



Nicholson GeoSolutions LLC

3433 East Lake Drive
Centennial, CO 80121

May 23, 2019

Mr. Terry Pape
HRM Resources II, LLC
410 17th Street, Suite 1600
Denver, CO 80202

Subject: Alissa No. 1 Repair of Erosion Control Structures

Dear Terry:

Nicholson GeoSolutions LLC conducted oversight of the repair of the on-site erosion control structures at the Alissa No. 1 lease in Morgan County, Colorado on May 23rd, 2019. The repairs were performed by Jayhawk Grading, Inc., of Byers Colorado.

Straw waddles along the north and west sides of the former well pad were found to be damaged. In addition, two erosional channels were present on the north side and at the northwest corner, and another eroded area was present on the west end of the former well pad.

To repair the erosion controls, portions of the straw waddles were replaced. The two erosional channels and additional eroded area were regraded using a CAT skid steer. An additional line of waddles was placed in these three areas to provide extra erosion protection. These three areas will be reseeded using a dryland prairie seed mix during the next two weeks when conditions allow. In addition, the former access road will be ripped to a depth of 18 inches and reseeded. The bare areas present on the former well pad surface will also be reseeded at that time.

Photographs that document the condition of the erosion control structures and eroded areas prior to the repairs and the repair activities are attached.

Nicholson GeoSolutions LLC

A handwritten signature in blue ink that reads "DK Nicholson".

David K. Nicholson, P.G.
Principal Geologist

Appendix A

Photographs



Former well pad looking west



Damaged straw waddles



Damaged straw waddles on north side of former well pad



Erosional channel on north side



Erosional channel at northwest corner of former well pad



Damaged straw waddles



Damaged straw waddles



Eroded area on west side of former well pad



Regrading north erosional channel



Regrading the west eroded area and placing waddle



Regrading the northwest corner erosional channel



Repaired straw waddles on north side with extra waddle



Placing straw waddle at northwest corner



West eroded area after regrading and waddle placement



Northwest channel after regrading and repairs



Additional straw waddle above west eroded area