

FORM
2A
Rev
05/22

State of Colorado Oil and Gas Conservation Commission

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Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:
402622778
(SUBMITTED)
Date Received:
07/29/2022

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:
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
220700197		

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

Contact Information

Operator Number: 10764
 Name: NUEVIDA RESOURCES LLC
 Address: 5950 CEDAR SPRINGS RD STE #100
 City: DALLAS State: TX Zip: 75235

Name: Richard Pate
 Phone: (303) 945-2868
 Fax: ()
 email: dpate@nuevidaresources.com

FINANCIAL ASSURANCE FOR THIS LOCATION (check all that apply)

- Plugging, Abandonment, and Reclamation 20200199
- 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: Ardourel 33081718 Number: _____

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: 3 Section: 18 Township: 33N Range: 8W Meridian: N Ground Elevation: 6719
Latitude: 37.101193 Longitude: -107.767596
GPS Quality Value: 1.8 Type of GPS Quality Value: PDOP Date of Measurement: 12/22/2020

RELATED REMOTE LOCATIONS

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

This proposed Oil and Gas Location is: LOCATION ID # FORM 2A DOC #

RELEVANT LOCAL GOVERNMENT SITING INFORMATION

County: LA PLATA 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? 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: 01/03/2022

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

Status/disposition date: 07/21/2022

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: Christy Kost Contact Phone: (970) 382-6375

Contact Email: christy.kost@co.laplata.co.us

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:

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: 02/17/2021

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. Yes

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/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 checked="" 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:

#	latitude	longitude	i	ii	iii	iv	v	vi	vii	viii	ix	x	Variance Required?	Comments
1	37.101057	-107.765859	x							x				This location was considered because it would pair the disturbance with an existing location owned and operated by a different operator. This location was eliminated from consideration because it would leave approximately 12.8 BCF of reserves in the ground, and would not fully develop the mineral lease.
2	37.103575	-107.767431	x							x				This location was considered because it would access and develop all minerals within the lease acreage. However, this location is positioned on two different parcels and in accordance with COGCC setbacks, a pad needs to be 150' from a property line.
3	37.103067	-107.733408	x							x		x		This location was considered because would have been the best location on the east side of the acreage to access the minerals. However, the location is within 500 feet from an RBU within a DIC.

SURFACE & MINERAL OWNERSHIP

Surface Owner Info:

Name: Damon W. Ardourel Trust

Phone: 303-870-9066

Address: 12442 King St.

Fax: _____

Address: _____

Email: slgardourel@gmail.com

City: Broomfield State: CO Zip: 80020

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: Blanket Surety ID Number: 20200198
 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: 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>8</u>	Oil Tanks	<u>0</u>	Condensate Tanks	<u>0</u>	Water Tanks	<u>2</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>1</u>	Injection Pumps	<u>0</u>	Heater-Treaters	<u>2</u>	Gas Compressors	<u>0</u>
Gas or Diesel Motors	<u>0</u>	Electric Motors	<u>0</u>	Electric Generators	<u>0</u>	Fuel Tanks	<u>0</u>	LACT Unit	<u>0</u>
Dehydrator Units	<u>1</u>	Vapor Recovery Unit	<u>0</u>	VOC Combustor	<u>0</u>	Flare	<u>0</u>	Enclosed Combustion Devices	<u>1</u>
Meter/Sales Building	<u>1</u>	Pigging Station	<u>0</u>	Vapor Recovery Towers	<u>0</u>				

OTHER PERMANENT EQUIPMENT

< No Row Provided >

OTHER TEMPORARY EQUIPMENT

Temporary Equipment Type	Number
Produced Water Transfer Pump	<u>1</u>
Produced Water Storage Tanks	<u>20</u>

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.

- Line pipe on-site (wellhead to separators): 4" steel, x-42, sch. 40. MAOP = 3190 psi, Maximum operating pressure – 2000 psi (initial well flow back- 1st month).
- Line pipe for gas trunk-line between section 7 & 18: 10" steel, x-42, sch. 40. MAOP = 2060 psi, Maximum operating pressure of gathering line – 400 psi.
- Line pipe for water trunk-line between section 7 & 18: 8" HDPE (high density polyethylene), MAOP = 800 psi at 140 F, Maximum operating pressure & temperature – 150 psi and 120 F.

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):			604.b. (4)
			604.b. (1)	604.b. (2)	604.b. (3)	Details of Condition(s)
Building:	<u>1270</u> Feet	<u>SW</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Residential Building Unit (RBU):	<u>1270</u> Feet	<u>SW</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>See attached informed consent</u>
High Occupancy Building Unit(HOBU)	<u>5280</u> Feet	<u>N</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Designated Outside Activity Area:	<u>5280</u> Feet	<u>N</u>				
Public Road:	<u>79</u> Feet	<u>S</u>				

Above Ground Utility: 160 Feet S
 Railroad: 5280 Feet N
 Property Line: 188 Feet W
 School Facility: 5280 Feet W
 Child Care Center: 5280 Feet W
 Disproportionately Impacted (DI) Community: 4540 Feet E
 RBU, HOBUs, or School Facility within a DI Community: 5280 Feet W

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>3</u>
Residential Building Units	<u>0</u>	<u>0</u>	<u>2</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: 34.51
 Size of location after interim reclamation in acres: 4.89
 Estimated post-construction ground elevation: 6718

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? No

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:

The current land use for the property is considered agricultural rangeland grazing.

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

The current land use for the property is considered agricultural rangeland grazing.

Describe any applicable Federal land use designation:

The is not a designation for Federal land use.

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):

The landowner would like the property returned to its existing land use as agricultural rangeland grazing with the vegetation reclaimed to the current vegetation types.

Reference Area Latitude: 37.101193

Reference Area Latitude: -107.767596

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

Plant Community	Dominant vegetation
Shrub Land	Sagebrush

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

NRCS Map Unit Name: Arboles clay 3 to 12 percent slopes

NRCS Map Unit Name: Falfa clay loam, 3 to 8 percent slopes

NRCS Map Unit Name: Zyme clay loam, 3 to 25 percent slopes

GROUNDWATER AND WATER WELL INFORMATION

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

water well: 1823 Feet NE

Spring or Seep: 5280 Feet N

Estimated depth to shallowest groundwater that can be encountered at this Oil and Gas Location: 40 Feet

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

Estimated depth to groundwater value was determined from well data of wells located nearby the proposed location. This information was attained from the COGCC GIS online data of water wells. The shallowest well was located approximately 1823 feet northeast of the proposed well location.

SURFACE WATER AND WETLANDS

Provide the distance and direction to the nearest downgradient surface Waters of the State, as defined 0 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: 10850 Feet N

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

There is one paleo channel that is mapped through the temporary tank pad and well pad. There is one artificial impoundment east of the proposed well pad location that is fed by a paleo channel 485 feet of the WPS and does not have a designated outflow.

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 02/17/2021 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):

High Priority Habitat (list all that apply)	Oil and Gas Location	Access Road	Utility or Pipeline Corridor
1202.d.(3) - Mule deer migration & winter	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?

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

Direct impact habitat mitigation fee amount: \$ 35554

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?

There are no Compensatory Mitigation Plans currently proposed for the Oil and Gas Location addressing indirect impacts as none are expected.

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

Indirect impact habitat mitigation fee amount: \$ 0

Operator Proposed Wildlife BMPs

No	Target Species	BMP Type	Description
1	MULE DEER & ELK	Wildlife - Minimization	If new oil and gas operations must occur within CPW-mapped mule deer and elk severe winter range and/or winter concentration areas, the operator agrees to conduct new oil and gas operations outside the time period from December 1 through April 30.
2	MULE DEER & ELK	Wildlife - Minimization	NueVida will also control weeds across the entire Ardourel property within areas identified during an annual survey of the property to promote better forage and habitat for wildlife.
3	MULE DEER & ELK	Wildlife - Minimization	Interseeding would also take place on the Ardourel property within areas identified during an annual survey of the property with sparse vegetation. Interseeding will be completed with an approved seed mix agreed upon by the CPW, La Plata County, and NueVida.
4	MULE DEER & ELK	Wildlife - Minimization	NueVida would clean up and reseed an area in E/2 SE/4 Section 13, 33N-9W that the landowner has identified as illegal dumping area for trash.

AIR QUALITY MONITORING PROGRAM

Will the Operator install and administer an air quality monitoring program at this Location? No

Operator Proposed BMPs

No	BMP Target	CDPHE Recommendation	COGCC Action
	Waste		
	Description	Operator will properly test for and dispose of TENORM	
	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	
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	
PFAS	
Description	Operator will coordinate with nearby fire district(s) to evaluate whether PFAS-free foam can provide the required performance for the specific hazard
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	Operator will use Modular Large Volume Storage Tanks
CDPHE Comment	
Water	
Description	Operator will not use fracturing fluids which contain PFAS compounds
CDPHE Comment	
Air	
Description	Pipelines: Operator will use pipelines to transport water for hydraulic fracturing to and from location
CDPHE Comment	
Air	
Description	Venting/Flaring: Operator will control bradenhead/casinghead venting
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	
Water	
Description	Stormwater inspections: Operator will conduct weekly stormwater inspections during normal operations
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 characterize and dispose of all waste (i.e. the specific landfill/waste disposal location allows for acceptance of the waste stream)
CDPHE Comment	
PFAS	
Description	Operator will provide funding for nearby fire district(s) to support transition away from PFAS-containing foam
CDPHE Comment	
Air	
Description	
CDPHE Comment	
Air	
Description	Operator will implement a "hybrid production flowback method" or "modern production flowback method" (unlike the conventional or legacy flowback method, which uses temporary equipment to separate the oil, natural gas and water, the "hybrid-production flowback method" or "modern production flowback method" eliminates tanks by routing the oil, natural gas and water directly to permanent production equipment)
CDPHE Comment	
Air	
Description	Operator will use zero-emission desiccant dehydrators or 98% control of hydrocarbon emissions from glycol dehydrators
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	
Air	
Description	Odor mitigation: operator will use a squeegee or other device to remove drilling fluids from pipes as they exit the wellbore
CDPHE Comment	
Air	
Description	Pipelines: Operator will have adequate and committed pipeline take away capacity for all produced gas and oil
CDPHE Comment	
Water	
Description	Vehicle fueling: Operator will ensure that a fueling contractor is present during the entire fueling process to prevent overfilling, leaks and drips from improper connections
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	
Air	
Description	Odor mitigation: operator will cover trucks transporting drill cuttings
CDPHE Comment	
Water	

Description	Dust suppression: Operator will not use produced water or other process fluids for dust suppression
CDPHE Comment	
Air	
Description	Pipelines: Operator will shut in the facility to reduce the need for flaring if the pipeline is unavailable
CDPHE Comment	
Air	
Description	Operator will use non-emitting pneumatic controllers
CDPHE Comment	
Water	
Description	Stormwater inspections: Operator will conduct stormwater inspections immediately after storm event
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	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 control emergency flaring with an enclosed combustor with a destruction efficiency of 98% or better
CDPHE Comment	
Water	
Description	Vehicle fueling: Operator will refuel vehicles only on impervious surfaces and never during storm events
CDPHE Comment	
Water	
Description	Operator will recycle or beneficially reuse flowback and produced water for use downhole
CDPHE Comment	

PLANS

Total Plans Uploaded: 16

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

OPERATOR COMMENTS AND SUBMITTAL

Comments Water Resources and 1202.a.(3):
There are no rivers, perennial or intermittent streams, lakes, ponds, or wetlands within 500 feet of any proposed new staging, refueling, or chemical storage areas. The hydrologic features that receive and may transport seasonal flows at this location include two (2) paleo channels, which the United States Army Corps of Engineers (USACE) has determined to be non-active waterways and as such are non jurisdictional. Additionally, there is one ephemeral wash within 200 feet of the proposed working pad surface, however it occurs upgradient of this location, and is impounded downstream at 2 locations, making the environmental impacts on downstream waters at this proposed location extremely unlikely. CPW has concurred with the determination that this drainage is an ephemeral wash, thus a waiver for 1202.a.(3) is not required.

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

Signed: _____ Date: 07/29/2022 Email: dpate@nuevidaresources.com

Print Name: Richard Pate Title: Chief Operating Officer

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
0 COA	

Best Management Practices

No	BMP/COA Type	Description
1	Planning	<p>Alternative Location Analysis has been done on this project to best accomplish operator goals for development while reducing adverse impacts to natural resources and the public.</p> <p>Onsite meetings were held with local government agencies, CPW, and the COGCC regional representative to discuss early stages of planning and location details. Comments on locations chosen were considered and recommendations by the CPW representative were incorporated in to the final plan and location for the project.</p>
2	Community Outreach and Notification	<p>Notifications were sent to all landowners surrounding the project location and pipeline ROW. Comments received were noted and addressed as applicable. Conversations with RBU occupants within 2,000-foot buffer were conducted and informed consent documents were presented and signed by all residential occupants.</p> <p>Additional comments from surrounding community members were addressed and in person meetings were held to discuss project details.</p>
3	Pre-Construction	<p>Onsite meetings were held with local government agencies, CPW, and the COGCC regional representative to discuss early stages of planning and location details. Comments on locations chosen were considered and recommendations by the CPW representative were incorporated in to the final plan and location for the project.</p> <p>Site visits were conducted by biologists to get background and current ecosystem information such as vegetation types and densities, topsoil profiles, preliminary weed survey, ambient background noise levels, and property improvement areas (trash cleanup and areas for potential reseeding).</p>
4	Traffic control	<p>Background traffic data gathered from LPC and combined with estimated traffic trips needed for project to determine the needed traffic controls. Signage will be posted along road indicating additional traffic volumes. During high periods of traffic in or out of the location, flaggers will be placed in roadway to direct traffic.</p>
5	General Housekeeping	<p>An area near the proposed pond has been utilized as a trash dump for people around the area. NueVida proposes to clean, properly dispose of the trash and reseed the area.</p>
6	Wildlife	<ul style="list-style-type: none"> -Implementing a weed management plan across the entire Ardourel property. -Reseeding and inter-seeding with a CPW approved seed mix including native plant species. This would not only include seeding of the disturbed areas, but also in areas identified on the Ardourel property that have little to no plant growth. This would increase forage for wildlife. -A collection pond would be constructed on the northwest corner of the Ardourel property to collect water from a previous impounded ephemeral wash that is backing up and killing vegetation. This area is surrounded by pinyon junipers offering security and a water resources for wildlife. -Operations must occur within CPW-mapped mule deer and elk severe winter range and/or winter concentration areas, the operator agrees to conduct new oil and gas operations outside the time period from December 1 through April 30.

7	Storm Water/Erosion Control	<p>-Waddles will be placed around the well pad to prevent any on- and off-site sediment transfer. Topsoil storage areas will also have a perimeter of waddles so that no topsoil would leave the site.</p> <p>-Cut and fill banks would be reseeded and mulched for a long-term sediment and erosion control. Areas that have disturbance but are not recontoured will also be reseeded to reduce sediment loss. NueVida's pipeline would also be reseeded once completed.</p> <p>-Diversion ditches and culverts would be installed around the proposed pad to divert water from entering the site. Rock rip/rap would be installed downstream of the diversion ditches to slow the velocity of the water and reduce any erosion.</p>
8	Material Handling and Spill Prevention	<p>-All personnel involved in each phase of development will be informed of waste management protocols, types of waste, locations of the waste, and potential hazards, if any, prior to the start of any activities.</p> <p>-Inspections of waste storage locations will be conducted on a regular basis for any leaks or spills to ensure containment of the waste is adequate and to minimize any leaks or spills which occur.</p> <p>-All waste will be properly and clearly labeled, stored correctly, treated if necessary, and removed as promptly as practicable.</p> <p>-Accurate and detailed records will be kept of all E&P waste transportation and disposal to keep track of waste types; volumes treatment, transportation, and disposal practices; and disposal dates and locations.</p> <p>-NueVida will attempt to reuse its own produced water and will communicate with other operators to collaborate on re-use and recycling.</p> <p>- NueVida will look for opportunities to reduce volumes and toxicity of waste as well as for opportunities to reuse materials.</p> <p>Freshwater vs produced water Drill cuttings Flowback Hauling of waste materials etc. Secondary containments Inspections and by who Spill Response Add records info of in and off locations Sight equipment or unused material removed and properly stored or disposed of.</p>
9	Dust control	<p>Non-potable water will be applied to access roads and leveled pad areas during high traffic volumes, Reseeding and mulching of bare ground disturbed areas. As frac sand will be used during the fracking process, dust from the sand will be minimized by the use of closed metal containers, dust control socks, and a Total Dust Control System will be put in place to further reduce fugitive dust when transferring of the sand occurs. Trucks hauling materials to waste disposal will have screens or tarps covering the dump bed.</p>
10	Construction	<p>Equipment entering the location will be cleaned to minimize the spread of weeds or invasive species from spreading on the location. All stormwater controls and spill prevention controls will be used during construction. Dust and odor mitigations will also be used during construction. Migratory bird nesting surveys will be conducted if grubbing and removal of vegetation is to occur during the migratory bird nesting survey.</p>
11	Noise mitigation	<p>Ambient background noise level surveys were conducted to get a baseline of current noise conditions. A Quiet Frac Fleet will be used for fracking operations if available. Above ground storage tanks will be placed between the well pad location and County Road 318.</p>
12	Emissions mitigation	<p>All new equipment will be used for the production equipment on location and will meet COGCC standards for emissions. Closed loop system will be used for the transportation of liquids. Water pipeline installed between the Fassett SWD #1 and the project location will significantly reduce the need for trucking and associated emissions.</p>

13	Odor mitigation	<p>NueVida plans to mitigate the release of any odor during all phases of the project by utilizing a closed loop system for the movement of fluids. Any mud types used, whether it is a freshwater mud system or a synthetic oil-based mud system, will be stored in closed and upright tanks. Any mud recovered or drill cuttings that result from the drilling process will be held temporarily in three-sided bins and treated with an Ecosorb product (or equivalent product) and with a fluid absorbent (fly-ash) to remove additional moisture and odor from the cuttings. Drill cuttings will be hauled regularly to a permitted disposal site. Drilling mud will also be hauled in a closed tank system regularly to an approved disposal site. Produced water to be used for operations will be transported through pipelines and stored in the above ground storage tanks. The tanks will be tested weekly for any bacterial growth and will be treated as needed to control bacteria and nuisance odors from being emitted. Only dry gas and formation water is expected to be extracted from the wells. Any produced water extracted will move through equipment on the location before being transferred to the Fassett #1 Saltwater Disposal well north of the proposed project.</p>
14	Drilling/Completion Operations	<p>All stormwater controls and spill prevention controls will be used during drilling and completion operations.</p>
15	Interim Reclamation	<p>Redistribution of topsoil piles will occur throughout the tank pad TUA and areas of the well pad that are not needed as a working surface. Reseeding with an approved seed mix will occur on bare soils that are no longer needed as a working surface. Mulching with weed free much will occur after reseeded and will be crimped in to soil. Yearly monitoring will take place starting the season after reseeded has occurred.</p>
16	Final Reclamation	<p>Once the Ardourel 33081718 Pad is no longer producing and is decommissioned, the wells would be plugged and abandoned, and all equipment and associate infrastructure would be removed from the site. The leveled gravel pad area would be recontoured, reseeded, and returned back to the natural landscape. An onsite to discuss reclamation plans and procedures more in depth would take place before final reclamation takes place. This discussion would include the proposed seed mix, topsoil preparation, and any site-specific conditions the landowner may want.</p>

Total: 16 comment(s)

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403118420	PROPOSED BMPS
403118466	NRCS MAP UNIT DESC
403120786	SURFACE OWNER CONSENT
403158421	LOCAL/FED FINAL PERMIT DECISION
403158531	GEOLOGIC HAZARD MAP
403158535	SURFACE AGRMT/SURETY
403185121	REFERENCE AREA PICTURES
403185129	LOCATION PICTURES
403185137	CULTURAL FEATURES MAP
403185275	ACCESS ROAD MAP
403185356	RELATED LOCATION AND FLOWLINE MAP
403185472	DIRECTIONAL WELL PLAT
403198086	LOCATION AND WORKING PAD GIS GDB
403202010	LOCATION DRAWING
403202160	INFORMED CONSENT LETTER
403202442	PRELIMINARY PROCESS FLOW DIAGRAMS
403204040	WILDLIFE HABITAT DRAWING
403211645	CPW CONSULTATION
403224560	CONSULTATION SUMMARY
403224732	LAYOUT DRAWING
403232861	ALA DATASHEET
403232870	LAYOUT DRAWING
403232916	LAYOUT DRAWING
403233547	ALA NARRATIVE SUMMARY
403233549	HYDROLOGY MAP
403233552	REFERENCE AREA MAP

Total Attach: 26 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.

