

Construction and Stormwater Inspection

September 19, 2017

Operator: GREAT WESTERN OPERATING COMPANY LLC- #10110

Location ID: 427917

Weld County, CO

NENE Section 30 T6N R67W

Chris Binschus
Reclamation Specialist, COGCC



COLORADO
Oil & Gas Conservation
Commission

Department of Natural Resources

Inspection Photos
Location Name: Raindance Drilling FD Pad
Location ID: 427917



Photo 1. Photo taken from the eastern pipeline R-O-W, facing North. The Drilling FD pad is to the north with the rig on location.

Inspection Photos
Location Name: Raindance Drilling FD Pad
Location ID: 427917



Photo 2. Photo taken from the eastern pipeline R-O-W, facing East. Erosion blanket, check dams and filtrex wattles have been installed along a portion of the eastern pipeline R-O-W.

Inspection Photos
Location Name: Raindance Drilling FD Pad
Location ID: 427917



Photo 3. Photo taken from the eastern pipeline R-O-W, facing Southeast. It is unclear if some of the stockpiles are from oil and gas activities or from previous land use from the mining company. Silt fence has been installed at the toe of the slope.

Inspection Photos
Location Name: Raindance Drilling FD Pad
Location ID: 427917



Photo 4. Photo taken from the eastern pipeline R-O-W, facing South. It is unclear if some of the stockpiles are from oil and gas activities or from previous land use from the mining company. Photo illustrates the flowline installation from the tank battery to the well location.

Inspection Photos
Location Name: Raindance Drilling FD Pad
Location ID: 427917



Photo 5. Photo taken from the eastern pipeline R-O-W, facing West. Photo illustrates the flowline installation from the tank battery to the well location.

Inspection Photos
Location Name: Raindance Drilling FD Pad
Location ID: 427917



Photo 6. Photo taken from the eastern pipeline R-O-W, facing Northwest. Photo illustrates the flowline installation from the tank battery to the well location.

Inspection Photos
Location Name: Raindance Drilling FD Pad
Location ID: 427917



Photo 7. Photo taken from the downgradient slope of Photo 2, facing West. Erosion blanket installed along a portion of the eastern pipeline R-O-W.



Photo 8. Photo taken from a portion of the access road, facing East. Filtrex wattles have been installed but do not appear to be properly staked. Silt fence was also installed along portions of the access road.

Inspection Photos
Location Name: Raindance Drilling FD Pad
Location ID: 427917



Photo 9. Photo taken from the southeast drilling pad location, facing South. Sediment basin has been installed with a stabilized outlet in conjunction with other stormwater BMPs.



Photo 10. Photo taken from the southeast drilling pad location, facing North. Both the topsoil stockpile and other areas constructed to be a berm have been seeded and mulched. Operator indicated that a “TOPSOIL” sign would be placed to indicate the location of the topsoil. Areas do not have uniform germination but appear to be temporarily stabilized with mulch. May need additional reclamation activities for long-term self-sustaining stabilization.

Inspection Photos
Location Name: Raindance Drilling FD Pad
Location ID: 427917



Photo 11. Photo taken from the northern location, facing North. Sediment basin has been installed with a stabilized outlet in conjunction with other stormwater BMPs. Areas do not have uniform germination and may require additional stabilization. May need additional reclamation activities for long-term self-sustaining stabilization.



Photo 12. Photo taken from the northern location, facing Southwest. Areas constructed to be a berm have been seeded and mulched. Areas do not have uniform germination and may require additional stabilization.

Inspection Photos
Location Name: Raindance Drilling FD Pad
Location ID: 427917



Photo 13. Photo taken from the western location, facing South. Cut slopes appear to be temporarily stabilized but will require additional long-term stabilization BMPs.



Photo 14. Photo taken from the entrance of the drilling location, facing South. Photo illustrates the Poudre Creek trail that was diverted during construction operations.