

Inspection Photos

Location Name: River Ranch A Pad & Produced Water Transfer System Spill/Release

Location ID: #336014 & Spill/Release ID: #480927

Inspection Date: October 27, 2021



Photo #1 – Sign at entrance to pad



Photo #2 – Overview of tank battery from northwest.



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Oct 27, 2021 09:03:19
39.53869109N 107.69814094W ±3.22m

Photo #3 – Tank battery loadout hose stored outside of secondary containment area.



Oct 27, 2021 09:05:04
39.53894329N 107.69760748W ±3.22m

Photo #4 – Overview of wellheads. Well cellars contained fluids on inspection date. Gas bubbles were observed in the cellars for the A1, A4, and A5 wells during inspection.



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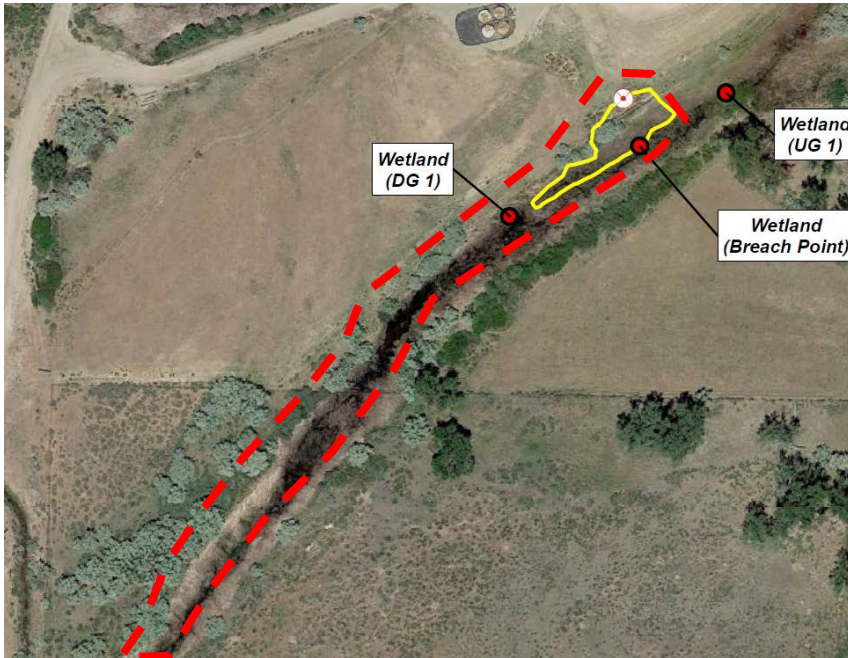


Photo #5 – Aerial photo provided by the Operator (doc #402846782) depicts spill point of release and impacted area. Dashed box depicts portion of the impacted area inspected on 10/27/2021.

Note: dense vegetation and high water offered limited visibility in wetland area.

Photo #6 – Overview of fenced impact area from northeast. Vegetation in this area had been removed prior to inspection date.



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Photo #7 – Flowline risers at the reported point of release for Spill/Release ID #480927.



Photo #8 – Vegetation has been removed from reported impact area. Hydrocarbon odors were observed in this area on inspection date.



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Photo #9 – Localized hydrocarbon sheen observed on surface water located southeast of point of release.



Photo #10 – Localized hydrocarbon sheen observed on surface water located south of point of release.



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Oct 27, 2021 09:17:04
39.53829084N 107.69786893W ±5.36m

Photo #11 – Wetlands area located south-southeast of reported point of release. Waters in this photo are in communication with those depicted in previous photos #8-#10.



Oct 27, 2021 09:16:24
39.53825831N 107.69787522W ±3.22m

Photo #12 – Absorbent boom installed downstream of reported point of release. Note density of vegetation in wetlands area.



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Photo #13 – Absorbent boom in impact/wetlands area was not in use during inspection.



Photo #14 – Additional boom installed across wetlands area downstream from point of release.



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