

Inspection Photos

Location Name: CSF T Pad and Castle Springs T Spill

Location ID: #335052 Spill ID #462303

Inspection Date: March 6, 2019



Photo #1 – Well sign for CSF 12-08-07-91, located in center of upper well pad.



Photo #2 – View of existing tank battery from wellhead, looking east. Note presence of frac tank on left side of photo and puddles of stormwater throughout pad.



Inspection Photos

Location Name: CSF T Pad and Castle Springs T Spill

Location ID: #335052 Spill ID #462303

Inspection Date: March 6, 2019



Photo #3 – View of temporary tank battery from south. Note that liner has been installed beneath frac tank but earthen berm lacks compaction. Berm capacity may not be sufficient to contain contents of frac tank plus freeboard, per 605.a.(4).



Photo #4 – View of heated horizontal separator (foreground) and heated vertical separators (background), located west of frac tank. Note that heated horizontal separator in foreground lacks bird protection.



Inspection Photos

Location Name: CSF T Pad and Castle Springs T Spill

Location ID: #335052 Spill ID #462303

Inspection Date: March 6, 2019



Photo #5 – View of vertical heated separator array from north. Distance from this point on separator to frac tank was measured to be 60’ on inspection date.



Photo #6 – North side of frac tank secondary containment.



Inspection Photos

Location Name: CSF T Pad and Castle Springs T Spill

Location ID: #335052 Spill ID #462303

Inspection Date: March 6, 2019



Photo #7 – View of existing tank battery containment device at northwest corner. Note that base of metal ring is visible (red arrow).



Photo #8 – Fluid accumulation within existing tank battery containment (red arrow). Work to delineate and remediate impacts within existing tank battery is proceeding under Remediation Project #12674.

Inspection Photos

Location Name: CSF T Pad and Castle Springs T Spill

Location ID: #335052 Spill ID #462303

Inspection Date: March 6, 2019



Photo #9 – Hydrocarbon sheen observed on soils and in pooled stormwater at northeast corner of upper well pad on inspection date. Operator was contacted via phone on 3/6/2019 and instructed to remove free fluids within 24 hours.



Photo #10 - View along flow path of Spill ID #462303, looking north. No hydrocarbon odor, staining, or sheens were observed in this location on inspection date.



Inspection Photos

Location Name: CSF T Pad and Castle Springs T Spill

Location ID: #335052 Spill ID #462303

Inspection Date: March 6, 2019



Photo #11 - View along flow path of Spill ID #462303, looking east. No hydrocarbon odor, staining, or sheens were observed in this location on inspection date.



Photo #12 - View of reported flow path terminus of Spill ID #462303, looking south. No hydrocarbon odor, staining, or sheens were observed in this location on inspection date.

