

WELL ABANDONMENT REPORT  
FORMER TEXACO SERVICE STATION  
23990 HESPERIAN BOULEVARD  
HAYWARD, CALIFORNIA

PROJECT 30-0113

## 1.0 INTRODUCTION

Texaco Refining and Marketing contracted Terra Vac to design, construct, and operate a remediation system at the former Texaco Service Station located at 23990 Hesperian Boulevard, Hayward, California (Figure 1). The site is currently an operating Exxon retail gasoline service station and auto repair facility.

The remediation system operated from September 1994 to May, 1995 and was removed from the site in June 1995. A Non-Attainment Area Management Plan (NAAMP) was submitted to the City of Hayward Hazmat Office, the local oversight agency (LOA), in January 1996. The plan was subsequently approved by the City of Hayward.

On June 13, 1996, Terra Vac notified the LOA that 15 of the 19 existing wells would be abandoned. The wells selected for abandonment were considered not to be crucial to monitoring under the NAAMP.

Field activities conducted at the site from July 31, through August 5, 1996, included the overdrilling and sealing of wells SP-1 through SP-3, MW-3C through MW-3E and VW-1 through VW-8. As requested by the LOA, well MW-3B (originally selected for abandonment) was not abandoned. Well MW-3B is not scheduled to be included in the monitoring program.

## 2.0 DRILLING ACTIVITIES

Drilling permits were obtained from Zone 7 Water Agency (Zone 7) prior to the start of work. Zone 7 required that all wells be overdrilled to the total depth of the original boring, followed by removal of the casing and sealing the boring with neat cement to the ground surface. Copies of the Zone 7 permit are included in Appendix A.

### 2.1 *Drilling*

The drilling was performed by Bay Area Exploration, Inc. (BAEi) of Cordelia, California, under the direction of Terra Vac. A CME-75 truck mounted drill rig was used to advance 8 and 10-inch diameter hollow-stem augers to the total depth of each well (25 to 40 feet below grade). The locations of the abandoned wells are shown on Figure 2.

## 2.2 *Boring Completion*

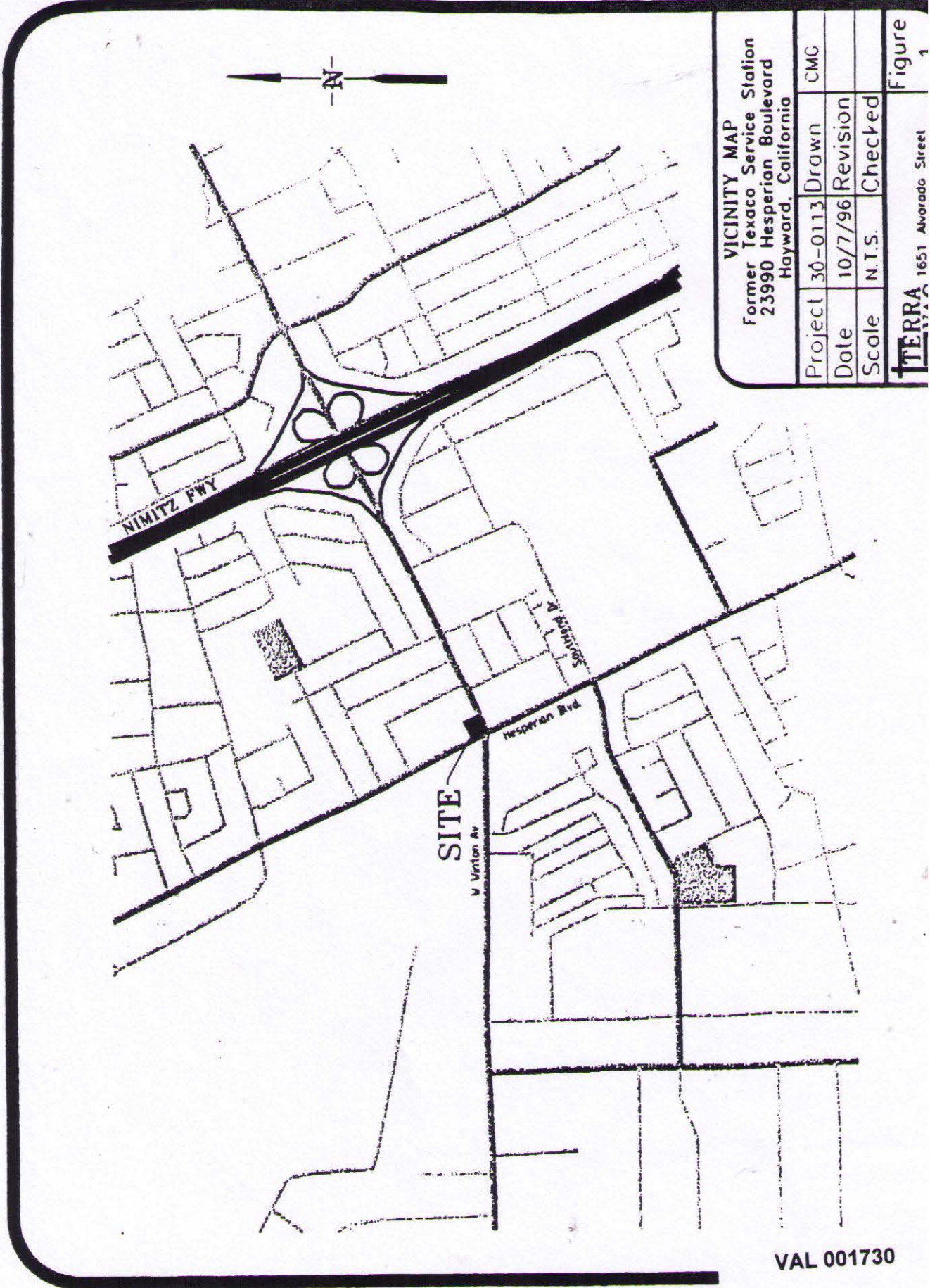
Upon completion of the overdrilling, the old well casing and screen were removed. Each boring was then backfilled with neat cement to the ground surface. An example of the boring completion is included in Appendix B. Drill cuttings were stockpiled on and covered with visqueen pending proper disposal by Texaco's contract waste disposal contractor.

## 2.3 *Cuttings Disposal*

A four point sample was collected from the stockpile and composited prior to analysis at the laboratory. A copy of the laboratory report is included in Appendix C. Composite analytical data were used by Integrated Waste Management, Inc. to characterize the drill cuttings and disposed of them at BFI in Livermore, California, an approved Class III disposal site.

## 3.0 SUMMARY

Available data show this site to be remediated of petroleum hydrocarbons to acceptable levels. All groundwater monitoring and remediation wells associated with this site, with the exception of wells MW-3A and MW-3B and MW-3F through MW-3H, have been decommissioned. Texaco is scheduled to monitor and sample wells MW-3A and MW-3F through MW-3H during the first quarters of 1997 and 1998. After the 1998 sampling event Texaco will abandon the remaining wells.

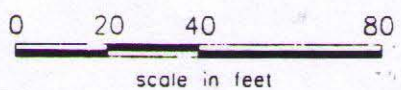
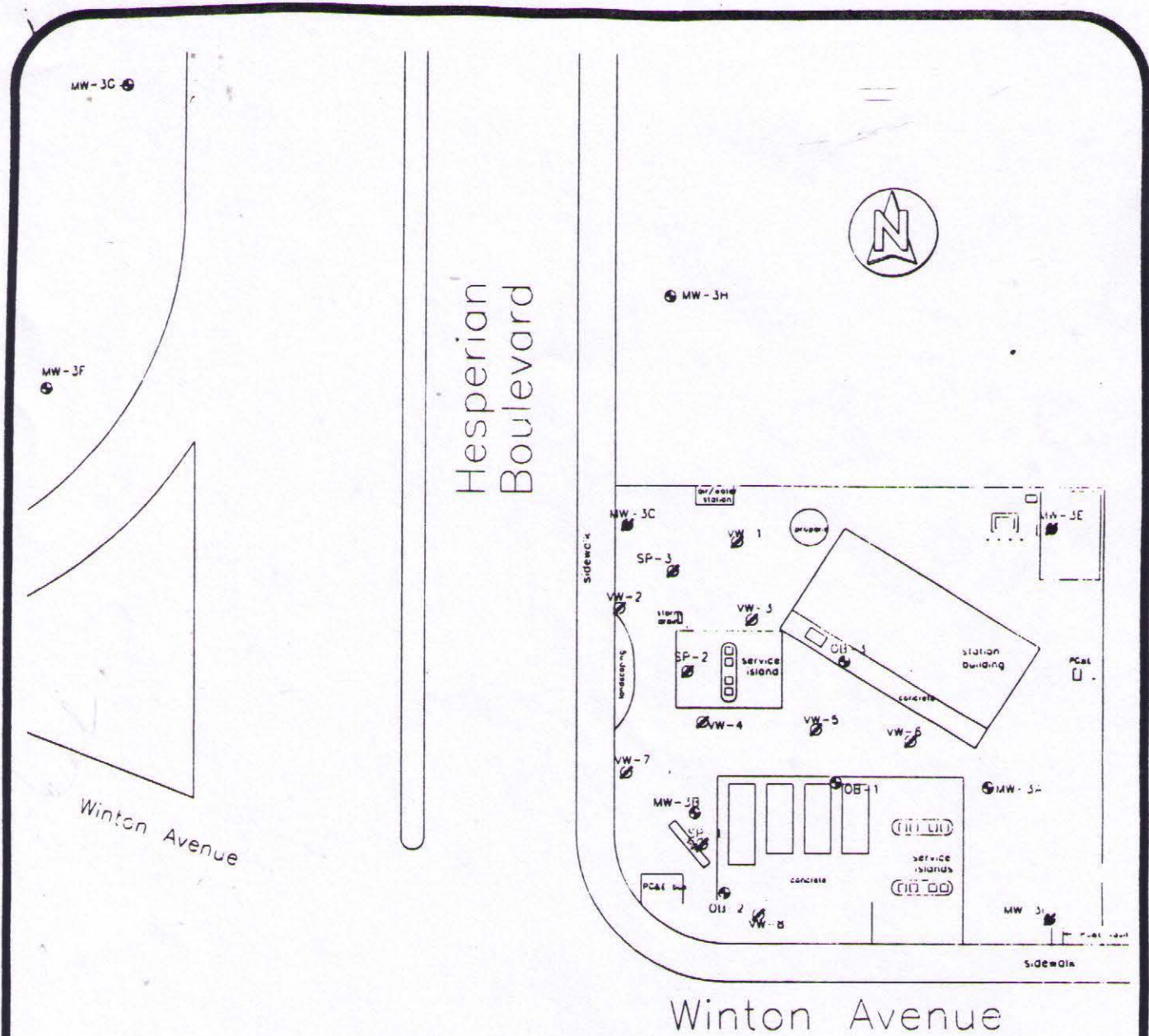


**VICINITY MAP**  
 Former Texaco Service Station  
 23990 Hesperian Boulevard  
 Hayward, California

Project	30-0113	Drawn	CMG
Date	10/7/96	Revision	
Scale	N.T.S.	Checked	

**TERRA** 1651 Alvarado Street  
 Figure 1

VAL 001730



**LEGEND**

- MW-3A monitoring well
- VW-1 entrainment extraction well
- SP-1 sparge well
- / well to be abandoned

**Site Map**  
 Former Texaco Service Station  
 23990 Hesperian Boulevard  
 Hayward, California

Project	30-0113	Drawn	CAC
Date	10/7/96	Revision	1
Scale	1"=40'	Checked	

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Figure  
2

VAL 001731