

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:

401491268

Date Received:

12/20/2017

Oil and Gas Location Assessment

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

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:

**454195**

Expiration Date:

**03/04/2021**

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: 10657

Name: PCR OPERATING LLC

Address: 4040 BROADWAY STREET #510

City: SAN ANTONIO State: TX Zip: 78209

Contact Information

Name: David Kunovic

Phone: (210) 451-5545

Fax: (210) 463-9297

email: dkunovic@passcreekresources.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20170044     Gas Facility Surety ID: \_\_\_\_\_

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

LOCATION IDENTIFICATION

Name: ADENA SOUTH WATER PLANT Number: 158-24-41

County: MORGAN

Quarter: NENW Section: 24 Township: 1N Range: 58W Meridian: 6 Ground Elevation: 4589

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: 350 feet FNL from North or South section line

2355 feet FWL from East or West section line

Latitude: 40.043270 Longitude: -103.821660

PDOP Reading: 1.6 Date of Measurement: 12/13/2017

Instrument Operator's Name: Craig Burke



## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: \_\_\_\_\_ Drilling Fluids Disposal Method: \_\_\_\_\_

Cutting Disposal: \_\_\_\_\_ Cuttings Disposal Method: \_\_\_\_\_

Other Disposal Description:

There will be no drilling. This will be a water separation and production tank battery and water injection facility.

Beneficial reuse or land application plan submitted? \_\_\_\_\_

Reuse Facility ID: \_\_\_\_\_ or Document Number: \_\_\_\_\_

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

## SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: Jewell Jones

Phone: \_\_\_\_\_

Address: 3405 Gurnard Ave.

Fax: \_\_\_\_\_

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

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

City: San Pedro State: CA Zip: 90732

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: Yes

The right to construct this Oil and Gas Location is granted by: oil and gas lease

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

Date of Rule 306 surface owner consultation 12/12/2017

## 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**

Provide the distance to the nearest cultural feature as measured from Wells or Production Facilities onsite.

|                                   | <b>From WELL</b> | <b>From PRODUCTION FACILITY</b> |
|-----------------------------------|------------------|---------------------------------|
| Building:                         | _____ Feet       | 2928 Feet                       |
| Building Unit:                    | _____ Feet       | 3068 Feet                       |
| High Occupancy Building Unit:     | _____ Feet       | 5280 Feet                       |
| Designated Outside Activity Area: | _____ Feet       | 5280 Feet                       |
| Public Road:                      | _____ Feet       | 55 Feet                         |
| Above Ground Utility:             | _____ Feet       | 71 Feet                         |
| Railroad:                         | _____ Feet       | 5280 Feet                       |
| Property Line:                    | _____ Feet       | 50 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.  
 -For measurement purposes only, Production Facilities should only include those items with an asterisk(\*) on the Facilities Tab.

**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.  
 - Large UMA Facility – 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: \_\_\_\_\_

**FOR MULTI-WELL PADS AND PRODUCTION FACILITIES WITHIN DESIGNATED SETBACK LOCATIONS ONLY:**

- Check this box if this Oil and Gas Location has or will have Production Facilities that serve multiple wells (onl or offsite) and the Production Facilities are proposed to be located less than 1,000 feet from a Building Unit. *(Pursuant to Rule 604.c.(2)E.i., the operator must evaluate alternative locations for the Production Facilities that are farther from the Building Unit, and determine whether those alternative locations were technically feasible and economically practicable for the same proposed development.)*
- By checking this box, I certify that no alternative placements for the Production Facilities, farther from the nearest Building Unit, were available based on the analysis conducted pursuant to Rule 604.c.(2)E.i.

In the space below, explain rationale for siting the multi-well Production Facility(ies) that supports your Rule 604.c.(2)E.i determination. Attach documentation that supports your determination to this Form 2A.

**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 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: Weld loam - WmA

NRCS Map Unit Name: Colby-Adena loams CnD

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:  Feet

water well:  Feet

Estimated depth to ground water at Oil and Gas Location  Feet

Basis for depth to groundwater and sensitive area determination:

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  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: \_\_\_\_\_

Is the Location within a Floodplain?  No  Yes Floodplain Data Sources Reviewed (check all that apply)

Federal (FEMA)

State

County

Local

Other

**GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING**

Water well sampling required per Rule

**WILDLIFE**

This location is included in a Wildlife Mitigation Plan

This location was subject to a pre-consultation meeting with CPW held on \_\_\_\_\_

### DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of a Building Unit) and is in an Urban Mitigation Area
- 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

This water separation and production tank battery and water injection facility will be processing produced fluids from several wells within an approximate radius of one mile. Additionally, this facility will be distributing produced water to several injections wells within an approximate radius of one mile. A facility engineering design is in process - a preliminary facility design plat is attached. The actual location of facility equipment has not been determined. Cultural setback measurements submitted are from the nearest boundary of the surveyed site. The lat/longs provided are measured at the center of the site.

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

Signed: \_\_\_\_\_ Date: 12/20/2017 Email: dkunovic@passcreekresources.com

Print Name: David Kunovic Title: VP Exploration

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: 3/5/2018

### Surface Owner Information

| Owner Name         | Address                                  | Phone | Fax | Email |
|--------------------|------------------------------------------|-------|-----|-------|
| Jewell Jones       | 3405 Gurnard Ave.<br>San Pedro, CA 90732 |       |     |       |
| Madeleine R. Drake | 3405 Gurnard Ave.<br>San Pedro, CA 90732 |       |     |       |

2 Surface Owner(s)

### 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.**

| <b>COA Type</b> | <b>Description</b> |
|-----------------|--------------------|
|                 |                    |

**Best Management Practices**

| <b>No BMP/COA Type</b> | <b>Description</b> |
|------------------------|--------------------|
|                        |                    |

**Attachment Check List**

| <b>Att Doc Num</b> | <b>Name</b>             |
|--------------------|-------------------------|
| 401491268          | FORM 2A SUBMITTED       |
| 401491356          | SURFACE AGRMT/SURETY    |
| 401491773          | ACCESS ROAD MAP         |
| 401491774          | HYDROLOGY MAP           |
| 401491775          | LOCATION DRAWING        |
| 401491776          | FACILITY LAYOUT DRAWING |
| 401491778          | LOCATION PICTURES       |
| 401491779          | REFERENCE AREA PICTURES |
| 401491780          | REFERENCE AREA MAP      |
| 401491781          | TOPO MAP                |
| 401491783          | WELL LOCATION PLAT      |
| 401499194          | NRCS MAP UNIT DESC      |

Total Attach: 12 Files

**General Comments**

| <b>User Group</b> | <b>Comment</b>                                                                                                                                                                                             | <b>Comment Date</b> |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Permit            | Final Review Completed.                                                                                                                                                                                    | 02/27/2018          |
| Permit            | Corrected right to construct to O&G lease.                                                                                                                                                                 | 02/27/2018          |
| OGLA              | Operator concurred with equipment list via phone call. Changed 1 VRU on equipment list to 1 Combustor per phone call. Location is not a designated setback location. OGLA review complete and task passed. | 02/14/2018          |
| OGLA              | Operator responded via email with concurrence to add remote related locations and attached additional NRCS unit map description for Colby-Adena. Call and leave a message for clarification on equipment.  | 02/07/2018          |
| OGLA              | Spoke with operator on the phone and sent email - added remote related well location 2A numbers, requested NRCS map unit attachment for Colby-Adena. Confirm number of water tanks for location.           | 01/22/2018          |
| LGD               | Please contact Morgan County Planning and Zoning; a conditional use permit will be required.                                                                                                               | 01/05/2018          |
| Permit            | Passed Completeness.                                                                                                                                                                                       | 01/04/2018          |
| Permit            | Returned to draft for:<br>- missing attachment "NRCS MAP UNIT DESC"                                                                                                                                        | 12/29/2017          |

Total: 8 comment(s)