

## Dave Kubeczko - DNR

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**From:** Dave Kubeczko - DNR  
**Sent:** Thursday, March 02, 2017 11:24 AM  
**To:** Dave Kubeczko - DNR  
**Subject:** TEP Rocky Mountain LLC, Chevron TR 32-23-597 Pad, SWNE Sec 23 T5S R97W, Garfield County, Form 2A#401185237 Review

**Importance:** High

**Categories:** Operator Correspondence

Scan No. 2108082      CORRESPONDENCE      2A #401185237

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**From:** Vicki Schoeber [mailto:[VSchoeber@terraep.com](mailto:VSchoeber@terraep.com)]  
**Sent:** Thursday, March 02, 2017 11:03 AM  
**To:** Dave Kubeczko - DNR  
**Subject:** RE: TEP Rocky Mountain LLC, Chevron TR 32-23-597 Pad, SWNE Sec 23 T5S R97W, Garfield County, Form 2A#401185237 Review  
**Importance:** High

Dave,

TEP Rocky Mountain LLC has reviewed the attached proposed COAs for the Chevron TR 32-23-597 Pad Form 2A, and is good with all of them.

Thank you.

Vicki Schoeber

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**From:** Dave Kubeczko - DNR [mailto:[dave.kubeczko@state.co.us](mailto:dave.kubeczko@state.co.us)]  
**Sent:** Thursday, March 02, 2017 9:46 AM  
**To:** Vicki Schoeber <[VSchoeber@terraep.com](mailto:VSchoeber@terraep.com)>  
**Cc:** Jeff Kirtland <[JKirtland@terraep.com](mailto:JKirtland@terraep.com)>  
**Subject:** TEP Rocky Mountain LLC, Chevron TR 32-23-597 Pad, SWNE Sec 23 T5S R97W, Garfield County, Form 2A#401185237 Review  
**Importance:** High

Vicki,

I have been reviewing the TEP Rocky Mountain LLC (TEP) Chevron TR 32-23-597 Pad **Form 2A #401185237**. COGCC would also like to attach the following conditions of approval (COAs) based on the information and data TEP has submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment (OGLA) review.

**Planning:** The following condition of approval (COA) will apply:

**COA 91** - In addition to the notifications required by COGCC listed in the **Northwest Notification Policy (Notice of Intent to Construct a New Location, Notice of Intent to Spud Surface Casing, and Notice of Intent to Commence Hydraulic Fracturing Operations)** and **Rule 316C. COGCC Form 42. FIELD OPERATIONS NOTICE (a. Notice of Intent to Conduct Hydraulic Fracturing Treatment and c. Notice of Construction or Major Change)**; operator shall notify the COGCC 48 hours prior to onsite flowline/pipeline testing (flowlines from wellheads to separators to tanks; and/or any temporary surface lines used for hydraulic stimulation and/or flowback operations) using the Form 42 (as described in **Rule 316C.m. Notice of Completion of Form 2/2A Permit Conditions**). The appropriate COGCC individuals will automatically be email notified.

**COA 95** - Operator shall provide four (4) color photographs of the reference area, taken during the growing season of vegetation and facing each cardinal direction, within twelve (12) months after approval of the Form 2A permit. Each photograph shall be identified by date taken, well or Oil and Gas Location name, and direction of view.

**Construction:** The following conditions of approval (COAs) will apply:

**COA 23** - Operator must ensure secondary containment for any volume of fluids contained at the well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices [BMPs] associated with fluid containment/control as well as stormwater management for the control of run-on and run-off) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals as required by CDPHE (at least every 14 days and after precipitation events), and maintained in good condition.

**COA 24** - The design/build of any perimeter berm or fluid management structures shall be sized, constructed, and compacted sufficiently to contain and/or manage potential fluid releases during operations in a manner that prevents or controls potential sedimentation and scouring on adjacent lands and drainages. Such design/build of perimeter berms or fluid management structures may include, but are not limited to the following: on location berms; diversion ditches; enhanced vegetation; or other design features necessary to achieve the goal of protecting adjacent lands and drainages from potential sedimentation and scouring.

**COA 28** - The location is in an area of moderate to high run-on/run-off potential; therefore standard stormwater BMPs must be implemented; prior to, during, and after well pad location re-construction, as well as during drilling, completion, and production operations; at this location to insure compliance with CDPHE and COGCC requirements and to prevent any stormwater run-on and /or stormwater run-off.

**COA 44** - The access road will be maintained as to not allow sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.

**COA 76** - Strategically apply fugitive dust control measures, including encouraging established speed limits on private or BLM roads, to reduce fugitive dust and coating of vegetation and deposition in water sources.

**COA 58** - Berms or other containment devices (if left onsite at the existing production area to the south) shall be constructed to be sufficiently impervious to contain any spilled or released material around temporary or permanent produced water storage tanks.

**Drilling/Completions:** The following conditions of approval (COAs) will apply:

**COA 11** - The moisture content of water/bentonite based mud (WBM) generated drill cuttings managed onsite shall be kept as low as practicable to prevent accumulation of liquids greater than de minimis amounts. After drilling and completion operations have been completed, the WBM drill cuttings that will remain on the well pad location (cuttings management area, the cut portion of the pad, cuttings trench, dry cuttings drilling pit), must meet the applicable standards of Table 910-1. No liners are allowed to be disposed of with the drill cuttings. After the drill cuttings have been amended (if necessary) and placed on the well pad, sampling frequency of the drill cuttings (to be determined by the operator) shall be representative of the material left on location. No offsite disposal of cuttings to another oil and gas location shall occur without prior approval of a Waste Management Plan (submitted via a Form 4 Sundry Notice) specifying disposal location and waste characterization method. Commercial disposal of drill cuttings will only require notification to COGCC via a Form 4 Sundry Notice.

**COA 25** - Flowback and stimulation fluids must be sent to enclosed tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline storage vessel, or other open top containment located on the well pad; or into tanker trucks for offsite disposal. No open top tanks can be used for initial flowback fluids containment. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area constructed to be sufficiently impervious to contain any spilled or released material. No additional downgradient berming is required if operator constructs a sufficiently sized perimeter berm.

**COA 26** - Potential odors associated with the completions process and/or with long term production operations must be controlled/mitigated.

**Material Handling and Spill Prevention:** The following condition of approval (COA) will apply to the Form 2A Permit for buried permanent flowlines and/or offsite pipelines (poly or steel) are used during operations at the well pad location or nearby well pads:

**COA 45** - Operator shall pressure test pipelines (flowlines from wellheads to separators to tanks; pipelines from onsite separators to offsite storage tanks, and any temporary surface lines used for hydraulic stimulation and/or flowback operations) in accordance with Rule 1101.e.(1) prior to putting into initial service any temporary surface or permanent buried pipelines and following any reconfiguration of the pipeline network, and tested annually, unless agreed to by both parties that the flowlines can be managed under an approved COGCC variance.

COGCC would appreciate your concurrence with attaching these COAs to the Form 2A permit prior to passing the OGLA review. COGCC can approve this form with a timely response from TEP. If you have any questions, please do not hesitate to call me at (970) 309-2514 (cell), or email. Thanks.

Dave

David A. Kubeczko, PG  
Oil and Gas Location Assessment Specialist  
Western Colorado



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