A submitted same day via eForms.

305.a Notification certification attached as "other."

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

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ Email: ruben.markarian@iptenergyservices.com

Print Name: RUBEN MARKARIAN Title: ENGINEER

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: \_\_\_\_\_

### **Conditions Of Approval**

**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.**

#### **COA Type**

#### **Description**

|  |  |
|--|--|
|  |  |
|--|--|

## **Best Management Practices**

| <b>No</b> | <b>BMP/COA Type</b>                    | <b>Description</b>   |
|-----------|--|--|
| 1         | Planning                               | Single well Pads. It is a single well pad located in a manner which allows for resource extraction while maintaining the highest distances possible from the offsetting residential areas and complies with the wishes of the surface owner.                 |
| 2         | Planning                               | Site-specific measures. This location has been designed to mitigate the visual impacts to the surrounding properties.  |
| 3         | Traffic control                        | Temporary access roads. The access road will be constructed to accommodate local emergency vehicles. This road will be maintained for access at all times.   |
| 4         | Traffic control                        | Traffic Plan. Traffic will be routed to minimize local interruption. Local government does not require a traffic plan.   |
| 5         | General Housekeeping                   | Removal of surface trash. All trash, debris and material not intrinsic to the operation of the oil and gas facility shall be removed and legally disposed of as applicable.  |
| 6         | General Housekeeping                   | Fencing requirements. A meeting with the surface owner will determine fencing plan.  |
| 7         | Material Handling and Spill Prevention | Leak Detection Plan. Pumper will visit the location daily and visually inspect all fittings for leaks. Additionally, monthly documented SPCCP inspections are conducted pursuant to 40 CFR §112.   |
| 8         | Material Handling and Spill Prevention | Loadlines. All loadlines shall be bullplugged or capped.   |
| 9         | Material Handling and Spill Prevention | Tank specifications. Tanks will be designed, constructed and maintained in accordance with NFPA Code 30. The tanks are visually inspected once a day for issues, and recorded inspections are conducted once a month.  |
| 10        | Construction                           | Berm construction. Tank berms shall be constructed of steel rings with a synthetic or engineered liner and designed to contain 150% of the capacity of the largest tank. All berms will be visually checked periodically to ensure proper working condition. |
| 11        | Noise mitigation                       | Noise. The drilling site is far enough away from the building unit that noise mitigation is not required.  |
| 12        | Drilling/Completion Operations         | Pit level indicators. Not applicable; a closed-loop system will be used and no pits shall be dug.  |
| 13        | Drilling/Completion Operations         | Closed Loop Drilling Systems – Pit Restrictions. Not applicable; a closed-loop system will be used for drilling.   |
| 14        | Drilling/Completion Operations         | Blowout preventer equipment (“BOPE”). A double ram and annular preventer will be used during drilling. At least the drilling company shall have a valid well blowout prevention certifications.  |
| 15        | Drilling/Completion Operations         | BOPE for well servicing operations. Adequate BOP equipment shall be used. Stabbing valves shall be installed in the event of reverse circulation and shall be prior tested with low and high pressure fluid.   |
| 16        | Drilling/Completion Operations         | Drill stem tests. Not applicable; no Drill Stem tests are planned.   |
| 17        | Drilling/Completion Operations         | Control of fire hazards. All materials which are considered fire hazards shall be a minimum of 25’ from the wellhead tanks or separators. Electrical equipment shall comply with API RP 500 and will comply with the current national electrical code.       |
| 18        | Drilling/Completion Operations         | Guy line anchors. All guy line anchors shall be brightly marked pursuant to Rule 604.c (2)Q.   |
| 19        | Final Reclamation                      | Well site cleared. Within 90-day subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site  |
| 20        | Final Reclamation                      | Identification of plugged and abandoned wells. P&A’d wells shall be identified pursuant to 319.a.(5).  |

Total: 20 comment(s)

### Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u>             |
|--------------------|-------------------------|
| 400612102          | OTHER                   |
| 400612107          | FACILITY LAYOUT DRAWING |
| 400612109          | EXCEPTION LOC REQUEST   |
| 400612735          | ACCESS ROAD MAP         |
| 400612737          | HYDROLOGY MAP A, TOPO   |
| 400612740          | LOCATION DRAWING        |
| 400612741          | LOCATION PICTURES       |
| 400612745          | NRCS MAP UNIT DESC      |
| 400612747          | WASTE MANAGEMENT PLAN   |

Total Attach: 9 Files

### General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|---------------------|
|                   |                |                     |

Total: 0 comment(s)