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Horizon Daily Report -- Tuesday, 9182018

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Wed, Sep 19, 2018 at 2:38 PM

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See attached for daily progress for Horizon.

I discussed tightening up the pocking with Drew yesterday. He said he would try to be more diligent and mentioned that Steve would likely attempt to repair or redo the pocking already done on the upper west slopes of Portal Canyon. Possibly with a mini-ex or something with a smaller bucket.

Also discussed with Dal the possibility of driving the Sheep's Foot up the main channel to compact the sediments where the 30-ton haul truck's tires may have missed.

Thanks,

Justin Eatchel

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5829K

DOGM, Daily Construction Progress Report

Horizon Mine Reclamation

C/007/020

PO 560 180000000000269

NTP issued June 28, 2018. Expected contract completion date Oct. 26, 2018 (120 calendar days from NTP).

Date: September 18, 2018 M **T** W Th F

Crew Size: 2 Supervisor: Steve Bagley Hours: 7:00 am to 5:00 pm

Crew Names: Dal Guymon, Drew Black

Equipment: Komatsu PC 220 LC Excavator, Komatsu PC300LC Excavator with bucket, Cat 966D loader, Komatsu 30 Skidsteer, CAT D8R Dozer, CAT D6M Dozer, CAT CR-563D Sheep's foot roller, Komatsu HM 300 articulated haul truck, Komatsu 88MR mini excavator, Komatsu 61PXi Dozer.

down from n/a to _____ for _____

General description of work performed, equipment/material deliveries, etc:

Excavation of the Jewkes Creek channel has been dug to final grade, and the confluence with Portal Canyon established. Just downstream from the confluence the channel is routed directly through where the sediment pond used to reside. The fortunate lack of precipitation in recent weeks has enabled construction crews to excavate the fines from the sediment pond and establish the main channel. Final grade for the main channel through the old sediment pond has been achieved, and is currently awaiting placement of gravel and riprap. Dal was occupied for much of the day with placing topsoil on the newly contoured slopes in Jewkes Canyon. Drew was working on tying in the graded slopes in upper Portal Canyon with the main channel just beneath where the portals used to be. There was some vegetation in the channel that he was trying to preserve as he brought the slopes in to final grade.

There is a section of slopes on the west side of Portal Canyon that has been pocked and mulched with hay, although the mulch is spotty and the pock spacing needs to be tightened as the individual cups are a little too widely spaced. The road to the reclaimed escapeway shaft has been pocked as well, but so far no mulch.

In the course of harvesting topsoil in upper Portal Canyon, the 30-ton haul truck has driven back and forth in the main channel compacting the sediments that lie in the ruts. Dal indicated that just prior to placement of gravel and riprap in the main channel the Sheep's foot roller would make several passes to compact the sediments between the ruts.

WORK items approved: n/a

Problems/delays and proposed or actual resolution. DOGM action required? Yes **No**

Visitors & purpose: Justin Eatchel ~ to evaluate the progress of the project.



ATTACHMENT A –Sept 18, 2018 site visit



PHOTO 1

Construction information sign posted on the main road.



PHOTO 2

View looking east from the undisturbed thalweg in the upstream end of Jewkes Creek. This view illustrates the offset at the head of Jewkes.



PHOTO 3

View looking east from the middle of Jewkes Creek channel.



PHOTO 4

Overview of entire Jewkes Creek channel.



ATTACHMENT A – Sept 18, 2018 site visit



PHOTO 5

Looking north overlooking Portal Canyon. Excavator access road (foreground) will be reclaimed during the final pass.



Reclaimed Escapeway Access Road

PHOTO 6

The yellow line highlights the reclaimed escapeway access road. It has been pocked, but no mulch yet.



PHOTO 7

Another view of reclaimed escapeway access road. The pocking could be a little tighter.



Reclaimed Escapeway shaft

PHOTO 8

The yellow square depicts where the old escapeway shaft used to reside.

ATTACHMENT A – Sept 18, 2018 site visit



PHOTO 9

Upper portion of reconstructed Portal Canyon as viewed from undisturbed thalweg. The UD culvert was located here.



PHOTO 10

Another view of reconstructed Portal Canyon channel. Rocks and woody debris scattered to create a natural look.



PHOTO 11

These mulched/pocked slopes reside over where the concrete portals used to be located.



PHOTO 12

Yellow lines illustrate the confluence of Portal and Jewkes Canyon channels.

ATTACHMENT A – Sept 18, 2018 site visit



PHOTO 13

Standing at the confluence looking east at the channel cut through the sediment pond.



PHOTO 14

Looking west at channel through sediment pond from grassy sward.



PHOTO 15

A view of the majority of all heavy equipment used on site so far.



PHOTO 16

Dal in the CAT 966D loader placing topsoil on the upper slopes in Jewkes Creek.



ATTACHMENT A – Sept 18, 2018 site visit



PHOTO 17 – PORTAL CANYON (11:45am)

Drew mentioned that he would have to gently “paint” his way around these plants as he continues reconstruction of Portal Canyon.



PHOTO 18 – PORTAL CANYON (3:45pm)

Drew in the Komatsu 220 Excavator creating a gentle transition from reconstructed Portal Canyon to main channel.



PHOTO 19

The western slopes in Portal Canyon looking east. Slopes in background have yet to be pocked/mulched .



PHOTO 20

These rocks will be used to build/enhance engineered log jams in the newly constructed channels.



UTAH COAL PROGRAM