

Stormwater Inspection Report

Operator:	Laramie Energy, LLC
Project:	Horseshoe Canyon Project Area
Location:	Mesa 18-10E Pad
Date:	Tuesday, August 13, 2019
Weather:	Mostly Sunny, Light Wind, Hi 90°, Lo 53°



Type of Inspection Report	14-Day Routine	Monthly Routine	Post-Storm	Corrective Action	Winter Exclusion	Stabilization Complete	Site Review
				X			

Stormwater Compliance Questions		YES	NO	N/A
1	Any BMPs Fail or Require Maintenance?	X		
2	Any Issues Identified Requiring the Installation of Additional BMPs?	X		
3	Any Sediment or Other Pollutants Discharged Outside Project Boundaries?		X	
4	Any Sediment or Other Pollutants Discharged into Waters of the State?		X	
5	Any BMPs Repaired or Maintained?	X		
6	Any New BMPs Installed?	X		
7	Any New Portion of the Project Seeded or Mulched Since Last Inspection?	X		
8	Any New Portion of the Project Treated with Herbicide Since Last Inspection?		X	
9	Are Supplies and Materials Stored Properly?	X		
10	Any Hazardous Materials Spilled or Leaked?		X	
11	Are Vehicle Tracking Controls in Place and Functioning Properly?			X
12	Are Required Dust Control Measures in Place?			X
13	Any Deviation from the Minimum Inspection Schedule?		X	
14	Any Corrective Actions Taken to Prevent Future Violations?		X	

Comments / Descriptions / Explanations
<p>One BMP crew completed issues identified in the COGCC inspection dated 7/29/19 for the Mesa 18-10E pad (Document #696600402). The soil sample previously collected revealed soils on location to be alkaline in nature and depleted in macronutrients. 75 pounds of 25-10-15 fertilizer was premixed in 1,000 gallons of fresh water. This mix was applied to all areas identified as currently being unstable (photos #5 thru #12) to provide base nutrients to promote new growth and enhance established vegetation. 100 pounds of sulfur was broadcast over the same areas to reduce the alkalinity levels and provide more favorable pH levels for the native seed mix broadcast yesterday. 750 pounds of bentonite was applied to a series of sink holes on the south side of the location. Fresh water was used to flow the bentonite into position to seal the holes. Clean gravel was spread over the top of the bentonite to fill in the depressions.</p> <p>10 pounds of QuickGuard was broadcast and 50 bales of certified weed-free straw was blown or hand spread over areas identified as being unstable. An additional 1,000 gallons of fresh water mixed with 40 pounds of guar tackifier was applied over the straw mulch to stabilize the application. At this time, all identified issues have been addressed.</p>

Photo 1*West Side of Location***Photo 2***South Side of Location***Photo 3***East Side of Location***Photo 4***North Side of Location*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system design to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name and Title of Inspector

Mark Carlson, Environmental Inspector

Certification Signature

8/13/19

Date of Signature