



## **E&P WASTE MANAGEMENT PLAN FOR ALL WASTE STREAMS**

To maintain compliance with rule 907., Great Western Oil & Gas Company (GWOG) adheres to the rule in regards to identifying all waste streams and outlines the manner in which they are handled.

### **Water-Based Bentonitic Drilling Fluids and Drill Cuttings**

Water-based bentonitic drilling fluids (WBBDF) and drill cuttings will be handled for disposal at a permitted solid waste facility. This plan is a separate document to comply with rule 907.d(3). Cuttings will be properly disposed of at a Waste Management solid waste facility. Actual facility depends on geographic proximity to drilling well.

### **Oil-Based Drilling Fluids and Drill Cuttings**

Oil-based drilling fluids (OBDF) and drill cuttings will be handled for off-site disposal at a properly permitted solid waste facility. This plan is a separate document to comply with rule 907.e(1). Cuttings will be properly disposed of at a Waste Management solid waste facility. Actual facility depends on geographic proximity to drilling well.

### **Frac Flowback Water**

Water generated during flowback operations is stored in flowback tanks and hauled to NGL (formerly High Sierra) approved disposal facility. In addition, Select Energy Lonestar disposal facility and Expedition Waters facility are used for water disposal. All water disposal is by commercial injection.

### **Produced Water**

Formation water produced by the well and temporarily stored onsite in produced water tanks is hauled to High Sierra's approved disposal facility.

### **Tank Bottoms**

Oil waste in the form of tank bottoms is managed in compliance with rule 907.f.

### **Solid Waste/Soil Impacted with Hydrocarbons**

In the case of hydrocarbons impacting solids/soil, the resulting E&P waste will be handled in the following manner. Hydrocarbons spilled on the ground will be treated, and if it is untreatable, the waste will be hauled to Waste Management landfill with the appropriate manifest.

Hydrocarbon impacted solids resulting from flowback operations are contained in flowback tanks. Resulting waste from flowback operations is properly handled and disposed of at Waste Management facility.