



Corrective Action Report – Short Form

(To Accompany C-141)

Date: 09/13/2011

Lease Name: Max Friess "MA" Tank Battery

Type of Contamination: ☒ Hydrocarbon ☒ Produced Water ☐ Other (Specify):

Cause of Release: Treater over-pressured causing pop-off and pressure relief valves to open discharging product into the containment, onto the pad area and into the pasture.

Site Information

General Setting and Area of Impact (Check All that Apply):

☐ Pad Only ☐ Road Only ☒ Off-Site Areas Impacted: ☒ Flat ☒ Sloped ☐ Drainage Features Impacted

Estimated Depth of Contamination: .25-.5 Feet, Vertical

Estimated Area of Contamination: ~6500 Square Feet

Site Delineated: ☐ No ☒ Yes Method: ☒ Visual (probe/shovel) ☐ Sampling & Analysis (Attach Analysis)

Corrective Actions to Be Taken

Remedial Action Goals: ☒ Hydrocarbons <5,000 mg/kg ☐ Chlorides <1,000 mg/kg

Other (Specify):

Estimated Start Date:

Estimated Completion Date:

Remedial Actions (Check All That Apply):

☒ Dig & Haul Disposal Site: ☐ CRI ☐ Lea Land ☐ Sundown ☒ Other (Specify): Lazy Ace

☒ Blending ☒ Biological Degradation ☐ Irrigation ☐ Calcium Amendment & Irrigation

☐ Cap & Cover Cap Material: ☐ Clay ☐ Caliche ☐ Native Soil

☐ Liner: Mil Thickness: , Installation Depth: Feet

☐ Other (Specify):

Clearance Confirmation Sampling to be Performed: ☒ Yes ☐ No

Restoration Activities (Check All That Apply)

☐ Installation of Top Soil ft. ☒ Contour to Grade

☒ Erosion Control: ☐ Water Bars ☐ Rip/Rap ☒ Other (Specify): Furrow-Cross Gradient

☐ Seeding: ☐ Natural ☐ BLM Seed Mix #2 ☐ BLM Seed Mix #3 ☐ BLM Seed Mix #4

☒ Other: 50/50 mix of BLM 3 & 4

Other Notes or Actions:

Over spray areas will be blended with existing pad soils. Heavily impacted soils inside the containment will be removed and clean soils replaced. Grossly impacted soils outside the south side of the containment will be removed and disposed of. A biological amendment will be added to and mixed with the soils to promote further degradation of the hydrocarbons. Site will be furrowed laterally across the gradient (west) to reduce erosion potential. Disturbed areas of the impacted pasture will be seeded as specified. All remedial action levels will be as noted above.