



December 7, 2020

Mr. Chris Canfield
Department of Natural Resources
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203-2136

RE: 2020 Quarter 3 Report
Grant Hurt 14H
SEC.14 T2N R68W 6PM
LAT./LONG.: 40.13928/-104.96659
Weld County, Colorado

Dear Mr. Canfield:

This report summarizes activities conducted in the third quarter of 2020 to address petroleum hydrocarbon impacts at the Grant Hurt 14H Tank Battery (site). The site is located at latitude: 40.13928 and longitude - 104.96659 in Weld County, Colorado (Figure 1). A site map is included (Figure 2), and groundwater analytical results (Table 2).

BACKGROUND

In March 2018, a 1" hammer union was found leaking on a produced oil line under the insulation resulting in a release of 75 barrels. The hammer union was tightened, and equipment was removed. A hydrovac was used to remove all visual contamination. Further information can be found in document # 402092828.

On March 30, 2018, two 10-foot long, 4-inch diameter horizontal screens were installed into the excavated area that was approximately 15 feet long by 10 feet wide. The horizontal screens were installed and covered with pea gravel. Approximately 2,000 pounds of granular carbon was placed on top of the pea gravel. The excavated area was backfilled to ground surface.

On January 2, 2019, five soil borings (SB-1 through SB-5) were advanced and soil samples were collected at the site. Soil samples were analyzed for TPH and BTEX. All soil samples (SB-1 through SB-5) were below the COGCC limits.

Four temporary monitoring wells were installed in boreholes SB-1, SB-2, SB-3 and SB-4. A water sample was retrieved through the borehole from soil boring 5 (SB-5W) and analyzed for BTEX. The groundwater result collected from SB-5W was below COGCC Table 910-1 allowable limits.

On January 8, 2019, groundwater samples were retrieved from temporary wells 1 through 4 (SB-1W through SB-4W) and analyzed for BTEX. All samples were below Table 910-1 BTEX concentration levels. On March 1, 2019, the temporary wells were removed and abandoned. Please reference document # 402269237 for additional information.



On June 17, 2020, five continuous soil sample borings were advanced at the site. Soil samples were collected at one to two-foot intervals and field screened using a photoionization detector (PID). Soil samples containing the highest PID reading and from the bottom of each boring were collected for laboratory analysis. Each soil sample was analyzed for BTEX (EPA Method 8260), TVPH/GRO (EPA Method 8015), and TEPH/DRO (EPA Method 8015).

A temporary monitoring well was installed in the same location as the five soil borings. Currently there are 5 temporary monitoring wells onsite including TMW-1, TMW-2, TMW-3, TMW-4, and TMW-5.

MONITORING RESULTS

Groundwater samples collected from TMW-1, TMW-2, TMW-3, TMW-4, and TMW-5 on 9/28/2020 were analyzed for BTEX. All wells were reported below the COGCC Table 910-1 allowable limits.

Groundwater monitoring will continue until concentrations remain below COGCC Table 910-1 limits for four consecutive quarters.

Please contact me if you have any questions or require additional information.

Sincerely,

David Tewkesbury
Environmental Specialist
Crestone Peak Resources
10188 E. Interstate 25 Frontage Road
Firestone, CO 80504
t 303.774.3985
c 720.236.5525
e david.tewkesbury@crestonepr.com



Attachments:

Table 1 – Groundwater Elevation Data
Table 2 – Groundwater Analytical Results
Figure 1 – Location Map
Figure 2 – Site Map
Figure 3 – Groundwater Monitoring Map (9/28/2020)
Groundwater Analytical Report