

FORM
2A

Rev
05/22

State of Colorado
Energy & Carbon Management Commission

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



Document Number:

403211377

(SUBMITTED)

Date Received:

03/08/2023

Oil and Gas Location Assessment

This Oil and Gas Location Assessment is to be submitted to the ECMC 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 ECMC website at <https://ecmc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

OGDP ID:

Expiration Date:

☒ New Location ☐ Refile ☐ Amend Existing Location # _____

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
240300075		

If this Location assessment is part of an approved 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: 10805

Name: FULCRUM ENERGY OPERATING LLC

Address: 240 SAINT PAUL STREET SUITE 502

City: DENVER State: CO Zip: 80206

Contact Information

Name: Doug Sandridge

Phone: (303) 330 4847

Fax: ()

email: doug@fulcrumef.com

FINANCIAL ASSURANCE FOR THIS LOCATION (check all that apply)

- ☒ Plugging, Abandonment, and Reclamation 20220114
- ☐ Centralized E&P Waste Management Facility _____
- ☐ Gas Gathering, Gas Processing, and Underground Gas Storage Facilities _____
- ☐ Surface Owner Protection Bond. _____

Federal Financial Assurance

- ☐ In checking this box, the Operator certifies that it has provided or will provide at least this amount of Financial Assurance to the federal government for one or more Wells on this Location.

Amount of Federal Financial Assurance \$ _____

LOCATION IDENTIFICATION

Name: Janet 0780

Number: S5

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.

Quarter: NENE Section: 5 Township: 7N Range: 80W Meridian: 6 Ground Elevation: 8097
Latitude: 40.614190 Longitude: -106.390310
GPS Quality Value: 1.3 Type of GPS Quality Value: PDOP Date of Measurement: 07/11/2022

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 #

Well Site is served by Production Facilities 436642 403211514

RELEVANT LOCAL GOVERNMENT SITING INFORMATION

County: JACKSON 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. No

Does the Relevant Local Government regulate the siting of Oil and Gas Locations, with respect to this location? No

A siting permit application has been submitted to the Relevant Local Government for this proposed Oil and Gas Location: No

Date Relevant Local Government permit application submitted: _____

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

Status/disposition date: _____

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: Samantha Martin

Contact Phone: 970 723-4660

Contact Email: smartin@jacksoncountycogov

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: Yes

Date submitted: 02/07/2024

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

Status/disposition Date: 02/07/2024

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: Reneta Kawcak

Contact Phone: 970-826-5000

Contact Email: rkawcak@blm.gov

Field Office: White River Field Office

Additional explanation of local and/or federal process:

Jackson County does not regulate oil & gas. BLM APD have been submitted for six (6) PRU-Janet 0880 wells on this location.

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)? No

Date of local government consultation: _____

Did a pre-application Formal Consultation Process occur with the Federal land manager per Rule 301.f.(3)? Yes

Date of federal consultation: 10/20/2022

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? No

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 type="checkbox"/> i. WPS < 2,000 feet from RBU/HOB | <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 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/HOB/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).

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:

< No row provided >

SURFACE & MINERAL OWNERSHIP

Surface Owner Info:Name: Kohlman's O.K. L.P.

Phone: _____

Address: 21536 State Highway 14

Fax: _____

Address: _____

Email: doug@fulcrumef.comCity: Walden State: CO Zip: 80480Surface 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 ☐ IndianMinerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: Yes

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	<u>10</u>	Oil Tanks	<u>0</u>	Condensate Tanks	<u>0</u>	Water Tanks	<u>0</u>	Buried Produced Water Vaults	<u>0</u>
Drilling Pits	<u>0</u>	Production Pits	<u>0</u>	Special Purpose Pits	<u>0</u>	Multi-Well Pits	<u>0</u>	Modular Large Volume Tank	<u>0</u>
Pump Jacks	<u>0</u>	Separators	<u>10</u>	Injection Pumps	<u>0</u>	Heater-Treaters	<u>0</u>	Gas Compressors	<u>5</u>
Gas or Diesel Motors	<u>0</u>	Electric Motors	<u>0</u>	Electric Generators	<u>2</u>	Fuel Tanks	<u>0</u>	LACT Unit	<u>1</u>
Dehydrator Units	<u>0</u>	Vapor Recovery Unit	<u>0</u>	VOC Combustor	<u>0</u>	Flare	<u>0</u>	Enclosed Combustion Devices	<u>0</u>
Meter/Sales Building	<u>0</u>	Pigging Station	<u>6</u>	Vapor Recovery Towers	<u>0</u>				

OTHER PERMANENT EQUIPMENT

Permanent Equipment Type	Number
Jet pumps	10
Spill Response Trailer	1
Scrubbers	2
Oil Pump	2
Water Pressure Vessel	2
Water Pump	2
Oil Pressure Vessel	2

OTHER TEMPORARY EQUIPMENT

Temporary Equipment Type	Number
Drillout choke manifold	1
High pressure separator	6
Drillout low pressure separator	1
Drillout plug catcher	1
Flowback tanks	15
Drillout sand trap	1
combustor	2
Drillout transfer pump	1
sand separator/filter	10

GAS GATHERING COMMITMENT

Operator commits to connecting to a gathering system by the Commencement of Production Operations? No

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.

Two Natural Gas Pipelines - 4" Shawcor Poly Pipe buried a minimum of 5'
Two Crude Oil Pipelines - 4" Shawcor Poly Pipe buried a minimum of 5'
Two Produced Water Pipelines - 4" Shawcor Poly Pipe buried a minimum of 5'

The water and natural gas pipelines may ultimately be connected to existing water and natural gas pipelines which transport water to the Big Horn 0780 S17 CTB.

CULTURAL DISTANCE AND DIRECTION

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

				Rule 604.b Conditions Satisfied (check all that apply):					
	Distance		Direction	604.b. (1)	604.b. (2)	604.b. (3)	Details of Condition(s)	604.b. (4)	
Building:	5280 Feet		S						
Residential Building Unit (RBU):	5280 Feet		S	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A		<input type="checkbox"/>
High Occupancy Building Unit(HOBU)	5280 Feet		NE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A		<input type="checkbox"/>
Designated Outside Activity Area:	5280 Feet		E						
Public Road:	3207 Feet		NW						
Above Ground Utility:	3030 Feet		W						
Railroad:	5280 Feet		W						
Property Line:	1447 Feet		N						
School Facility:	5280 Feet		NE						
Child Care Center:	5280 Feet		NE						
Disproportionately Impacted (DI) Community:	5280 Feet		NE						
RBU, HOBU, or School Facility within a DI Community.	5280 Feet		NE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A		<input type="checkbox"/>

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:

	0-500 feet	501-1,000 feet	1,001-2,000 feet
Building Units	<u>0</u>	<u>0</u>	<u>0</u>
Residential Building Units	<u>0</u>	<u>0</u>	<u>0</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: 6.61

Size of location after interim reclamation in acres: 4.39

Estimated post-construction ground elevation: 8097

DRILLING PROGRAM

Will a closed-loop drilling system be used? Yes

Is H2S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No If YES, attach H2S Drilling Operations Plan.

Will salt sections be encountered during drilling: No

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

Will oil based drilling fluids be used? Yes

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: _____

CURRENT LAND USE

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

Crop Land: ☒ Irrigated ☐ Non-Irrigated ☐ Conservation Reserve Program (CRP)

Non-Crop Land: ☐ Rangeland ☐ Forestry ☐ Recreation ☐ Other

Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

Describe the current land use:

farming

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

agricultural

Describe any applicable Federal land use designation:

FINAL LAND USE

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

Crop Land: ☒ Irrigated ☐ Non-Irrigated ☐ Conservation Reserve 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: ☐ Yes

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 ECMC website GIS Online map page. Instructions are provided within the ECMC website help section.

NRCS Map Unit Name: Wa - Walden sandy loam

NRCS Map Unit Name: _____

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: 606 Feet W

Spring or Seep: 2640 Feet NW

Estimated depth to shallowest groundwater that can be encountered at this Oil and Gas Location: 28 Feet

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

Depth to groundwater taken from Ray Ranch Form 2A Doc #400518030.
 Location is not sensitive due to adequate distance from surface water and depth to groundwater.

SURFACE WATER AND WETLANDS

Provide the distance and direction to the nearest downgradient surface Waters of the State, as defined 1601 Feet E

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: 1601 Feet E

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

ditch and associated R4SBC 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? No

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: 08/31/2021

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):

High Priority Habitat (list all that apply)	Oil and Gas Location	Access Road	Utility or Pipeline Corridor
1202.d.(5) - Greater sage-grouse priority	x	x	x
1202.c.(1).C - Greater sage-grouse	x	x	x

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? Yes

Is a Compensatory Mitigation Plan proposed to address direct impacts for this Oil and Gas Location? Yes

Have all Compensatory Mitigation Plans been approved for this Location? Yes

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

Field-wide North Park Mitigation Plan approved with site-specific supplement letter from CPW attached. Fee amount is a placeholder for required amounts to be contributed to the CPW compensatory mitigation account no less than 30 days prior to submitting a Form 42, Field Operations Notice – Notice of Construction or Major Change.

Is a Compensatory Mitigation Fee proposed for this Oil and Gas Location? Yes

Direct impact habitat mitigation fee amount: \$ 13750

Indirect Impacts:

Is Compensatory Mitigation required per Rule 1203.d for this Oil and Gas Location? Yes

Is a Compensatory Mitigation Plan proposed to address indirect impacts for this Oil and Gas Location? Yes

Have all Compensatory Mitigation Plans been approved for this Location? Yes

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

Field-wide North Park Mitigation Plan approved with site-specific supplement letter from CPW attached. Fee amount is a placeholder for required amounts to be contributed to the CPW compensatory mitigation account no less than 30 days prior to submitting a Form 42, Field Operations Notice – Notice of Construction or Major Change.

Is a Compensatory Mitigation Fee proposed for this Oil and Gas Location? Yes

Indirect impact habitat mitigation fee amount: \$ 1983

Operator Proposed Wildlife BMPs

No	Target Species	BMP Type	Description
1	GREATER SAGE-GROUSE	Wildlife - Avoidance	Within Greater Sage-grouse PHMA and GHMA habitats, oil and gas operations (construction, drilling, and completions) will be conducted outside the period between March 1st and June 30th.
2	GREATER SAGE-GROUSE	Wildlife - Avoidance	EXCLUDING EMERGENCY SITUATIONS, within Greater-Sage-grouse production habitats, all operations and maintenance activities will be limited to between 9:00 am and 4:00 pm during the lekking, nesting, and early brood-rearing seasons (March 1st through May 15th).
3	GREATER SAGE-GROUSE	Wildlife - Minimization	Avoid noise levels above 75 dBA at the edge of pads and/or facilities closest to the nearest active lek. This BMP is only applicable when there is an active lek within 2 miles of the facilities (well pad, multi well pad, CTB, etc.).
4	RAPTORS	Wildlife - Avoidance	Prior to commencement of oil and gas operations, the operator agrees to survey suitable nesting habitat (cliffs, large trees, snags, old growth forest, ect) within 0.5 mile of the proposed activity for active nests. See CPW's Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors (2020) at: https://cpw.state.co.us/Documents/WildlifeSpecies/LivingWithWildlife/Raptor-Buffer-Guidelines.pdf
5	GREATER SAGE-GROUSE	Wildlife - Avoidance	Within identified Greater Sage-grouse wintering areas in Jackson Co., CO (listed below, and on Map 9), oil and gas operations (construction, drilling, and completions) will be conducted outside the period between December 1st and March 15th: a. Township 8 North, Range 80W i. All of Sections 1,2,10,11,12,13,14,16,22,23, and 24; and b. Township 8 North, Range 79 West i. All of Sections 6,7,18, and 19
6	RAPTORS	Wildlife - Avoidance	To the maximum extent practicable, implement avian perch deterrents or design permanent facilities in a manner that does not provide nesting substrates for raptors, crows, or ravens.
7	AQUATIC SPECIES/AMPHIBIANS	Wildlife - Avoidance	Inspect and disinfect all equipment that will contact a stream, spring or water body for cleanliness before commencing work to prevent the spread of disease, aquatic parasites, and invasive species. If heavy equipment arrives from offsite, ensure that the owner/operation provides Fulcrum with documentation that the equipment was cleaned in accordance with one of the following CPW standards.
8	AQUATIC SPECIES/AMPHIBIANS	Wildlife - Avoidance	Avoid locating staging, refueling, and storage areas within 500 feet of any reservoir, lake, wetland, or natural perennial or seasonally flowing stream or river.
9	AQUATIC SPECIES/AMPHIBIANS	Wildlife - Avoidance	Avoid new surface disturbances within 500 feet of any perennial waterway (naturally occurring) within the NPWMP boundary.

AIR QUALITY MONITORING PROGRAM

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

Operator Proposed BMPs

No	BMP Target	CDPHE Recommendation	ECMC Action
	Air		
	Description	Venting/Flaring: Operator will control emergency flaring with an enclosed combustor with a destruction efficiency of 98% or better	
	CDPHE Comment		
	Water		
	Description	Stream crossing and Road Construction: Operator will ensure that control measures are designed, installed and adequately sized in accordance with good engineering, hydrologic and pollution control practices	

CDPHE Comment		
Water		
Description	CPGCC permit will incorporate other agency water quality protection plans by reference as applicable (e.g. stormwater management plan)	
CDPHE Comment		
Water		
Description	Outfall locations: Outlet protection should be used when a conveyance discharges onto a disturbed area where there is potential for accelerated erosion due to concentrated flow. Outlet protection should be provided where the velocity at the culvert outlet exceeds the maximum permissible velocity of the material in the receiving channel.	
CDPHE Comment		
Waste		
Description	Operator will properly test for and dispose of TENORM	
CDPHE Comment		
Water		
Description	Dust suppression: Operator will not use produced water or other process fluids for dust suppression	
CDPHE Comment		
Water		
Description	Documentation / stormwater management plan: If it is infeasible to install or repair a control measure immediately after discovering a deficiency, operator will document and keep on record in the stormwater management plan: (a) a description of why it is infeasible to initiate the installation or repair immediately; and (b) a schedule for installing or repairing the control measure and returning it to an effective operating condition as soon as possible.	
CDPHE Comment		
Water		
Description	Secondary containment: Operator will install perimeter controls to control potential sediment-laden runoff in the event of spill or release from Modular Large Volume Storage Tank	
CDPHE Comment		
PFAS		
Description	Operator will not use fracturing fluids which contain PFAS compounds	
CDPHE Comment		
Water		
Description	Stormwater inspections: Operator will conduct weekly stormwater inspections during normal operations	
CDPHE Comment		
Air		
Description	Operator will use vapor recovery units (VRUs) to capture and route storage vessel gas to pipeline	
CDPHE Comment		
Air		
Description	Operator will implement ambient air quality monitoring on site	
CDPHE Comment		
Air		
Description	Electrification: Operator will use electric equipment and devices (e.g. vapor recovery units or VRUs, fans, etc.) to minimize combustion sources on site (if yes, operator will provide a list outlining which equipment and devices will be electrified)	

	CDPHE Comment	
	Water	
	Description	Stormwater inspections: Operator will conduct stormwater inspections immediately after storm event
	CDPHE Comment	
	Water	
	Description	Down gradient controls: Operator will install adequate down gradient controls if they can not have a control at the source
	CDPHE Comment	
	Air	
	Description	Venting/Flaring: Operator will not flare or vent gas during completion or flowback, except in upset or emergency conditions, or with prior written approval from the Director for necessary maintenance operations
	CDPHE Comment	
	Waste	
	Description	Operator will properly characterize and dispose of all waste (i.e. the specific landfill/waste disposal location allows for acceptance of the waste stream)
	CDPHE Comment	
	Air	
	Description	Odor mitigation: operator will cover trucks transporting drill cuttings
	CDPHE Comment	
	Air	
	Description	Operator will properly maintain vehicles and equipment
	CDPHE Comment	
	Air	
	Description	Odor mitigation: Operator will ensure that all drilling fluid is removed from pipes before storage
	CDPHE Comment	
	Air	
	Description	Pipelines: Operator will incorporate options for recycling produced gas onsite during pipeline downtime, such as: using the gas for gas lift systems, routing it to the facility fuel system, or installing a natural gas liquid (NGL) skid to process the gas onsite
	CDPHE Comment	
	Air	
	Description	Operator will use non-emitting pneumatic controllers
	CDPHE Comment	

PLANS

Total Plans 15
 Uploaded:

- ☐ (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 ECMC 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 type="checkbox"/> 304.c.(21). Geologic Hazard Plan |

OPERATOR COMMENTS AND SUBMITTAL

Comments	<p>Surface owner and Operator wish to not publicly publish surface owner e-mail. Surface owner has authorized Operator to receive this notice as agent.</p> <p>604.b.(3): No wells or equipment will be within 2,000' of any building unit. WPS is more than 2,000' from any building unit.</p> <p>The following 304.c Plans are not required for this submittal:</p> <ul style="list-style-type: none">• Emergency Spill Response Program; not near Type III or GUDI well• Odor Plan; not required per review comments• Flood Shut-In Plan; not in floodplain• Hydrogen Sulfide Drilling Plan; no H2S in area• Community Outreach Plan; no DIC within 2,000'• Geologic Hazard Plan - No significant Hazards within one mile <p>Fulcrum is the operator of assets formerly belonging to D90 via approved Form 9 Doc #403192640 approved 5/10/2023.</p>
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I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: _____ Date: 03/08/2023 Email: regulatory@ascentgeomatics.com

Print Name: Justin Garrett

Title: Sr. Regulatory Analyst

Based on the information provided herein, this Oil and Gas Location Assessment complies with ECMC Rules, applicable orders, and SB 19-181 and is hereby approved.

ECMC Approved: _____

Director of ECMC

Date: _____

CONDITIONS OF APPROVAL, IF ANY LIST

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

0 COA

Best Management Practices

No BMP/COA Type

Description

ATTACHMENT LIST

Att Doc Num

Name

403673316	CPW WAIVER
403673322	CPW CONSULTATION
403673335	CORRESPONDENCE
403673336	PRELIMINARY PROCESS FLOW DIAGRAMS
403673337	RELATED LOCATION AND FLOWLINE MAP
403673338	SURFACE AGRMT/SURETY
403673339	DIRECTIONAL WELL PLAT
403673340	CONST. LAYOUT DRAWINGS
403673342	LOCATION PICTURES
403673343	ACCESS ROAD MAP
403673344	LOCATION DRAWING
403673345	CULTURAL FEATURES MAP
403673346	HYDROLOGY MAP
403673347	WILDLIFE HABITAT DRAWING
403673349	GEOLOGIC HAZARD MAP
403673350	LOCATION AND WORKING PAD GIS SHP
403673354	NRCS MAP UNIT DESC
403731846	CORRESPONDENCE
403731883	EQUIPMENT LIST

Total Attach: 19 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Form 2A returned to Draft status to allow operator to address concerns with their Gas Capture Plan.	04/19/2024

Total: 1 comment(s)



Public Comments

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

