

FORM  
2A

Rev  
01/21

# 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:

402958562

**(SUBMITTED)**

Date Received:

## Oil and Gas Location Assessment

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 <https://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

**436576**

Expiration Date:

New Location  Refile  Amend Existing Location # 436576

If this Location assessment is a component of an Oil and Gas Development Plan (OGDP) application, enter the OGDP docket number(s).

Docket Number	OGDP ID	OGDP Name
220400073		

If this Location assessment is part of an existing Oil and Gas Development Plan, enter the OGDP ID number(s).

<No existing OGDP number provided>

### CONSULTATION

- This location is included in a Comprehensive Area Plan (CAP). CAP ID # \_\_\_\_\_
- This Location or its associated new access road, utility, or Pipeline corridor meets Rule 309.e.(2).A, B, or C.
- This Location is within 2,640 feet of a GUDI or Type III Well per Rule 411.b.(4).
- This Location includes a Rule 309.e.(2).E variance request.
- This location includes a Rule 309.f.(1).A.ii. variance request.

### Operator

Operator Number: 47120  
 Name: KERR MCGEE OIL & GAS ONSHORE LP  
 Address: P O BOX 173779  
 City: DENVER State: CO Zip: 80217-3779

### Contact Information

Name: TRACY COLLING  
 Phone: (720) 9296160  
 Fax: ( )  
 email: TRACY\_COLLING@OXY.COM

### FINANCIAL ASSURANCE

- Plugging and Abandonment Bond Surety ID (Rule 706): 20010124  Gas Facility Surety ID (Rule 711): \_\_\_\_\_
- Waste Management Surety ID (Rule 704): \_\_\_\_\_

### LOCATION IDENTIFICATION

Name: BERRY FARMS FACILITY Number: 8-8HZ

Provide the location description and the latitude and longitude of a single point near the center of the Working Pad Surface as a reference for this Location.

QuarterQuarter: NWNE Section: 8 Township: 3N Range: 67W Meridian: 6 Ground Elevation: 4825  
 Latitude: 40.245463 Longitude: -104.910202  
 GPS Quality Value: 1.6 Type of GPS Quality Value: PDOP Date of Measurement: 12/04/2020

## RELATED REMOTE LOCATIONS

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

<b>This proposed Oil and Gas Location is:</b>	<b>LOCATION ID #</b>	<b>FORM 2A DOC #</b>
Production Facilities Location serves Well(s)	318973	402958547
Production Facilities Location serves Well(s)	436028	

## RELEVANT LOCAL GOVERNMENT SITING INFORMATION

County: WELD Municipality: N/A

Per § 34-60-106 (1)(f)(I)(A), the following questions pertain to the "Relevant Local Government approval of the siting of the proposed oil and gas location."

This proposed Oil and Gas Location is in an area designated as one of State interest and subject to the requirements of § 24-65.1-108, C.R.S. Yes

Does the Relevant Local Government regulate the siting of Oil and Gas Locations, with respect to this location? Yes

A siting permit application has been submitted to the Relevant Local Government for this proposed Oil and Gas Location: Yes

Date Relevant Local Government permit application submitted: 03/07/2022

Current status or disposition of the Relevant Local Government permit application for this proposed Oil and Gas Location: In Process

Status/disposition date: 04/15/2022

If Relevant Local Government permit has been approved or denied, attach final decision document(s).

Provide the contact information for the Relevant Local Government point of contact for the local permit associated with this proposed Oil and Gas Location:

Contact Name: Jason Maxey Contact Phone: 970-400-3580

Contact Email: jmaxey@weldgov.com

## PROXIMATE LOCAL GOVERNMENT INFORMATION

For every Proximate Local Government (PLG) associated with this proposed Oil and Gas Location, provide the PLG's point of contact and their contact information.

< No row provided >

## FEDERAL PERMIT INFORMATION

A Federal drilling permit (or related siting application) has been submitted for this proposed Oil and Gas Location: No

Date submitted: \_\_\_\_\_

Current status or disposition of the Federal drilling permit (or related siting application) for this proposed Oil and Gas Location: \_\_\_\_\_

Status/disposition Date: \_\_\_\_\_

If Federal agency permit has been approved or denied, attach the final decision document(s).

Provide the contact information of the Federal point of contact for the Federal permit associated with this proposed Oil and Gas Location.

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Contact Email: \_\_\_\_\_ Field Office: \_\_\_\_\_

Additional explanation of local and/or federal process:

1041WOGLA21-0025

## RELEVANT LOCAL GOVERNMENT OR FEDERAL PRE-APPLICATION CONSULTATION

Complete this section for any pre-application consultation related to this proposed Oil and Gas Location that occurred prior to the submission of this Form 2A. If a pre-application Formal Consultation Process occurred, attach a Consultation Summary.

Did a pre-application Formal Consultation Process occur with the Relevant Local Government per Rule 301.f.(3)? Yes

Date of local government consultation: 09/27/2021

Did a pre-application Formal Consultation Process occur with the Federal land manager per Rule 301.f.(3)? No

Date of federal consultation: \_\_\_\_\_

Was an ALA that satisfies Rule 304.b.(2).C (or substantially equivalent information per Rule 304.e) developed during a federal or local government permit application process? If yes, attach the ALA to the Form 2A. No

## ALA APPLICABILITY AND CRITERIA

Complete this section for any pre-application consultation related to this proposed Oil and Gas Location that occurred prior to the submission of this Form 2A. If a pre-application Formal Consultation Process occurred, attach a Consultation Summary.

Does the proposed Oil and Gas Location meet any of the criteria listed in Rule 304.b.(2)B? Yes

If YES, indicate by checking the box for every Rule 304.b.(2).B criterion met by this proposed Location, and attach an ALA. See Rule 304.b.(2).B.i-x for full text of criteria.

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> i. WPS < 2,000 feet from RBU/HOBU                                   | <input type="checkbox"/> vi.aa. WPS within a surface water supply area                                  |
| <input type="checkbox"/> ii. WPS < 2,000 feet from School/Child Care Center                             | <input type="checkbox"/> vi.bb. WPS < 2,640 feet from Type III or GUDI well                             |
| <input type="checkbox"/> iii. WPS < 1,500 feet from DOAA  | <input checked="" type="checkbox"/> vii. WPS within/immediately upgradient of wetland/riparian corridor |
| <input type="checkbox"/> iv. WPS < 2,000 feet from jurisdictional boundary and PLG objects/requests ALA | <input type="checkbox"/> viii. WPS within HPH and CPW did not waive                                     |
| <input type="checkbox"/> v. WPS within a Floodplain   | <input type="checkbox"/> ix. Operator using Surface bond  |
|   | <input type="checkbox"/> x. WPS < 2,000 feet from RBU/HOBU/School within a DIC                          |

Is the proposed Oil and Gas Location within the exterior boundaries of the Southern Ute Indian Reservation, and the Tribe objects to the Location or requests an ALA? If YES, attach an ALA to the Form 2A. No

Operator requests the Director waive the ALA requirement per Rule 304.b.(2).A.i:

Provide an explanation for the waiver request, and attach supporting information (if necessary).

ALA waiver request attached as "Other".

## ALTERNATIVE LOCATIONS DASHBOARD

List every alternative location reviewed and included in the ALA. Provide a latitude and longitude for the approximate center of the alternative location, all Rule 304.b.(2).B Criteria met, if a variance would be required to permit the location, and a brief comment on the key points of the alternative location.

304.b.(2).B.i-x Criteria Met:

#	latitude	longitude	i	ii	iii	iv	v	vi	vii	viii	ix	x	Variance Required?	Comments
	40.243470	-104.866910							x	x				ALT 4 = SECTION 11 NW4 Surface Owner unresponsive
	40.245910	-104.903130	x						x					ALT 1 = SECTION 9 3 RBUs within 2,000 ft. Surface Owner unresponsive
	40.246280	-104.845090	x						x					ALT 6 = SECTION 12 8 RBUs within 2,000 ft
	40.236320	-104.850090	x				x		x					ALT 3 = SECTION 11 SE4 6 RBUs within 2,000 ft. Surface Owner unresponsive
	40.239110	-104.876030								x				ALT 2 = SECTION 10 Surface Owner unresponsive
	40.244370	-104.852570	x						x	x				ALT 5 = SECTION 11 NE4 5 RBUs within 2,000 ft. Pad location at surface owners request to protect more valuable crop land

## SURFACE & MINERAL OWNERSHIP

Surface Owner Info:

Name: Berry Farms LLC

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

Address: 2195 Chantala Ln

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

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

Email: garrettchar@comcast.net

City: Pueblo State: CO Zip: 81066

Surface Owner at this Oil and Gas Location:  Fee  State  Federal  Indian

Check only one:

The Operator/Applicant is the surface owner.

The Operator has a signed Surface Use Agreement for this Location – attach SUA.

All operations on this Oil & Gas Location will develop the minerals beneath the Location, and the surface owner owns the minerals beneath this Location and is committed to an oil and gas lease – attach lease map or provide lease description.

All operations on this Oil & Gas Location will develop the minerals beneath the Location, and the Operator intends to use a surface bond per Rule 703 to secure access to this Location – attach lease map or provide lease description.

Surface Owner protection Financial Assurance type: N/A

Surety ID Number: \_\_\_\_\_

Mineral Owner beneath this Oil and Gas Location:  Fee  State  Federal  Indian

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

Lease description if necessary: \_\_\_\_\_

## SITE EQUIPMENT LIST

Indicate the number and type of major equipment components planned for use on this Oil and Gas Location:

Wells	0	Oil Tanks	0	Condensate Tanks	1	Water Tanks	3	Buried Produced Water Vaults	0
Drilling Pits	0	Production Pits	0	Special Purpose Pits	0	Multi-Well Pits	0	Modular Large Volume Tank	0
Pump Jacks	0	Separators	7	Injection Pumps	0	Heater-Treaters	0	Gas Compressors	0
Gas or Diesel Motors	0	Electric Motors	0	Electric Generators	0	Fuel Tanks	0	LACT Unit	2
Dehydrator Units	0	Vapor Recovery Unit	0	VOC Combustor	1	Flare	0	Enclosed Combustion Devices	0
Meter/Sales Building	1	Pigging Station	0	Vapor Recovery Towers	0				

**OTHER PERMANENT EQUIPMENT**

Permanent Equipment Type	Number
E House	1
Air Compressor	1
Electrical Box	2
Chemical Tote	2

**OTHER TEMPORARY EQUIPMENT**

Temporary Equipment Type	Number
ECD	6
Purge Flare	3
Water Tanks	16
Propane Tank	1
Generator	2

**GAS GATHERING COMMITMENT**

Operator commits to connecting to a gathering system by the Commencement of Production Operations? Yes

If the answer is NO, a Gas Capture Plan consistent with the requirements of Rule 903.e MUST be attached on the Plans tab.

**FLOWLINE DESCRIPTION**

Per Rule 304.b.(6), provide a description of all onsite and off-location oil, gas, and/or water flowlines.

Flowlines - 2"-3" size (outside diameter), constructed of carbon steel.  
 Oil and gas pipelines will be used at this location.  
 The oil and gas pipelines will be constructed by a 3rd party midstream company.

**CULTURAL DISTANCE AND DIRECTION**

Provide the distance and direction to the nearest cultural feature as measured from the edge of the Working Pad Surface.

	Distance	Direction	Rule 604.b Conditions Satisfied (check all that apply):			Details of Condition(s)	604.b. (4)
			604.b. (1)	604.b. (2)	604.b. (3)		
Building:	854 Feet	N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Residential Building Unit (RBU):	854 Feet	N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
High Occupancy Building Unit(HOBU)	5280 Feet	SE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Designated Outside Activity Area:	5280 Feet	SW					
Public Road:	608 Feet	N					
Above Ground Utility:	596 Feet	N					
Railroad:	5280 Feet	NW					
Property Line:	31 Feet	E					

School Facility: 5280 Feet SE  
 Child Care Center: 5280 Feet SE  
 Disproportionately Impacted (DI) Community: 5280 Feet NE  
 RBU, HOBU, or School Facility within a DI Community: 5280 Feet NE    \_\_\_\_\_

**RULE 604.a.(2). EXCEPTION LOCATION REQUEST**

Operator requests an Exception Location Request from Rule 604.a.(2) [well is less than 150 feet from a property line]. Exception Location Request Letter and Waiver signed by offset Surface Owner(s) must be attached.

**CULTURAL FEATURE INFORMATION REQUIRED BY RULE 304.b.(3).B.**

Provide the number of each Cultural feature identified within the following distances, as measured from the Working Pad Surface:

	<b>0-500 feet</b>	<b>501-1,000 feet</b>	<b>1,001-2,000 feet</b>
Building Units	<u>0</u>	<u>1</u>	<u>1</u>
Residential Building Units	<u>0</u>	<u>1</u>	<u>1</u>
High Occupancy Building Units	<u>0</u>	<u>0</u>	<u>0</u>
School Properties	<u>0</u>	<u>0</u>	<u>0</u>
School Facilities	<u>0</u>	<u>0</u>	<u>0</u>
Designated Outside Activity Areas	<u>0</u>	<u>0</u>	<u>0</u>

**CONSTRUCTION**

Size of disturbed area during construction in acres: 6.10  
 Size of location after interim reclamation in acres: 2.06  
 Estimated post-construction ground elevation: 4826

**DRILLING PROGRAM**

Will a closed-loop drilling system be used? \_\_\_\_\_  
 Is H2S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? \_\_\_\_\_ If YES, attach H2S Drilling Operations Plan.  
 Will salt sections be encountered during drilling: \_\_\_\_\_  
 Will salt based (>15,000 ppm Cl) drilling fluids be used? \_\_\_\_\_  
 Will oil based drilling fluids be used? \_\_\_\_\_

**DRILLING WASTE MANAGEMENT PROGRAM**

Drilling Fluids Disposal: \_\_\_\_\_ Drilling Fluids Disposal Method: \_\_\_\_\_  
 Cutting Disposal: \_\_\_\_\_ Cuttings Disposal Method: \_\_\_\_\_

Other Disposal Description:  
 \_\_\_\_\_

Beneficial reuse or land application plan submitted? \_\_\_\_\_  
 Reuse Facility ID: \_\_\_\_\_ or Document Number: \_\_\_\_\_  
 Centralized E&P Waste Management Facility ID, if applicable: \_\_\_\_\_

**CURRENT LAND USE**

Current Land Use: check all that apply per Rule 304.b.(9).

Crop Land:  Irrigated     Non-Irrigated     Conservation Resource Program (CRP)  
Non-Crop Land:  Rangeland     Forestry     Recreation     Other  
Subdivided:  Industrial     Commercial     Residential

Describe the current land use:

Agriculture

Describe the Relevant Local Government's land use or zoning designation:

AG

Describe any applicable Federal land use designation:

N/A

### FINAL LAND USE

Final Land Use: check all that apply per Rule 304.b.(9).

Crop Land:  Irrigated     Non-Irrigated     Conservation Resource Program (CRP)  
Non-Crop Land:  Rangeland     Forestry     Recreation     Other  
Subdivided:  Industrial     Commercial     Residential

### REFERENCE AREA INFORMATION

If Final Land Use includes Non-Crop Land (as checked above), the following information is required:

Describe landowner's designated final land use(s):

Reference Area Latitude: \_\_\_\_\_ Reference Area Latitude: \_\_\_\_\_

Provide a list of plant communities and dominant vegetation found in the Reference Area.

< No row provided >

Noxious weeds present: \_\_\_\_\_

### SOILS

List all soil map units that occur within the maximum extent of the proposed Oil and Gas Location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" listing the typical vertical soil profile(s). This data is to be used when segregating topsoil.

The required information can be obtained from the NRCS website at <https://www.nrcs.usda.gov/wps/portal/nrcs/surveylist/soils/survey/state/> or from the COGCC website GIS Online map page. Instructions are provided within the COGCC website help section.

NRCS Map Unit Name: 33 - Kim loam, 3 - 5% slopes

NRCS Map Unit Name: 82 Wiley-Colby complex , 1 - 3% slopes

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

## GROUNDWATER AND WATER WELL INFORMATION

Provide the distance and direction, as measured from the Working Pad Surface, to the nearest:

water well: 1465 Feet W

Spring or Seep: 5280 Feet W

Estimated depth to shallowest groundwater that can be encountered at this Oil and Gas Location: 27 Feet

Basis for estimated depth to and description of shallowest groundwater occurrence:

Location Elev: 4826'  
Monitoring well 1050' SE (see construction layout drawing for Berry Farms 8-8HZ Well Pad), Elev 4803', SWL 4.5' (will assume 4' for SWL calculation), depth 8'  
SWL Calc:  $(4826 - 4803) + 4 = 27$

## SURFACE WATER AND WETLANDS

Provide the distance and direction to the nearest downgradient surface Waters of the State, as defined 417 Feet SW in the 100-Series Rules, measured from the Working Pad Surface:

If less than 2,640 feet, is the Waters of the State identified above within 15 stream miles upstream of a Public Water System intake? No

Provide the distance and direction to the nearest downgradient wetland, measured from the Working Pad Surface: 417 Feet SW

Provide a description of the nearest downgradient surface Waters of the State:

FRESHWATER EMERGENT WETLAND

If the proposed Oil and Gas Location is within a Rule 411.a Surface Water Supply Area buffer zone, select the buffer zone type: \_\_\_\_\_

Public Water System Administrator - Contact Name \_\_\_\_\_ Email \_\_\_\_\_

If the proposed Oil and Gas Location is within a Rule 411.b GUDI/Type III buffer zone, select the buffer zone type: \_\_\_\_\_

Public Water System Administrator - Contact Name \_\_\_\_\_ Email \_\_\_\_\_

Is a U.S. Army Corps of Engineers Section 404 permit required for the proposed Oil and Gas Location, access road, or associated pipeline corridor? No

If a U.S. Army Corps of Engineers Section 404 permit is required, provide the permit status, and permit number if available:

\_\_\_\_\_

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

Federal (FEMA)  State  County  Local

Other \_\_\_\_\_

Does this proposed Oil and Gas Location lie within a Sensitive Area for water resources, as defined in the 100-Series Rules? Yes

## CONSULTATION, WAIVERS, AND EXCEPTIONS

When Rule 309.e.(2) Consultation must occur, check all that apply:

This location is included in a Wildlife Mitigation Plan

This Oil and Gas Location or associated new access road, utility, or pipeline corridor falls within federally designated critical habitat or an area with a known occurrence for a federal or Colorado threatened or endangered species. Provide description in Comments section of Submit tab.

- This Oil and Gas Location or associated new access road, utility, or pipeline corridor falls within an existing conservation easement established wholly or partly for wildlife habitat. Provide description in Comments section of Submit tab.

When Rule 309.e.(3) Consultation is not required, check all that apply:

- This Oil and Gas Location has been included in a previously approved, applicable Wildlife Protection Plan.
- This Oil and Gas Location has been included in a previously approved, applicable Wildlife Mitigation Plan.
- This Oil and Gas Location has been included in a previously approved, applicable conservation plan.

Pre-application Consultation:

- A pre-application consultation with CPW, regarding this Oil and Gas Location, occurred \_\_\_\_\_ on:

**CPW Waivers and Exceptions (check all that apply and attach all CPW waivers to this Form 2A):**

- The applicant has obtained a Rule 304.b.(2).B.viii CPW waiver for the requirement to complete an ALA.
- The applicant has obtained a Rule 309.e.(2).G CPW waiver and consultation is not required.
- The applicant has obtained a Rule 309.e.(5).D.i CPW waiver and is requesting an exception from Rule 1202.c.(1).R.
- The applicant has obtained a Rule 309.e.(5).D.ii CPW waiver and is requesting an exception from Rule 1202.c.(1).S.
- The applicant has obtained a Rule 309.e.(5).D.iii CPW waiver of Rule 1202.c.(1).T.
- The applicant has obtained a Rule 309.e.(5).D.iv CPW waiver and is requesting an exception from Rule 1202.c.(1) in accordance with an approved CAP.
- The applicant has obtained a Rule 1202.a CPW waiver.
- The applicant has obtained a Rule 1202.b CPW waiver.
- In accordance with Rule 1203.a.(3), the applicant requests an exception from compensatory mitigation Rule(s): \_\_\_\_\_

**HIGH PRIORITY HABITAT AND COMPENSATORY MITIGATION**

This Oil and Gas Location, associated access roads, utility, or Pipeline corridor falls wholly or partially within the following High Priority Habitats (Note: dropdown options are abbreviated - see Rule 1202 for full rule text):

< No row provided >

The following questions are for Oil and Gas Locations that cause the density to exceed one Oil and Gas Location per square mile in Rule 1202.d High Priority Habitat:

Direct Impacts:

Is Compensatory Mitigation required per Rule 1203.a for this Oil and Gas Location? No

Is a Compensatory Mitigation Plan proposed to address direct impacts for this Oil and Gas Location? No

Have all Compensatory Mitigation Plans been approved for this Location? No

If not, what is the current status of each Plan?

N/A

Is a Compensatory Mitigation Fee proposed for this Oil and Gas Location? No

Direct impact habitat mitigation fee amount: \$ \_\_\_\_\_

Indirect Impacts:

Is Compensatory Mitigation required per Rule 1203.d for this Oil and Gas Location? No

Is a Compensatory Mitigation Plan proposed to address indirect impacts for this Oil and Gas Location? No

Have all Compensatory Mitigation Plans been approved for this Location? No

If not, what is the current status of each Plan?

N/A

Is a Compensatory Mitigation Fee proposed for this Oil and Gas Location? No

Indirect impact habitat mitigation fee amount: \$ \_\_\_\_\_

**Operator Proposed Wildlife BMPs**

No BMP

**AIR QUALITY MONITORING PROGRAM**

Will the Operator install and administer an air quality monitoring program at this Location? Yes

**Operator Proposed BMPs**

No BMP

**PLANS**

Total Plans Uploaded: 14

- (1) Emergency Spill Response Program consistent with the requirements of Rules 411.a.(4).B, 411.b.(5).B, & 602.j
- (2) Noise Mitigation Plan consistent with the requirements of Rule 423.a
- (3) Light Mitigation Plan consistent with the requirements of Rule 424.a
- (4) Odor Mitigation Plan consistent with the requirements of Rule 426.a
- (5) Dust Mitigation Plan consistent with the requirements of Rule 427.a
- (6) Transportation Plan
- (7) Operations Safety Management Program consistent with the requirements of Rule 602.d

- (8) Emergency Response Plan consistent with the requirements of Rule 602.j
- (9) Flood Shut-In Plan consistent with the requirements of Rule 421.b.(1)
- (10) Hydrogen Sulfide Drilling Operations Plan consistent with the requirements of Rule 612.d
- (11) Waste Management Plan consistent with the requirements of Rule 905.a.(4)
- (12) Gas Capture Plan consistent with the requirements of Rule 903.e
- (13) Fluid Leak Detection Plan
- (14) Topsoil Protection Plan consistent with the requirements of Rule 1002.c
- (15) Stormwater Management Plan consistent with the requirements of Rule 1002.f
- (16) Interim Reclamation Plan consistent with the requirements of Rule 1003
- (17) Wildlife Plan consistent with the requirements of Rule 1201
- (18) Water Plan
- (19) Cumulative Impacts Plan
- (20) Community Outreach Plan
- (21) Geologic Hazard Plan

## VARIANCE REQUESTS

Check all that apply:

- This proposed Oil and Gas Location requires the approval of a Rule 502.a variance from COGCC Rule or Commission  
Order number: \_\_\_\_\_

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

## RULE 304.d LESSER IMPACT AREA EXEMPTION REQUESTS

Check the boxes below for all Exemptions being requested. Lesser Impact Area Exemption Request must be attached, and will include all requested exemptions.

- |  |  |
|--|--|
| <input type="checkbox"/> 304.b.(1). Local Government Siting Information      | <input type="checkbox"/> 304.c.(1). Emergency Spill Response Program           |
| <input type="checkbox"/> 304.b.(2). Alternative Location Analysis            | <input type="checkbox"/> 304.c.(2). Noise Mitigation Plan                      |
| <input type="checkbox"/> 304.b.(3). Cultural Distances                       | <input type="checkbox"/> 304.c.(3). Light Mitigation Plan                      |
| <input type="checkbox"/> 304.b.(4). Location Pictures                        | <input type="checkbox"/> 304.c.(4). Odor Mitigation Plan                       |
| <input type="checkbox"/> 304.b.(5). Site Equipment List                      | <input type="checkbox"/> 304.c.(5). Dust Mitigation Plan                       |
| <input type="checkbox"/> 304.b.(6). Flowline Descriptions                    | <input type="checkbox"/> 304.c.(6). Transportation Plan                        |
| <input type="checkbox"/> 304.b.(7). Drawings                                 | <input type="checkbox"/> 304.c.(7). Operations Safety Management Program       |
| <input type="checkbox"/> 304.b.(8). Geographic Information System (GIS) Data | <input type="checkbox"/> 304.c.(8). Emergency Response Plan                    |
| <input type="checkbox"/> 304.b.(9). Land Use Description                     | <input type="checkbox"/> 304.c.(9). Flood Shut-In Plan                         |
| <input type="checkbox"/> 304.b.(10). NRCS Map Unit Description               | <input type="checkbox"/> 304.c.(10). Hydrogen Sulfide Drilling Operations Plan |
| <input type="checkbox"/> 304.b.(11). Best Management Practices               | <input type="checkbox"/> 304.c.(11). Waste Management Plan                     |
| <input type="checkbox"/> 304.b.(12). Surface Owner Information               | <input type="checkbox"/> 304.c.(12). Gas Capture Plan                          |
| <input type="checkbox"/> 304.b.(13). Proximate Local Government              | <input type="checkbox"/> 304.c.(13). Fluid Leak Detection Plan                 |
| <input type="checkbox"/> 304.b.(14). Wetlands                                | <input type="checkbox"/> 304.c.(14). Topsoil Protection Plan                   |
| <input type="checkbox"/> 304.b.(15). Schools and Child Care Centers          | <input type="checkbox"/> 304.c.(15). Stormwater Management Plan                |
|  | <input type="checkbox"/> 304.c.(16). Interim Reclamation Plan                  |
|  | <input type="checkbox"/> 304.c.(17). Wildlife Plan                             |
|  | <input type="checkbox"/> 304.c.(18). Water Plan                                |
|  | <input type="checkbox"/> 304.c.(19). Cumulative Impacts Plan                   |
|  | <input type="checkbox"/> 304.c.(20). Community Outreach Plan                   |
|  | <input checked="" type="checkbox"/> 304.c.(21). Geologic Hazard Plan           |

## OPERATOR COMMENTS AND SUBMITTAL

Comments

Send comments and questions to both submitter's email and djregulatory@oxy.com.

This location was named BERRY FARMS TANK BATTERY 31N-8HZ and now renamed to BERRY FARMS FACILITY 8-8HZ.

The existing facility at this location will be decommissioned and replaced with KMOG's latest bulk and test facility design. The new facility will continue process hydrocarbons from the wells at Location ID 436028, the new production from the proposed Berry Farms Well Pad (Doc # 402958547), but not the Berry 1 (05-123-10411) which will be P&A.

For the purposes of ALA, the alternatives for the Berry Farms Well Pad (Doc # 402958547) should be considered as alternatives for this proposed facility because the facility would be co-located with the alternative well pads.

Although not required by Rule, a Community Consultation Plan has been attached as "OTHER".

KMOG has obtained a Rule 1202.a(3) CPW waiver for "At new and existing Oil and Gas Locations, Operators will not situate new staging, refueling, or Chemical storage areas within 500 feet of the Ordinary High Water Mark (OHWM) of any river, perennial or intermittent stream, lake, pond, or wetland."

Weld County Pre-Application meeting summary attached as "Other".

Pre-application meeting summary attached as "Other".

Flowlines will flow to the production facility location. During production, flow direction in the flow lines is from the wellhead to the production facility. The size of flowlines is typically 2". Flow lines will be constructed from steel pipe, buried, and will equal the distance between the well heads and the production facility.

Gas custody transfer occurs at the custody transfer meter located on the proposed production facility location. Oil custody transfer occurs at the LACT Unit located on the proposed production facility location.

Gas lift lines are also occasionally installed (one per well) from the well head to the production facility. During operation flow direction in the gas lift lines will be from the production facility to the well head. The size of the gas lift lines is typically 2". Gas lift lines will be constructed from steel pipe, buried, and will equal the distance between the well heads and the facility.

Compressed air supply lines will also be installed from the well head to the production facility. During operation flow direction in the supply lines will be from the production facility to the well head. The size of the supply lines is typically 1". Supply lines will be constructed from steel pipe, buried, and will equal the distance between the well heads and the production facility.

Temporary 500 BBL skid-mounted frac tanks will be utilized during flowback and initially for produced water. Temporary ECDs and temporary tanks will be on location for 9 - 12 months and will be removed as water production declines.

A temporary generator may be placed on location if needed and would be in place until electric power is available.

Temporary purge flares may be placed on location for up to 60 days.

A temporary 500-gallon propane tank will be used on location to provide fuel gas during facility equipment startup.

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

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ Email: DJREGULATORY@OXY.COM

Print Name: TRACY COLLING Title: REGULATORY ADVISOR

Based on the information provided herein, this Oil and Gas Location Assessment complies with COGCC Rules, applicable orders, and SB 19-181 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	Access Road: KMOG will utilize an existing access road from CR 36 for production operations, including maintenance equipment. The road will be properly constructed and maintained to accommodate for emergency vehicle access.
2	Planning	The wells are commingled into a bulk and test facility design. This reduces the total number of separators on location on a per well basis which in turn allows KMOG to have a smaller facility footprint. Reducing the total number of separators per well also reduces the total noise and emissions from the separator burners.
3	General Housekeeping	Operator will utilize its tankless design for its facilities at the location; the term tankless has been used for the design to designate that we have no oil storage on site.
4	Wildlife	An environmental assessment will be conducted immediately prior to construction.
5	Material Handling and Spill Prevention	Operator will not use PFAS on location.
6	Construction	Fencing Requirements: The completed location will be surrounded with a fence and gate with adequate lock to restrict access to authorized personnel only. KMOG personnel will monitor the location upon completion of the wells. Authorized representatives and/or KMOG personnel shall be on-site during construction.
7	Construction	Construction: Operator will only conduct during day light and there will be no nighttime operations that require lighting.
8	Emissions mitigation	Temporary ECD(s) will be utilized to mitigate releases of emissions from temporary produced water storage tanks for the duration which the tanks are on location and being used.
9	Emissions mitigation	Operator uses pipelines to transport hydrocarbons (oil & gas) from the production facility eliminating odors that could occur during truck loading.
10	Emissions mitigation	Operator will implement ambient air quality monitoring on site.
11	Emissions mitigation	Operator will use non-emitting pneumatic controllers.
12	Emissions mitigation	Ozone Action Days ±KMOG will comply with the follow mitigation measures, as feasible, on forecasted Ozone Action Days: a. Operator will minimize vehicle and engine idling b. Operator will reduce truck traffic and worker traffic c. Operator will postpone the refueling of vehicles d. Operator will postpone construction activities e. Operator will reschedule non-essential operational activities such as pigging, well unloading and tank cleaning f. Operator will postpone flowback if emissions cannot be adequately captured with an ECD
13	Final Reclamation	The location will be cleared of all non-essential equipment within ninety (90) days after all wells associated with the pad have been plugged and abandoned.

Total: 13 comment(s)

### Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403015044	LOCATION PICTURES
403015045	LOCATION DRAWING
403015047	LAYOUT DRAWING
403015048	HYDROLOGY MAP
403015049	ACCESS ROAD MAP
403015051	GEOLOGIC HAZARD MAP
403015052	LOCATION AND WORKING PAD GIS SHP
403015053	NRCS MAP UNIT DESC
403015054	CULTURAL FEATURES MAP
403015055	ALA DATASHEET
403015056	SURFACE AGRMT/SURETY
403015057	LESSER IMPACT AREA EXEMPTION REQUEST
403016399	CPW WAIVER
403016412	OTHER
403017076	WILDLIFE HABITAT DRAWING
403017088	OTHER
403017099	PRELIMINARY PROCESS FLOW DIAGRAMS
403017110	RELATED LOCATION AND FLOWLINE MAP
403018911	ALA NARRATIVE SUMMARY

Total Attach: 19 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

**Public Comments**

No public comments were received on this application during the comment period.

