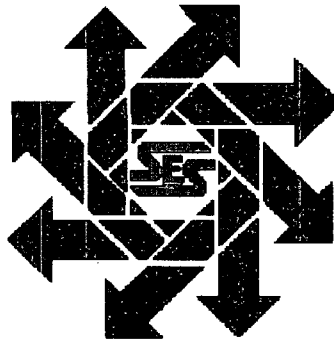


**Navajo Refining Company
4" Mitchell Mainline
Remediation/Cleanup Work Plan
Section 19, Township 17S, Range 32E
Lea County, New Mexico**

December 13, 2002



Prepared for:

**Navajo Refining Company
P.O. Box 159
Artesia, New Mexico 88211**

By:

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

*Navajo - 94081
facility - FPAC0603932925
incident - n PAC0603933011
application - PAC0603933296*

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I. Purpose

The purpose of this work plan is to propose a plan for the cleanup of the area impacted by the spillage of crude oil from the 4" Mitchell Mainline. The subject area is located in Section 19, Township 17S, Range 32E in Lea County, New Mexico. 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 a relatively level site located on Bureau of Land Management (BLM) land. (Figure 1)

II. Background

The subject site is located approximately 2 miles south of New Mexico State Highway 82. The site is located in an area with small sand dunes. Navajo Refining will conduct an archeology study of the subject site and surrounding areas.

III. Contaminant and Size of Area

The suspected contaminant is produced crude oil, which leaked from the pipeline associated with production in the area. The approximate size of the impacted area is approximately 4,950 sq. ft. No evidence of other contaminants was observed.

IV. Vertical and Horizontal Extent of Contamination

Vertical and horizontal extent of the contamination will be determined at the time of excavation.

V. Groundwater

The nearest groundwater of record with the New Mexico State Engineer's Office is in Section 3 of T17S, R32E. The depth to water in this area ranges from 139.03 to 168.14 feet.

VI. Action Plan

Closure

Based on visual observations, the cleanup level reached by the application of the "**Guidelines for Remediation of Leaks, Spills and Releases**" *New Mexico Oil Conservation Division* – August 13, 1993 (Guidelines) to this site is 5000 ppm TPH. Application of the NMOCD's ranking criteria for contaminated soils at this

site is presented below.

Depth to Ground Water:	0 points
Distance to Well Head or Water Source:	0 points
Distance to Surface Water/Waterways:	0 points
Total Score:	0 points

The site will be excavated both horizontally and vertically for the removal all highly contaminated and/or saturated as defined in the Guidelines. The excavated soils will be blended on-site with adjacent clean soils to a level no greater than 5000 ppm TPH.

The bottom and sides of the excavation will also 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 final 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).

Following the final sampling, the excavation will be backfilled with the blended soils and returned to natural grade. The area will be reseeded with BLM #4 seed mix.

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

VII. Figures & Appendices

Figure 1. - Vicinity Map

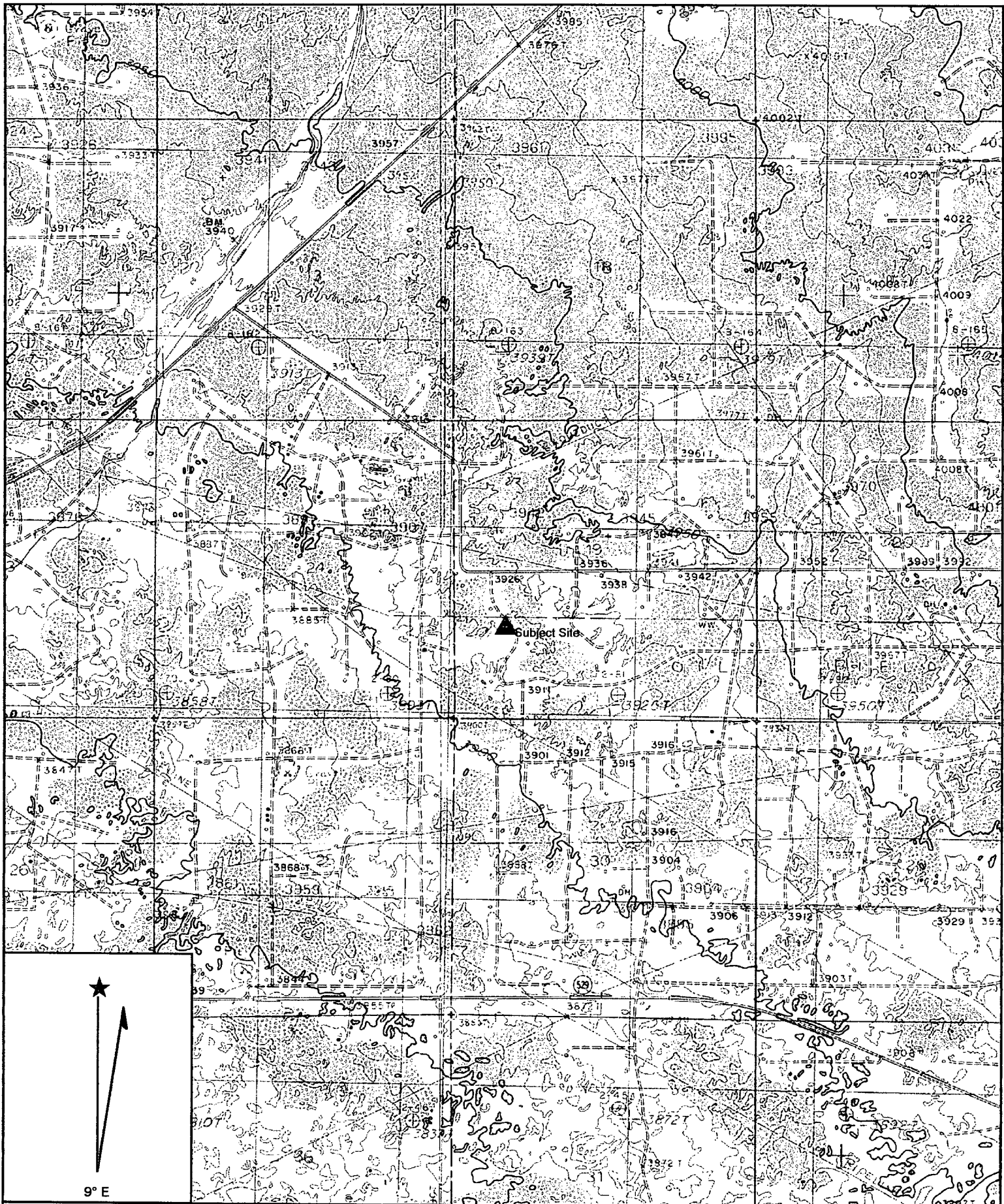
Figure 2. - Site Plan

Appendix A. - C-141

Appendix B. - Site Photos

Figure 1

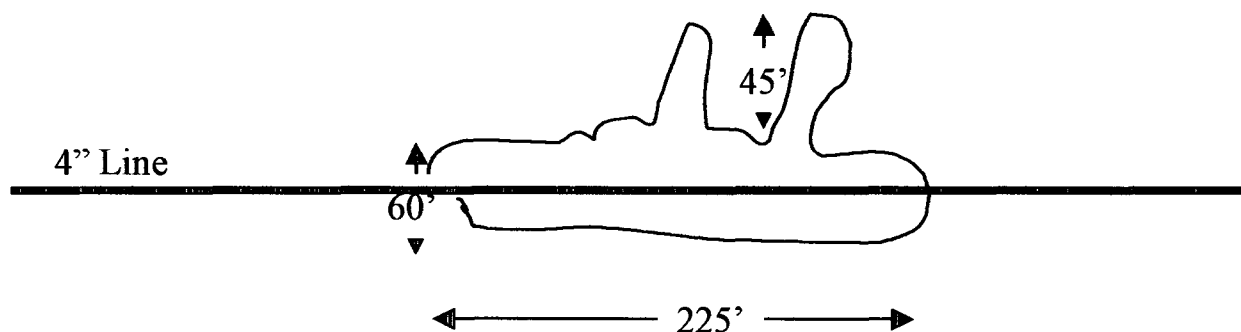
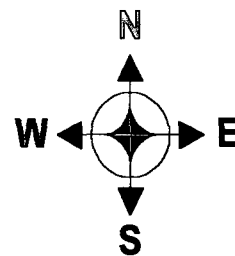
Vicinity Map



Name: MALJAMAR
Date: 12/16/2002
Scale: 1 inch equals 2222 feet

Location: 032° 49' 05.5" N 103° 48' 40.2" W
Caption: Navajo Refining Company
4" Mitchell Mainline

**Figure 2
Site Plan**



Not To Scale

**Navajo Refining
Company**

4" Mitchell Mainline
S19, T17S, R32E
Lea County, New Mexico

**Safety & Environmental
Solutions, Inc.**



Appendix A C-141

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources

FORM C-141
Revised March 17, 1989

DISTRICT II
611 South 1st, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, New Mexico 87505

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

Submit 2 copies to appropriate
District Office in accordance
with Rule 116 on back
side of form.

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

Release Notification and Corrective Action
OPERATOR

☒ X

Initial Report

☐ Final Report

Name	Navajo Refining Company	Contact	Dickie Townley
Address	P.O. Box 159, Artesia, New Mexico 88211	Telephone No.	(505) 748-6712
Facility Name	Mitchell Mainline	Facility Type	Pipeline
Surface Owner	Mineral Owner	Lease No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North / South Line	Feet from the	East / West Line	County
L	19	17S	32E					Lea

NATURE OF RELEASE

Type of Release	Crude Oil	Volume of Release	475 bbls.	Volume Recovered	395 bbls.
Source of Release	4" Mitchell Mainline	Date & Hour of Occurrence	12/01/02 ???	Date & Hour of Discovery	####
Was Immediate Notice Given?	<input checked="" type="checkbox"/> X Yes <input type="checkbox"/> No <input type="checkbox"/> Not required	If YES, to whom?	Johnny Robinson		
By Whom?	Charlie Plymale	Date & Hour	12/1/2002 21:30		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No	If YES, Volume Impacting the Watercourse.			

If a watercourse was impacted, Describe Fully. * NONE

Describe Cause of Problem and Remedial Action Taken. * The cause of the leak was a possible bullet hole in the pipeline. The pipeline was clamped to prevent crude oil from being released. Vacuum trucks were call to recover the standing crude and a back hoe was called to backdrag the contaminated area to prevent the livestock from drinking any oil.

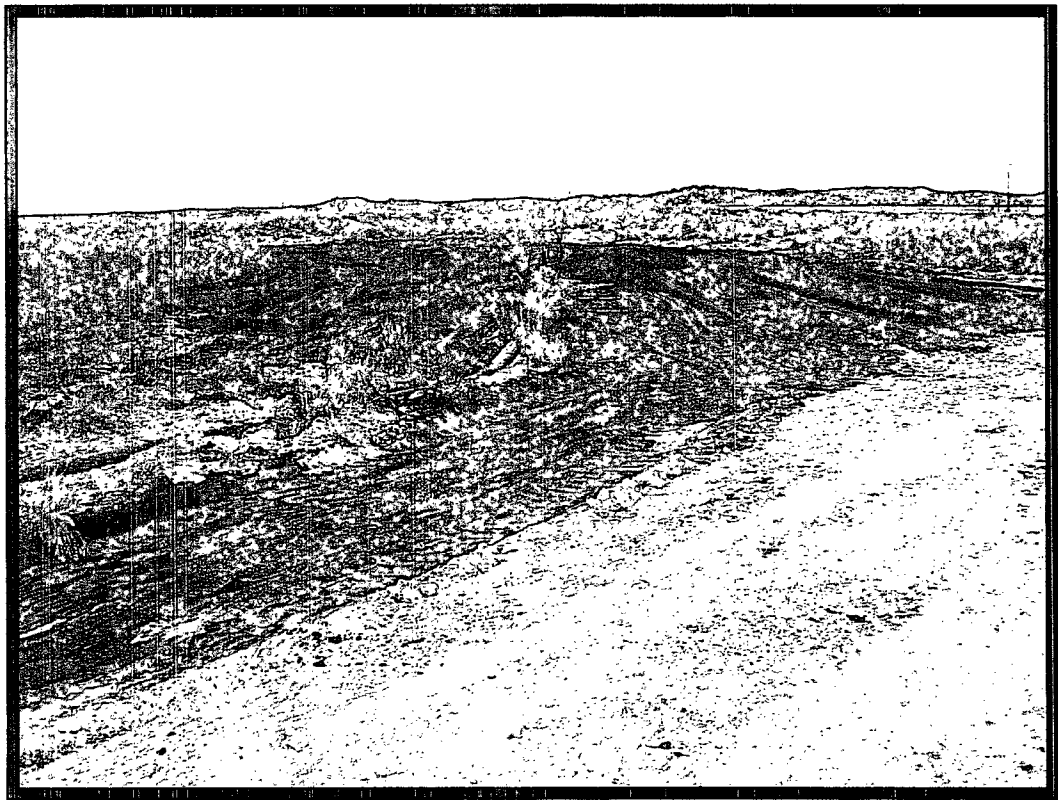
Describe Area Affected and Cleanup Action Taken. * An area 75yards long by 20 yards wide was saturated in crude oil The standing crude oil was vacuumed up and the area was back drag to prevent livestock from drinking any. The heavily saturated soil will be hauled to an approve disposal site and the remaining area will be blended with the surrounding soil.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

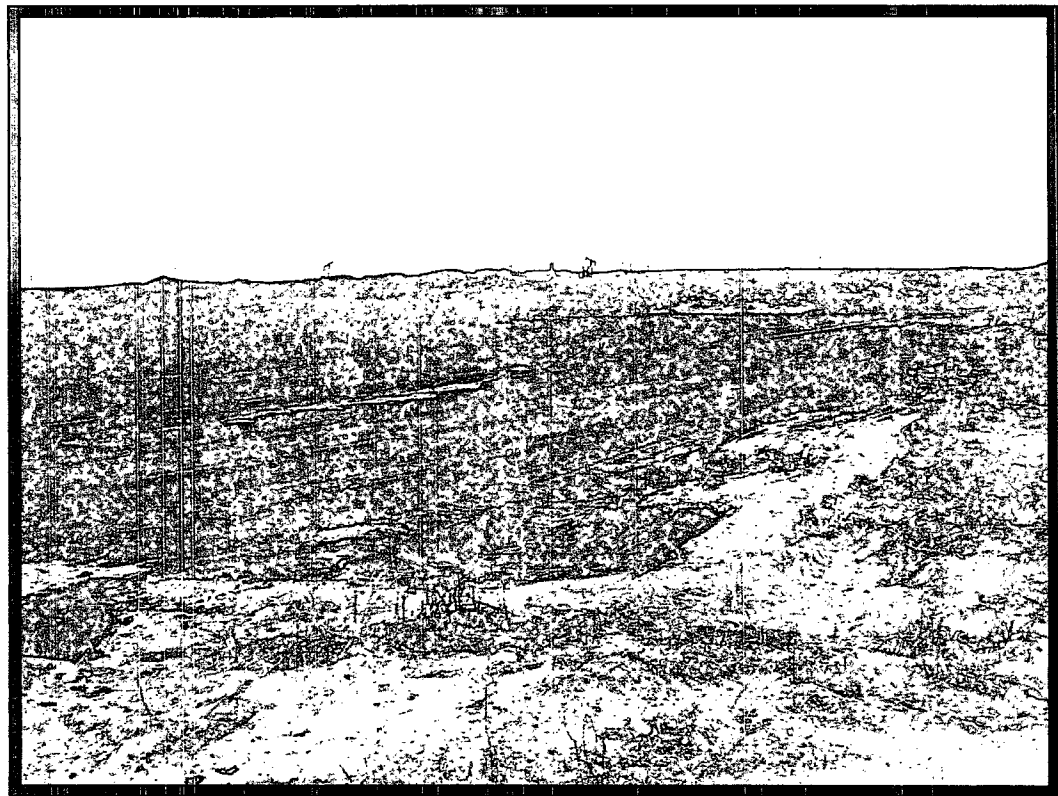
Signature: <i>Dickie Townley</i>	OIL CONSERVATION DIVISION	
Printed Name: Dickie Townley	Approved By:	
Title: Regulatory Coordinator	District Supervisor:	
Date: 12/2/2002	Approval Date:	Expiration Date:
Phone: (505) 748-6712	Conditions of Approval:	Attached <input type="checkbox"/>

* Attach Additional Sheets if Necessary

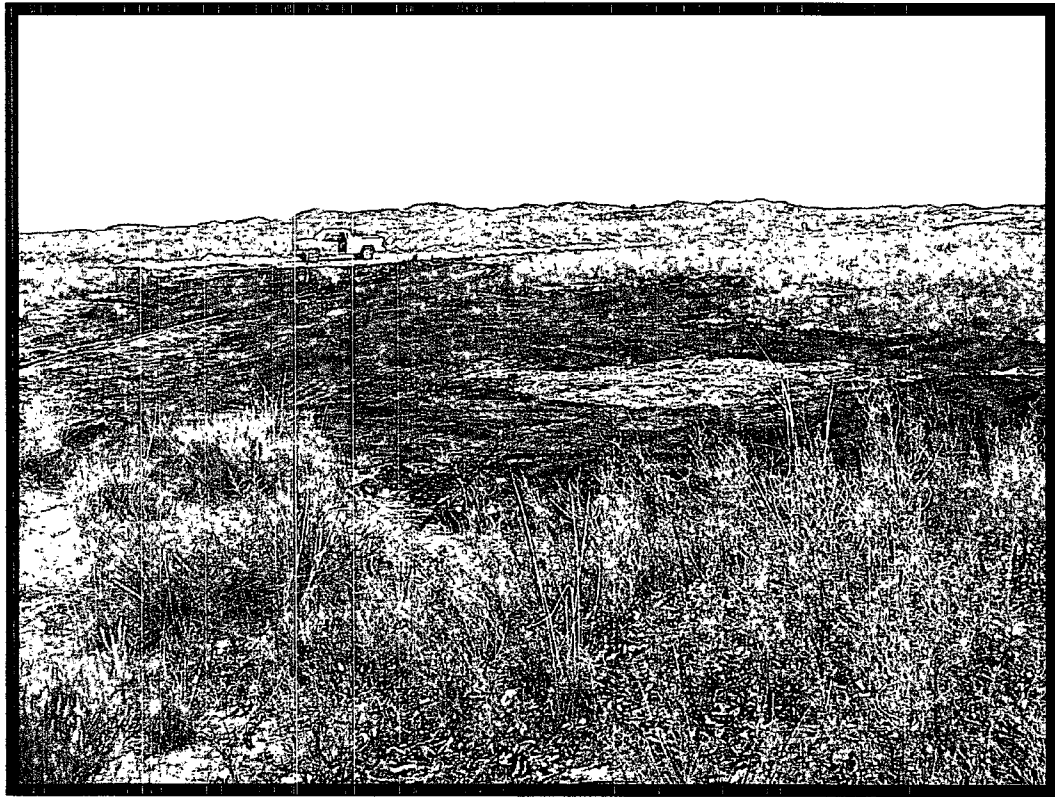
Appendix B Site Photos



Subject Site Looking East



Subject Site Looking North-East



Subject Site Looking West

Johnson, Larry

From: Johnson, Larry
Sent: Tuesday, June 17, 2003 3:31 PM
To: 'Neal.Goates@conocophillips.com'
Subject: Abandon Btry Site

Neal,

What is the status on the site Unit Letter L Sec 19 T 17S 32E? This is the site where someone shot a hole in a 4" Navajo line that was adjacent to an abandon battery site. Some spillage puddled onto the old btry site. BLM rep. Paul Evans and I looked at the site and it was suggested this would present a good opportunity for both C/P and Navajo to partner to premeditate the area at the same time and provide a cost benefit to each of you.

Larry