

Federal WMC 24-17 Pad

Pre-Application Formal Consultation Summary



INTRODUCTION

During the initial planning phase of the Federal WMC 24-17 Pad, a pre-application consultation process occurred between representative of the Colorado Oil and Gas Conservation Commission (“COGCC”), the Bureau of Land Management (“BLM”), Colorado Parks and Wildlife (“CPW”), Garfield County (“GarCo”) and TEP Rocky Mountain LLC (“TEP”) as described in COGCC Rule 301.f.(3). The purpose of pre-application consultation was to review and discuss the proposed Oil and Gas Development Plan and siting consideration, potential impact to resources within the project area, conditions of approval, Best Management Practices (“BMPs”), and the general permitting process and timing of proposed development. Pre-application consultation provides the opportunity for collaboration between the operator and regulatory agencies.

Summary of October 16, 2020 Pre-Application Consultation

BLM’s wildlife biologist and representatives from CPW were not available to attend prior onsite. Therefore, a follow up onsite was held on October 16, 2020, to review the proposed project with BLM and CPW and discuss any potential impacts to wildlife. The group met at the Caerus O-18 Pad and hiked the proposed access road to the WMC 24-17 pad location. The following outlines the main topic of discussion during the onsite and a summary of how the recommendations or requested changes were resolved:

- BLM and CPW both reviewed the project prior to the onsite and determined that there are no wildlife related concerns regarding the siting of the proposed WMC 24-17 Pad, proposed access road, or pipeline corridor.
- BLM will require raptor/bird surveys prior to any construction, drilling, or completions activities planned to occur during the raptor nesting season or the BOCC-nesting season.
- CPW and TEP discussed the existing access road crossing on Beaver Creek which is within cutthroat trout designated crucial habitat and native fish and other native aquatic species conservation waters. The following measures were discussed:
 - o Locating a spill response trailer within the vicinity (RU 31-12V Pad) of the creek crossing to ensure spill response materials are immediately accessible in the event of a spill or release.
 - o CPW express concern regarding the use of Magnesium Chloride and fresh water from other sources which could impact the health of aquatic wildlife in Beaver Creek. Water for dust suppression will be pulled directly from Beaver Creek or a potable water source will be used for dust suppression.
 - o Storm water BMPs are in place along the lease road to minimize potential for sediment run off and impacts to aquatic wildlife within the creek.
- BLM and TEP reviewed the vegetation treatment areas adjacent to the proposed pipeline corridor. The two (2) acres of vegetation treatment along the pipeline corridor to satisfy VRM Class III will be defined and flagged during pre-construction onsite.
- BLM has concerns over the size of tanks and suggested using low profile tanks. BLM and TEP agreed to re-evaluated tank heights following initial pad construction to determine the impacts on the visual landscape. Tanks will be located along cut side of the pad and may not have significant impact on visual resources.

CONCULSION

As a standard best practice during initial planning of a proposed oil and gas location, TEP consults with the associated parties to ensure the oil and gas location is sited in a way that minimizes adverse impacts to public health, safety, welfare, the environment, and wildlife resources. Pre-application consultation and site visits are key to ensuring that all parties are informed of the proposed development plan, and have the opportunity to provide feedback prior to the formal application submittal.

Based on discussions with the BLM, COGCC, CPW, and the associated surface owners during the planning process, TEP has revised the development plan to address their concerns and recommendations.

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Pre-Application Consultation BLM Meeting Notes

OCTOBER 16, 2020 PRE-APPLICATION CONSULTATION ONSITE NOTES

Attendees

Terra Energy Partners LLC (TEP): Adam Tankersley, Trevor Burrell, Bryan Hotard, Makayla Grant
BLM: Jim Byers, Sylvia Ringer
Colorado Parks and Wildlife (CPW): Taylor Elm, Elissa Slezak, Danielle Neumann

Discussion

The group parked east of Caerus' O18 pad on TEP parcel and hiked east along the flagged road alignment to the proposed well pad on BLM. The pad lays adjacent to the BLM/USFS property boundary atop Flatiron "Mountain" (named "Mesa") with the limit of disturbance (LOD) staked within 10-15 feet of the surveyed property line. The proposed Federal wells would be drilled into Federal minerals under National Forest land.

The remote frac operations would occur on the existing RU 44-7 and the proposed new gas and produced water pipelines would run north from the NE corner of the WMC 24-17 pad down to the existing RU 23-17 pad and TEP's existing gathering line systems for natural gas and produced water. Temporary surface water lines would also follow the pipeline corridor downhill between the WMC 24-17 and RU 23-17 pads.

No concerns with the WMC 24-17 well site or road alignment were expressed by the wildlife personnel (BLM or CPW). Sylvia pointed out that most recent CPW mapping for big game winter protections takes precedent over any GIS mapping that is shown in the 2015 CRVFO RMP. And the latest CPW mapping does not show any of the immediate WMC 24-17 project area within big game winter range or elk production area so the 5-month winter timing limitation (12/1 thru 4/30) would not apply to the WMC 24-17 access road or pad. However, Jim confirmed with Adam that the winter TL period along BLM road that accesses the RU 44-7 remote frac pad runs from 1/1 thru 4/29, so well completion operations would be subject to the standard Flatiron Mesa winter TL period.

TEP would obtain the appropriate bird survey prior to any construction, drilling or completion work that would occur during the raptor nesting season or the BOCC-nesting season to ensure protections of nesting birds.

Adam pointed out that a steel frame gate would be installed within the existing range fence that the road crosses near the BLM/TEP property line.

Taylor and Adam discussed the cutthroat trout stream buffer for the access road. To address CPW consultation on that matter, the protective measures include:

- 1) The crossing structure at Beaver Creek will not require additional work since the FS had recently improved it.
- 2) There is an emergency spill response kit in close proximity to the RSO habitat (Adam will indicate location).
- 3) For dust suppression, TEP will look into using water from a potable water source in that location to avoid the spread of disease organisms and aquatic nuisance species.
- 4) Adam will work with Dave K to identify the stormwater measures that will be implemented through the RSO area along the access road.