ENVIRONMENTAL PLUS, INC. Micro-Blaze Micro-Blaze Out™
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

January 5, 2004

Mr. Larry Johnson
Environmental Engineer
New Mexico Oil Conservation Division
1625 North French
Hobbs, New Mexico 88240

Posted in CBDMS
(RF34

Subject: ChevronTexaco Final C-141 and closure documentation

Re: Central Drinkard Unit Tract #3 Battery,
UL F, SE¼ of the NW¼ of Section 33 T21S R37E
Latitude 32° 26' 19.7"N and Longitude 103° 10' 19.0"W

Dear Mr. Larry Johnson,

Environmental Plus, Inc. (EPI), on behalf of Mr. Rick Massey, ChevronTexaco, submits the attached final C-141 and closure report documenting successful remediation and decommissioning of the above referenced site. ChevronTexaco, requests that "no further action be required" at this site. Please direct all official communications to:

ChevronTexaco
Mr. Rick Massey, HSE Champion
P.O. Box 1949
Eunice, New Mexico 88231
email: mriw@chevrontexaco.com

If there are any questions please call Mr. Ben Miller or myself at the office or at 505.390.0288 and 505.390.7864, respectively or Mr. Rick Massey at 505.394.1237.

Sincerely,

Pat McCasland
EPI Technical Services Manager

cc: Nathan Mouser, ChevronTexaco w/enclosure
Rick Massey, ChevronTexaco w/enclosure
Ben Miller, EPI Vice President and General Manager
Sherry Miller, EPI President

P.O. BOX 1558 ••• 2100 WEST AVE. O ••• EUNICE, NEW MEXICO 88231
TELEPHONE 505•394•3481 FAX 505•394•2601

ENVIRONMENTAL PLUS, INC.

ChevronTexaco

CLOSURE REPORT

WORK PLAN IMPLEMENTATION/ REMEDIATION/DECOMMISSIONING DOCUMENTATION

FOR THE

CENTRAL DRINKARD UNIT TRACT #3 BATTERY

UL-F, SE¼ NW¼, Section33
R37E T21S
Lea County, New Mexico
Elevation - 3,462'amsl
Latitude 32° 26' 19.7"N - Longitude 103° 10' 19.0"W

DECEMBER 2003

Prepared by

Environmental Plus, Inc.
2100 Avenue O
P.O. Box 1558
Eunice, New Mexico 88231
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Table of Contents

Executive Summary

From the time the ChevronTexaco Central Drinkard Unit Tract #3 Tank Battery #1 was constructed in the 1960's, releases of natural gas and production fluid consisting of crude oil and briny formation water occurred intermittently resulting in near surface soil contamination of the battery area. This report documents delineation, remediation, and decommissioning of the site consistent with New Mexico Oil Conservation Division NMOCD) Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993) justifying the NMOCD requiring "no further action" at this site. Remediation and decommissioning began on September 29, 2003. The affected site area consisted of the north tank battery area, i.e., ~19, 432 square feet (ft^2) and a south fenced area, i.e., ~2,344 ft^2. Total affected area is ~21,776 ft^2 (300'NS X 80'EW). ChevronTexaco contracted Environmental Plus, Inc. (EPI) of Eunice, New Mexico to characterize the site and excavate and dispose of the contaminated soil at the New Mexico Oil Conservation Division (NMOCD) approved and permitted "Texaco Land Farm" (TLF). Acceptable levels of the Constituents of Concern (CoCs), i.e., Total Petroleum Hydrocarbon EPA method 8015M (TPH^{8015m}), Benzene, and BTEX (the sum of Benzene, Toluene, Ethyl Benzene, and Xylene) in the affected area were encountered generally over the site at 2-4 feet below ground surface ('bgs) and to approximately 19'bgs in the tank area. Acceptable soil chloride delineation levels were also achieved during remediation activities. The total disposal volume was 4,478 yd^3. After confirming acceptable vertical and horizontal delineation concentrations with laboratory analyses and consensus with the NMOCD, the excavation was backfilled with 4,389 yd^3 of clean soil from the Texaco Landfarm, contoured, and reseeded. The site, having been remediated to acceptable levels, justifies the NMOCD requiring "no further action" at this site.

1 Central Drinkard Unit Tract #3 Battery Remediation Work Plan

This plan remediated, decommissioned, and restored the impacted surface area to an acceptable agricultural state and removed soil contaminated above New Mexico Oil Conservation Division (NMOCD) guidelines. The Constituents of Concern (CoCs) were Total Petroleum Hydrocarbon using EPA method 8015M (TPH^{8015m}), Benzene, BTEX, i.e., the sum of Benzene, Toluene, Ethyl Benzene, and m, p, & o Xylenes, and soil Chloride. This Site Specific Remediation Work Plan provided quality analytical information and documents remediation activities justifying a "no further action" declaration from the NMOCD.

1.1 Remediation Strategy and Objective

The site was delineated during excavation with soil disposal as the remediation strategy. The objectives of the plan were to;

- Document achievement of acceptable environmental thresholds established by the NMOCD and
- Restore the impacted surface area to an acceptable agricultural state.

1.2 Occurrence

Multiple historical releases of production fluid and natural gas over the life of the facility resulted in the environmental impact.

1.3 Site Description

The site is located 0.2 miles, east of Eunice, New Mexico in an area of several small ranchettes consisting of family dwellings and livestock pens. A site map is included as Attachment I.

1.3.1 Historical Use

This land is owned by the Eunice Industrial Development Committee and historically used for oil and gas production facilities.

1.3.2 Legal Description

The legal description is Unit Letter F, SE¼ of the NW¼ of Section 33, Range 37 East, Township 21 South, Lea County, New Mexico, at an elevation of 3,462'amsl at Latitude 32° 26' 19.7"N and Longitude 103° 10' 19.0"W.

1.3.3 Photographic documentation

Photographs of the site are included as Attachment II.

1.3.4 Ecological Description

The surrounding area is an intergrade of the Lower Great Plains and the Upper Chihuahuan Desert Biomes consisting primarily of hummocky sand dunes dominated by typical desert grasses and weeds with interspersions of Harvard Shin Oak (Querqus harvardi) and Honey Mesquite (Prosopis glandulosa). Mammals present, include Orrd's and Merriam's Kangaroo Rat, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, and the Mule Deer. Reptiles, Amphibians, and Birds are numerous and typical of area. A survey of Listed, Threatened, or Endangered species has not been conducted.

1.3.5 Environmental Media Characterization

Chemical parameters of the soil were characterized consistent with the New Mexico Oil Conservation Division (NMOCD) guidelines published in the following documents;

- Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)
- Unlined Surface Impoundment Closure Guidelines (February 1993)

Acceptable "Site Specific" thresholds for contaminants of concern, i.e., Benzene, Chloride, TPH^{8015m}, and BTEX, were determined based on the following;

- Depth to Ground water, i.e., distance from the lower most acceptable concentration to the ground water.
- Wellhead Protection Area, i.e., distance from fresh water supply wells.
- Distance to Surface Water Body, i.e., horizontal distance to all down gradient surface water bodies.

1.3.5.1 Ground Water Level

According to the Office of the New Mexico State Engineer ground water level database, the average depth to ground water 77.8'bgs. The wells are plotted on the topographical map in Attachment I and the well reports are included Attachment IV.

Well	Tws	Rng	Sec	Well Depth	Water Level
CP322	21S	37E	28	138	73
CP711	21S	37E	28	100	65
CP726	21S	37E	33	125	100
CP736	21S	37E	27	120	76
CP749	21S	37E	28	123	75
				Average	77.8

1.3.5.2 Depth to Ground Water Calculation

The calculated depth to ground water, i.e., "the vertical distance from the lowermost contaminants to the seasonal high water elevation of the ground water," for the hydrocarbon source term, i.e., TPH^{8015m}, Benzene, and BTEX, this was determined to be 58.8'bgs.

1.3.5.3 Ground Water Gradient

According to the USGS Ground Water Report #6 (Nicholson & Clbesch), the gradient is to the southeast.

1.3.5.4 Wellhead Protection Area

There were no domestic use wells observed within a 1000' radius of the site.

1.3.5.5 Distance to Nearest Surface Water Body

There are no naturally occurring surface water bodies located within a 1 mile radius of the site.

1.3.5.6 Soil Assessment

Volatile Organic Compounds/Constituents (VOCs) headspace was used to determine when samples should be collected and ascensioned to the laboratory for analysis. For TPH^{8015m} analyses, 5-point composite samples were collected from the excavation side walls and bottom. Consistent with the NMOCD Guidelines, field VOC Headspace data is being submitted "in lieu" of laboratory Benzene and BTEX analyses.

1.3.5.7 Ground Water Assessment

The ground water level is conservatively estimated to occur at ~77.8 feet bgs. The soil assessment did not indicate that the ground water had been impacted by the hydrocarbon source term.

1.3.6 NMOCD Site Ranking and Remedial Goals

The Site information and Metrics form in Attachment V summarizes the information about the site, shows a site ranking of 10 points, and sets the following remedial goals for the CoCs.

Benzene	10 ppm
BTEX	50 ppm
VOC Headspace	<100 ppm
TPH^{8015m}	1000 ppm

1.4 Data Quality

All laboratory analytical results were within the data quality objectives listed below.

- Laboratory data must have > 75% recovery for TPH and BTEX and >75% recovery for general chemistry parameters.
- Laboratory data must have <15% Relative Percent Difference
- Field headspace analyses must be supported with instrument calibration data and calibration gas certification.

Duplicates or blanks were not submitted to the laboratory.

1.5 Project Safety

Hazards and nuisances encountered at this site included the following;

- Moving equipment
- Buried pipelines
- Highway ingress/egress
- Excavation
- Potential Hydrogen Sulfide Gas
- Perimeter Monitoring for crude oil and natural gas vapors
- Fugitive Dust
- Nuisance Odor

Employees and subcontractors were required to confirm current training in these hazards and oriented to the nuisance issues that could affect local residents. Standard personal protective equipment included;

- Personal H_2S Monitor
- Hard-hat
- Safety Glasses
- Excavation Safety
- Steel Toed Boots/Shoes

1.1 Process/Procedure

The following sequence was used to guide project implementation.

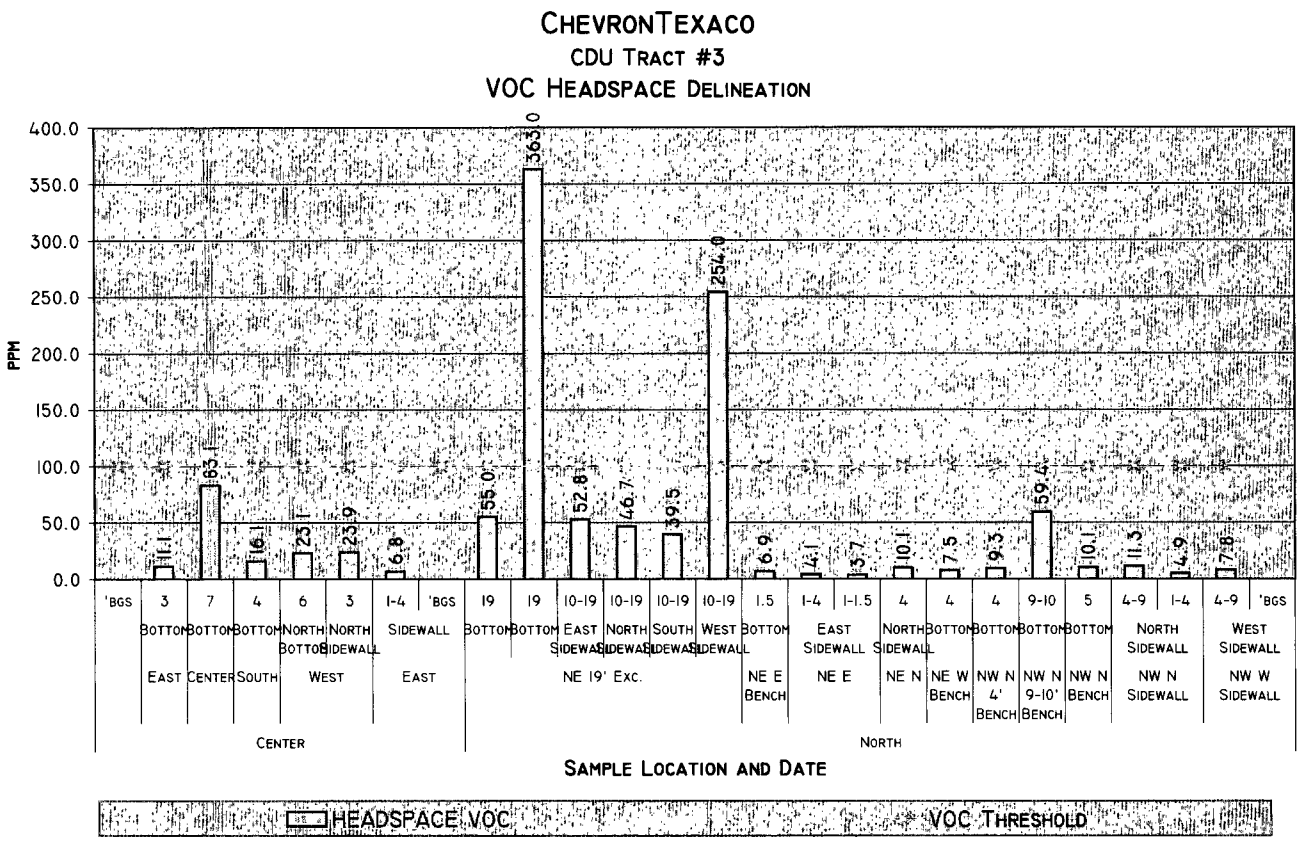
1. Site visit: Photograph and map
2. Issue "One Call" and notifying utilities
3. Complete the "Chevron Digging Permit" and Job Safety Analyses for each specific task and signature approval process.
4. Locate, hand spot, and mark buried lines or other structures
5. Overhead power lines are not present and will not be a hazard.
6. Lockout/Tagout: Pipeline companies notified of activity but LO/TO unnecessary
7. Procedure: Equipment required will be: Loader, Excavator, Dump Trucks
    - Daily Tail gate safety meetings and PPE check
    - Excavation Safety Checklist Form
    - Excavate visibly contaminated soil and stockpile
    - Haul stockpiled soil to NMOCD approved facility
    - Conduct field VOC headspace analyses on selected samples
    - Collect Composite Samples of the selected areas for laboratory analysis
    - Review data and calculate "Depth to Ground Water"
    - Backfill excavations with volume consistent with disposal volume
    - Photograph
    - Develop and issue site specific report
    - Reseed surface

2 Work Plan Implementation and Closure

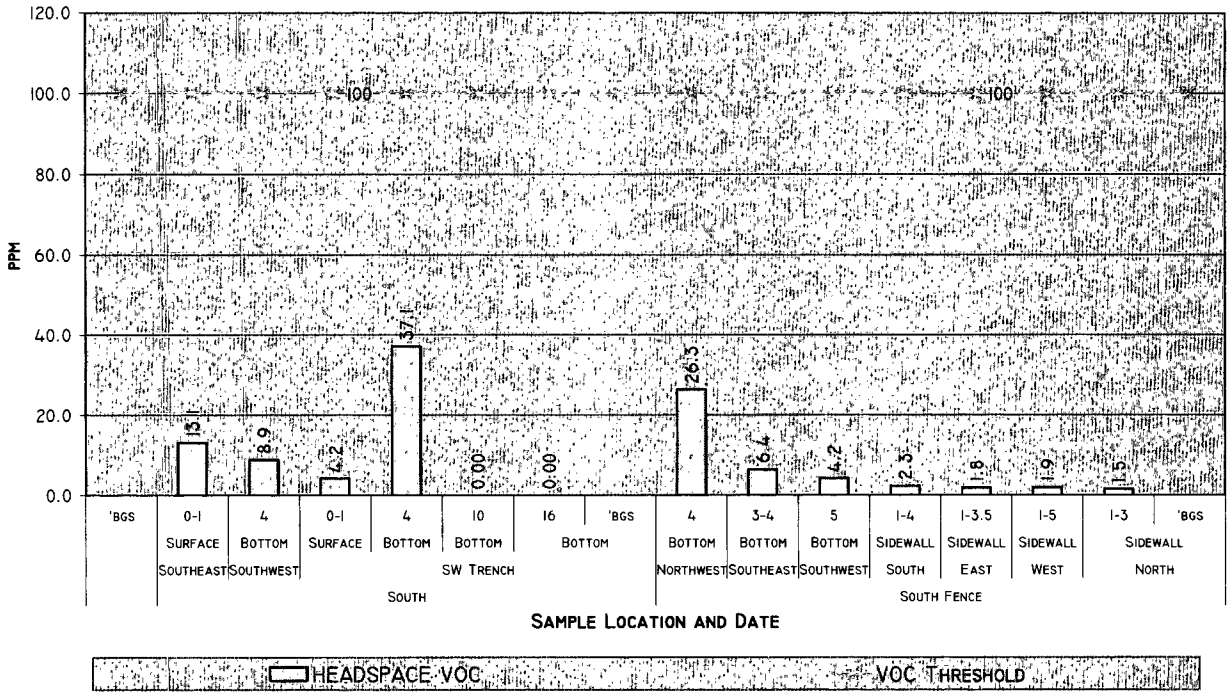
The process of excavating and disposing of contaminated soil and field surveying began on September 29, 2003 with the backfilling and reseeding phase completed on October 27, 2004.

2.1 Excavation and Composite Sampling

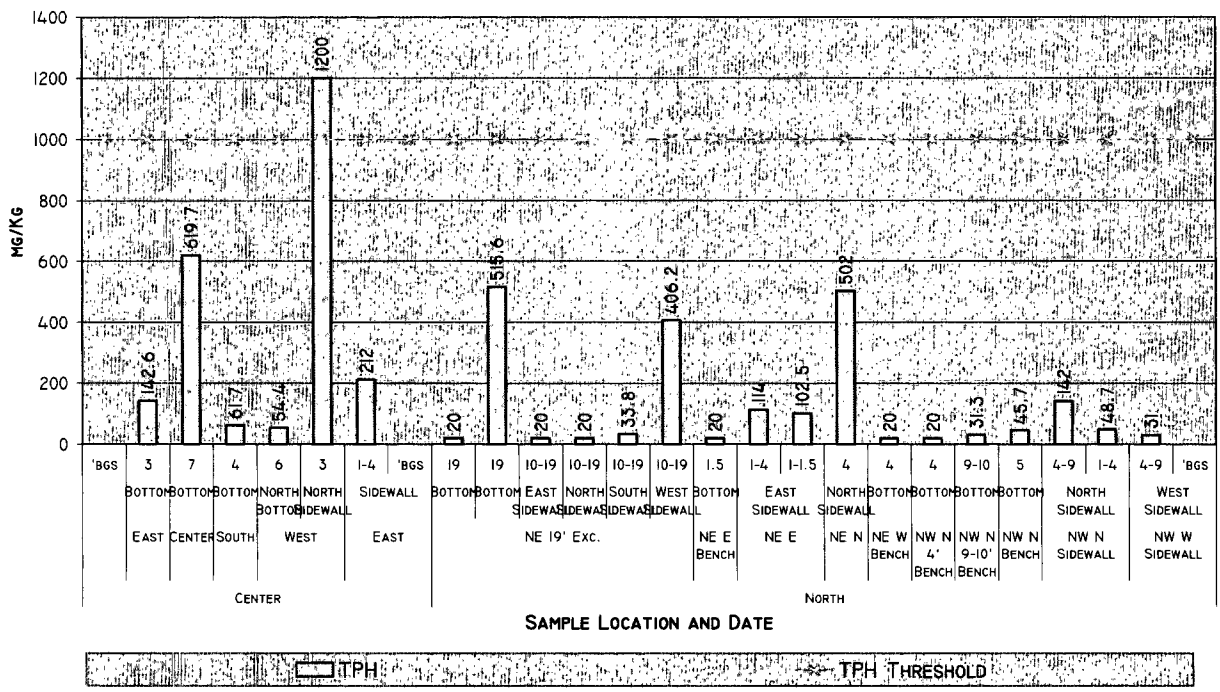
Acceptable levels of the CoCs in the affected area were encountered generally over the site at 2-4 feet below ground surface ('bgs) and to approximately 19'bgs in the tank area. Acceptable soil chloride delineation levels were also achieved during remediation activities. Laboratory analytical services were provided by Cardinal Laboratories in Hobbs, New Mexico. The original laboratory analytical reports and data summary are included as Attachment III and the VOC Headspace, TPH^{8015m}, and Chloride data are illustrated below.



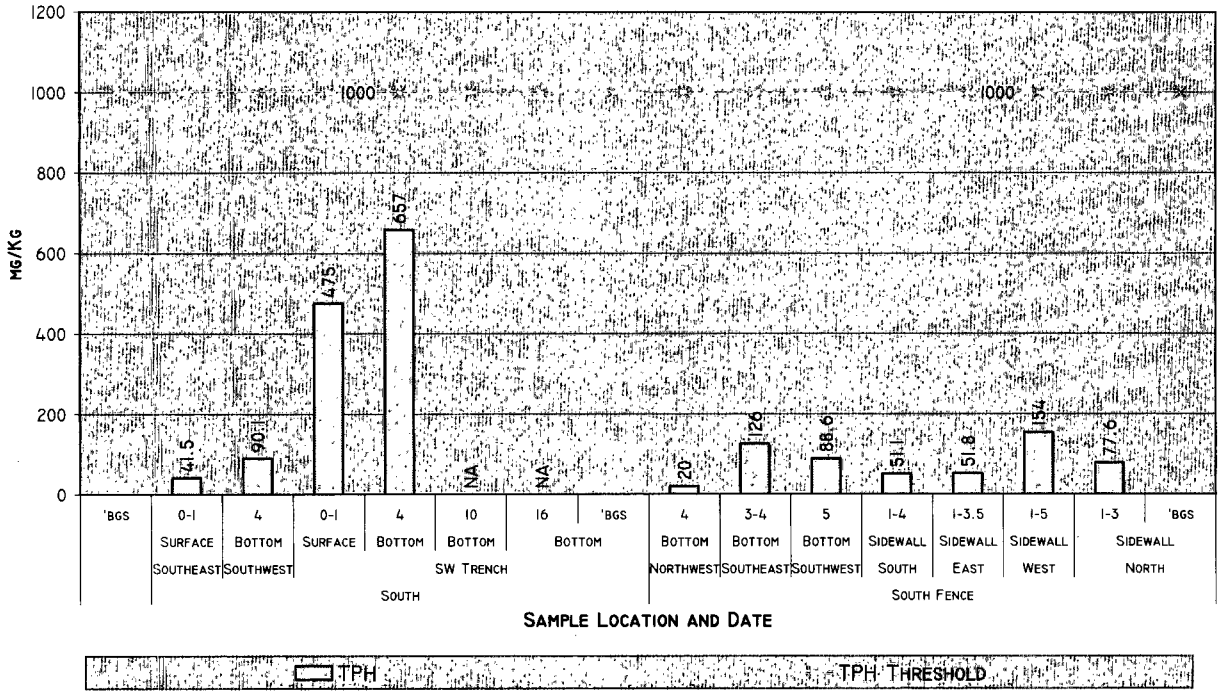
ChevronTexaco
CDU Tract #3
VOC Headspace Delineation



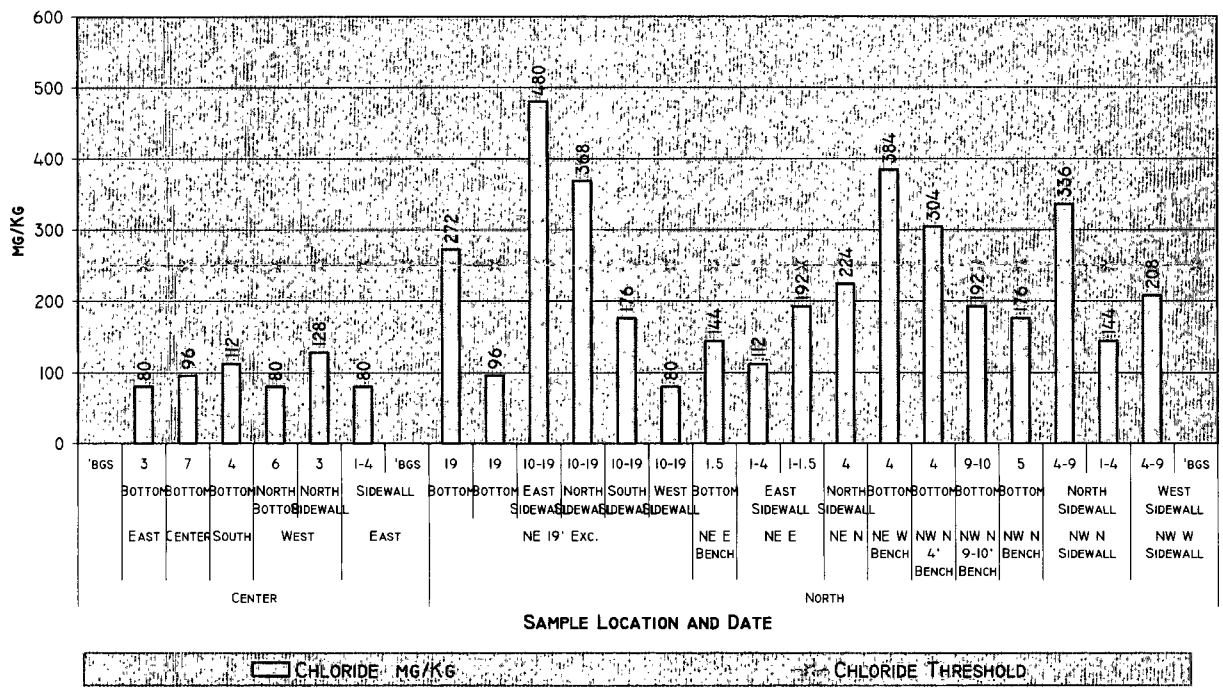
ChevronTexaco
CDU Tract #3
Total Petroleum Hydrocarbon 8015M Delineation

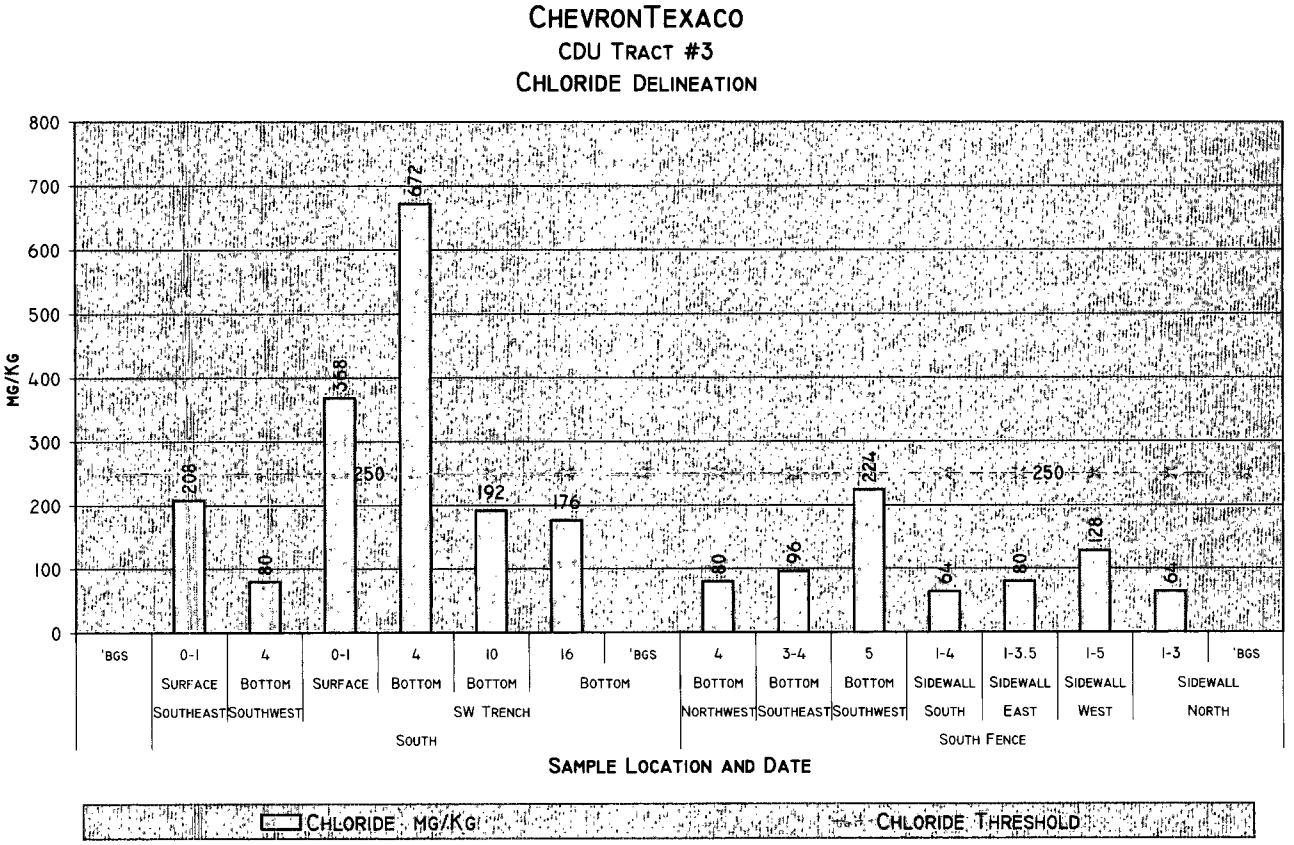


ChevronTexaco
CDU Tract #3
Total Petroleum Hydrocarbon 8015M Delineation



ChevronTexaco
CDU Tract #3
Chloride Delineation





2.2 Discussion of Data

The NMOCD remedial goals were achieved for all site areas and intervals. Exceedances illustrated above were removed and disposed of. Moreover, VOC headspace field data of <100 ppm for the composite samples support the acceptability of the grab sample BTEX data, i.e., 50 mg/Kg.

2.3 Soil Disposal and Backfilling

Under chain of custody, 4,478 yd^3 was disposed of in the NMOCD approved and permitted Texaco Land Farm with a sufficient volume of clean backfill soil, i.e. 4,398 yd^3, obtained from the TLF used to bring the excavation to grade.

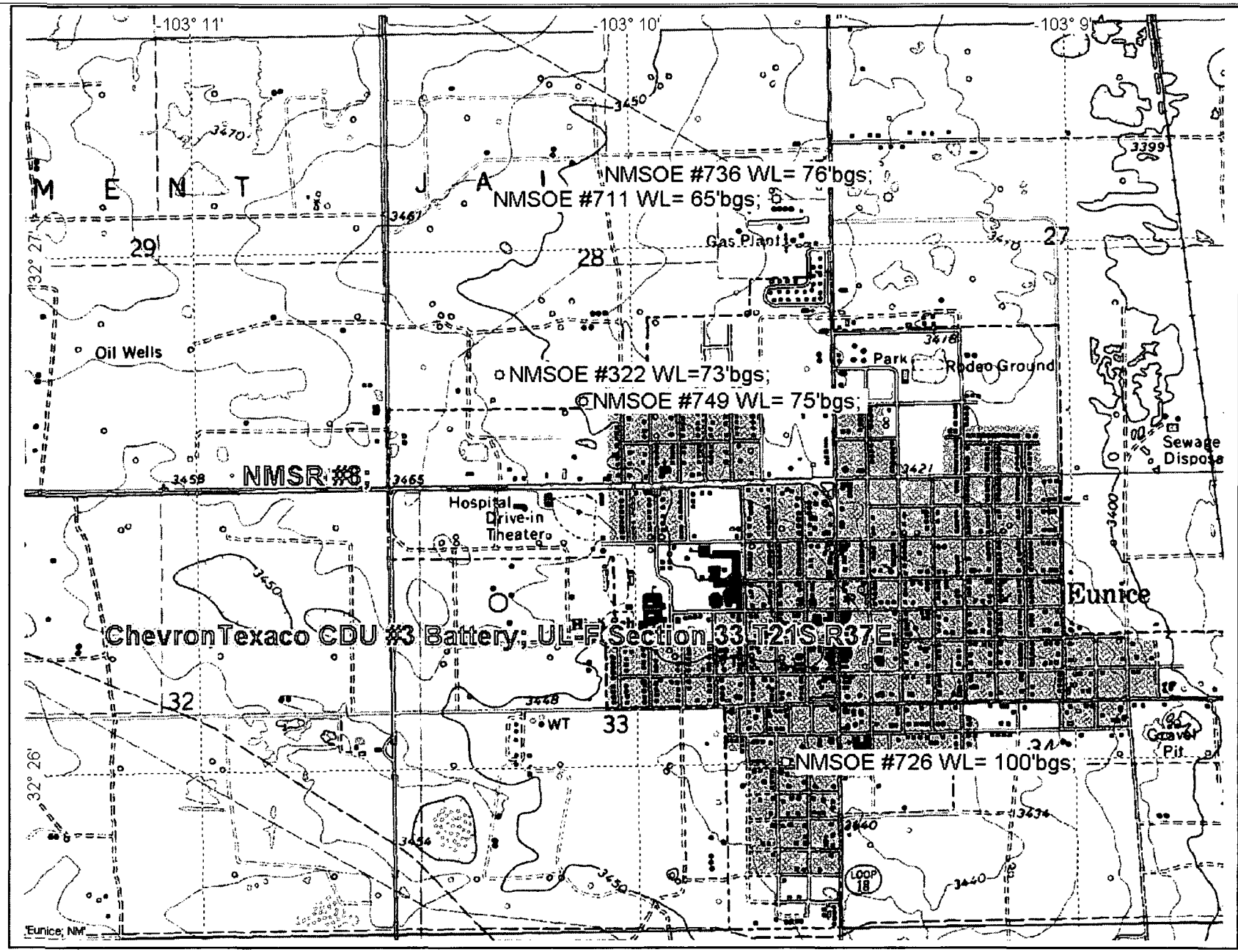
2.4 Reseeding

The site was reseeded with native grasses in November 2003 and will be evaluated in the Spring of 2004.

2.5 Conclusion

Production fluid contamination at this site resulted in soil contamination above the NMOCD remedial guidelines. The data support the conclusion that the site has been remediated to acceptable levels for the CoCs and, as such, justifies the NMOCD requiring "no further action" at this site.

Attachment I: Site Maps


-103° 11'
-103° 10'
-103° 9'
32° 27'
32° 26'
NMSOE #736 WL= 76'bgs;
NMSOE #711 WL= 65'bgs;
NMSOE #322 WL=73'bgs;
NMSOE #749 WL= 75'bgs;
NMSOE #726 WL= 100'bgs;
NMSR #8;
ChevronTexaco CDU #3 Battery; UL-F Section 33, T21S, R37E
Oil Wells
Gas Plant
Park
Rodeo Ground
Sewage Disposal
Hospital
Drive-in Theater
Eunice
Gravel Pit
WT
LOOP 18
Eunice, NM
29
28
27
32
33
3470
3450
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3421
3400
3448
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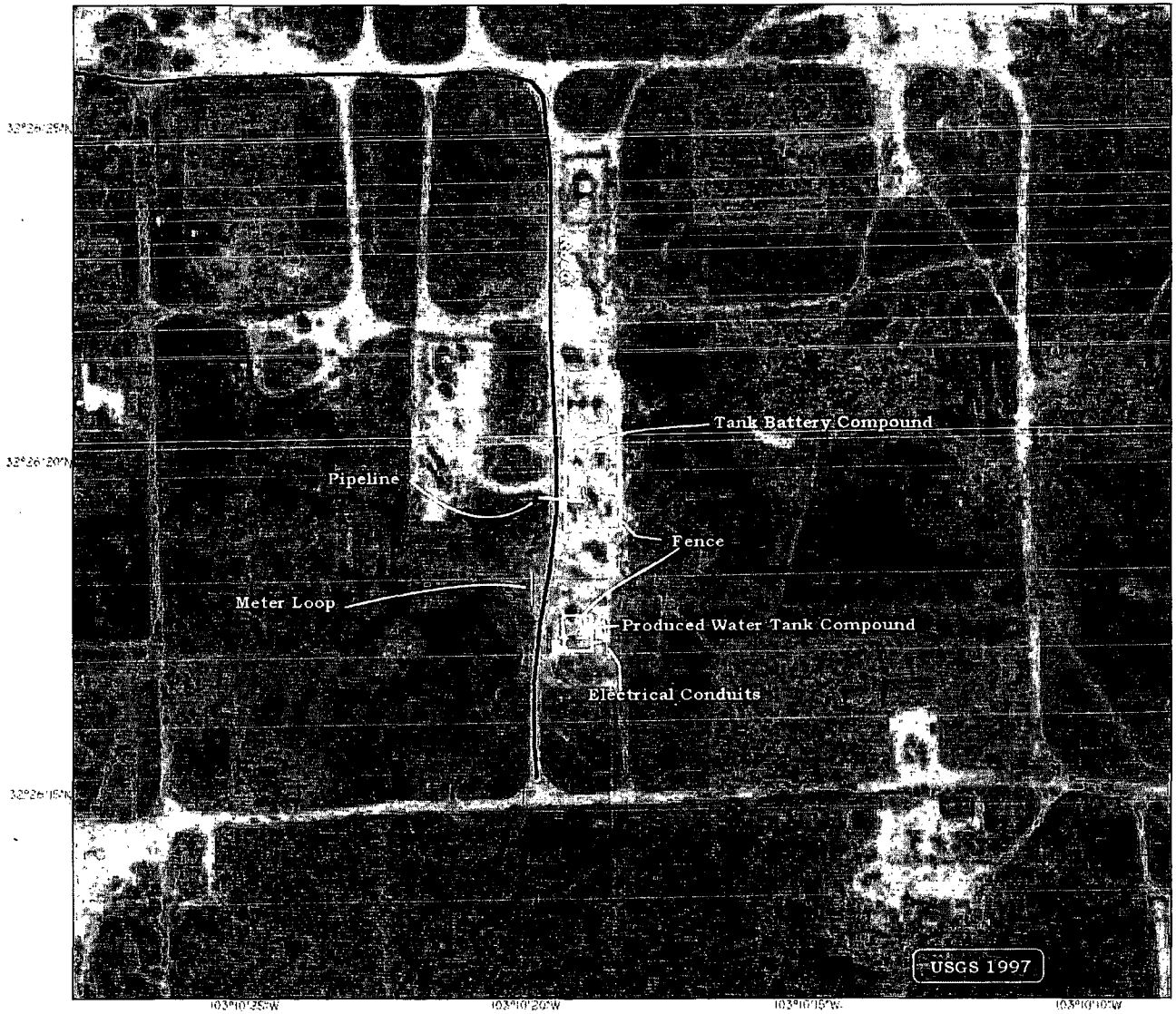
3434
3440



CHEVRONTEXACO
CENTRAL
DRINKARD UNIT
TRACT #3
UL-F SEC 33
T21S R37E
TANK BATTERY
COMPOUND AREA
~19,432 SQFT
WATER TANK
COMPOUND AREA
~2,344 SQFT

N

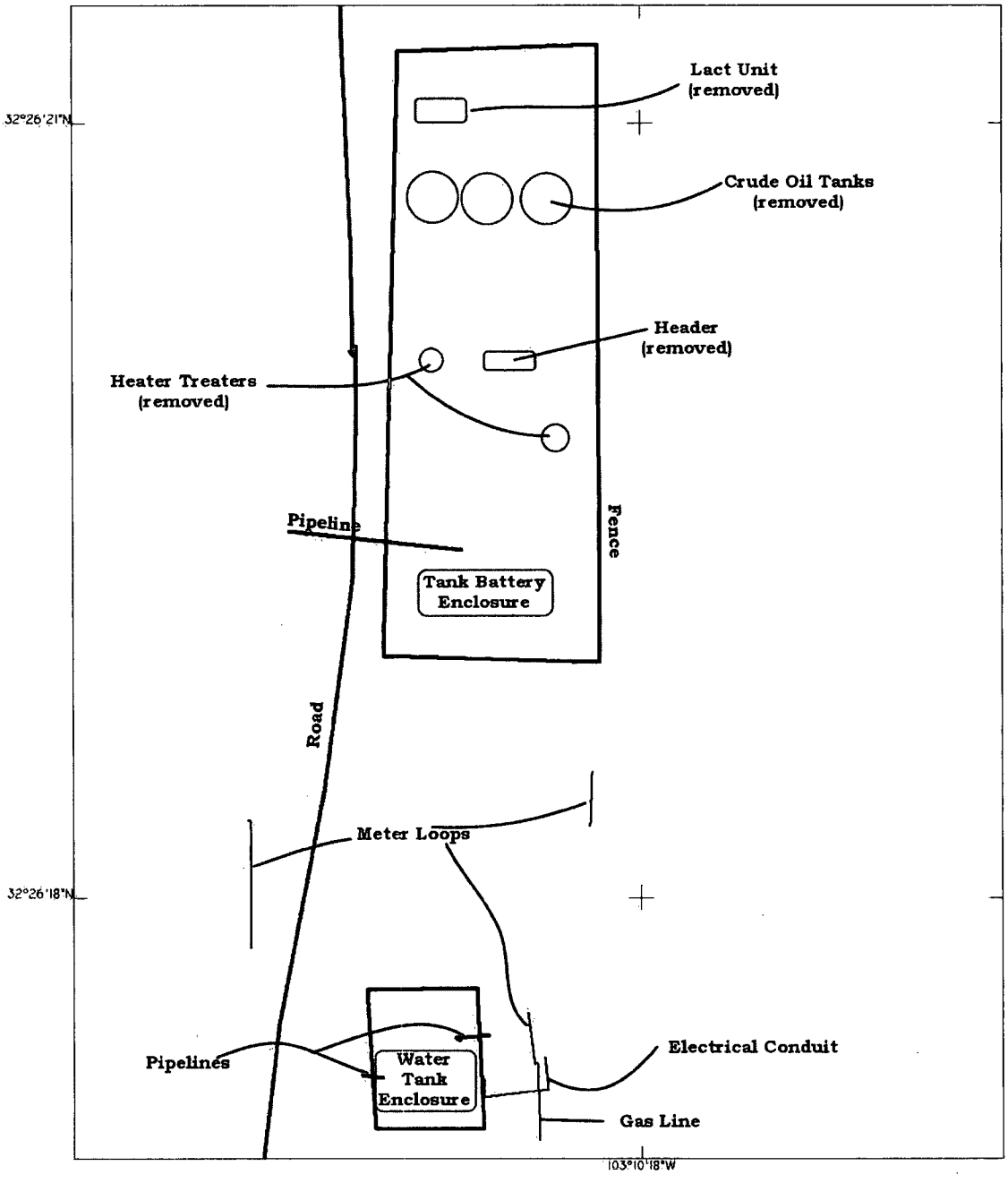
SCALE 1:3,000

0 300.0

FEET

UNIVERSAL TRANSVERSE MERCATOR
13 NORTH
NAD 1983 HPGN (NEW MEXICO)

CHEVTEX CDU #3.COR
9/24/2003



CHEVRONTEXACO CENTRAL DRINKARD UNIT TRACT #3
UL-F SECTION 33 T21S R37E LEA CO NM
BATTERY AREA ~ 19,432 SQFT / WATER TANK AREA ~2,344 SQFT

LAT/LONG
WGS 1984

N

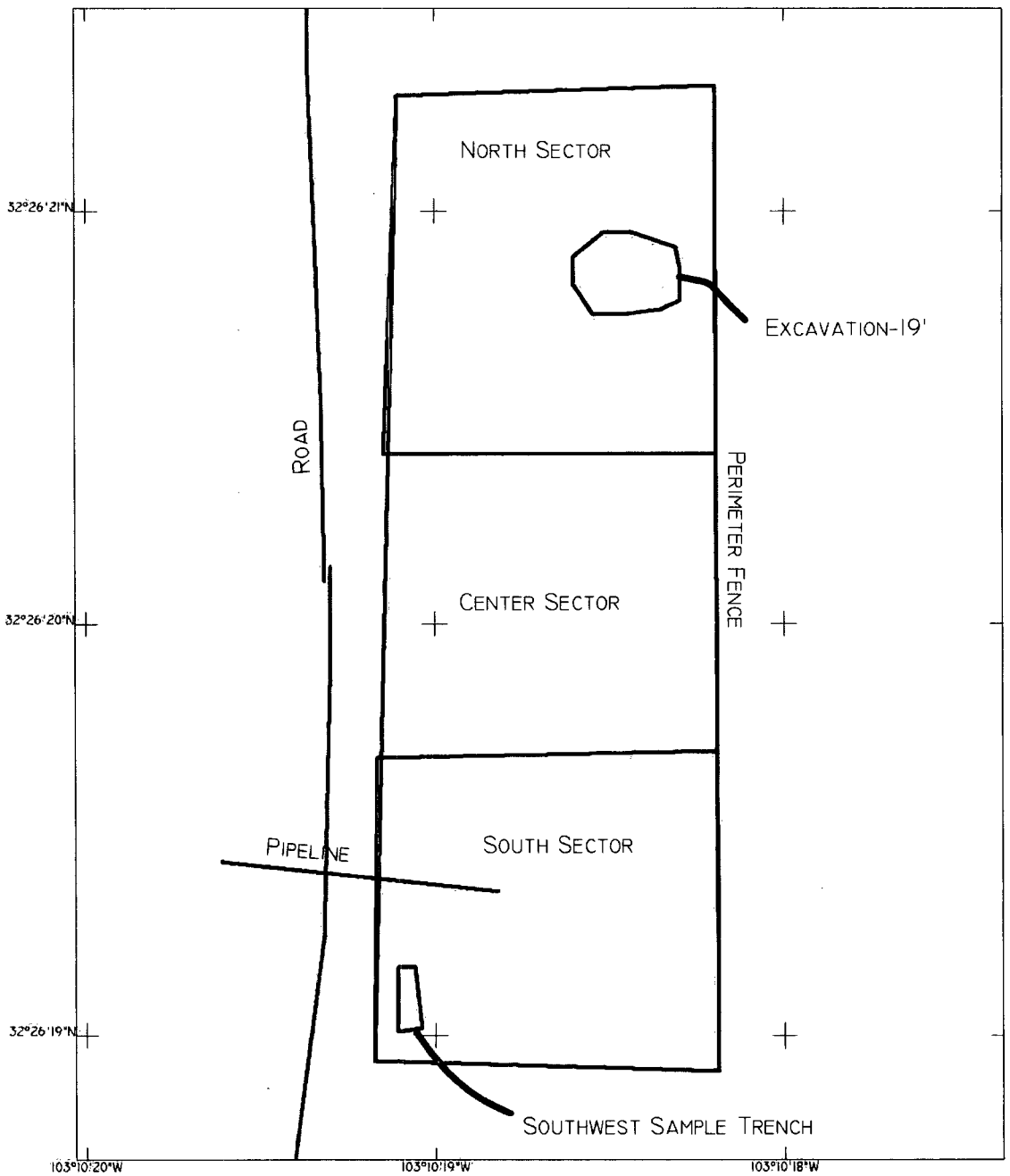
SCALE 1:800

0 100.0

FEET

CHEVTEX CDU #3.COR

9/25/2003



CHEVRONTEXACO CENTRAL DRINKARD UNIT TRACT #3 BATTERY
UL-F SEC 33 T21S R37E LEA COUNTY NEW MEXICO
SAMPLING SECTOR MAP

LAT/LONG
WGS 1984

N

SCALE 1:500

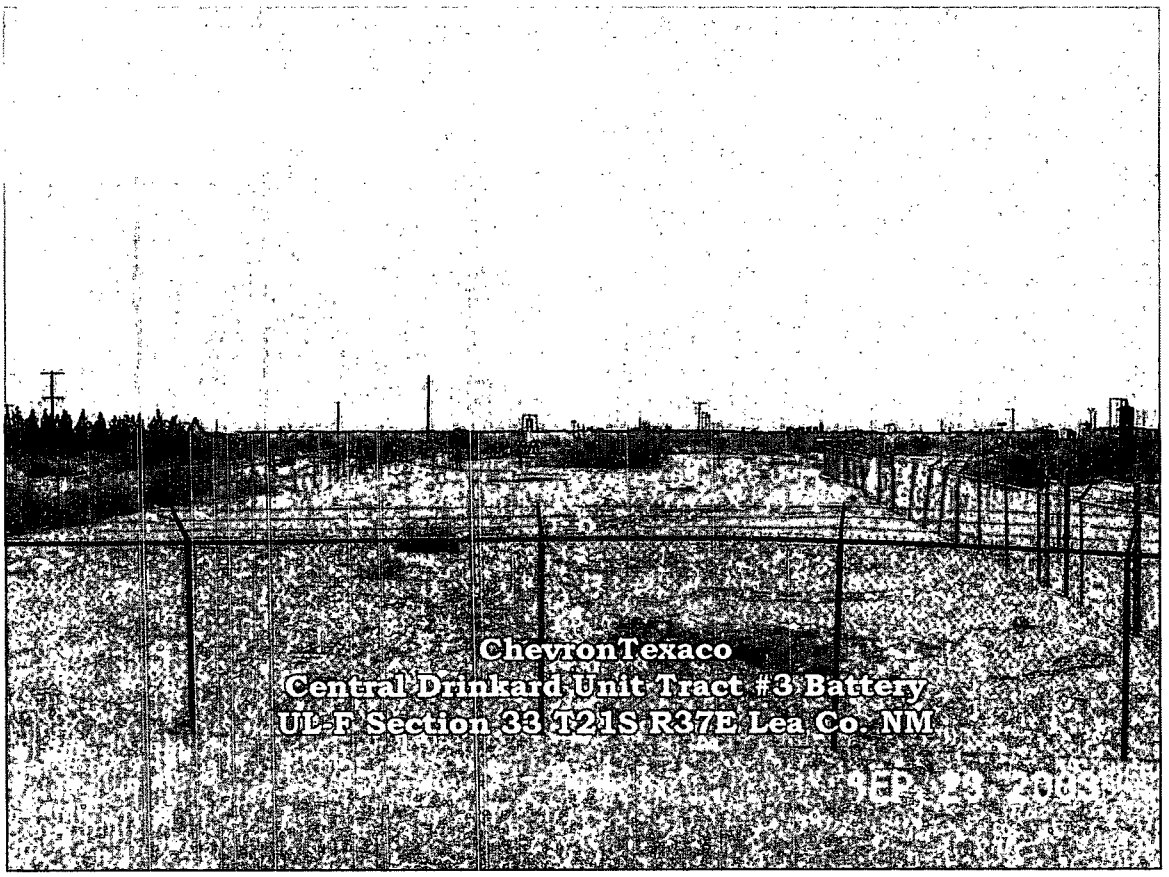
0 60.00

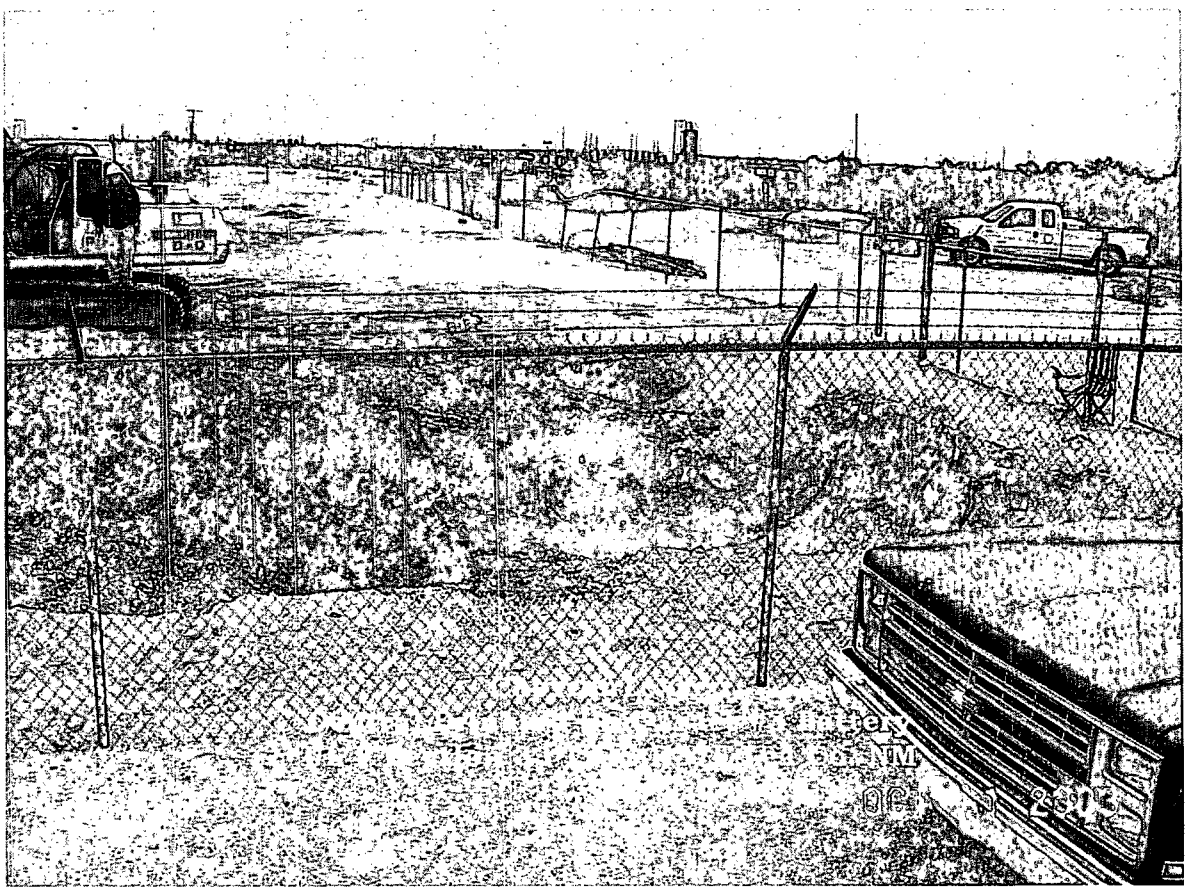
FEET

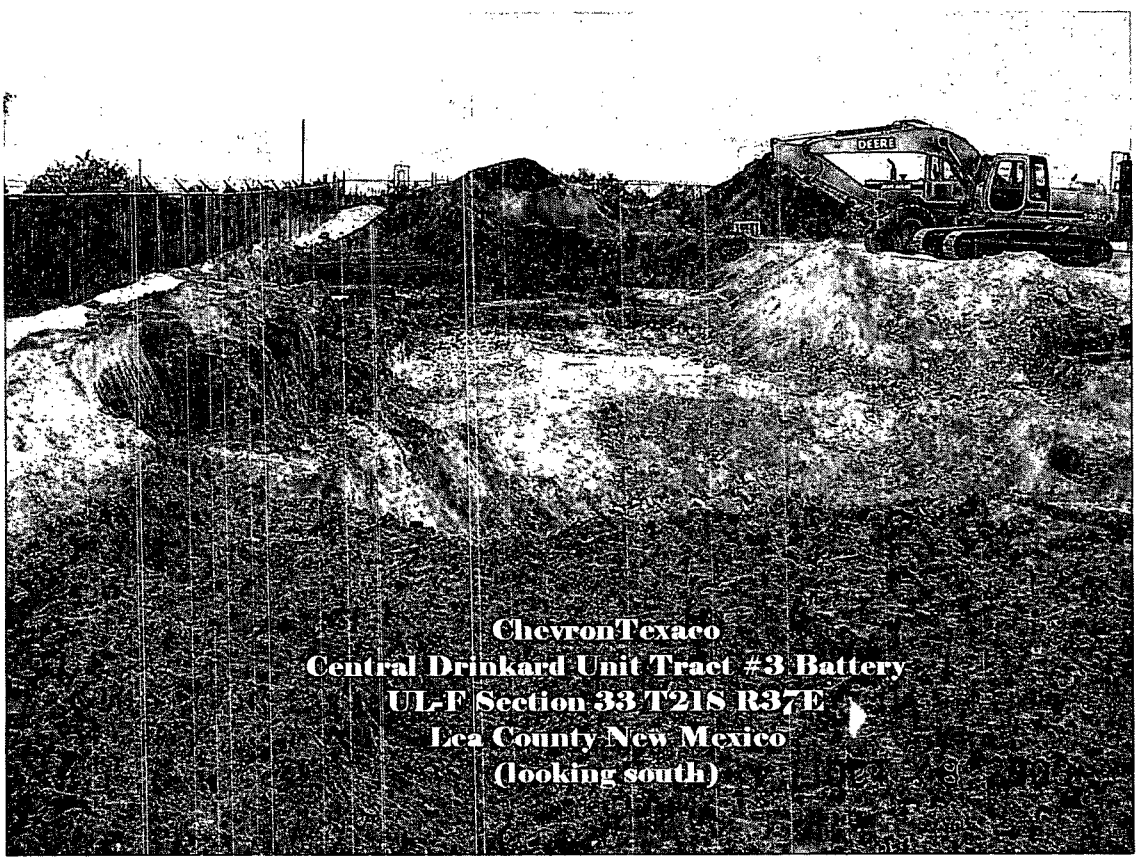
CHEVTEX CDU #3.COR

1/3/2004

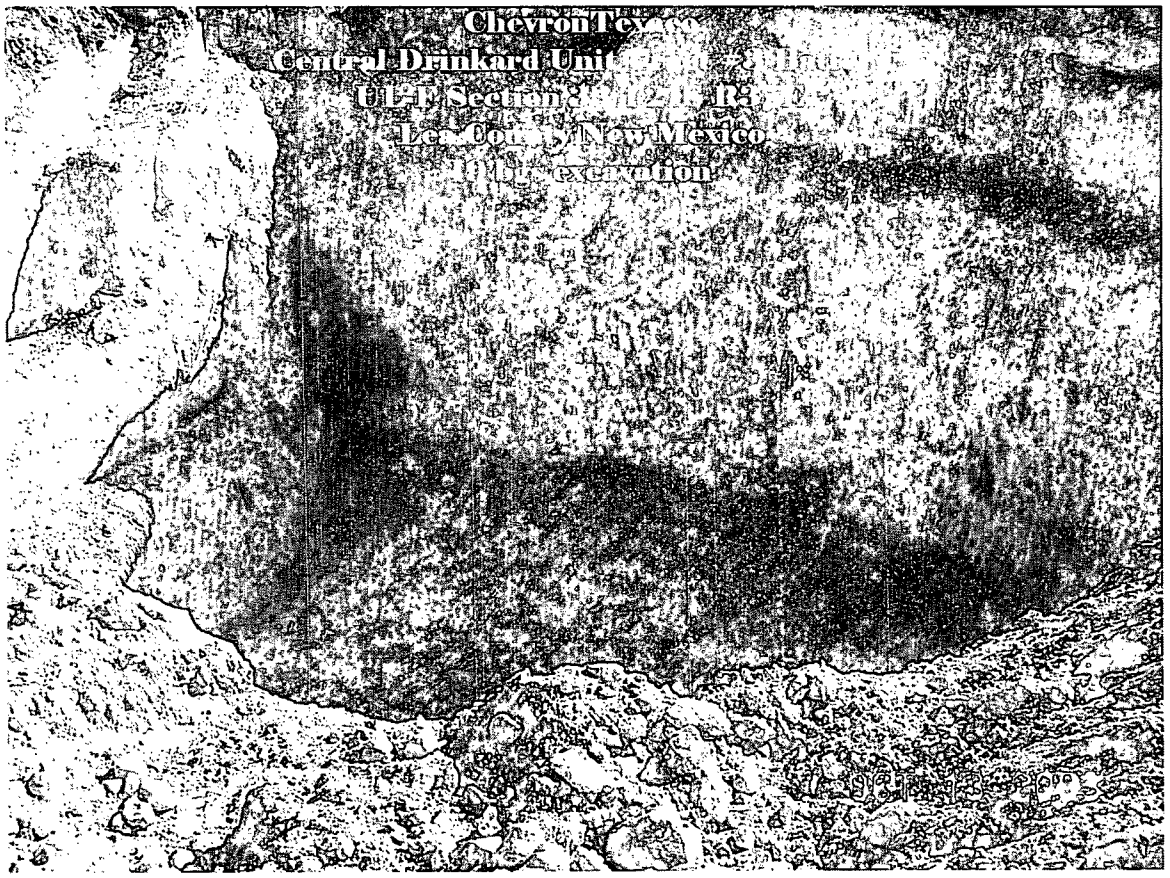
Attachment II: Photographs

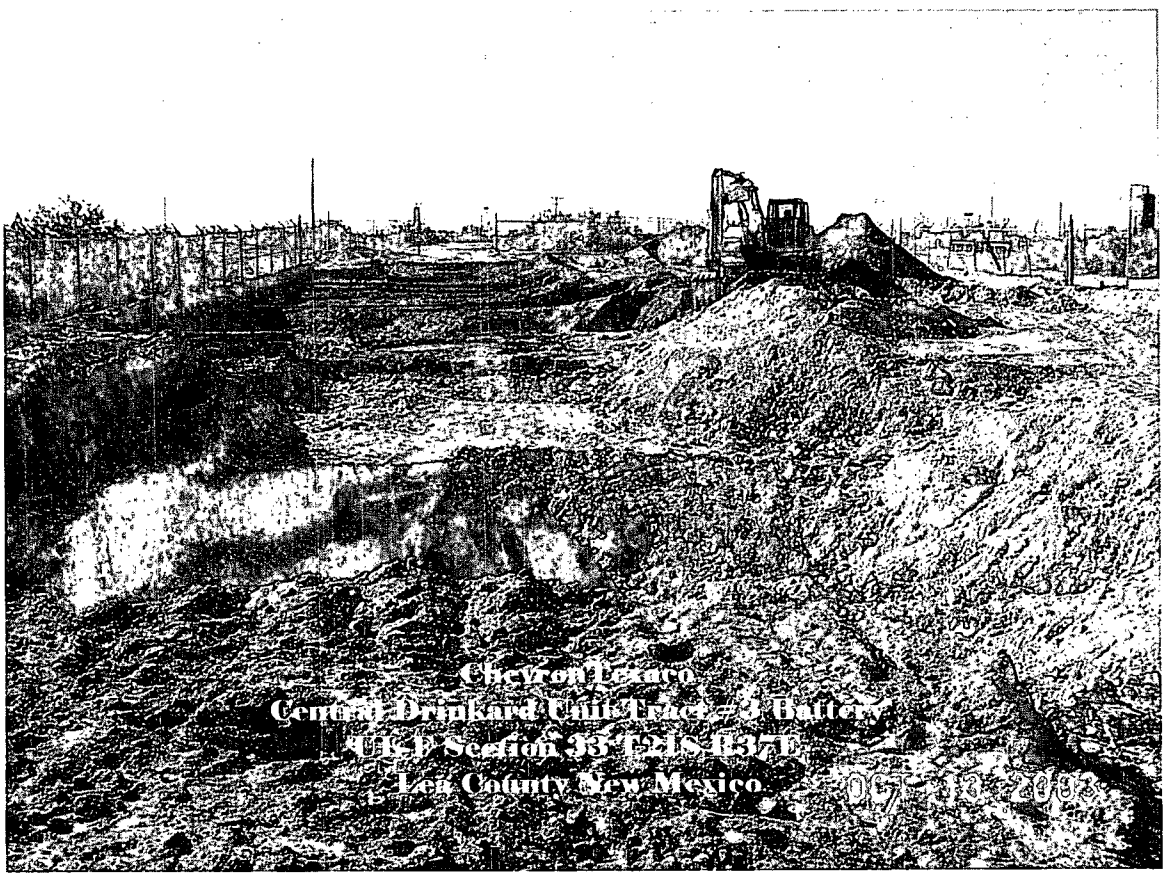

ChevronTexaco
Central Drinkard Unit Tract #3 Battery
UL-F Section 33 T21S R37E Lea Co. NM

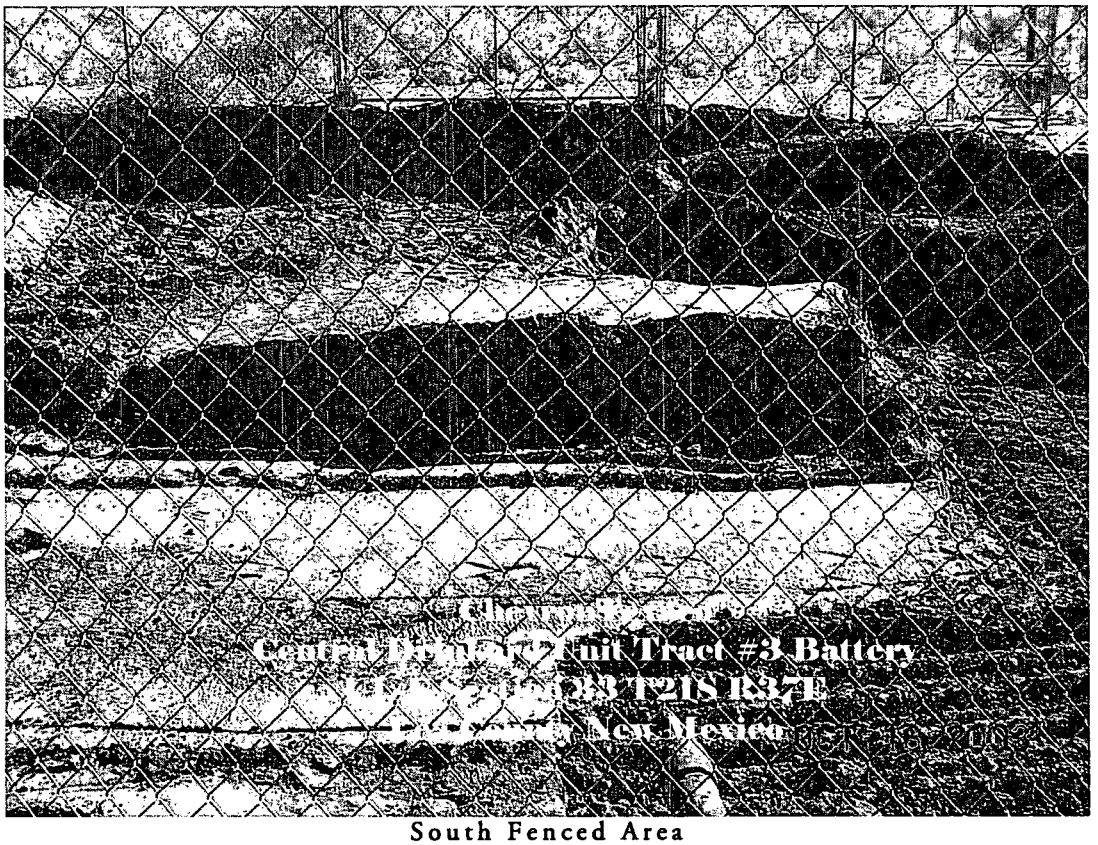




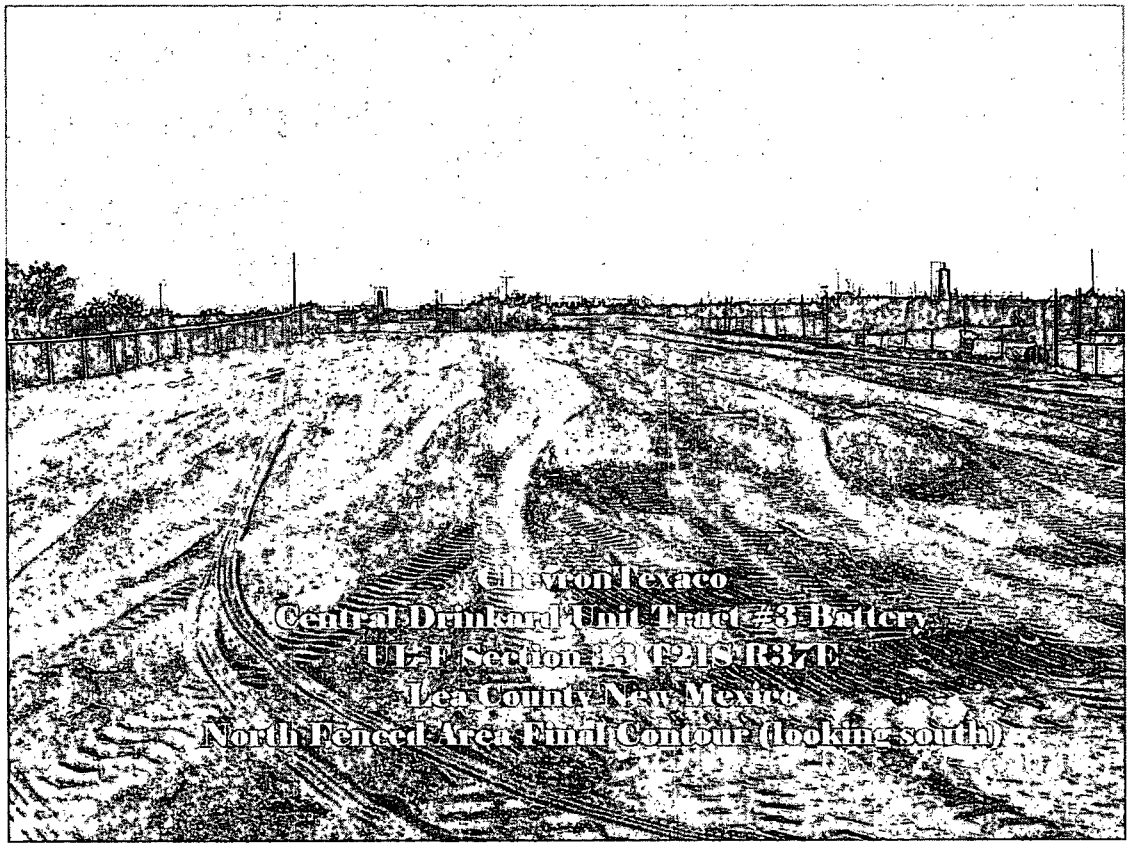
ChevronTexaco
Central Drinkard Unit Tract #3 Battery
UL-F Section 33 T21S R37E
Lea County New Mexico
(looking south)


ChevronTexaco
Central Drinkard Unit
U.L.P. Section 3
Lea County, New Mexico
Excavation


ChevronTexaco
Central Drinkard Unit Tract #3 Battery
U.L.P. Section 33 T-24S R-37E
Lea County New Mexico
07-16-2003



South Fenced Area



Chevron Texaco
Central Drinkard Unit Tract #3 Battery
UL-F Section 33 T21S R37E
Lea County, New Mexico
North Fenced Area - Final Contour (looking south)

Chevron Texaco
Central Drinkard Unit Tract #3
UL-F Section 33 T21S R37E Lea Co. NM

Attachment III: Analyses

Sector	Quadrant and Location	Description	Sample Type	Sampling Interval (FT. BGS[1])	SAMPLE ID#	Date	Lithology	HEADSPACE VOC[2] (ppm)	GRO[3] mg/Kg	DRO[4] mg/Kg	TPH[5] mg/Kg	BTEX mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ehtyl Benzene mg/Kg	m,p-o Xylene mg/Kg	Chloride mg/Kg
CENTER	EAST	Bottom	Composite	3	SCTCDU3101503CE	10/15/2003	Sand	11.1	62.6	80	142.6	na	na	na	na	na	80
CENTER	CENTER EXCAV.	Bottom	Composite	7	SCTCDU3101503CEX	10/15/2003	Sand	83.1	20.7	599	619.7	na	na	na	na	na	96
CENTER	SOUTH EXCAV.	Bottom	Composite	4	SCTCDU3101503CS	10/15/2003	Sand	16.1	*10*	51.7	61.7	na	na	na	na	na	112
CENTER	WEST	North Bottom	Composite	6	SCTCDU3101503CWN	10/15/2003	Sand	23.1	*10*	44.4	54.4	na	na	na	na	na	80
CENTER	WEST	North Sidewall	Composite	3	SCTCDU3101503CWNSW	10/15/2003	Sand	23.9	*10*	1190	**1200**	na	na	na	na	na	128
CENTER	EAST	Sidewall	Composite	1-4	SCTCDU3101503ESW	10/15/2003	Sand	6.8	*10*	202	212	na	na	na	na	na	80
NORTH	NE 19' EXC.	Bottom	5 pt-Composite	19	SCTDU3100903NEQC19	10/9/2003	Sand/Caliche	55.0	*10*	*10*	*20*	*0.03*	*0.005*	*0.005*	*0.005*	0.015	**272**
NORTH	NE 19' EXC.	Bottom	5 pt-Composite	19	SCTCDU310100319'BC	10/10/2003	Sand/Caliche	363.0	58.6	457	515.6	0.04	*0.005*	0.008	0.006	0.019	96
NORTH	NW N 9-10' BENCH	Bottom	5 pt-Composite	9-10	SCTCDU3101003NBWQ9-10'C	10/10/2003	Sand	59.4	*10*	21.3	31.3	na	na	na	na	na	192
NORTH	NW N BENCH	Bottom	5 pt-Composite	5	SCTCDU3101003NBWQ5'C	10/10/2003	Sand	10.1	*10*	35.7	45.7	na	na	na	na	na	176
NORTH	NW N 4' BENCH	Bottom	Composite	4	SCTCDU3101003NBWQ4'C	10/10/2003	Sand	9.3	*10*	*10*	*20*	na	na	na	na	na	**304**
NORTH	NE W BENCH	Bottom	Composite	4	SCTCDU3101003WBNQ4'C	10/10/2003	Sand	7.5	*10*	*10*	*20*	na	na	na	na	na	**384**
NORTH	NE E BENCH	Bottom	Composite	1.5	SCTCDU3101003EBNQ1.5'C	10/10/2003	Sand	6.9	*10*	*10*	*20*	na	na	na	na	na	144
NORTH	NE 19' EXC.	East Sidewall	5 pt-Composite	10-19	SCTCDU310100319'ESWC	10/10/2003	Sand	52.8	*10*	*10*	*20*	na	na	na	na	na	**480**
NORTH	NE E SIDEWALL	East Sidewall	Composite	1-4	SCTCDU3101003ESWNQ4'C	10/10/2003	Sand	4.1	*10*	104	114	na	na	na	na	na	112
NORTH	NE E SIDEWALL	East Sidewall	Composite	1-1.5	SCTCDU3101003ESWNQ1-1.5'C	10/10/2003	Sand	3.7	*10*	92.5	102.5	na	na	na	na	na	192
NORTH	NE 19' EXC.	North Sidewall	5 pt-Composite	10-19	SCTCDU310100319'NSWC	10/10/2003	Sand	46.7	*10*	*10*	*20*	na	na	na	na	na	**368**
NORTH	NW N SIDEWALL	North Sidewall	5 pt-Composite	4-9	SCTCDU3101003NSWWQ4-9'C	10/10/2003	Sand	11.3	*10*	132	142	na	na	na	na	na	**336**
NORTH	NW N SIDEWALL	North Sidewall	Composite	1-4	SCTCDU3101003NSWWQ1-4'C	10/10/2003	Sand	4.9	*10*	38.7	48.7	na	na	na	na	na	144
NORTH	NE N SIDEWALL	North Sidewall	Composite	4	SCTCDU3101003NSWEQ4'C	10/10/2003	Sand	10.1	*10*	492	502	na	na	na	na	na	224
NORTH	NE 19' EXC.	South Sidewall	5 pt-Composite	10-19	SCTCDU310100319'SSWC	10/10/2003	Sand	39.5	*10*	23.8	33.8	na	na	na	na	na	176
NORTH	NE 19' EXC.	West Sidewall	5 pt-Composite	10-19	SCTCDU310100319'WSWC	10/10/2003	Sand	254.0	25.2	381	406.2	0.13	*0.005*	0.007	0.090	0.024	80
NORTH	NW W SIDEWALL	West Sidewall	Composite	4-9	SCTCDU3101003WSWN-9'C	10/10/2003	Sand	7.8	*10*	21	31	na	na	na	na	na	208
SOUTH	SW TRENCH	Bottom	Composite	4	SCTCDU3101503SWT	10/15/2003	Sand	37.1	*10*	647	657	na	na	na	na	na	**672**
SOUTH	SOUTHWEST	Bottom	Composite	4	SCTCDU3101503SWC	10/15/2003	Sand	8.9	*10*	80.1	90.1	na	na	na	na	na	80
SOUTH	SW TRENCH	Bottom	Composite	10	SCTCDU3102003SWT-10'	10/20/2003	Sand	na	na	na	na	na	na	na	na	na	192
SOUTH	SW TRENCH	Bottom	Composite	16	SCTCDU3102003SWT-16'	10/20/2003	Sand	na	na	na	na	na	na	na	na	na	176
SOUTH	SW TRENCH	Surface	Composite	0-1	SCTCDU3101503SWS	10/15/2003	Sand	4.2	*10*	465	475	na	na	na	na	na	**368**
SOUTH	SOUTHEAST	Surface	Composite	0-1	SCTCDU3101503SESS	10/15/2003	Sand	13.1	*10*	31.5	41.5	na	na	na	na	na	208
SOUTH FENCE	NORTHWEST	Bottom	Composite	4	SCTCDU3101503FNWB	10/15/2003	Sand	26.3	*10*	*10*	*20*	na	na	na	na	na	80
SOUTH FENCE	SOUTHEAST	Bottom	Composite	3-4	SCTCDU3101503FSEB	10/15/2003	Sand	6.4	*10*	116	126	na	na	na	na	na	96
SOUTH FENCE	SOUTHWEST	Bottom	Composite	5	SCTCDU3101503FSWB	10/15/2003	Sand	4.2	*10*	78.6	88.6	na	na	na	na	na	224
SOUTH FENCE	SOUTH	Sidewall	Composite	1-4	SCTCDU3101503SFSSW	10/15/2003	Sand	2.3	*10*	41.1	51.1	na	na	na	na	na	64
SOUTH FENCE	EAST	Sidewall	Composite	1-3.5	SCTCDU3101503SFESW	10/15/2003	Sand	1.8	*10*	41.8	51.8	na	na	na	na	na	80
SOUTH FENCE	WEST	Sidewall	Composite	1-5	SCTCDU3101503FWSW	10/15/2003	Sand	1.9	10	**144**	**154**	na	na	na	na	na	128
SOUTH FENCE	NORTH	Sidewall	Composite	1-3	SCTCDU3101503FNSW	10/15/2003	Sand	1.5	10	**67.6**	**77.6**	na	na	na	na	na	64

[1]bgs – below ground surface

[2]VOC–Volatile Organic Contaminants/Constituents

[3]GRO-Gasoline Range Organics C_6-C_{10}

[4]DRO-Diesel Range Organics C_{10}-C_{28}

[5]TPH-Total Petroleum Hydrocarbon = GRO+DRO.

[6]Bolded values are in excess of the New Mexico Oil Conservation Division guideline threshold for the parameter

[7]Italicized values are < the instrument detection limit.

[8]N/A Not Analyzed

Reported detection limits are considered "de minimus" values and are included in the GRO/DRO and BTEX summations.

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: PAT McCASLAND
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 10/09/03
Reporting Date: 10/10/03
Project Owner: CHEVRON TEXACO
Project Name: CDU #3
Project Location: QS NW SEC23 T21S R37E

Sampling Date: 10/09/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		10/09/03	10/09/03	10/09/03
H8074-1	SCTDU3100903NEQC19	<10.0	<10.0	272
Quality Control		802	761	1050
True Value QC		800	800	1000
% Recovery		100	95.1	105
Relative Percent Difference		1.7	7.4	6.7

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl⁻: Std. Methods 4500-Cl⁻B
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

10/10/03
Date

H8074A.XLS

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: PAT McCASLAND
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 10/09/03
Reporting Date: 10/10/03
Project Owner: CHEVRON TEXACO
Project Name: CDU #3
Project Location: QS NW SEC23 T21S R37E

Sampling Date: 10/09/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		10/09/03	10/09/03	10/09/03	10/09/03
H8074-1	SCTDU3100903NEQC19	<0.005	<0.005	<0.005	<0.015
Quality Control		0.092	0.097	0.091	0.273
True Value QC		0.100	0.100	0.100	0.300
% Recovery		92.1	96.6	90.9	91.0
Relative Percent Difference		2.6	3.0	4.7	5.3

METHOD: EPA SW-846 8260

Chemist

10/10/03
Date

H8074B.XLS

Cardinal Laboratories Inc.

2111 Beechwood, Abilene, TX 79603
915-673-7001 Fax 915-673-7020

101 East Marland, Hobbs, NM 88240
505-393-2326 Fax 505-393-2476

Company Name	Environmental Plus Inc.
Project Manager	Pat McCasland
Address	
City, State, Zip	
Phone#/Fax#	
Project #/Owner	Chevron Texaco
Project Name	CDU #3
Project Location	QS NW Sec 23 T 21S R 37E
Sampler Name	Conrad Falcon

Bill To

Environmental Plus Inc.

Analysis Request

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	BTEX 8021B	TPH8015M	Cl	TDS
H8D7[illegible]-1	SCTCDU3100903NEQC19'	G	1			X					X		10/9	8:10	X	X	X	

Sampler Relinquished: Conrad Falcon — 09-Oct — Time 10:10

Received By:

Relinquished by: — Date — Time 11:05

Received By: (Lab staff) Amy Hill

Delivered by Sampler

Sample Cool & Intact: Yes / No

Checked By:

Fax Results To Pat McCasland 505-394-2601

Remarks

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: PAT McCASLAND
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 10/10/03
Reporting Date: 10/16/03
Project Owner: CHEVRON TEXACO
Project Name: CDU #3
Project Location: QS NW SEC23 T21S R37E

Sampling Date: 10/10/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		10/15/03	10/15/03	10/15/03	10/15/03
H8078-1	SCTCDU310100319'BC	<0.005	0.008	0.006	0.019
H8078-5	SCTCDU310100319'WSWC	<0.005	0.007	0.012	0.024
Quality Control		0.093	0.093	0.090	0.268
True Value QC		0.100	0.100	0.100	0.300
% Recovery		93.1	93.3	90.4	89.4
Relative Percent Difference		5.0	4.0	5.5	3.9

METHOD: EPA SW-846 8260

Chemist

10/16/03
Date

H8078B.XLS

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: PAT McCASLAND
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 10/10/03
Reporting Date: 10/14/03
Project Owner: CHEVRON TEXACO
Project Name: CDU #3
Project Location: QS NW SEC23 T21S R37E

Analysis Date: 10/14/03
Sampling Date: 10/10/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: GP

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)
H8078-1	SCTCDU310100319'BC	96
H8078-2	SCTCDU310100319'ESWC	480
H8078-3	SCTCDU310100319'SSWC	176
H8078-4	SCTCDU310100319'NSWC	368
H8078-5	SCTCDU310100319'WSWC	80
H8078-6	SCTCDU3101003NBWQ9-10'C	192
H8078-7	SCTCDU3101003NBWQ5'C	176
H8078-8	SCTCDU3101003NSWWQ4-9'C	336
H8078-9	SCTCDU3101003NBWQ4'C	304
H8078-10	SCTCDU3101003WSWN-9'C	208
H8078-11	SCTCDU3101003NSWWQ1-4'C	144
H8078-12	SCTCDU3101003ESWNQ4'C	112
H8078-13	SCTCDU3101003WBNQ4'C	384
H8078-14	SCTCDU3101003ESWNQ1-1.5'C	192
H8078-15	SCTCDU3101003EBNQ1.5'C	144
H8078-16	SCTCDU3101003NSWEQ4'C	224
Quality Control		1040
True Value QC		1000
% Recovery		104
Relative Percent Difference		1.0
METHOD: Std. Methods		4500-ClB

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

10/14/2003
Date

H8078C.XLS

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: PAT McCASLAND
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 10/10/03
Reporting Date: 10/13/03
Project Owner: CHEVRON TEXACO
Project Name: CDU #3
Project Location: QS NW SEC23 T21S R37E

Sampling Date: 10/10/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)
ANALYSIS DATE:		10/11/03	10/11/03
H8078-1	SCTCDU310100319'BC	58.6	457
H8078-2	SCTCDU310100319'ESWC	<10.0	<10.0
H8078-3	SCTCDU310100319'SSWC	<10.0	23.8
H8078-4	SCTCDU310100319'NSWC	<10.0	<10.0
H8078-5	SCTCDU310100319'WSWC	25.2	381
H8078-6	SCTCDU3101003NBWQ9-10'C	<10.0	21.3
H8078-7	SCTCDU3101003NBWQ5'C	<10.0	35.7
H8078-8	SCTCDU3101003NSWWQ4-9'C	<10.0	132
H8078-9	SCTCDU3101003NBWQ4'C	<10.0	<10.0
H8078-10	SCTCDU3101003WSWN-9'C	<10.0	21.0
H8078-11	SCTCDU3101003NSWWQ1-4'C	<10.0	38.7
H8078-12	SCTCDU3101003ESWNQ4'C	<10.0	104
H8078-13	SCTCDU3101003WBNQ4'C	<10.0	<10.0
H8078-14	SCTCDU3101003ESWNQ1-1.5'C	<10.0	92.5
H8078-15	SCTCDU3101003EBNQ1.5'C	<10.0	<10.0
H8078-16	SCTCDU3101003NSWEQ4'C	<10.0	492
Quality Control		767	767
True Value QC		800	800
% Recovery		95.9	103
Relative Percent Difference		3.6	6.2

METHOD: SW-846 8015 M

Chemist

10/13/03
Date

H8078.XLS

Cardinal Laboratories Inc.

2111 Beechwood, Abilene, TX 79603
915-673-7001 Fax 915-673-7020

101 East Marland, Hobbs, NM 88240
505-393-2326 Fax 505-393-2476

Company Name	Environmental Plus Inc.
Project Manager	Pat McCasland
Address	
City, State, Zip	
Phone#/Fax#	
Project #/Owner	Chevron Texaco
Project Name	CDU #3
Project Location	QS NW Sec 23 T 21S R 37E
Sampler Name	Conrad Falcon

Bill To

Environmental Plus Inc.

Analysis Request

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH8015M	Cl	TDS
H8078																		
~~H8066~~ H8078-1	SCTCDU310100319'BC	C	1			X					X		10/10	7:50		X		
80 -2	SCTCDU310100319'ESWC	C	1			X					X		10/10	8:00		X		
-3	SCTCDU310100319'SSWC	C	1			X					X		10/10	8:15		X		
-4	SCTCDU310100319'NSWC	C	1			X					X		10/10	8:20		X		
-5	SCTCDU310100319'WSWC	C	1			X					X		10/10	8:25		X		
-6	SCTCDU3101003NBWQ9-10'C	C	1			X					X		10/10	11:02		X		
-7	SCTCDU3101003NBWQ5'C	C	1			X					X		10/10	11:10		X		
-8	SCTCDU3101003NSWWQ4-9C	C	1			X					X		10/10	11:13		X		
-9	SCTCDU3101003NBWQ4'C	C	1			X					X		10/10	11:18		X		
-10	SCTCDU3101003WSWNQ9'C	C	1			X					X		10/10	11:28		X		
-11	SCTCDU3101003NSWWQ1-4'C	C	1			X					X		10/10	11:35		X		

Sampler Relinquished: Conrad Falcon	10 Oct	Received By: Bradley Blevins	Fax Results To Pat McCasland 505-394-2601
	Time 1:52		
Relinquished by:	Date 10/10/13	Received By: (lab staff) Burgess J. Cobb	Remarks
	Time 2:20 PM		
Delivered by Sampler	Sample Cool & Intact (Yes) No	Checked By:	

Cardinal Laboratories Inc.

2111 Beechwood, Abilene, TX 79603 915-673-7001 Fax 915-673-7020
101 East Marland, Hobbs, NM 88240 505-393-2326 Fax 505-393-2476

Company Name	Environmental Plus Inc.
Project Manager	Pat McCasland
Address	
City, State, Zip	
Phone#/Fax#	
Project #/Owner	Chevron Texaco
Project Name	CDU #3
Project Location	QS NW Sec 23 T 21S R 37E
Sampler Name	Conrad Falcon

Bill To

Environmental Plus Inc.

Analysis Request

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	BTEX 8021B	TPH8015M	Cl	TDS
H8078																		
~~H8078-12~~	SCTCDU3101003ESWNQ4'C	C	1			X					X		10/10	11:39		X		
8U -13	SCTCDU3101003WBNQ4'C	C	1			X					X		10/10	11:46		X		
-14	SCTCDU3101003ESWNQ1-1.5C	C	1			X					X		10/10	11:50		X		
-15	SCTCDU3101003EBNQ1.5'C	C	1			X					X		10/10	12:00		X		
-16	SCTCDU3101003NSWEQ4'C	C	1			X					X		10/10	12:05		X		

Sampler Relinquished: Conrad Falcon — 10-Oct — Received By: Bradley Blevins
Time 1152
Relinquished by: — Date 10/10/03 — Received By: (lab staff) Burgess W. Cole
Time 1:20PM
Delivered by Sampler — Sample Cool & Intact: (Yes) No — Checked By:

Fax Results To Pat McCasland 505-394-2601
Remarks

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: PAT McCASLAND
P.O. BOX 1558
EUNICE, NM 88231

Receiving Date: 10/16/03
Reporting Date: 10/17/03
Project Owner: CHEVRON TEXACO
Project Name: CDU #3
Project Location: QS NW SEC 23 T21S R37E

FAX TO: (505) 394-2601

Sampling Date: 10/15/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		10/17/03	10/17/03	10/17/03
H8089-1	SCTCDU3101503SWT	<10.0	647	672
H8089-2	SCTCDU3101503SWS	<10.0	465	368
H8089-3	SCTCDU3101503CWNSW	<10.0	1190	128
H8089-4	SCTCDU3101503CWN	<10.0	44.4	80
H8089-5	SCTCDU3101503CE	<10.0	62.6	80
H8089-6	SCTCDU3101503SESS	<10.0	31.5	208
H8089-7	SCTCDU3101503SWC	<10.0	80.1	80
H8089-8	SCTCDU3101503ESW	<10.0	202	80
H8089-9	SCTCDU3101503CEX	20.7	599	96
H8089-10	SCTCDU3101503CS	<10.0	51.7	112
H8089-11	SCTCDU3101503SFSSW	<10.0	41.1	64
H8089-12	SCTCDU3101503SFESW	<10.0	41.8	80
H8089-13	SCTCDU3101503FWSW	<10.0	144	128
H8089-14	SCTCDU3101503FNSW	<10.0	67.6	64
H8089-15	SCTCDU3101503FNWB	<10.0	<10.0	80
H8089-16	SCTCDU3101503FSEB	<10.0	116	96
H8089-17	SCTCDU3101503FSWB	<10.0	78.6	224
H8089-18	SCTCDU3101503FNEB	<10.0	28.4	96
Quality Control		761	816	1040
True Value QC		800	800	1000
% Recovery		95.1	102	104
Relative Percent Difference		1.9	3.6	1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl⁻: Std. Methods 4500-Cl⁻B
*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

10/17/03
Date

H8089.XLS

Cardinal Laboratories Inc.

2111 Beechwood, Abilene, TX 79603 915-673-7001 Fax 915-673-7020
101 East Marland, Hobbs, NM 88240 505-393-2326 Fax 505-393-2476

Company Name	Environmental Plus Inc.
Project Manager	Pat McCasland
Address	
City, State, Zip	
Phone#/Fax#	
Project #/Owner	Chevron Texaco
Project Name	CDU #3
Project Location	QS NW Sec 23 T 21S R 37E
Sampler Name	Conrad Falcon

Bill To

Environmental Plus Inc.

Analysis Request

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH8015M	Cl	TDS
1180B9-1	SCTCDU3101503SWT	C	1			X					X		10/15	3:32		X	X	
-2	SCTCDU3101503SWS	C	1			X					X		10/15	3:37		X	X	
-3	SCTCDU3101503CWNSW	C	1			X					X		10/15	3:47		X	X	
-4	SCTCDU3101503CWN	C	1			X					X		10/15	3:53		X	X	
-5	SCTCDU3101503CE	C	1			X					X		10/15	4:00		X	X	
-6	SCTCDU3101503SESS	C	1			X					X		10/15	4:05		X	X	
-7	SCTCDU3101503SWC	C	1			X					X		10/15	4:07		X	X	
-8	SCTCDU3101503ESW	C	1			X					X		10/15	4:12		X	X	
-9	SCTCDU3101503CEX	C	1			X					X		10/15	4:15		X	X	
-10	SCTCDU3101503CS	C	1			X					X		10/15	4:20		X	X	

Sampler Relinquished: Conrad Falcon	16-Oct Time 11:00AM	Received By:	Fax Results To Pat McCasland 505-394-2601
Relinquished by:	Date 10-16-03 Time 7:50AM	Received By: (lab staff)	Remarks
Delivered by Sampler	Sample Cool & Intact Yes No	Checked By:	

Cardinal Laboratories Inc.

2111 Beechwood, Abilene, TX 79603 915-673-7001 Fax 915-673-7020
101 East Marland, Hobbs, NM 88240 505-393-2326 Fax 505-393-2476

Company Name	Environmental Plus Inc.
Project Manager	Pat McCasland
Address	
City, State, Zip	
Phone#/Fax#	
Project #/Owner	Chevron Texaco
Project Name	CDU #3
Project Location	QS NW Sec 23 T 21S R 37E
Sampler Name	Conrad Falcon

Bill To: Environmental Plus Inc.

Analysis Request: BTEX 8021B; TPH8015M; Cl; TDS

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME
108089-11	SCTCDU3101603SFSSW	C	1			X					X		10/16	9:20
-12	SCTCDU3101603SFESW	C	1			X					X		10/16	9:24
-13	SCTCDU3101603SFWSW	C	1			X					X		10/16	9:27
-14	SCTCDU3101603SFNSW	C	1			X					X		10/16	9:30
-15	SCTCDU3101603SFNWB	C	1			X					X		10/16	9:32
-16	SCTCDU3101603SFSEB	C	1			X					X		10/16	9:35
-17	SCTCDU3101603SFSWB	C	1			X					X		10/16	9:38
-18	SCTCDU3101603SFNEB	C	1			X					X		10/16	9:40

Sampler Relinquished: Conrad Falcon	16-Oct	Received By:	Fax Results To Pat McCasland 505-394-2601
	Time 11:20AM		Remarks
Relinquished by:	Date 10-16-01	Received By: (lab staff)	
	Time 5:00PM		
Delivered by Sampler	Sample Cool & Intact: Yes / No	Checked By:	

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: PAT McCASLAND
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 10/20/03
Reporting Date: 10/21/03
Project Owner: CHEVRON TEXACO
Project Name: CDU #3
Project Location: QS NW SEC23 T 21S R 37E

Analysis Date: 10/21/03
Sampling Date: 10/20/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)
H8100-1	SCTCDU3102003SWT10'	192
H8100-2	SCTCDU3102003SWT16'	176
Quality Control		960
True Value QC		1000
% Recovery		96.0
Relative Percent Difference		8.3

METHOD: Standard Methods	4500-Cl'B

Note: Analyses peformed on 1:4 w:v aqueous extracts.

Amy Hill
Chemist

10/21/03
Date

h8100

Cardinal Laboratories Inc.

2111 Beechwood, Abilene, TX 79603 915-673-7001 Fax 915-673-7020
101 East Marland, Hobbs, NM 88240 505-393-2326 Fax 505-393-2476

Company Name	Environmental Plus Inc.
Project Manager	Pat McCasland
Address	
City, State, Zip	
Phone#/Fax#	
Project #/Owner	Chevron Texaco
Project Name	CDU #3
Project Location	QS NW Sec 23 T 21S R 37E
Sampler Name	Conrad Falcon

Bill To

Environmental Plus Inc.

Analysis Request

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH8015M	Cl	TDS
H8100-1	SCTCDU3102003SWT10'	C	1			X					X		10/20	2:19			X	
-2	SCTCDU3102003SWT16'	C	1			X					X		10/20	2:22			X	

Sampler Relinquished: Conrad Falcon	20-Oct	Received By:	Fax Results To Pat McCasland 505-394-2601
Relinquished by:	Time 2:35		Remarks
	Date	Received By: Hab staff	
Delivered by Sampler	Time 3:00	Checked By:	
	Sample Cool & Intact: Yes / No		

Attachment IV: New Mexico Office of the State Engineer Well Reports

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 21S Range: 37E Sections: 27,28,29,32,33,34

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic
◉ All

Well / Surface Data Report | Avg Depth to Water Report
Water Column Report
Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 01/03/2004

								(Depth Water in Feet)		
Bsn	**Tws**	**Rng**	**Sec**	**Zone**	**X**	**Y**	**Wells**	**Min**	**Max**	**Avg**
CP	21S	37E	27				1	76	76	76
CP	21S	37E	28				3	65	75	71
CP	21S	37E	33				1	100	100	100

Record Count: 5

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 22S Range: 37E Sections: 3,4,5

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic
◉ All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report | Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 01/03/2004

								(Depth Water in Feet)		
Bsn	**Tws**	**Rng**	**Sec**	**Zone**	**X**	**Y**	**Wells**	**Min**	**Max**	**Avg**
CP	22S	37E	05				2	79	90	84

Record Count: 2

http://164.64.58.140:7001/iWATERS/WellAndSurfaceDispatcher 1/3/2004

Attachment V: Site Metrics and Information Form

Site Metrics and Information Form

SITE: ChevronTexaco Central Drinkard Unit Tract #3 Battery	Assigned Site Reference #:
Company: ChevronTexaco	
Company Street Address: 2401 Avenue O	
Company Mailing Address: P.O. Box 1949	
Company City, State, Zip: Eunice, New Mexico	
Company Representative: Nathan Mouser/Rick Massey	
Company Representative Telephone: 505.390.7188	
Company Telephone: 505.394.1237 Fax:	
Fluid volume released (bbls) = unknown historical releases	
>25 bbls : Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)	
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)	
Leak, Spill, or Pit (LSP) Name: Central Drinkard Unit Tract #3 Battery	
Source of contamination: Tank battery facility	
Land Owner, i.e., BLM, ST, Fee, Other: Eunice Industrial Development Committee	
LSP Dimensions: 300'NS X 80'EW	
LSP Area = ~21,776 sqft ft^2	
Location of Reference Point (RP):	
Location distance and direction from RP:	
Latitude: 32° 26' 19.7"N	
Longitude: 103° 10' 19.0"W	
Elevation above mean sea level: ~ 3,462'amsl	
Feet from South Section Line	
Feet from West Section Line	
Location- Unit or ¼¼ =UL-F SE¼ of the NW¼	
Location- Section = 33	
Location- Township = T21S	
Location- Range = R37E	
Surface water body within 1000 ' radius of site:	
Domestic water wells within 1000' radius of site:	
Agricultural water wells within 1000' radius of site:	
Public water supply wells within 1000' radius of site:	
Depth from land surface to ground water (DG): 77.8'bgs	
Depth of contamination (DC): 19	
Depth to ground water (DG – DC = Calculated Depth to GW) 58.8 feet	

1. Ground Water	2. Wellhead Protection Area	3. Distance to Surface Water Body
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or;<200' from private domestic water source: *20 points*	<200 horizontal feet: *20 points*
If Depth to GW 50 to 99 feet: *10 points*		200-100 horizontal feet: *10 points*
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or; >200' from private domestic water source: *0 points*	>1000 horizontal feet: *0 points*
Ground water Score =10	*Wellhead Protection Area Score= 0*	*Surface Water Score= 0*

Site Rank (1+2+3) = = 10 points

Total Site Ranking Score and Acceptable Concentrations

Parameter	>19	10-19	0-9
Benzene[1]	10 ppm	**10 ppm**	10 ppm
BTEX[1]	50 ppm	**50 ppm**	50 ppm
TPH	100 ppm	**1000 ppm**	5000 ppm

[1]100 ppm field VOC headspace measurement may be substituted for lab analysis

Attachment VI: Final NMOCD Form C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **ChevronTexaco**	Contact **Rick Massey**
Address **PO Box 1949 2401 Avenue O Eunice, New Mexico 88231**	Telephone No. **505.394.1237**
Facility Name **Central Drinkard Unit Tract #3 Battery**	Facility Type **Tank battery facility**

Surface Owner: Eunice Industrial Development Com.	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:
F	33	T21S	R37E					Lea

Latitude 32° 26' 19.7"N Longitude 103° 10' 19.0"W

NATURE OF RELEASE

Type of Release **Production Fluid**	Volume of Release **unknown barrels**	Volume Recovered **NA barrels**
Source of Release **Tank battery facility**	Date and Hour of Occurrence **Historical**	Date and Hour of Discovery **Historical**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? **Larry Johnson**	
By Whom? **Rick Massey** **ChevronTexaco / Pat McCasland EPI**	Date and Hour **Not required**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. **NA**	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
Tank battery facility with historical production fluid, i.e., crude oil and saline produced water impact.

Describe Area Affected and Cleanup Action Taken.*
Site was delineated during excavation. Visibly contaminated soil was disposed of in the Texaco Landfarm. Remedial Goals: TPH 8015m = 1000 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg. Refer to Attached Report.

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:	OIL CONSERVATION DIVISION	
Printed Name: Rick Massey	Approved by District Supervisor:	
E-mail Address: mriw@chevrontexaco.com	Approval Date:	Expiration Date:
Title: ChevronTexaco HSE Champion	Conditions of Approval:	Attached ☐
Date: 1-3-03 Phone: 505.394.1237		

* Attach Additional Sheets If Necessary