

State of Colorado Energy & Carbon Management Commission

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CUMULATIVE IMPACTS DATA IDENTIFICATION

Per Rule 303, this form and all required components and attachments will be submitted for any Oil and Gas Development Plan.

Form Type: OGDP Partial 2B - Rule 803.b.(2).A UIC Conversion

OPERATOR INFORMATION

ECMC Operator Number: <u>10459</u>	Contact Name and Telephone:
Name of Operator: <u>EXTRACTION OIL & GAS INC</u>	Name: <u>Jeff Annable</u>
Address: <u>555 17TH STREET SUITE 3700</u>	Phone: <u>(303) 312-8529</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>jannable@civiresources.com</u>

OIL & GAS DEVELOPMENT PLAN INFORMATION

Oil & Gas Development Plan Name: Draco OGDP

Oil & Gas Development Plan Docket #: 240100004 Oil & Gas Development Plan ID #: Data not required

This OGDP is included in a Comprehensive Area Plan. CAP ID #: _____

OIL & GAS LOCATION DATA

1 Oil & Gas Location Name: Draco Number: Pad Status: Proposed

OIL & GAS LOCATION INFORMATION

Form 2A Doc#: 403550304

Loc ID#: _____

Oil & Gas Location: QTRQTR: NESE Sec: 21 Twp: 1N Rng: 68W Meridian: 6

Total number of wells planned: 26

Operations Duration

Estimated total number of weeks to construct this Oil & Gas Location: 9

Estimated total number of weeks to drill all planned wells for this Oil & Gas Location: 18

Number of planned drilling occupations to drill all planned wells for this Oil & Gas Location: 1

Estimated total number of weeks to complete all planned wells for this Oil & Gas Location: 23

Number of planned completions occupations to complete all planned wells for this Oil & Gas Location: 1

Will there be simultaneous drilling and completions operations occurring at this Oil & Gas Location? No

Estimated total number of months the Oil & Gas Location will be active, prior to abandonment and reclamation: 360

Noise Impacts

Provide a qualitative evaluation of the incremental adverse noise impacts to the surrounding receptors during the pre-production activities at this Oil & Gas Location.

The sound originating from the development will result in minimal increases in ambient noise during the development phase of this project as a result of the sound mitigation measures proposed. Sound modeling further discussed in the Sound Mitigation plan attached to the Form 2A shows that there will be minimal increase in ambient noise to the potential receptors within 2000' of the location during the pre-production phase of the proposed project.

Provide a qualitative evaluation of the incremental adverse noise impacts to the surrounding receptors during the production stage of this Oil & Gas Location.

The sound originating from the proposed development should not result in a noticeable change by potential receptors during the production stages as most of the permanent production equipment is currently exists on location. Sound modeling further discussed in the Sound Mitigation plan attached to the Form 2A shows that there will be minimal to no increase in ambient noise to the potential receptors during the production phase of the proposed development.

Light Impacts

Provide a qualitative evaluation of the incremental adverse light impacts to the surrounding receptors during the pre-production activities at this Oil & Gas Location.

The light originating from the location during the development phase should result in a minimal increase in ambient lighting. The proposed best management practices, such as the sound wall and downcast lighting work to minimize these potential light impacts. Light modeling further discussed in the Light Mitigation plan attached to the Form 2A shows this minimal increase in ambient lighting to potential receptors

Provide a qualitative evaluation of the incremental adverse light impacts to the surrounding receptors during the production stage of this Oil & Gas Location.

The light originating from the location during the production phase should result in a minimal to no increase in ambient lighting. The proposed permanent production facility lighting exists on the location currently and the minimal nighttime truck traffic for production operations helps to eliminate potential light impacts during production operations. Light modeling further discussed in the Light Mitigation plan attached to the Form 2A shows this minimal to no increase in ambient lighting to potential receptors.

Odor Impacts

Provide a qualitative evaluation of the incremental adverse odor impacts to the surrounding receptors during the pre-production activities at this Oil & Gas Location.

A temporary and intermittent increase(s) in odor may be expected due to equipment exhaust and fluid management during drilling and completions operations. Operator plans to utilize best management practices outlined in the odor mitigation plan to minimize the odor impacts experienced by nearby receptors.

Provide a qualitative evaluation of the incremental adverse odor impacts to the surrounding receptors during the production stage of this Oil & Gas Location.

There should rarely be any odor originating from the location during the production phase since the location will be upgraded to utilize instrument air pneumatics and a maintenance vessel. Instrument air pneumatics and the maintenance vessel upgrade will result in a net decrease in potential odor causing emissions originating from the permanent location.

WATER RESOURCES

This Oil & Gas Location is listed as a sensitive area for water resources.

This Oil & Gas Location is within 2,640 feet of a surface Water of the State.

Estimated depth to groundwater: 11

Estimated total planned on-location storage capacity of the Oil & Gas Location for:

	Number of Tanks	Total Volume (bbls)
Oil	<u> 0 </u>	<u> 0 </u>
Condensate	<u> 0 </u>	<u> 0 </u>
Produced Water	<u> 0 </u>	<u> 0 </u>
Other volumes of stored fluids, hydrocarbons, chemicals, or E&P Waste Fluids	<u> 4 </u>	<u> 16 </u>

List, with volumes, the "Other" fluids planned to be stored on the Oil & Gas Location, including, but not limited to: hydrocarbons, chemicals, or E&P Waste fluids.

Methanol - 4 bbls
CI-7511(Corrosion inhibitor) - 4 bbls
EB-6410(Emulsion Breaker) - 4 bbls
PS-1052(Paraffin solvent) - 4 bbls

Potential Impacted Surface Water Resources

Provide the distance and direction of the contaminant migration pathway from the Oil & Gas Location to the nearest downstream riparian corridors, wetlands, and surface Waters of the State. Also provide an evaluation of the baseline condition of the nearest downstream riparian corridors, wetlands, and surface Waters of the State.

Enter 2,640 for distances greater than 1/2-mile. Distances are measured along the migration pathway, not a straight line from the edge of the Oil & Gas Location.

	Distance	Direction	Evaluation of Baseline Condition
Riparian Corridor	2640	N	N/A
Wetland	1116	SE	The nearest downgradient wetland is an emergent wetland located adjacent to a unnamed tributary to Little Dry Creek
Surface Waters of the State	1116	SE	The nearest downgradient surface waters of the state is an emergent wetland on the other side of County Road 7. There is a small portion of feature #7 (Unnamed Tributary to Little Dry Creek) that is culverted underground and is therefore not a surface water and was not included in the measurement.

Potential Impacts to Public Water Resources

Provide the distance, direction, and evaluation of potential impacts to the nearest Public Water System Intake. Enter 5,280 for distances greater than 1-mile.

	Distance	Direction	Evaluation of Baseline Condition
Public Water System Intake	5280	N	N/A

Estimated Water Usage

Provide the estimated total volumes of the following that are anticipated to be used during the drilling and completions stage of the Oil & Gas Location activity.

Water Source	Volume (bbls)	Volume (bbls)	Volume (bbls)	Percentage	%	
Surface Water	1272400	Recycled Water (Produced Water)	161000	Unspecified Source	0	1
Ground Water	0	Recycled Water (non-Produced Water)	0	Total Water Usage	12885000	1
				Recycled Water		

If an unspecified water source is planned to be used, provide a description of the source.

N/A

Evaluate the measures being taken to reduce freshwater use, including reusing and recycling produced water.

Extraction is committed to minimizing environmental impact by optimizing wellbore spacing. By maximizing resource development with fewer wells, the company has significantly reduced its water usage. Additionally, Extraction will utilize approximately 161,000 barrels of recycled water during completion operations to offset freshwater consumption.

ECOSYSTEM & WILDLIFE RESOURCES

List High Priority Habitats (HPH) that occur within one mile of the Oil & Gas Location and list the distance from working pad surface. If the location is partially or entirely within a HPH list the distance as '0' and provide the estimated acreage disturbance of that HPH by the location construction.

High Priority Habitat (HPH) Name:	Distance	Estimated Acreage Disturbed
Aquatic Native Species Conservation Waters	2496	0

List total size of disturbed acreage and disturbed High Priority Habitat (HPH) area (in acres) during the Oil & Gas Location construction and after interim reclamation.

	Total Acreage (acres)	Total HPH Acreage (acres)	Provide any further information regarding the location's HPH disturbance.
Construction	19.45	0	N/A
Post-interim Reclamation	5.24	0	

Provide the acreage of the existing land use types that occur within one mile of the Oil & Gas Location. Note: a circle with a one mile radius is approximately 2010 acres.

	Existing Acreage	Existing Acreage	Existing Acreage	Existing Acreage
Crop Land: Irrigated	1788	Non-Irrigated	0	Conservation Reserve Program(CRP)
Non-Crop Land: Rangeland	171.25	Forestry	100.41	Recreation
Subdivided: Industrial	144.11	Commercial	528.31	Residential
				Other

If any land use is industrial, provide a description of the use or operation of the industrial facilities.

Refining/Petroleum and Contracting/Service

If any land use is "Other", provide a description of the land use.

If any portion of the land use for the proposed oil and gas location includes Rangeland, Forestry, or Recreation, provide a list of the plant community or communities and estimated acreage disturbed for each:

	Estimated Disturbed Acreage		Estimated Disturbed Acreage		Estimated Disturbed Acreage		Estimated Disturbed Acreage
Disturbed Grassland	0	Shrub Land	0	Mountain Riparian	0	Wetland Aquatic	0
Native Grassland	0	Plains Riparian	0	Forest Land	0	Alpine	0

Provide a qualitative evaluation of incremental adverse impacts to ecosystems, including any plant communities, as a result of Oil and Gas Operations associated with the proposed Oil & Gas Location.

N/A

Soil Resources

List all soil map units that occur within the Oil & Gas Location and list the estimated total area (in acres) disturbance of each soil map unit.

NRCS Map Unit Name:	Estimated Disturbed Acreage
42 - Nunn Clay Loam, 1 to 3 % slopes	10.16
83 - Wiley-Colby complex, 3 to 5% slopes	9.29

PUBLIC WELFARE

This Oil & Gas Location lies within a Disproportionately Impacted Community as defined in the 100-series rules.

Building Units within 1-mile

0'-2,000' 2,001'-5,280'

Total number of Residential Building Units:	5	124
Total Number of non-school AND non child care center High Occupancy Building Units:	0	0
Total number of School Facilities:	0	0
Total number of Child Care Centers:	0	0

Recreation and Scenic Value

List all State Parks, State Trust Lands, or State Wildlife Area within 1-mile of the Oil & Gas Location.

N/A

List all Designated Outdoor Activity Areas within 1-mile of the Oil & Gas Location.

N/A

List all mapped trails that support any of the following recreational activities within 1-mile of the Oil & Gas Location: Hiking, Biking, Horseback Riding, Motorcycle Riding, ATV Riding, OHV, Nordic Skiing, Snowmobiling, or Snowshoeing.

Town of Erie Open Space: Black line trail, Blue Line Trail, Red Line Trail, Green Line Trail

AIR RESOURCES

Pre-Production Emissions

Complete the following chart based on the estimated total equipment emissions (in tons) for the Oil & Gas Location during the pre-production (construction, drilling, completions) stage for Criteria Pollutants by equipment type.

	NOx	CO	VOCs	Methane	Ethane	CO2	N2O
Process Heaters or Boilers	1.11	0.28	0.01	0	0	0	0.01
Storage Tanks	0	0	0	0	0	0	0
Venting or Blowdowns	0	0	0.62	1.02	0.38	0.04	0
Combustion Control Devices	0.02	0.09	0.2	0.33	0.12	37.56	0

Non-Road Internal Combustion Engines	185.28	167.34	34.42	37.46	3.05	32642.95	0.24
Drill Mud	0	0	8.59	14.18	5.35	0.54	0
Flowback or Completions	0	0	0	0	0	9.11	0
Loadout	0	0	0	0	0	0	0

Production Emissions

Complete the following chart based on the estimated full facility equipment emissions (in tons) for the Oil & Gas Location once the Oil & Gas Location has entered the production stage, for Criteria Pollutants. The table should be filled out based on ONE year of operation.

	NOx	CO	VOCs	Methane	Ethane	CO2	N2O
Stationary Engines or Turbines	0	0	0	0	0	0	0
Process Heaters or Boilers	8.37	7.03	0.46	0.19	0.27	10048.24	0.18
Storage Tanks	0	0	0	0	0	0	0
Dehydration Units	0	0	0	0	0	0	0
Pneumatic Pumps	0	0	0	0	0	0	0
Pneumatic Controllers	0	0	0	0	0	0	0
Separators	0	0	0	0	0	0	0
Fugitives			0.53	0.87	0.33	0.03	
Venting or Blowdowns	0	0	0.22	0.37	0.14	0.01	0
Combustion Control Devices	0	0	0	0	0	0	0
Loadout	0	0	0	0	0	0	0
Non-Road Internal Combustion Engines	0	0	0	0	0	0	0
Well Bradenhead	0	0	0.12	19.44	7.34	0.74	0
Well Maintenance	0	0.02	0	0	0	1.76	0

Diesel Vehicle Road Miles

Complete the following chart for diesel vehicle road miles during each stage of oil and gas location operations.

During Construction: 3300 During Completions: 117480
 During Drilling: 36245 During Interim Reclamation: 1100
 During Production: 4600

PUBLIC HEALTH RESOURCES

Pre-Production Emissions

Complete the following chart based on the estimated total equipment emissions (in lbs) for the Oil & Gas Location during the pre-production (construction, drilling, completions) stage for Hazardous Air Pollutants (HAP).

	BEN	TOL	ETH	XYL	NHE	TMP	H2S	FDE	MET	HAP
Process Heaters or Boilers	0.02	0.69	0.01	0.01	0	0	0	6.8	0	7.53
Storage Tanks	0	0	0	0	0	0	0	0	0	0
Venting or Blowdowns	2.27	3.58	0.43	4.08	0	0.01	0.02	0	0	10.39
Combustion Control Devices	0.73	1.15	0.14	1.31	6.8	0	0.01	0	0	10.13
Non-Road Internal Combustion Engines	308.48	127.21	2.3	81.85	64.41	14.51	0	3148.38	145.06	3892.17
Drill Mud	31.55	49.81	5.93	56.76	295.34	0.17	0.34	0	0	439.9
Flowback or Completions	0	0	0	0	0	0	0	0	0	0
Loadout	0	0	0	0	0	0	0	0	0	0

Production Emissions

Complete the following chart based on the estimated total equipment emissions (in lbs) for the Oil & Gas Location once the Oil & Gas Location has entered the production stage, for Hazardous Air Pollutants (HAP). The table should be filled out based on ONE year of operation.

	BEN	TOL	ETH	XYL	NHE	TMP	H2S	FDE	MET	HAP
Stationary Engines or Turbines	0	0	0	0	0	0	0	0	0	0

Process Heaters or Boilers	0.35	0.57	0	0	301.45	0	0	12.56	0	314.93
Storage Tanks	0	0	0	0	0	0	0	0	0	0
Dehydration Units	0	0	0	0	0	0	0	0	0	0
Pneumatic Pumps	0	0	0	0	0	0	0	0	0	0
Pneumatic Controllers	0	0	0	0	0	0	0	0	0	0
Separators	0	0	0	0	0	0	0	0	0	0
Fugitives	1.94	3.06	0.36	3.48	18.12	0.01	0.02	0	0	26.99
Venting or Blowdowns	0.82	1.29	0.15	1.47	0	0	0.01	0	0	3.74
Combustion Control Devices	0	0	0	0	0	0	0	0	0	0
Non-Road Internal Combustion Engines	0	0	0	0	0	0	0	0	0	0
Loadout	0	0	0	0	0	0	0	0	0	0
Well Bradenhead	43.27	68.3	8.13	77.83	404.98	0.23	0	0	0	602.74
Well Maintenance	0	0	0	0	0	0	0	0	0	0

Provide a qualitative evaluation of any potential acute or chronic, short- or long-term incremental impacts to public health as a result of the estimated total pre-production hazardous air pollutant emissions.

Based on the air monitoring that Extraction Oil and Gas, Inc. has performed throughout GWA and the analysis of site-specific conditions and equipment at the proposed pad, it is not anticipated that there will be any potential acute or chronic, short- or long-term incremental impacts to public health as a result of the estimated emissions during pre-production operations.

Provide a qualitative evaluation of any potential acute or chronic, short- or long-term incremental impacts to public health as a result of the estimated annual production hazardous air pollutant emissions.

Based on the air monitoring that Extraction Oil and Gas, Inc. has performed throughout GWA and the analysis of site-specific conditions and equipment at the proposed pad, it is not anticipated that there will be any potential acute or chronic, short- or long-term incremental impacts to public health as a result of the estimated emissions during production operations.

Dust Impacts

The following are the estimated number of truck trips traveling on or off the Oil & Gas Location.

Total	During Construction	During Drilling	During Completions	During Interim Reclamation	During Production
Monthly	67	1680	2039	100	60
Annual	300	7265	10740	100	720

Estimated total pounds (lbs) of proppant to be used during completions activities. 3266487
00

Provide the type of proppant(s) that are planned to be used during completions activities.

Sand will be used as the primary proppant. Mesh sizes will vary - 40/70 Mesh and 100 Mesh sand will be used.

Provide an evaluation of the proposed proppant management system that will be used to minimize dust during completions activities, including the estimated amount of silica dust that will leave the Oil & Gas Location.

Operator utilizes a containerized sand box system to store and move sand during Completions operations. As such, sand-dust emissions are de minimis in quantity.

EXISTING OIL & GAS

Total number of oil & gas locations within 1-mile of the Oil & Gas Location:

	Total Number of Locations	Total Number of Wells
Active, built	12	54
Permitted by ECMC, unbuilt	0	0
Permitted by Relevant Local Government & not ECMC, unbuilt	0	0
Proposed	0	23

Total acreage disturbance during construction of the active and proposed oil & gas locations within 1-mile of the proposed Oil & Gas Location: 27.8

Source for acreage total:

Field Observation/Measurement

ECMC Location Files

- Aerial PhotosOther
- Other

If "Other" is selected, please describe the source use to determine the acreage total for construction disturbance of the active and proposed oil & gas locations within 1-mile of the proposed Oil & Gas Location.

Total permitted capacity of on-location storage (in number of pits and tanks) of the active and proposed oil & gas locations within 1-mile of the Oil & Gas Location :
NOTE: providing the existing number of pits and tanks on surrounding existing locations is optional.

Source for storage totals:		Permitted Onsite Storage Capacity	Existing Onsite Storage Capacity
<input type="checkbox"/> Field Observation/Measurement	Oil	<u>8</u>	<u>8</u>
<input checked="" type="checkbox"/> ECMC Location Files	Condensate	<u>1</u>	<u>1</u>
<input checked="" type="checkbox"/> Aerial PhotosOther	Produced Water	<u>5</u>	<u>5</u>
<input type="checkbox"/> Other	Pits	<u>0</u>	<u>0</u>

If "Other" is selected, please describe the source use to determine the tank totals for the active and proposed oil & gas locations within 1-mile of the proposed Oil & Gas Location.

OIL & GAS DEVELOPMENT PLAN-SCALE DATA

List High Priority Habitats (HPH) that are estimated be disturbed by the construction of new roads, including access roads, pipelines, and utilities for this OGDG, along with the estimated disturbed acreage of each HPH.

No HPH Identified

List the total estimated of disturbed acreage and the total disturbed High Priority Habitat (HPH) area (in acres) during construction and the acreage that will remain disturbed after interim reclamation of the following for the entire OGDG:

	Construction			Post-interim Reclamation	
	Total Acreage (acres)	Total HPH Acreage (acres)		Total Acreage (acres)	Total HPH Acreage (acres)
New roads, including access roads	<u>0.61</u>	<u>0</u>	New roads, including access roads	<u>0.61</u>	<u>0</u>
Pipelines	<u>0</u>	<u>0</u>	Pipelines	<u>0</u>	<u>0</u>
Utilities	<u>0</u>	<u>0</u>	Utilities	<u>0</u>	<u>0</u>

Provide any further information regarding the HPH disturbance from the construction of new roads, including access roads, pipelines, and utilities for this OGDG.

Number of miles of the existing lease road that are planned to be used to access these location(s): 0.12

BENEFICIAL IMPACT INFORMATION

Equipment and Facility Removal

Total number of existing wells that are planned to be plugged and abandoned as part of this OGDG: 22

Total number of existing locations that are planned to be closed and undergo final reclamation as part of this OGDG: 18

Total number of acres that are planned to be reclaimed through the closing of existing locations: 11.84

Total number of tanks planned to be removed from existing locations through the approval of this OGDG:

Oil Tanks: 24
Condensate Tanks: 0
Produced Water Tanks: 13

Total number of existing pits that are planned to be closed and undergo final reclamation as part of this OGDG: 0

Estimated number of vehicle trips that are planned to be prevented from the above mentioned facility closures and equipment upgrades (on an annual basis): 2652

Provide a qualitative evaluation of any incremental beneficial impacts to the surrounding community directly and indirectly from this OGDG.

The proposed Draco OGDG will enable the plugging, abandonment, and decommissioning of twenty-two (22) existing wells including associated facilities and flowline infrastructure. Additional benefits include but are not limited to: providing a reliable domestic energy source; employing Colorado residents during all phases of operations; generating tax revenue and the payment of fees to local and state agencies; and provide royalty income to mineral interest owners.

Provide a qualitative evaluation of any incremental beneficial impacts to the surrounding wildlife and ecosystems directly and indirectly from this OGDG.

Production (including oil, natural gas, and produced water) from the Draco Pad will be transported via buried pipeline from the location to an existing, regional gathering system. The use of 3-phase pipelines will eliminate the need to truck oil and produced water from location thereby significantly reducing the likelihood of interactions between wildlife and vehicular traffic associated with the proposed development. Adverse impacts to local ecosystems are not anticipated.

MITIGATION INFORMATION

Item	Impacted Resource	Mitigation Description
1	Air Resources	<p>DRILLING -The drilling rig(s) that will be utilized to drill the wells to total depth will be powered by utility power.</p> <p>COMPLETIONS -Extraction will utilize Tier IV or equivalent rated completion equipment. This helps to minimize the cumulative impacts to air resources that are associated with the use of internal combustion engines. -Employ the practice of “block and isolate” whenever possible on equipment, piping, and/or tank connections. -Use of sealed containers (e.g., sandboxes) for the storage and transportation of sand used in hydraulic fracturing. -Any gas encountered during drill-out will be combusted with a minimum of 98% destruction efficiency. -Any fluids encountered during drill-out will be sent to a controlled tank and stored until transferred for disposal (e.g., water) or sale (e.g., oil). -Any gas encountered during flowback will be routed to a gas sales pipeline or combusted with a minimum of 98% destruction efficiency. -Any fluids encountered during flowback will be sent to the facility for processing until it is transferred via pipeline for disposal (e.g., water) or sale (e.g., oil).</p> <p>PRODUCTION -Operator will install an oil pipeline to the location prior to first production. -Operator will install a produced water pipeline to the location prior to first production. Reducing air emission associated with truck traffic and engine idling. -Operator will utilize compressed air pneumatics for all pneumatic actuation on location. -Operator will utilize a pressurized maintenance vessel during maintenance operations. -Operator will utilize a tankless design. -Operator will electrify the permanent production facilities.</p>
2	Soil Resources	<p>-Topsoil will be stockpiled on location with slopes not greater than 3:1 -Topsoil stockpiles will be stabilized with appropriate vegetation to provide both short- and long-term stabilization to prevent erosion. -Topsoil stockpiles will be stabilized with appropriate vegetation to provide both short- and long-term stabilization to prevent erosion.</p>

3	Water Resources	<p>PRODUCTION</p> <ul style="list-style-type: none"> -Extraction will install a polyethylene liner across portions of the location as an isolation barrier. The drilling rig and associated equipment (including fluid storage areas) are placed atop the liner. -Extraction will install a polyethylene liner across portions of the location as an isolation barrier. The completion fleet and associated equipment (including fluid storage areas) are placed atop the liner. <p>PRE-PRODUCTION</p> <ul style="list-style-type: none"> -Wells, facilities, and equipment will be equipped to be shut-in remotely. -Development of a site-specific SPCC plan.
4	Public Welfare	<p>NOISE</p> <ul style="list-style-type: none"> -Four (4) continuous noise monitoring terminals will be placed proximal to residential building units to monitor sound levels. -Following the completion of the construction, a sound barrier (minimum rating of STC-30) will be installed on all sides of the pad site. This sound barrier will be 32-feet tall and remain onsite through Completions operations. -A "quiet completions fleet" will be used for hydraulic fracturing operations. <p>LIGHT</p> <ul style="list-style-type: none"> -Lighting will be angled in a downward manner to limit the halo effect off location. -Lights will be placed at reasonable heights to limit spillage off location. -Operator will not install permanent lighting. <p>DUST</p> <ul style="list-style-type: none"> -A hard-surface apron will be installed at the entrance of the access the road to prevent mud-tracking and associated dust emissions on the public roadway. -Mud-tracking devices will be incorporated on the road access before the apron. <p>ODOR</p> <ul style="list-style-type: none"> -Extraction will employ pipe cleaning procedures when removing drill string from hole and remove drill cuttings daily. -Extraction will utilize Group III drilling fluids. -Utilize closed-loop, pit-less fluid management system.
5	Ecosystem and Wildlife Resources	<p>TERRESTRIAL WILDLIFE</p> <p>Operator will conduct additional avian surveys prior to the commencement of construction to ensure no conflicts have developed since the prior survey(s).</p>

OPERATOR COMMENTS AND SUBMITTAL

Per guidance from ECMC staff, operator submitted cumulative impact data based on drilling with two rigs sumultaneously. There is a chance that only one rig would be utilized, if that occurs operator will update the Form 2B data to reflect the change.

Print Name: ANNABLE, JEFFREY

Title: Manager, Permitting

Email: jannable@civiresources.com

Date: 01/17/2024

Based on the information provided herein, this Cumulative Impacts Data Identification Form 2B complies with ECMC Rules and is hereby accepted into the Cumulative Impacts Data Evaluation Repository (CIDER database).
Contact OGLA Staff for consultation.

ECMC Approved: _____

Director of ECMC

Date: _____

ATTACHMENT LIST

Att Doc Num **Name**

403550315	Form 02B SUBMITTED
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Total Attach: 1 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	With operator concurrence, the Water Resources section was updated to reflect the use of recycled produced water.	08/13/2024
OGLA	The Director has determined this OGDG application is complete. Form pushed to IN PROCESS.	06/18/2024
OGLA	Returned to DRAFT at operator's request.	05/02/2024
OGLA	The Draco OGDG did not pass Completeness. This Form 2B will remain in UPLOAD until the Form 2A, Doc #403550304 is determined to be complete.	04/08/2024

Total: 4 comment(s)