



Nicholson GeoSolutions LLC
3433 East Lake Drive

November 25, 2019

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

Subject: Givan No. 1 Additional Reclamation

Dear Terry:

Nicholson GeoSolutions LLC conducted additional reclamation activities at the Givan No. 1 lease in Morgan County, Colorado during November 2019. Reclamation activities were conducted in accordance with the Colorado Oil and Gas Conservation Commission (COGCC) Series 1000 Rules by Rocky Mountain Reclamation (RMR) of Laramie, Wyoming and Jayhawk Grading, Inc., of Byers Colorado with oversight by Nicholson GeoSolutions.

The reclamation activities consisted of repair of erosion control structures, mowing of weeds, deep cross-ripping of portions of the site, fertilizing, reseeding of the former tank and process area, the wellhead area, and the access road, and mulching with hay mulch.

The erosion control structures along the edge of the drainage were repaired by Jayhawk with oversight from Nicholson GeoSolutions on November 18th, 2019. The old silt fence was also removed at this time. Weeds on the lease site and wellhead area were mowed to prepare the site for reseeding.

Additional reclamation was performed by RMR on November 23rd, 2019. Portions of the lease area that were not backfilled after removal of impacted soil in 2018, including the former storage tank area, the access road to the former well pad, and the wellpad area, were deep cross-ripped using a large 24" ripper capable of ripping to depths of greater than 18". The site was then reseeded using a dry prairie seed mix. Seed was placed using a seed drill towed by a tractor. Table 1 provides the seed mix details. After reseeding, hay mulch was spread on the site at the rate of 2.0 tons per acre and crimped into the ground using a disc attachment towed by a tractor.

Photographs that document the reclamation activities are attached. The site will be inspected in June 2020 to evaluate the reclamation progress.

Nicholson GeoSolutions LLC



David K. Nicholson, P.G.
Principal Geologist

Table 1 Seed Mix Details

Species	Variety	% Pure	Germ %	Origin
Drill Seed Mix				
Saltbrush Fourwing	VNS	24.24	44 - TZ	Utah
Western Wheatgrass	Rosana	20.21	86 + 9 = 95	Washington
Slender Wheatgrass	Revenue	15.72	95 + 0 = 95	Canada
Buffalograss	Texoca trt	8.98	95 - TZ	Texas
Green Needlegrass	Lodorm	8.89	96 - TZ	Canada
Streambank Wheatgrass	Sodar	8.80	97 + 0 = 97	Idaho
Blue Grama	Bad River	8.80	95 + 2 = 97	Canada
Other Crop			0.01	
Inert Matter			4.30	
Weed Seed			0.06	
Hard Seed			2.11	
Fluffy Seed Mix				
Winterfat	VNS	55.87	50 - TZ	
Alkali Sacaton	VNS	30.04	93 - TZ	Oklahoma
Other Crop			0.05	
Inert Matter			14.04	
Weed Seed			0.00	
Hard Seed			0.00	

Seed provided by Granite Seed, Lehi, Utah

Appendix A
Photographs



Removal of weeds



Repaired erosion control structures along drainage



Installing new wattles



Repaired erosion control structures along drainage



Former well pad area after mowing



Deep ripping of access road to well pad



Removal of old silt fence



Deep ripping of access road



Deep ripper attachment



Deep ripping



Cross ripping of lease area



Former tank and process area after deep cross ripping



Cross ripping of former well pad



Lease area after reseeding



Former process area after deep cross ripping



Former tank and process area after reseeding