

FORM
2A

Rev
04/18

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:

401648068

Date Received:

06/14/2018

Oil and Gas Location Assessment

New Location Refile Amend Existing Location Location#: 454560

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:

454560

Expiration Date:

08/15/2021

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: 10518
Name: CONFLUENCE DJ LLC
Address: 1001 17TH STREET #1250
City: DENVER State: CO Zip: 80202

Contact Information

Name: Brittany Rothe
Phone: (303) 226-9519
Fax: ()
email: brothe@confluencelp.com

FINANCIAL ASSURANCE

- Plugging and Abandonment Bond Surety ID (Rule 706): 20160056 Gas Facility Surety ID (Rule 711): _____
- Waste Management Surety ID (Rule 704): _____

LOCATION IDENTIFICATION

Name: 70 Ranch Number: 10 West
County: WELD
Quarter: SWSW Section: 3 Township: 4N Range: 63W Meridian: 6 Ground Elevation: 4592

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 FSL from North or South section line
1037 feet FWL from East or West section line

Latitude: 40.334730 Longitude: -104.430120

PDOP Reading: 1.5 Date of Measurement: 05/09/2018

Instrument Operator's Name: Kyle Daley

Name: 70 Ranch LLC Phone: _____
 Address: 8301 E. Prentice Ave Suite 100 Fax: _____
 Address: _____ Email: _____
 City: Greenwood State: CO Zip: 80111
Village

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: Surface Use Agreement

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

Date of Rule 306 surface owner consultation 10/24/2016

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): Industrial

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): Industrial

Subdivided: Industrial Commercial Residential

CULTURAL DISTANCE INFORMATION

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

| | From WELL | From PRODUCTION FACILITY |
|-----------------------------------|-----------|--------------------------|
| Building: | 3333 Feet | 2750 Feet |
| Building Unit: | 4586 Feet | 4574 Feet |
| High Occupancy Building Unit: | 5280 Feet | 5280 Feet |
| Designated Outside Activity Area: | 5280 Feet | 5280 Feet |
| Public Road: | 631 Feet | 170 Feet |
| Above Ground Utility: | 722 Feet | 261 Feet |
| Railroad: | 5280 Feet | 5280 Feet |
| Property Line: | 260 Feet | 5 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

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: _____

- 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.

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 (on 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: 70-Valent sand, 3 to 9 percent slopes _____

NRCS Map Unit Name: _____

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): Currently, there is no vegetation on the proposed wellpad.

WATER RESOURCES

Is this a sensitive area: No Yes

Distance to nearest

downgradient surface water feature: 30 Feet

water well: 0 Feet

Estimated depth to ground water at Oil and Gas Location 38 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 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: _____

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 318A

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

Confluence is aware of the Weld County WOGLA and will resubmit the necessary paperwork for that permit prior to construction. The current location was disturbed by 70 Ranch for industrial lots.

This 2A is being amended due to the well count on this pad increasing from 8 to 13 and revised facility/equipment counts.

The lands comprising the 70 Ranch 10 West pad are non-irrigated ranchlands. According to our SUA with surface owners 70 Ranch, we will disturb their surface as minimally as possible and we will also reclaim the full location to the interim acreage identified on the 2A documents provided.

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

Signed: _____ Date: 06/14/2018 Email: tjenkins@upstreampm.com

Print Name: Tishany Jenkins Title: Permit 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: 8/16/2018

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

| <u>COA Type</u> | <u>Description</u> |
|-----------------|---|
| | Green Completions -Test separators and associated flow lines, sand traps and emission control systems shall be installed on-site to accommodate green completions techniques. When commercial quantities of salable quality gas are achieved at each well, the gas shall be immediately directed to a sales line or shut in and conserved. If a sales line is unavailable or other conditions prevent placing the gas into a sales line, the operator shall not produce the wells without an approved variance per Rule 805.b.(3)C. |

Best Management Practices

| <u>No</u> | <u>BMP/COA Type</u> | <u>Description</u> |
|-----------|-----------------------------|--|
| 1 | Storm Water/Erosion Control | <p>Confluence will maintain a Stormwater Management Plan with site specific measures to assess erosion control. Confluence will make thorough inspections. The inspection schedule is as follows:</p> <p>While site is under construction, an inspection is required at least every 14 calendar days;</p> <p>Post storm event inspections must be conducted within 24 hours after the end of any precipitation or snowmelt event that causes surface erosion. Inspection records will be kept on file for a minimum of three (3) years from expiration or inactivation of permit coverage. These records will be made available to the regulatory agencies upon request.</p> |

Total: 1 comment(s)

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|-------------------------|
| 1010455 | WASTE MANAGEMENT PLAN |
| 1734261 | SURFACE AGRMT/SURETY |
| 401648068 | FORM 2A SUBMITTED |
| 401673634 | SURFACE AGRMT/SURETY |
| 401673666 | ACCESS ROAD MAP |
| 401673674 | CONST. LAYOUT DRAWINGS |
| 401673676 | HYDROLOGY MAP |
| 401673677 | LOCATION DRAWING |
| 401673678 | LOCATION PICTURES |
| 401673682 | NRCS MAP UNIT DESC |
| 401673685 | REFERENCE AREA MAP |
| 401673687 | REFERENCE AREA PICTURES |
| 401673688 | MULTI-WELL PLAN |

Total Attach: 13 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|--|----------------------------|
| Permit | Final permitting review Complete. Send to Final Approval. - changed construction date to "8/17/2018" from "8/14/2018" | 08/16/2018 |
| Final Review | to HOLD - asked for interim rec statement clarification Pushed to IN PROCESS - MMH Added the following: The lands comprising the 70 Ranch 10 West pad are non-irrigated ranchlands. According to our SUA with surface owners 70 Ranch, we will disturb their surface as minimally as possible and we will also reclaim the full location to the interim acreage identified on the 2A plats provided. Removed the following: No Interim Reclamation is currently planned as the location has been previously disturbed and will be developed for industrial uses. There is minimal disturbed vegetation on the location. | 08/13/2018 |
| Permit | Final permitting review Complete. Send to Final Approval. Per communication with Operator: - attached SUA amendment as "SURFACE AGRMT/SURETY" | 08/09/2018 |
| OGLA | QUESTIONS There is a water well that appears to be located within the Location boundaries. - Per Operator: Operator will set barriers around it such that it isn't disturbed during drilling, completion and production operations. - 08/06/2018 Please verify how saleable gas be handled. - Per Operator: Operator will tie in and sell gas to Anadarko from this location. - 08/06/2018 Waste Management Plan references Edge in the last paragraph. - Per Operator request, uploaded corrected Waste Management Plan. - 08/09/2018 Per Operator, separator is 5 feet from the property line. OGLA Review Complete. Working with Operator on the corrections. | 07/20/2018 |
| OGLA | Changed Estimated Depth to Groundwater to 38 feet based on the static water level reported for DWR Water Well Permit #50382. Changed the Basis Statement to reflect DWR Permit #50382. | 07/20/2018 |
| Permit | Initial permitting review complete and task passed. The following changes were made with Operator concurrence: - corrected "minerals beneath this Oil and Gas Location will be developed" from "YES" to "NO" - confirmed 13th well "70 Ranch 10-12-3L" APD to be submitted at later date | 06/27/2018 |
| Permit | Contacted Operator for the following corrections: - "Surface & Minerals" tab: "minerals beneath this Oil and Gas Location will be developed" is selected as "YES", but the lease is outside the DSU. - the "Facilities" tab and MULTI-WELL PLAN refer to 13 wells, but there are only 12 wells referenced in the "Related Forms" tab. | 06/26/2018 |
| Permit | Passed Completeness. | 06/22/2018 |
| Permit | Returned to draft: Missing Waste Management attachment. | 06/21/2018 |

Total: 9 comment(s)