

**1R -** 334

# **REPORTS**

**DATE:**

2001

---

12-344

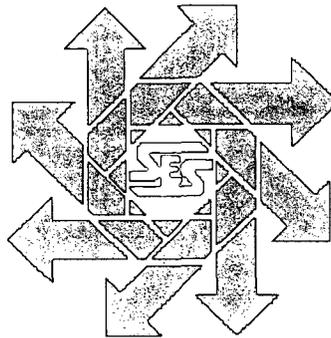
**Chevron USA  
Coleman Street  
Remediation/Cleanup Work Plan  
Lea County, New Mexico**

**September 14, 2001**

RECEIVED

JAN 24 2002

ENVIRONMENTAL BUREAU  
OIL CONSERVATION DIVISION



**Prepared for:**

**Chevron USA  
Permian Basin Business Unit  
P.O. Box 1949  
Eunice, New Mexico 88231**

**By:**

***Safety & Environmental Solutions, Inc.  
703 E. Clinton Suite 102  
Hobbs, New Mexico 88240  
(505) 397-0510***

---

## TABLE OF CONTENTS

<b>Purpose.....</b>	<b>1</b>
<b>Background .....</b>	<b>1</b>
<b>Contaminant and Size of Area.....</b>	<b>1</b>
<b>Vertical and Horizontal Extent of Contamination .....</b>	<b>1</b>
<b>Groundwater .....</b>	<b>1</b>
<b>Action Plan .....</b>	<b>2</b>
<b>Maps and Figures.....</b>	<b>2</b>

**I. Purpose**

The purpose of this work plan is to propose a plan for the cleanup of the area identified by the Site Investigation of the Coleman Street Abandoned Battery Site dated August 27, 2001. The subject area is identified as the Coleman/Grimes Battery and is located in of Section 33, Township 18S, Range 38E in Lea County, New Mexico. The site is situated inside the city limits of Hobbs, New Mexico and is bounded by Alston Street to the north, Burk Street to the east, Cain Street to the south, and Coleman Street to the west. The site consists of an approximately 20,000 square foot area as determined from historical aerial photographs. This plan will allow closure in a manner that will protect the population, environment and groundwater of the area surrounding the subject location. The site is situated on a relatively level site. (Figure 1)

**II. Background**

The subject site was used as a site for the storage of fluids produced by wells. (Figure 2)  
The property is currently vacant.

Six storage tanks and associated vessels and piping were previously located on the subject area according to an aerial photograph taken for the City of Hobbs by Wilson & Company, Engineers on March 26, 1964

**III. Contaminant and Size of Area**

The suspected contaminant is crude oil and produced water associated with the tank battery at the site. The approximate size of the total fenced area surrounding the battery site is 20,000 sq. ft. The crude oil and produced water is considered exempt oilfield waste. No evidence of other contaminants was observed.

**IV. Vertical and Horizontal Extent of Contamination**

The vertical and horizontal extent of the contamination has been performed and reported in the August 27, 2001 Site Investigation.

**V. Groundwater**

The groundwater depth in the vicinity of the site is approximately 54' according to the database provided by the New Mexico State Engineer's Office.

---

## VI. Action Plan

### *Closure*

The cleanup level reached by the application of the “**Unlined Surface Impoundment Closure Guidelines**” *New Mexico Oil Conservation Division* - February 1993 to this site are 1000 ppm TPH. The site will be excavated both horizontally and vertically for the removal all soils above 1000 ppm TPH. The Site Investigation dated August 27, 2001 identified the vertical extent (100 ppm) of contamination to range from 2' to 10'. At the direction of the NMOCD, SESI identified the visually stained areas in each quadrant of the entire city block surrounding the subject site. The most heavily stained areas in each quadrant were sampled and analyzed. The results of the analysis were reported in the August 27, 2001 Site Investigation. In no case were any of the visually stained areas found to contain more than 801 ppm TPH. However, all visually stained soils identified in the quadrants surrounding the site will also be excavated without further sampling. The excavated soils removed to a disposal facility approved by the NMOCD for final disposal. Upon removal of all visually stained soils and soil containing TPH levels above 1000 ppm, the excavation will be backfilled with clean soil.

The bottom and sides of the excavation will be sampled at the final excavation depths. Field-testing for Total Petroleum Hydrocarbons (TPH) will be performed on soil samples (EPA Method 418.1) using a GAC Mega Total Petroleum Hydrocarbon analyzer. The samples collected will be preserved on ice and delivered along with Chain of Custody to Cardinal Laboratories for testing. Laboratory samples were analyzed for Total Petroleum Hydrocarbons (EPA Method SW 846 8015), BTEX (EPA Method SW-846-8260) and Chlorides (EPA Method 600/4-79-020 325.3).

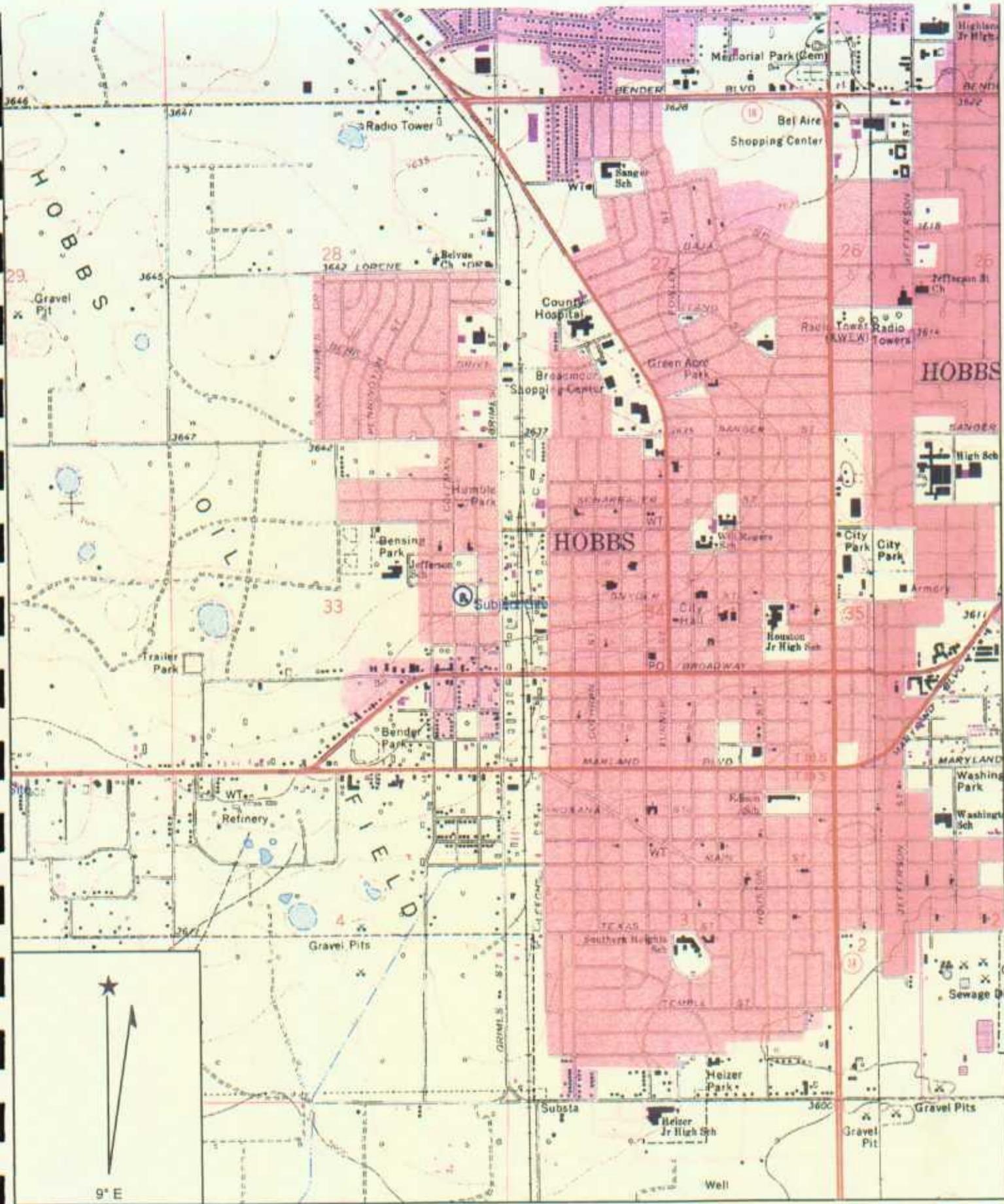
After completion of the project, the appropriate reports will be filed with the NMOCD in the closure report.

## VII. Maps and Figures

Figure 1. Vicinity Map

Figure 2. Site Plan (Location of Boreholes)

**Figure 1**  
**Vicinity Map**



Name: HOBBS WEST  
 Date: 8/27/2001  
 Scale: 1 inch equals 2000 feet

Location: 032° 42' 13.8" N 103° 08' 38.9" W  
 Caption: Chevron USA  
 Vicinity Map  
 Coleman/Grimes Battery  
 Section 23 18S 38E

---

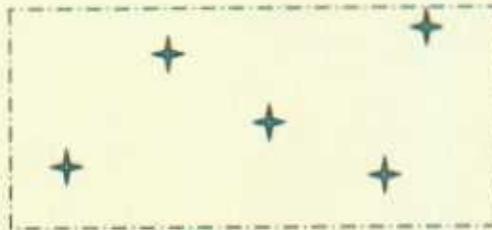
**Figure 2**  
**Site Plan**  
**(Location of Boreholes)**



Alston Street

Coleman Street

Burk Street



✦ Test Hole Locations

**Section 33,  
Township 18 South  
Range 38 East**

Cain Street



**Chevron USA**

**Coleman Street  
Site Plan  
Borehole Locations**

*Safety & Environmental  
Solutions, Inc.  
Hobbs, New Mexico*