



Corrective Action Report – Short Form

(To Accompany C-141)

Date: 09/14/11

Lease Name: HE West A & B Injection Line

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

Cause of Release: Leak developed in the 4" injection line.

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: 6 Feet, Vertical

Estimated Area of Contamination: 5000 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: 09/10/11

Estimated Completion Date: 09/29/11

Remedial Actions (Check All That Apply):

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

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

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

☐ Liner: Mil Thickness: , Installation Depth: Feet

☐ Other (Specify): Backfill excavation with like material.

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):

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

☐ Other:

Other Notes or Actions:

During resotration, site will be furrowed "cross-gradient" to reduce erosion potential. Site will be seeded with a 50/50 mix of BLM 3 &4.