

**FEDERAL 298-13-1 PAD
PLAN OF DEVELOPMENT
TEP ROCKY MOUNTAIN LLC
RIO BLANCO COUNTY, COLORADO**



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INTRODUCTION

The Federal 298-13-1 pad is one (1) of two (2) oil and gas location included in the Ryan Gulch Phase 2 Oil and Gas Development Plan (“OGDP”). The Ryan Gulch Phase 2 OGDP includes the development of thirty-eight (38) new directional natural gas wells from one (1) existing oil and gas location (Federal 298-13-1 pad) and one (1) proposed Oil and Gas Location (Federal RG 11-13-298 pad). The Ryan Gulch Phase 2 OGDP is located on Federal surface administered by the Bureau of Land Management (“BLM”) within Section 11, 12, 13, 14, and 24 of Township 2 South, Range 98 West, 6th P.M. and Section 18 of Township 2 South, Range 97 West, 6th P.M. in Rio Blanco County, Colorado.

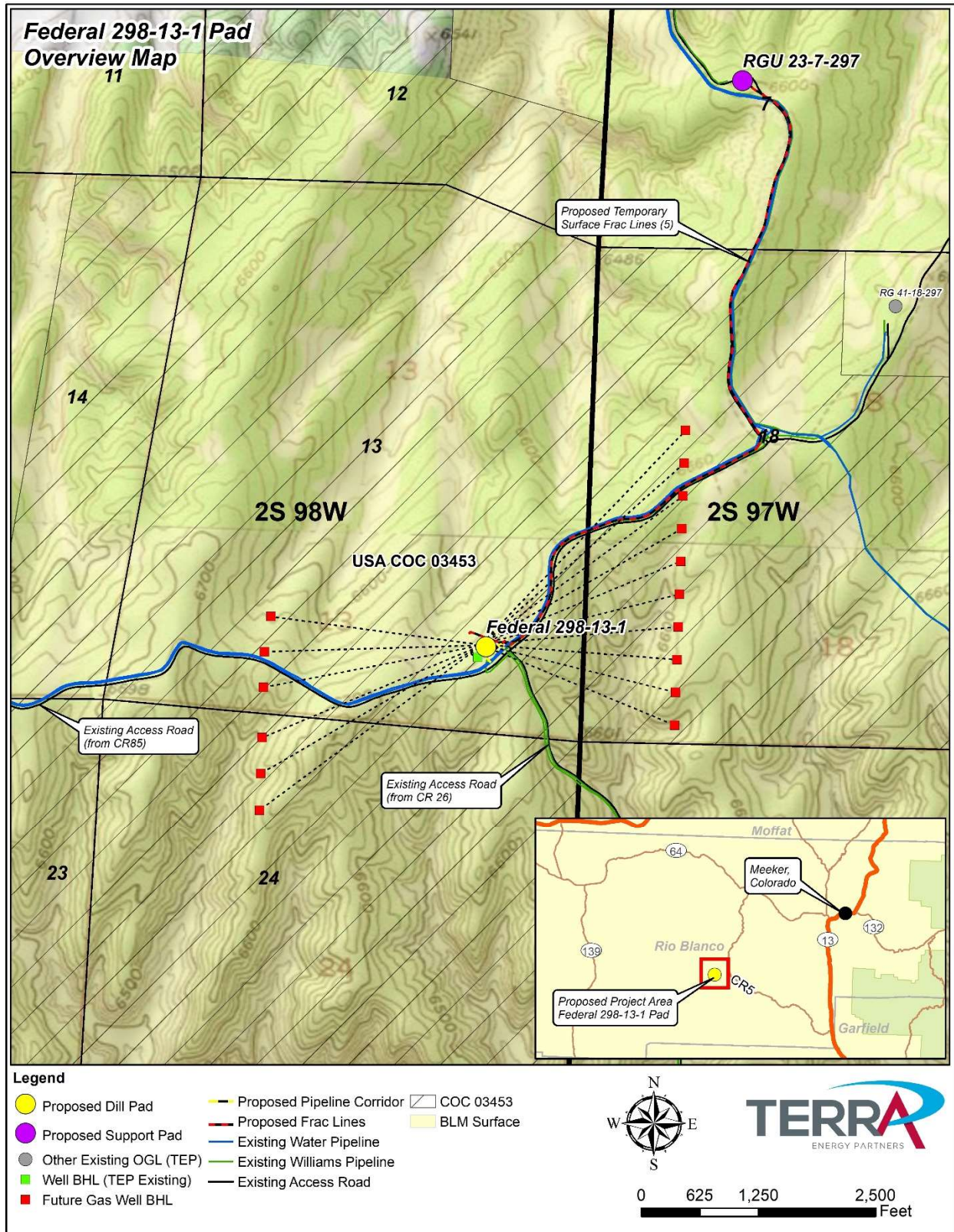
TEP Rocky Mountain LLC (“TEP”) is proposing to drill, complete, and operate sixteen (16) new directional natural gas wells from the existing Federal 298-13-1 pad (COGCC Loc ID: 315513) located on Federal surface administered by the Bureau of Land Management (“BLM”) overlying Federal lease COC-0003453. The Federal 298-13-1 pad is an existing oil and gas location with one (1) natural gas well producing from the underlying Federal lease COC-0003453. The oil and gas location is located on resource / rangeland within Lot 9, Lots 11, and Lot 12 of Section 13, Township 2 South, Range 98 West, 6th P.M., within Rio Blanco County, Colorado. All sixteen (16) proposed wells will be directionally drilled into Federal Lease COC-0003453. Please see Table 1, Existing and Proposed Wells List, for a list of the existing and proposed wells on the Federal 298-13-1 pad.

The Federal 298-13-1 pad will be reconstructed and slightly expanded to accommodate the development of the sixteen (16) proposed directional wells. The existing lease road, accessed from Rio Blanco County Road 26, will be utilized to access the existing oil and gas location during construction, drilling, completion, and production operations. BLM Road 1019 will also be utilized to access the Federal 298-13-1 pad from the west during all phases of development. The existing Federal RGU 23-7-297 pad (COGCC Loc ID# 316408) will be utilized as a remote frac support location for well completion operations for the proposed wells on the Federal 298-13-1 pad. The Federal RGU 23-7-297 pad is an existing oil and gas location that currently supports production operations of one (1) existing natural gas well. The oil and gas location was constructed in 2020 to support remote well completion operations on the Federal RG 41-18-297 pad (COGCC Loc ID# 316591) and to support future drilling operations of fourteen (14) proposed natural gas well beginning in Fall of 2022. The Federal RGU 23-7-297 pad is located on Federal surface administered by the BLM in Lots 15 and 16 of Section 7, Township 2 South, Range 97 West, 6th P.M. The Federal RGU 23-7-297 pad has been utilized for remote well completion operations in recent years and is proposed for use as a remote frac pad for both oil and gas locations within the Ryan Gulch Phase 2 OGDP.

To support production operations on the Federal 298-13-1 pad, Williams Midstream (“Bargath”) will install one (1) eight-inch (8”) steel natural gas pipeline (approx. 485 feet) from the proposed separators on the Federal 298-13-1 pad to the existing sixteen-inch (16”) natural gas pipeline south of the pad along BLM Road 1019. TEP will install one (1) six-inch (6”) Coreline or FlexSteel water pipeline (approx. 65’) from the proposed produced water transfer pump on the Federal 298-13-1 pad to the proposed tie-in point with an existing dual four-inch (4”) and six-inch (6”) water pipelines located south the oil and gas location adjacent to BLM Road 1019.

Well completion operations associated with the proposed wells on the Federal 298-13-1 pad will be conducted via simultaneous operations (“SIMOPS”) from the existing Federal RGU 23-7-297 pad. Water will be transported to the Federal RGU 23-7-297 pad via existing water pipelines operated and maintained by TEP. TEP will install five (5) four-and-one-half-inch (4.5”) steel temporary surface frac lines from the Federal RGU 23-7-297 pad to the Federal 298-13-1 pad to support remote frac and flowback operations.

Figure 1. Federal 298-13-1 Project Overview Map



Temporary surface frac lines will be installed following the existing access roads from the Federal RGU 23-7-297 to the Federal 298-13-1. Recycled produced water will be pumped from TEP's existing produced water management facilities to the Federal RGU 23-7-297 pad during well completion operations. Flowback will be processed through four (4) phase separation equipment and transported via pipeline either to the Federal RGU 23-7-297 pad for recycling for future well completion operations, or transported to TEP's water management facilities for processing, reuse, recycling, and / or disposal.

Construction activities for the Federal 298-13-1 pad are scheduled to begin September 2022 and are expected to take approximately sixty (60) days to complete. Drilling operations for the sixteen (16) proposed directional wells will begin in April 2023. Since SIMOPS is planned for development of these wells, well completion operations will begin June 2023. Drilling operations are expected to take approximately one-hundred-sixty-four (164) days and should be completed in September 2023. Well completion operations are expected to take approximately one-hundred-and-ninety-four (194) days and should be completed in December 2023. Reclamation of the Federal 298-13-1 pad will begin May of 2024 and is expected to take approximately thirty (30) days to complete. Site reclamation may be delayed dependent on weather conditions and project scheduling. Development activities may be accelerated or delayed based on market conditions and company constraints.

Table 1. Existing and Proposed Wells List

Pad Name	Well Name	Status	API (#)	Land Type	Lease (#)	CA/Section
Federal 298-13-1 Pad	Gov Federal 298-13-1	Existing	05-103-08631	FED	USA COC 0003453	Section 13
	RG 21-24-298	Proposed	--	FED	USA COC 0003453	Section 24
	RG 514-18-297	Proposed	--	FED	USA COC 0003453	Section 18
	RG 314-18-297	Proposed	--	FED	USA COC 0003453	Section 18
	RG 14-18-297	Proposed	--	FED	USA COC 0003453	Section 18
	RG 524-13-298	Proposed	--	FED	USA COC 0003453	Section 13
	RG 412-18-297	Proposed	--	FED	USA COC 0003453	Section 18
	RG 313-18-297	Proposed	--	FED	USA COC 0003453	Section 18
	RG 312-18-297	Proposed	--	FED	USA COC 0003453	Section 18
	RG 424-13-298	Proposed	--	FED	USA COC 0003453	Section 13
	RG 512-18-297	Proposed	--	FED	USA COC 0003453	Section 18
	RG 413-18-297	Proposed	--	FED	USA COC 0003453	Section 18
	RG 324-13-298	Proposed	--	FED	USA COC 0003453	Section 13
	RG 321-24-298	Proposed	--	FED	USA COC 0003453	Section 24
	RG 421-24-298	Proposed	--	FED	USA COC 0003453	Section 24
	RG 13-18-297	Proposed	--	FED	USA COC 0003453	Section 18
	RG 414-18-297	Proposed	--	FED	USA COC 0003453	Section 18

EXISTING / PROPOSED SITE ACCESS

Existing roads, including private lease roads and public roads, will be utilized during construction, drilling, completion, and production operations of the sixteen (16) proposed wells. The Federal 298-13-1 pad is accessed from Rio Blanco County Road 26 via an existing lease road south of the oil and gas location. The oil and gas location is also accessed from Rio Blanco County Road 85 via BLM Road 1019. Both existing access roads are maintained by TEP and other existing operators in the area. Minor road maintenance will be performed along the existing lease roads prior to pad reconstruction. Stormwater controls along the existing access roads will be evaluated during construction to ensure they are functioning properly. Additional controls may be evaluated during construction with the surface owners and implemented, as necessary.

New access roads will not be required for development of the sixteen (16) proposed wells on the Federal 298-13-1 pad. Additionally, there will be no new disturbance activities along the existing access roads. Only maintenance activities will be performed along the existing access roads.

TEP will be responsible for periodic inspection and maintenance of the existing lease roads. TEP will conform to a schedule of preventative maintenance, which at a minimum, provides for the following measures on a biannual basis. Problem areas will be corrected as needed.

1. Road surface grading and application of surfacing materials, as needed.
2. Relief ditch, culvert, and cattle guard cleaning.
3. Erosion control measures for cut and fill slopes and all other disturbed areas.
4. Road closures during periods of excessive soil moisture to prevent rutting caused by vehicular traffic.
5. Road and slope stabilization measures as required.
6. All roads shall be maintained to the standards required for the construction of the road until final abandonment and rehabilitation takes place.

WELLSITE LAYOUT AND CONSTRUCTION

Federal 298-13-1 Pad

The Federal 298-13-1 pad will be reconstructed and expanded to provide the necessary working surface to support safe and efficient working conditions for all TEP employees and contractors during each phase of development, including drilling, completion, and production operations. Prior to initial pad construction, TEP will have the proposed pad location and pipeline corridors staked for construction and will hold a pre-construction onsite with the excavation and storm water contractors to review the proposed site construction design drawings and stormwater control measures.

TEP's stormwater contractor will then install initial stormwater control measures (i.e. wattles, straw bales, etc.) along the outer perimeter of the proposed disturbance boundary. TEP's construction contractor will then begin removal of existing vegetation within the disturbance footprint by hydro-axing or brush hogging the trees or larger bushes within the project disturbance boundary. Stormwater control measures, such as sediment traps and diversion ditches, will then be installed along the perimeter of the site prior to pad excavation.

Topsoil within the pad disturbance footprint will then be stripped and stockpiled northeast of the proposed cuttings trench. Topsoil will be stripped to a depth of approximately six inches (6") and will be segregated from all other subsurface materials for use during site reclamation. Wattles will be placed around the perimeter of the topsoil stockpile to prevent offsite migration of organic materials. Please see the Topsoil Protection Plan included as an attachment to the amended Form 2A for additional details on topsoil management.

Excavation of the pad will then commence and will be constructed based on the Construction Layout included as an attachment to the amended Form 2A. Perimeter berms and drive-over berms will be constructed around the fill side of the pad location and around the cuttings trench, as shown on the Construction Layout.

The proposed production equipment areas, and on-location flowlines will then be installed. Conductors may be installed during installation of production facilities if drilling operations are expected to commence within six (6) months of installation. Per COGCC Rule 406.e.(4), conductors for wells that have not been drilled within six (6) months of setting the conductor must be plugged per the guidelines outlined in the

rule. The areas beneath the proposed rig footprint will be compacted to ensure stability of the rig during drilling operations. The pad working surface will be bladed level and graveled with a minimum of four inches (4”) of three-quarter inch (3/4”) surfacing materials imported from one or more local gravel pits.

Any rocks or boulders exposed during excavation of the pad location will be buried within the fill slope of the oil and gas location or utilized as riprap in stormwater control measures for this project. Utilization of rocks and boulders will be evaluated during construction of the site with the construction contractor.

The cut and fill slopes, excess stockpiles, and topsoil stockpiles will be hydro-mulched following completion of pad construction. This will be done to minimize the potential for site degradation during the initial drilling and well completion phase of the project.

Federal RGU 23-7-297 Remote Frac Pad

The existing Federal RGU 23-7-297 pad will be utilized to support remote well completion operations for the sixteen (16) proposed directional wells on the Federal 298-13-1 pad. The existing working surface of the pad will be utilized for well completion operations. No pad expansion will be required for the proposed operations. Minor pad grading and stormwater maintenance may be needed prior to commencement of completion operations. Please see the Preliminary Well Completion and Stimulation Layout Drawing included in the Layout Drawing package attached to the amended Form 2A for additional details.

Source of Construction Materials

Surface and subsoil materials within the proposed construction areas would be used. Additional gravel would be obtained from the gravel pits listed below.

Table 2. Construction Material Source Table

<i>Material Type</i>	<i>Location/Company Name</i>	<i>Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip Code</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Township</i>	<i>Range</i>	<i>Section</i>
Surface (Topsoil)	On Site Material	--	--	--	--	--	--	--	--	--
Subsurface	On Site Material	--	--	--	--	--	--	--	--	--
Gravel	United White River	41253 CR 5	Meeker	Colorado	81641	40.091583	-108.227879	2S	97W	36

PROPOSED PRODUCTION FACILITIES

Production Equipment

TEP will install wellhead telemetry and other wellhead specific equipment on the Federal 298-13-1 pad to support production of the sixteen (16) proposed natural gas wells. TEP will also install production facilities, including separators, tanks, Enclosed Combustion Devices (“ECDs”), and a pump on the Federal 298-13-1 pad to effectively produce the proposed wells. Nineteen (19) separators (4 quad separators, 1 single separator, 1 low pressure separator, and 1 vertical two-phase separator) will be installed along the southwest side of the pad within a ninety-five-foot (95’) long by thirty-foot (30’) wide area.

A new tank battery will be installed along the south side of the oil and gas location including, six (6) five-hundred-barrel (500bbl) water tanks, two (2) five-hundred-barrel (500bbl) condensate tanks, two (2) five-hundred-barrel (500bbl) gun-barrel tanks, one (1) five-hundred-barrel (500bbl) vent tank, and one (1) five-hundred-barrel (500bbl) blowdown tank used for well blowdown and pipeline venting operations. All twelve (12) tanks will be installed within a ninety foot (90’) by forty foot (40’) lined steel secondary containment structure. The tank battery will be installed with a minimum of seventy-five-feet (75’) setback from the proposed separators, wellheads, and ECDs.

TEP will also install one (1) electric produced water pump and one (1) dual fuel generator adjacent to the proposed tank battery within a thirty-foot (30') by twenty-foot (20') area to pump produced water to the Mautz Ranch Multi-Well Pit (COGCC Loc ID# 422672) during long-term production operations. Four (4) ECDs will be installed on the pad northwest of the separators to control emissions. One (1) air compressor and dual fuel generator pack will be installed adjacent to the separators for operation of instrument air supply. Chemical tanks and pumps will also be installed near the wellhead to provide automated chemical treatments during production operations. A temporary buy-back meter will be installed on location during drilling operations to supply fuel gas to the drilling rig.

Please see Table 4, Production Equipment Details, for a list of the production facilities proposed for each facility. Please see the Construction Layout and Facility Layout Drawing for each location for the proposed configuration of facilities on this location.

Table 4. Production Equipment Details

Pad Name	Equipment Description	Equipment Count	Capacity	Status	COGCC Class
Federal 298-13-1 Pad	Natural Gas Wells	17	NA	Existing/Proposed	Major Equipment
	Quad Separators	4	NA	Proposed	Major Equipment
	Single Separator	1	NA	Proposed	Major Equipment
	Low Pressure Separator	1	NA	Proposed	Major Equipment
	Vertical Two-Phase Separator	1	NA	Proposed	Major Equipment
	Produced Water Tanks	6	500bbl	Proposed	Major Equipment
	Condensate Tanks	2	500bbl	Proposed	Major Equipment
	Gun Barrel Tanks	2	500bbl	Proposed	Other Permanent Equip.
	Blowdown/Vent Tanks	2	500bbl	Proposed	Other Permanent Equip.
	Buy-Back Meter (Bargath)	1	NA	Proposed	Other Temporary Equip.
	Enclosed Combustion Devices	4	NA	Proposed	Major Equipment
	Produced Water Transfer Pumps	1	NA	Proposed	Other Permanent Equipment
	Dual Fuel Generator	1	NA	Proposed	Other Permanent Equipment
	Chemical Pumps	5	NA	Proposed	Other Permanent Equip.
	Chemical Tank	4	500gal	Proposed	Other Permanent Equip.
	Chemical Tank	1	135gal	Proposed	Other Permanent Equip.
	Air Compressor/Dual Fuel Gen	1	NA	Proposed	Other Permanent Equip.

Electrical Service

TEP is currently working with White River Electric to evaluate the potential for providing electricity to the oil and gas location for powering the proposed produced water pump and other electrical equipment planned for use on this location. An agreement has not been reached regarding installation; however, if an agreement is made, White River Electric will work with the surface owner (BLM) to acquire the necessary rights-of-ways for installation, operation, and maintenance of a powerline corridor to this location.

On the Federal 298-13-1 pad, TEP will install one (1) two-inch (2") electrical conduit from the thermoelectric generator (TEG) at the proposed separators to the chemical skid which would be located near the proposed wells. The TEG will provide supplemental power to the chemical pump during well production.

PROPOSED PIPELINES

Permanent Pipelines

To support the increase in production volume from the proposed wells on the Federal 298-13-1 pad, Bargath will install one (1) eight-inch (8") steel natural gas pipeline (approx. 485 feet) from the proposed separators

on the Federal 298-13-1 pad to the tie-in point on the existing sixteen-inch (16") Bargath gas pipeline located south of the oil and gas location adjacent to the existing access road (BLM 1019). The proposed natural gas pipeline will be installed across the pad location to the pipeline tie-in location in the adjacent pipeline ROW. The pipeline right-of-way will consist of a thirty-five foot (35') wide permanent right-of-way and a fifteen foot (15') temporary workspace running the length of the right-of-way. The proposed natural gas pipeline will be installed by a qualified construction contractor at the direction of Bargath.

TEP will install one (1) six-inch (6") Coreline or FlexSteel water pipeline (approx. 65 feet) from the proposed produced water transfer pump on the Federal 298-13-1 pad to the proposed tie-in point with an existing four-inch (4") and six-inch (6") water pipelines located south of the oil and gas location. A fifty-foot (50') wide pipeline right-of-way will be constructed for installation of the proposed off-location produced water line. Two (2) proposed valve cans will be installed in the proposed right-of-way, one (1) at each tie-in points with the existing dual 4" and 6" water lines. The pipeline right-of-way would consist of a thirty-five foot (35') wide permanent right-of-way and a fifteen-foot (15') temporary workspace running the length of the right-of-way. The produced water pipeline will be installed by a qualified construction contractor at the direction of TEP. The produced water pipelines will be buried with a minimum of forty-eight-inch (48") depth of cover.

Table 3. Proposed Pipeline Details

Pad Name	Pipeline Description (COGCC Line Type)	Number of Lines (Status)	Dia. (in.)	Material	Fluid	Depth	Bedding Material	Length (ft.)	ROW Width (ft.)
Federal 298-13-1 Pad	Gathering Line (Off-Location Flowline)	1	8	Steel	Gas	48" Min	Screened Subgrade	±485	50
	Water Pipeline (Off-Location Flowline)	1	6	Coreline/Flexsteel	Water	48" Min	Screened Subgrade	±65	50
	Wellhead Flowline (On-Location Flowline)	17	2	Coated Steel	Multi-Phase	48" Min	Screened Subgrade	±115	NA
	Condensate Dump Line (On-Location Flowline)	1	2	Coated Steel	CNDS	Surf.	NA.	±170	NA
	Water Dump Line (On-Location Flowline)	1	2	Coated Steel	Water	Surf.	NA.	±170	NA
	Water Vent Line (On-Location Flowline)	1	2	Coated Steel	Water	Surf.	NA.	±170	NA
	Blowdown Line (On-Location Flowline)	1	2	Coated Steel	Water	Surf.	NA.	±170	NA
	ECD Piping (Process Piping)	1	4	Aluminum	Emissions	Surf.	NA.	±210	NA
	Fuel Gas Pipeline - ECD (On-Location Flowline)	1	1	Coated Steel	Gas	Surf.	NA.	±20	NA
	Fuel Gas Pipeline - Tanks Burners (On-Location Flowline)	1	1	Coated Steel	Gas	Surf.	NA.	±80	NA
	Fuel Gas Pipeline - Rig (On-Location Flowline)	1	2	Coated Steel	Gas	48" Min	Screen Subgrade	±115	NA
	Surface Frac Lines (Off-Location Flowline)	5	4.5	Steel	Water	Surf.	NA	±7,810	50

On the Federal 298-13-1 pad, TEP will install seventeen (17) two-inch (2") coated steel wellhead flowlines (approx. 115 feet each) between the existing / proposed wellheads and the proposed separators. To provide a fuel source for drilling operation, one (1) two-inch (2") coated steel fuel gas flowline (approx. 115 feet) will be installed from the temporary buy back meter near the proposed separators to a riser near the proposed wellheads. One (1) two-inch (2") coated steel condensate line (approx. 170 feet) will be installed from the proposed separators to the proposed condensate tanks. One (1) two-inch (2") coated steel water dump line (approx. 170 feet) will be installed from the proposed separators to the proposed produced water tanks. One (1) two-inch (2") coated steel vent line (approx. 170 feet) will be installed from the proposed produced water line to the proposed vent tank. One (1) two-inch (2") coated steel blowdown/unload line (approx. 170 feet) will be installed from the proposed separators to the blowdown tank. One (1) four-inch (4")

aluminum pipeline (approx. 210 feet) will be installed from the proposed tank battery to the proposed ECDs. One (1) one-inch (1") steel gas supply flowline (approx. 20 feet) will be installed from the separators to the ECDs and one (1) one-inch (1") steel gas supply flowline (approx. 80 feet) will be installed from the separators to the tank burners located inside the proposed tank containment.

Temporary Pipelines

TEP will install five (5) four and one-half inch (4.5") temporary surface steel frac lines, approximately 7,810 feet in length each, from the Federal RGU 23-7-297 pad to the Federal 298-13-1 pad. The temporary surface frac lines will be installed following the existing Bargath pipeline corridor to the Federal 298-13-1 pad. The temporary surface frac lines will be used to support remote frac and flowback operations for the sixteen (16) proposed wells on the Federal 298-13-1 pad. Water used for well completion operations will be pumped to the Federal RGU 23-7-297 pad via two (2) existing six-inch (6") FlexSteel water pipelines. Pipeline routes are shown on **Attachment "A", Plan of Development Map**. Please see **Table 3, Proposed Pipeline Details**, for additional information regarding the proposed temporary surface pipelines.

PROPOSED DRILLING OPERATIONS

Drilling operations on the Federal 298-13-1 pad will be conducted in a manner that minimizes the potential impacts to public health, safety, the environment, and wildlife resources. A closed loop drilling system will be used during drilling of all proposed wells on the Federal 298-13-1 pad.

Drill cuttings generated during drilling operations on the Federal 298-13-1 pad will be managed within a cuttings trench northeast of the oil and gas location. The cuttings trench will be approximately two hundred and eleven feet (211') in length by one hundred and thirty-five feet (135') in width, and with a depth of approximately nineteen feet (19'). Drill cuttings volumes are estimated at seven hundred and twenty cubic yards (720cy) per well, with a total drill cuttings volume of eleven thousand five hundred and twenty cubic yards (11,520cy). The cuttings trench has been designed with a maximum capacity of fifteen thousand one hundred and ninety cubic yards (15,190cy). The cuttings trench will be constructed with a two- and one-half foot (2.5') high perimeter berm to ensure containment of drill cuttings. A wildlife escape ramp will be constructed in the northwest corner within the cuttings trench to ensure wildlife can easily get out of the trench if entry occurs. Please see the Waste Management Plan attached to the amended Form 2A for more specific details regarding management of cuttings, including sampling protocol, as required by COGCC Rule 304.c.(11).

Source Water for Drilling Operations

Fresh water required for drilling operations (surface, intermediate, and production casing) and dust control, will be transported by truck from the Mautz Ranch Fresh Water Pond. The Mautz Ranch Fresh Water Pond is located along Ryan Gulch on TEP property north of County Road 86. Water trucks will utilize existing county and lease roads and will follow existing truck routes where applicable. The intake on the water pumps at the source locations will be fitted with a quarter inch (0.25") mesh screen to prevent impacts to aquatic wildlife. TEP estimates that approximately 4,688bbls of fresh water will be used for drilling operations and dust control per well. Please see the Water Plan attached to the amended Form 2A for more specific details regarding water sources and source water characteristics as required per COGCC Rule 304.c.(18).

PROPOSED WELL COMPLETION OPERATIONS

Well completion operations will be conducted remotely from the existing Federal RGU 23-7-297 pad. Water will be transported to the Federal RGU 23-7-297 pad via two (2) existing six-inch (6") FlexSteel

water pipelines. Temporary completions equipment including frac tanks, blenders, and pumps will be temporarily staged on the Federal RGU 23-7-297 pad during well completion operations. TEP will install temporary surface frac lines from the Federal RGU 23-7-297 pad to the Federal 298-13-1 pad as described in the Temporary Pipeline section above.

Flowback operations will occur on the Federal 298-13-1 pad. Returned stimulation fluids generated during flowback operations will be processed through two (2) four (4) phase separators to separate gas, water, condensate, and any solids. Water will be reused during future well completion operations on the Federal 298-13-1 pad or transported via pipelines to a TEP operated produced water management facility. SIMOPS will be employed during development of the sixteen (16) proposed wells, in which drilling and hydraulic fracturing will occur at the same time on the well pad. Well completion operations can begin once drilling is complete for the first group(s) of wells and the drilling rig has moved out from over top of these wells providing enough space for the completions crew to safely work on the newly drilled wells.

The sixteen (16) proposed wells on the Federal 298-13-1 pad are currently designed to be completed without the use of frac sand/proppant. TEP may elect to add frac sand to the stimulation design in the future upon further reservoir and production analysis.

Federal 298-13-1 Pad Flowback Equipment

The following equipment will be temporarily installed on Federal 298-13-1 pad and operated during well flowback operations of the proposed wells on the Federal 298-13-1 pad:

1. Two (2) High Pressure Four Phase Separator
2. One (1) Low Pressure P-Tank
3. Three (3) Enclosed Water Tanks
4. One (1) Water Pump
5. One (1) Enclosed Combustion Device (Low Pressure)

Federal RGU 23-7-297 Temporary Frac Equipment

The following equipment will be temporarily installed on the Federal RGU 23-7-297 pad and operated during well completion operations for the proposed wells on the Federal 298-13-1 pad:

1. Fourteen (14) Completions Pumps
2. Forty-six (46) Five Hundred Barrel (500bbl) Frac Tanks
3. One (1) Blender (only when proppant is used)
4. Three (3) Sand Silos (only when proppant is used)
5. One (1) Water Transfer Pump
6. One (1) Enclosed Combustion Device

Source Water for Completion Operations

Well completion operations will be conducted utilizing recycled produced water from other producing natural gas wells operated by TEP, which is stored and managed at TEP's existing produced water management facilities in Ryan Gulch. Recycled produced water will be transported from three (3) TEP owned and operated produced water management facilities including the proposed Pitcher's Mound Water Recycling Facility, the existing Mautz Ranch Multi-Well Pit, and the existing Northeast Ryan Gulch Water Recycling Facility. Recycled produced water will be pumped from each facility to the Federal RGU 23-7-297 pad during well completion operations via existing pipeline infrastructure. Please see the Water Plan

attached to the amended Form 2A for more specific details regarding water sources as required per COGCC Rule 304.c.(18).

Temporary Road Closures

TEP may temporarily close the existing lease road between the Federal 298-13-1 pad and the Federal RGU 23-7-297 pad to public traffic during certain well completions operations. A road closure sign will be placed at either end of the access road during periods where the road is temporary closed to public traffic.

PROJECT DISTURBANCE

Development of the sixteen (16) proposed wells on the Federal 298-13-1 pad involves the reconstruction and expansion of the existing Federal 298-13-1 oil and gas location to support drilling, completion, and long-term production operations, the construction of one (1) new natural gas gathering pipeline, the construction of one (1) new produced water pipeline, and the utilization of other existing facilities (including the Federal RGU 23-7-297 pad) to support well completion operations.

The existing 2.77-acre Federal 298-13-1 pad will be reconstructed and expanded to a 7.52-acre footprint to support drilling and completion operations of the sixteen (16) proposed directional wells. The long-term disturbance, or the disturbance required for long-term production operations, attributed to the Federal 298-13-1 pad will be approximately 1.89-acres. All proposed disturbance will be located on Federal surface.

The existing 5.69-acre Federal RGU 23-7-297 pad will be utilized to support remote well completion operations associated with the sixteen (16) proposed wells on the Federal 298-13-1 pad. This pad is currently built and will not be expanded from its current footprint. The long-term disturbance attributed to the Federal RGU 23-7-297 pad will be 1.91-acres.

The proposed pipeline corridors associated with development of the proposed wells on the Federal 298-13-1 pad will create approximately 0.09-acres of surface disturbance. All proposed pipeline disturbance would be located within the existing pipeline corridor and would not create any additional new disturbance. There is no long-term disturbance attributed to the proposed pipeline corridor since the entire rights-of-ways will be reclaimed following completion of pipeline installation. All proposed surface disturbance associated with permanent pipeline installation will be located on Federal surface.

TEP will also need to install temporary surface pipelines between the proposed well pad and the Federal RGU 23-7-297 pad to support remote well completion operations. No ground disturbance activities are planned during installation or removal of the proposed temporary surface pipelines.

The total surface disturbance associated with development of the Federal 298-13-1 pad and associated facilities is approximately 13.30-acres, all of which will be located on Federal surface. Of the 13.30-acres of disturbance, 8.55-acres will be within areas of existing disturbance or areas disturbed by previous development activities. Approximately sixty-four percent (64%) of the total disturbance acreage will be on lands previously disturbed. The long-term disturbance, or disturbance remaining after interim reclamation, will be approximately 3.80-acres.

Please see **Table 5, Proposed Disturbance for Project Components**, shows the proposed surface disturbance acreage for each component of the development plan.

Table 5. Proposed Disturbance of Project Components

<i>Project Component</i>	<i>Surface Ownership</i>	<i>Number or Length (feet) (Federal/Private)</i>	<i>Existing Disturbance (acres) (Federal/Private)</i>	<i>Re-disturbance (acres) (Federal/Private)</i>	<i>New Disturbance (acres) (Federal/Private)</i>	<i>Total Short-Term Disturbance (acres) (Federal/Private)</i>	<i>Long Term Disturbance (acres) (Federal/Private)</i>
Well Pad(s)							
Federal 298-13-1	Federal	1/0	0.85/0[0.85]	1.92/0[1.92]	4.75/0[4.76]	7.52/0[7.52]	1.89/0[1.89]
Subtotal		1/0	0.85/0[0.85]	1.92/0[1.92]	4.75/0[4.76]	7.52/0[7.52]	1.89/0[1.89]
Pipelines							
Proposed 8-inch Gas Pipeline	Federal	485/0[485]	0/0[0]	0.04/0[0.05]	0/0[0]	0.04/0[0.04]	0/0[0]
Proposed 6-inch Water Pipeline	Federal	65/0[65]	0/0[0]	0.05/0[0.05]	0/0[0]	0.05/0[0.05]	0/0[0]
Subtotal		550/0[550]	0/0[0]	0.09/0[0.09]	0/0[0]	0.09/0[0.09]	0/0[0]
Support Pad(s)							
RGU 23-7-297 Pad	Federal	1/0	5.69/0[5.69]	0/0[0]	0/0[0]	5.69/0[5.69]	1.91/0[1.91]
Subtotal		1/0	5.69/0[5.69]	0/0[0]	0/0[0]	5.69/0[5.69]	1.91/0[1.91]
Grand Total (Fed/Fee)¹			6.54/0[6.54]	2.01/0[2.01]	4.75/0[4.75]	13.30/0[13.30]	3.80/0[3.8]

¹ Approximately 64% of the proposed project disturbance would be on land previously disturbed.

² The Federal RGU 23-7-297 pad is an existing oil and gas location that was built to support future drilling and completion operations.

PROPOSED SURFACE RECLAMATION

Interim reclamation of the oil and gas location will begin within six (6) months following completion of drilling and well completion operations or during the following growing season, depending on weather conditions and project scheduling. TEP has prepared a Reclamation Plan which describes the methods to be employed during interim reclamation of the Federal 298-13-1 pad and pipeline corridor following completion of construction, drilling, and/or well completion operations. This plan also describes the methods to be employed during final reclamation once all wells on the location have been plugged and abandoned. The reclamation plan also describes how reclamation monitoring will be conducted in compliance with Federal and state regulations. Please see the Reclamation Plan attached to the amended Form 2A for additional details.

Additionally, TEP has prepared a Topsoil Protection Plan which describes the process planned for segregating topsoil and organic matter during initial construction and replacing this material during interim reclamation to provide a suitable medium for re-establishment of desirable vegetation. Please see the Topsoil Protection Plan attached to the amended Form 2A for additional details. A Stormwater Management Plan has also been attached to the amended Form 2A providing details on how stormwater will be managed following reclamation of the oil and gas location.

SURFACE OWNERSHIP

Implementation of the development plan described above will occur entirely on Federal surface administered by the BLM. TEP has consulted with BLM regarding the proposed development activities at the Federal 298-13-1 pad. TEP will submit Federal ROW grants and Applications for Permit to Drill (APDs) concurrently with the submission of the Ryan Gulch Phase 2 OGD.

Table 6. Surface Ownership Information

Project Components	Surface Owner	Fee Owner Name	Fee Owner Address	Fee Owner Phone
Federal 298-13-1 RGU 23-7-297 Pad (Frac Pad) Proposed Gas Pipeline Proposed Water Pipeline Proposed Temp. Frac Pipelines Existing Access Road	Federal	Bureau of Land Management White River Field Office	220 E. Market St. Meeker, Colorado 81641	970-878-3800

BLM Rights-of-Way (ROW)/Temporary Use Permit (TUP) Requirements:

The following ROW/TUPs would be required for proposed activities located on BLM surface:

1. *BLM Right-of-Way Grant (TUP) for Proposed Frac Pipelines:* Existing grant (COC-80220) includes the five (5) four and one half inch (4.5") steel temporary surface frac pipelines located on BLM property within Lot 15 and 18 of Section 7, Township 2 South, Range 97 West, 6th P.M.
2. *BLM Right-of-Way Grant (TUP) for RGU 23-7-297 Frac Pad:* Existing grant (COC-80226) includes the use of the existing RGU 23-7-297 pad, located within Lot 15 and Lot 16 of Section 7, Township 2 South, Range 97 West, 6th P.M., for temporary installation and operation of well completion equipment for the proposed well on the Federal 298-13-1 pad.
3. *BLM Right-of-way Grant (MLA) for Proposed Eight-Inch (8") Natural Gas Pipeline:* Grant includes the installation, operations, maintenance, removal and/or abandonment of the proposed eight-inch (8") natural gas pipeline to be installed on BLM property within Lot 12 of Section 13, Township 2 South, Range 98 West, 6th P.M.

Private Landowner Surface Use Agreements (SUA)/ROWs:

Development of the proposed wells on the Federal 298-13-1 pad does not require any private landowner SUAs or ROW.

STIPULATIONS

The proposed Federal 298-13-1 pad, gas pipeline, water pipeline, existing Federal RGU 23-7-297 pad (frac pad), and temporary surface frac lines will be located on Federal surface overlying Federal minerals. The sixteen (16) proposed wells planned for development from the Federal 298-13-1 pad will be directionally drilled into Federal Lease COC-0003453. All of the proposed wells are located outside of the Ryan Gulch Unit. All proposed wells planned for development on the Federal 298-13-1 pad will be on-lease well; therefore, a site ROW is not required for development of the oil and gas location. All required ROW grants will be subject to applicable stipulations described in the 2015 White River Field Office Approved Resource Management Plan Amendment for Oil and Gas Development. Applicable stipulations will be applied to the approved Application for Permits to Drill and/or Right-of-Ways associated with this development.

Big Game Winter Range Timing Limitation: February 1 – March 30 Annually; A Big Game Winter Range Timing Limitation exception request will be required prior to winter operations.

RESOURCE SURVEYS

Resource surveys are required for all components of the Federal 298-13-1 development plan. The following surveys have been completed by a BLM approved contractor:

1. Special Status Species Plant Survey: Completed 2021
2. Noxious Weed Survey: Completed 2021
3. Wildlife Survey: Completed 2021
4. Cultural Survey: Completed 2021
5. Wetlands Survey: Completed 2021

COGCC OIL AND GAS LOCATION ASSESSEMENT REVIEW

Local Government Siting Disposition (Rule 304.b.(1))

The proposed Federal 298-13-1 pad is located in Lot 9, 11, and 12 of Section 13, Township 2 South, Range 98 West, 6th P.M. on public lands administered by BLM, in Rio Blanco County, Colorado. TEP contacted Rio Blanco County, the Relevant Local Government with jurisdiction over the siting of oil and gas locations within the county and has determined that Rio Blanco County is the Relevant Local Government with land use authority over the siting of this oil and gas location.

As described in Article 3, Section 3-202 of the Rio Blanco County Land Use Code, “Oil and Gas Operations – No Significant Impact” on lands zoned as Agricultural would require an Administrative Review by Rio Blanco County. Per Article 9, Section 9-106 of the Land Use Regulations, TEP is required to submit a Well Pad Special Use / Building Permit (“SUBP”) for approval of the Federal 298-13-1 pad. Additionally, Bargath is required to submit a Pipeline Special Use / Building Permit (“SUBPP”) for the proposed natural gas pipeline. TEP will seek approval of the required Rio Blanco County Permits concurrently with submittal of the Ryan Gulch Phase 2 OGD and associated Form 2As.

The Local Government Designee for Rio Blanco County is Edward Smercina. The contact information is listed below.

Table 6. Local Government Designee Contact Information

Relevant Local Government	Zoning	LGD	Phone	Email
Rio Blanco County, Colorado	Agriculture	Edward Smercina	(970) 878-9586	edward.smercina@rbc.us

Alternative Location Analysis (Rule 304.b.(2))

As described under Rule 304.b.(2).A, an Alternative Location Analysis (“ALA”) is only required for an Oil and Gas Location that “meets any of the criteria listed in Rule 304.b.(2).B.

1. Working Pad Surface is within 2000 feet of Residential Building Unit: No
2. Working Pad Surface is within 2000 feet of HOBUs: No
3. Working Pad Surface is within 2000 feet of School Facility: No
4. Working Pad Surface is within 2000 feet of Child Care Center: No
5. Working Pad Surface is within 1500 feet of DOAA: No
6. Working Pad Surface is within 2000 feet of Municipal or County Boundary: No
7. Working Pad Surface is within a Floodplain: No
8. Working Pad Surface is within 2000 feet of Residential Building Unit: No
9. Oil and Gas Location is within a Surface Water Supply Area: No
10. Oil and Gas Location is within 2640 feet of a Type III Well or GUDI Well: No
11. Oil and Gas Location is within boundary or immediately upgradient of wetland / riparian: No
12. Oil and Gas Location is within High Priority Habitat: No
13. Surface Owner Protection Bond Proposed to Access the Oil and Gas Location: No
14. Working Pad Surface is within 2000 feet of RBU, HOBUs, or School Facility within a DIC: No

Per Rule 304.b.(2), an Alternative Location Analysis is not be required for the Federal 298-13-1 pad.

Cultural Distances (Rule 304.b.(3))

TEP has a map of cultural features within one (1) mile and a table describing the distance from the edge of the proposed working pad surface to the edge or corner of the nearest building, Residential Building Unit, High Occupancy Building Unit, and School Facility; the nearest boundary of a Designated Outside Activity Area; and the nearest public road, above ground utility, railroad, and property line. Any distances that are in excess of one (1) mile from the proposed working pad surface have been noted as greater than one (1) mile (>5280).

TEP did not identify any building, High Occupancy Building Units, School Properties and Facilities, Designated Outdoor Activity Areas, Child Care Centers, or Disproportionately Impacted Communities within one (1) mile of the working pad surface of the Federal 298-13-1 pad.

Please see Cultural Distance Map and Table attached to the amended Form 2A, for additional information required under Rules 304.b.(3).A and Rule 304.b.(3).B.

Location Pictures (Rule 304.b.(4))

As required by Rule 304.b.(4).A, four (4) color photographs of the staked Federal 298-13-1 pad location where taken on September 28, 2021 in each cardinal direction. Additionally, TEP has prepared a map that indicates the field of view for each photograph. Please see the Location Photographs and Location Photograph Field of View Map attached to the amended Form 2A for additional details.

Site Equipment List (Rule 304.b.(5))

Please see Table 4, Production Equipment Details, in the Proposed Production Facilities section above for a description of the proposed equipment to be utilized on the Federal 298-13-1 pad during production operations.

Temporary equipment for well completion operations is summarized in the Proposed Well Completions Operations section above.

Flowline Descriptions (Rule 304.b.(6))

Please see Table 3, Proposed Pipeline Details, in the Proposed Pipeline section above for a description of the proposed on-location and off-location flowlines planned for installation during development of the Federal 298-13-1 pad.

Drawings (Rule 304.b.(7))

TEP has prepared and attached the following drawings, maps, and figures to the COGCC amended Form 2A as required by Rule 304.b.(7) and applicable guidance:

- A. Location Drawings
- B. Layout Drawings:
 - a. Construction Layout
 - b. Wellhead Detail
 - c. Construction Layout Cross Sections
 - d. Drilling Rig Layout
 - e. Final Construction Grading
 - f. Well Completion Support Pad and Surface Flowline Drawing
 - g. Preliminary Well Completion and Stimulation Layout Drawing of the RGU 23-7-297 Pad
 - h. Preliminary Flowback Equipment Layout Drawing
 - i. Oil and Gas Facilities Layout Drawing – Site Construction
 - j. Interim Reclamation Layout
 - k. Interim Reclamation Layout Cross Section
 - l. Oil and Gas Facilities Layout Drawing – Interim Reclamation
- C. Wildlife Habitat Drawings (Aerial & Topo)
- D. Process Flow Diagrams
 - a. Well Completion Operations
 - b. Flowback Operations
 - c. Production Operations
- E. Hydrology Map
- F. Access Road Map
 - a. Access Road Overview Map
 - b. Access Road Detail Maps
 - c. Haul Route Map
- G. Related Location and Flowline Map
- H. Directional Well Plat & Wellhead Detail
- I. Geologic Hazard Map

Geographic Information System Data (Rule 304.b.(8))

Geographic Information System (“GIS”) data depicting the outer boundary (limit of disturbance) of the entire proposed Oil & Gas Location and the working pad surface (pad edge) of the Federal 298-13-1 pad

has been attached to the amended Form 2A. The GIS data has been provided in shapefile format in NAD 1983 State Plane Colorado Central FIPS 0502 and as a KMZ file.

Land Use Description (Rule 304.b.(9))

The proposed reconstructed Federal 298-13-1 pad is located on Federal surface administered by the BLM within Lots 9, 11, and 12 of Section 13, Township 2 South, Range 98 West, 6th P.M., Rio Blanco County, Colorado. Rio Blanco County has a zoning designation of Agricultural for this property. The current land use for this property is considered rangeland / recreational. The property in the immediate vicinity of the Oil and Gas Location is primarily used for cattle grazing but is also periodically used for recreation, including hunting. The surface owner does not intend to modify the current land use. Therefore, the final land use designation will remain as rangeland / recreational.

As described in Article 3, Section 3-202 of the Rio Blanco County Land Use Code, “Oil and Gas Operations – No Significant Impact” on lands zoned as Agricultural would require an Administrative Review and submittal of a Well Pad Special Use / Building Permit and therefore Rio Blanco County approval is required for the proposed activities. Additionally, Bargath is required to submit a Pipeline Special Use / Building Permit (“SUBPP”) for the proposed natural gas pipeline. TEP will submit the required Rio Blanco County Permits concurrently with submittal of the Ryan Gulch Phase 2 OGDG and associated Form 2As.

WestWater Engineering, Inc conducted a Biological Survey in May 2021 and prepared a Biological Survey Report summarizing the findings from the survey. This report also includes a vegetation assessment conducted in June 2021 and a list of dominant vegetation within the reference area as required per Rule 304.b.(9). The reference area map showing the location of the reference area has been attached to the amended Form 2A. The reference area pictures were collected by WestWater Engineering during the survey on June 9, 2021, and have been attached to the amended Form 2A.

NRCS Map Unit Description (Rule 304.b.(10))

The Nation Resources Conservation Service (NRCS) soil map unit description(s) have been attached to the Oil and Gas Location Assessment (amended Form 2A) as required by Rule 304.b.(10). A soils map has also been prepared and included with the amended Form 2A.

Best Management Practices (Rule 304.b.(11))

COGCC 100 Series Rule defines Best Management Practices (BMPs) as “...practices that are designed to prevent or reduce impacts caused by oil and gas operation to public health, safety, welfare, the environment, and wildlife.” TEP is committed to conducting operations in a manner that is protective to these resources and has included BMPs in several of the attached plans to describe practices that will be employed during development of the Federal 298-13-1 well pad. Furthermore, TEP has consulted with the Bureau of Land Management (“BLM”), Colorado Parks and Wildlife (“CPW”), and the associated surface owners regarding activities described in this Plan of Development.

Surface Owner Information (Rule 304.b.(12))

Please see the Surface Ownership section above for a detailed summary of surface ownership within the scope of the Federal 298-13-1 development project.

Proximate Local Government Information (Rule 304.b.(13))

During development planning for the proposed Federal 298-13-1 pad, TEP did not identify any Proximate Local Governments, or Local Governments within 2,000 feet of the proposed Oil and Gas Location. The Relevant Local Government is Rio Blanco County as mentioned above.

Wetlands (Rule 304.b.(14))

WestWater Engineering (“WestWater”) conducted an assessment in May 2021 to determine any potential direct impacts to wetland, Waters of the U.S. (“WoUS”), or Waters of the State (“WoS”) associated with development of the Federal 298-13-1 pad or the associated facilities. During the assessment, WestWater did not identify any potential WoUS/WoS that would be directly impacted by the proposed activities; therefore, the proposed activities do not require approval by the US Army Corps of Engineers (“USACOE”). As shown on the Hydrology Map attached to the amended Form 2A, there are two (2) potential wetlands (riverine) identified by the National Wetland Inventory (“NWI”) database within 2,640’ of the oil and gas location. Only one (1) is located downgradient of the oil and gas location. This potential wetland is an intermittent channel classified as riverine, intermittent channels that are seasonally flooded (R4SBC). This intermittent channel is located 2,884 feet downgradient to the north side of the Federal 298-13-1 pad and would not be directly impacted by proposed operations. Best Management Practices (BMPs), including adequate barriers and filtration methods, will be used to prevent soil erosion and sedimentation of the intermittent stream. Please see the Biological Survey prepared by WestWater for additional details.

School and Child Care Centers (Rule 304.b.(15))

During initial planning for the Federal 298-13-1 pad, TEP reviewed Rio Blanco County assessor information and the Colorado Department of Human Services childcare facility database to determine if any School Facilities or Child Care Centers were within 2,000 feet of the proposed Oil and Gas Location. This review determined that there are no School Facilities or Child Care Centers within 2,000 feet of the Federal 298-13-1 pad.

Emergency Spill Response Program (Rule 304.c.(1))

The Working Pad Surface of the Federal 298-13-1 pad is not within 2,640 feet of a GUDI well, a Type III Well as defined by Rule 411.b.(1).B and 411.b.(1).D, or a surface water feature segment that is fifteen (15) miles or less upstream from a Public Water System intake. TEP overlaid the available GUDI well and Type III Well data from the COGCC to determine if the proposed operations would be within 2,640 feet of these well. Additionally, TEP identified the Public Water System intake locations downstream of the Federal 298-13-1 pad and determine that all proposed operations will not fall within 15 stream miles of an active Public Water System intake.

Based on TEP evaluation, a site-specific Emergency Spill Response Plan is not necessary for planned operations at the Federal 298-13-1 pad. However, TEP has implemented and maintains a Spill Prevention, Control and Countermeasure Plan (SPCC), which is a basin wide emergency spill response plan as required by Title 40, Code of Federal Regulations, Part 112 (40 CFR 112) as administered by the U.S. Environmental Protection Agency. This plan describes measures implemented by TEP to prevent oil discharges from occurring and response measure to mitigate the impacts of a potential discharge. TEP has also implemented and maintains a Drilling and Workover Facilities Integrated Spill Prevention, Control, and Countermeasures Plan, as required by 40 CFR Part 112.10, which describes measures to prevent spills and releases during drilling, completions, and workover operations.

Noise Mitigation Plan (Rule 304.c.(2))

TEP is requesting an exemption to the Noise Mitigation Plan required under Rule 304.c.(2) pursuant to Rule 304.d Lesser Impact Areas. Please see the Lesser Impact Area Exemption Request attached to the amended Form 2A for more details.

Light Mitigation Plan (Rule 304.c.(3))

TEP is requesting an exemption to the Light Mitigation Plan required under Rule 304.c.(3) pursuant to Rule 304.d Lesser Impact Areas. Please see the Lesser Impact Area Exemption Request attached to the amended Form 2A for more details.

Odor Mitigation Plan (Rule 304.c.(4))

The Federal 298-13-1 pad is located in a remote area of Rio Blanco County, Colorado, which is made up of large tracts of public and private land generally used for resource development, ranching, recreation, and hunting. The working pad surface of the proposed oil and gas location is not within 2,000 feet of a Building Unit or Designated Outside Activity Area. The nearest building unit is greater than one (1) mile from the proposed working pad surface. Based on this information, the Odor Mitigation Plan is not required per Rule 426.a.

Dust Mitigation Plan (Rule 304.c.(5))

TEP has prepared a Dust Mitigation Plan as required per Rule 304.c.(5) and has attached it to the amended Form 2A for review by the Director and the Commission.

Transportation Plan (Rule 304.c.(6))

As mentioned above, the reconstructed Federal 298-13-1 pad will be located within Lot 9, Lot 11, and Lot 12 of Section 13, Township 2 South, Range 98 West, 6th P.M. within Rio Blanco County, Colorado. Rio Blanco County is the Relevant Local Government with jurisdiction over siting of oil and gas locations. Per Rio Blanco County Land Use Regulation, a Well Pad Special Use / Building Permit application is required to be submitted for approval by the county. During review of the application requirements a Transportation Plan or Traffic Study is not required as part of the application for this location. Therefore, TEP has not prepared a Transportation Plan per Rule 304.c.(6).

Operations Safety Management Plan (Rule 304.c.(7))

TEP has prepared an Operations Safety Management Plan as required per Rule 304.c.(7) and has attached it to the amended Form 2A for review by the Director and the Commission.

Emergency Response Plan (Rule 304.c.(8))

TEP has prepared an Emergency Response Plan as required per Rule 304.c.(8) and has attached it to the amended Form 2A for review by the Director and the Commission.

Flood Shut-in Plan (Rule 304.c.(9))

TEP reviewed floodplain data made available by Rio Blanco County, Colorado and the Federal Emergency Management Administration (FEMA) and has determined that the Federal 298-13-1 pad is not located within a floodplain, and therefore a Flood Shut-in Plan is not required for this permit application.

Hydrogen Sulfide Drilling Plan (Rule 304.c.(10))

A hydrogen sulfide drilling plan (H₂S) has not been prepared and is not required for the Federal 298-13-1 pad, as TEP does not expect to encounter H₂S during drilling of the proposed well on this oil and gas location.

Waste Management Plan (Rule 304.c.(11))

TEP has prepared a Waste Management Plan as required per Rule 304.c.(11) and has attached it to the amended Form 2A for review by the Director and the Commission.

Gas Capture Plan (Rule 304.c.(12))

TEP intends to produce natural gas for market sale from the proposed well on the Federal 298-13-1 pad. Bargath will install an eight-inch (8”) steel natural gas gathering line from the proposed manifold near the separators on the Federal 298-13-1 pad to the tie-in point on the existing sixteen-inch (16”) Bargath gas pipeline located south of the oil and gas location adjacent to the existing access road (BLM 1019). Please see the Proposed Pipeline section above and Attachment A, Plan of Development Map, for additional details.

As described above, TEP commits to connecting to our midstream partners gas gathering system prior to commencement of production operations per COGCC Rule 903.e.(1).A.

Fluid Leak Detection Plan (Rule 304.c.(13))

TEP has prepared a Fluid Leak Detection Plan as required per Rule 304.c.(13) and has attached it to the amended Form 2A for review by the Director and the Commission.

Topsoil Protection Plan (Rule 304.c.(14))

TEP has prepared a Topsoil Protection Plan as required per Rule 304.c.(14) and has attached it to the amended Form 2A for review by the Director and the Commission.

Stormwater Management Plan (Rule 304.c.(15))

TEP has prepared a Stormwater Management Plan as required per Rule 304.c.(15), including stormwater control exhibits depicting preliminary placement control measures. This plan has been attached to the amended Form 2A for review by the Director and the Commission.

Reclamation Plan (Rule 304.c.(16))

TEP has prepared an Interim Reclamation Plan as required per Rule 304.c.(16) and has attached it to the amended Form 2A for review by the Director and the Commission.

Wildlife Protection Plan (Rule 304.c.(17))

The Federal 298-13-1 pad is located outside of all High Priority Habitat boundaries identified by COGCC. TEP has prepared a Wildlife Protection Plan as required per Rule 304.c.(17) and has attached it to the amended Form 2A for review by the Director and the Commission. Compensatory mitigation is not required for the proposed oil and gas location. Additionally, TEP is not requesting any waivers to the COGCC 1200 series rules.

Water Plan (Rule 304.c.(18))

TEP has prepared a Water Plan as required per Rule 304.c.(18) and has attached it to the amended Form 2A for review by the Director and the Commission.

Cumulative Impacts Plan (Rule 304.c.(19))

Edge Environmental has reviewed the proposed development plan for the Federal 298-13-1 pad and has prepared a Cumulative Impacts Plan as required per Rule 304.c.(19). The Cumulative Impacts Plan has been attached to the amended Form 2A for review by the Director and the Commission.

Community Outreach Plan (Rule 304.c.(20))

The Federal 298-13-1 pad is located in a remote area of Rio Blanco County, Colorado, which is made up of large tracts of public and private land general used for resource development, ranching, recreation, and hunting. The working pad surface of the proposed oil and gas location is not within 2,000 feet of a

Residential Building Unit, High Occupancy Building Unit, or School Facility located within a Disproportionately Impacted Community. Therefore, the Community Outreach Plan is not required per Rule 426.a.

Geologic Hazard Plan (Rule 304.c.(11))

TEP's geologist have reviewed the proposed development plan for the Federal 298-13-1 pad and has determined that there are no known Geologic Hazards within the proposed site. Please see the attached Geologic Hazards Map which includes a report with a detailed review of geologic hazards within the vicinity of the proposed pad location.

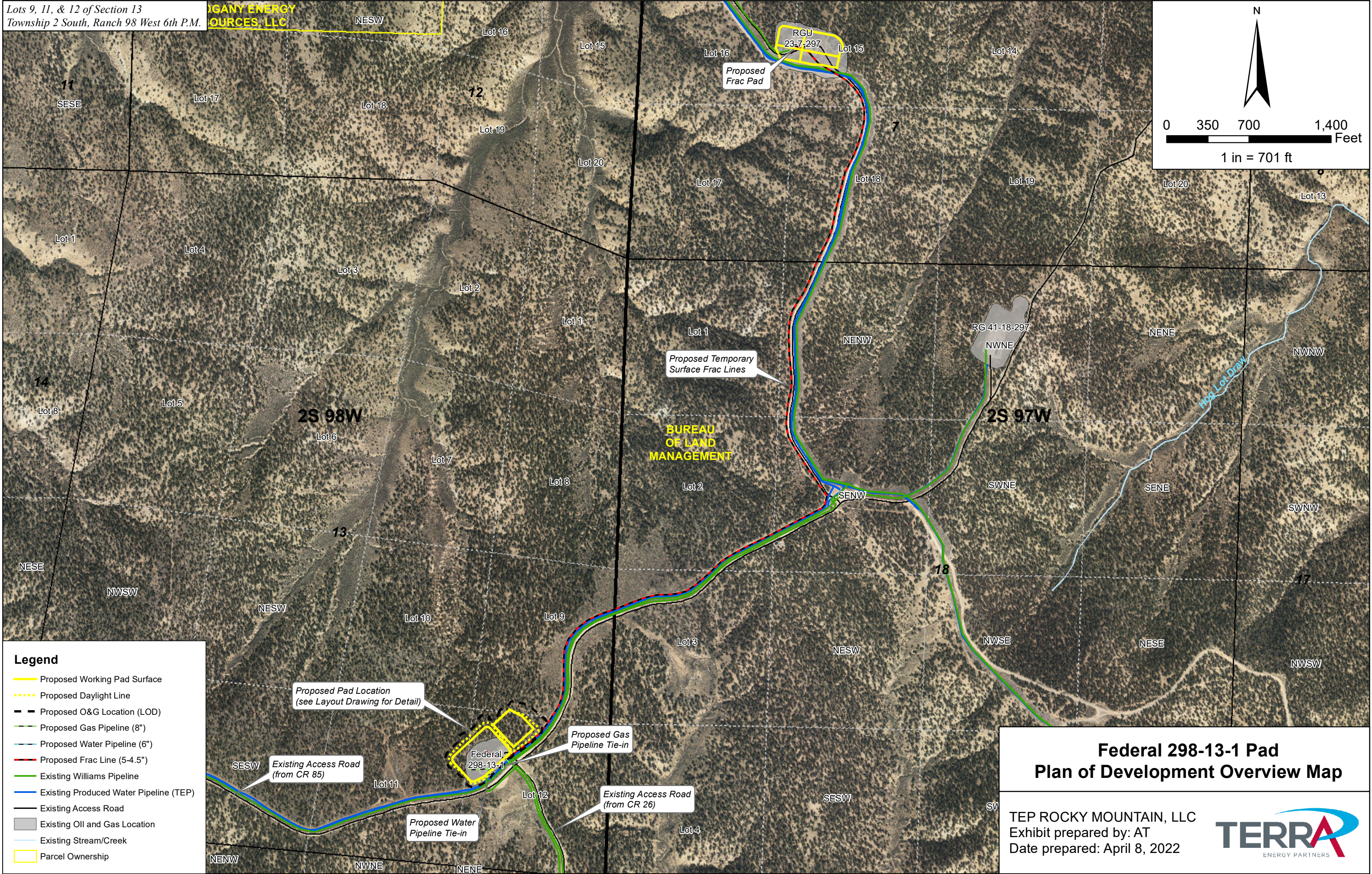
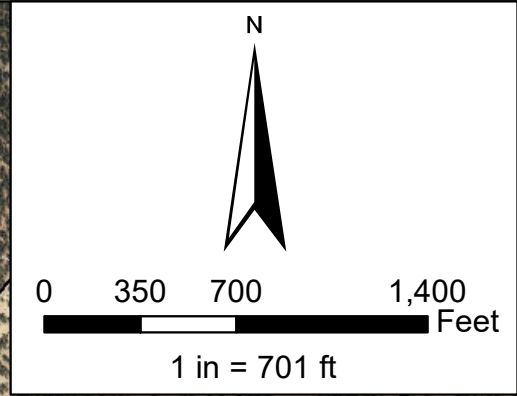
Lesser Impact Area (Rule 304.d.)

TEP is requesting a Lesser Impact Area Exemption for the Noise Mitigation Plan and Lighting Mitigation Plan required per Rule 304.b. and has attached a Lesser Impact Area Exemption Request to the amended Form 2A describing the basis for the exemption request.

ATTACHMENT A
FEDERAL 298-13-1 DRILL PAD
PLAN OF DEVELOPMENT OVERVIEW MAP

Lots 9, 11, & 12 of Section 13
Township 2 South, Ranch 98 West 6th P.M.

OGANY ENERGY
SOURCES, LLC



Legend

- Proposed Working Pad Surface
- Proposed Daylight Line
- Proposed O&G Location (LOD)
- Proposed Gas Pipeline (8")
- Proposed Water Pipeline (6")
- Proposed Frac Line (5-4.5")
- Existing Williams Pipeline
- Existing Produced Water Pipeline (TEP)
- Existing Access Road
- Existing Oil and Gas Location
- Existing Stream/Creek
- Parcel Ownership

**Federal 298-13-1 Pad
Plan of Development Overview Map**

TEP ROCKY MOUNTAIN, LLC
Exhibit prepared by: AT
Date prepared: April 8, 2022

TERRA
ENERGY PARTNERS