3R - 391

REPORTS

DATE:

Dec. 2003

3R0391

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CHEVRONTEXACO INC.

GALLEGOS GALLUP SAND UNIT PIT CLOSURE REPORT

SAN JUAN COUNTY
NEW MEXICO

RECEIVED

JAN 12 2004

Oil Conservation Division
Environmental Bureau

PROJECT # 01079-003

DECEMBER 2003

5796 U.S. HIGHWAY 64 • FARMINGTON, NM 87401 • (505) 632-0615

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

January 8, 2004 Project No. 01079-003

Mr. Bill Olsen
Energy, Minerals, and Natural Resources
State of New Mexico Oil Conservation Division
1220 S. St. Francis Road
Santa Fe, New Mexico 87501 Phone (505) 476-3491

RE: CHEVRON TEXACO GALLEGOS SAND UNIT PIT CLOSURE REPORT

Dear Ms. Cowherd:

Enclosed please find the report titled *Gallegos Gallup Sand Unit Pit Closure Report* for the ChevronTexaco unlined pit remediation at Gallegos Gallup Sand Unit, San Juan County, New Mexico. Mr. Denny Foust asked us to send you a copy for your information.

Should you have any questions or need additional information, please call our office at (800) 362-1865.

Respectfully Submitted,
ENVIROTECH, INC.

CHARLES J. COLLINS, P.G., C.E.S. NEW MEXICO 038 CERTIFIED SCIENTIST

C. Jack Collins, P.G. #1822
Chief Environmental Scientist/Hydrogeologist
NM CES # 038
jcollins@envirotech-inc.com

CC: Bill Freeman, NNEPA
Jim Walker, USEPA Region IX
Denny Foust, OCD
Michelle Cowherd, Chevron Texaco

KMH/enviro/projects/non-pst/chevrontexaco/Gallegos/dec03/ cvrltr.doc

CHEVRONTEXACO INC.

GALLEGOS GALLUP SAND UNIT
PIT CLOSURE REPORT
SAN JUAN COUNTY, NEW MEXICO

TABLE OF CONTENTS

INTRODUCTION

Envirotech Inc. of Farmington, New Mexico, was contracted by ChevronTexaco Inc. to provide oversight for monitor well plugging and abandoning and excavation at an unlined earthen pit. The pit is referred to as the Gallegos Gallup Sand Unit disposal pit. It appears that this unlined pit has been out of service for some time but could have been utilized during the 1950s and 1960s. This pit is located near Gallegos Canyon in Section 7, Township 26N, Range 11W, San Juan County, New Mexico. This pit is located on the Navajo Indian Reservation and is within the NAPI irrigation project. It is accessible by the El Paso Gas Chaco Plant blacktop (CR 7100) approximately 5 miles west from State Highway 550, 12 miles south of Bloomfield, NM and an unimproved dirt road that is part of the oil and gas fields in the area. The location of the pit is shown on ***Figure 1: Vicinity Map.***

Previous work at this location included installation of five (5) monitor wells, soil and groundwater sampling, and reporting. This work was conducted during September 2001 and documented in the report "Gallegos Gallup Sand Unit" dated September 20, 2001. An additional well was installed during December of 2002 to test if water in the bedrock unit had been impacted by hydrocarbons. The result of this work is documented in the report "Gallegos Gallup Sand Unit Additional Pit Assessment" dated December 2002.

SCOPE OF WORK

The scope of work included preparation of a pit closure work plan to the Navajo Nation EPA (NNEPA) and the Region IX USEPA (EPA), monitor well abandonment, excavation and site disposal of hydrocarbon impacted soil from the unlined pit, backfilling with clean fill soil, sampling and documenting the pit closure. Representatives of the Region IX USEPA and Navajo Nation EPA had previously approved a cleanup level of 1,000 ppm TPH for the hydrocarbon-impacted soil in the pit in accordance with the current BLM Guidelines that will adequately protect the environment. The work plan is included as ***Appendix D: Workplan***.

The work was undertaken with a ChevronTexaco approved health and safety plan and in accordance with applicable OSHA regulations.

DESCRIPTION OF WORK

Tuesday, November 4, 2003
Work began with the plugging and abandoning of six (6) on site monitor wells. The wells had the above ground well protector removed and the well boring grouted to the surface with a cement and bentonite slurry mixture. Four (4) temporary survey reference points were surveyed in to provide grade control during and after the excavation.

Monday, November 10, 2003
An excavator and front-end loader was moved onto site for site preparation. The stockpile area was cleared of brush. The fence was removed and the existing berms were removed and

stockpiled on site for later use as backfill. The overburden around the perimeter of the pit was removed and stockpiled.

Tuesday, November 11, 2003
A second front-end loader was moved on site. Excavation and stockpiling of contaminated soil began. Contaminated soil was checked in the field by using a photo ionization detector (OVM) using the headspace method. Field headspace limits had previously been established with NNEPA and USEPA at 100 ppm for determining clean or contaminated soil as per the work plan. By the end of the day the excavation was at a depth of approximately 25 feet on the south side of the pit. Headspace measurements were still above the 100 ppm level; however, it was deemed impracticable to excavate deeper due to the limits of the equipment. Samples were collected using the excavator bucket from two (2) points from the south pit wall for laboratory analysis. Site photos of the excavation are included as ***Appendix E: Site Photos.***

Wednesday, November 12, 2003
Excavation of the pit continued along the north and east sides. OVM headspace readings continued to be above 100 ppm at the bottom of the pit. Additional soil samples were collected from the pit walls and bottom for laboratory analysis. Concluding the workday, approximately 4,315 yards of material had been removed from the excavation and approximately 1,856 yards were removed for offsite disposal at Envirotech's Soil Remediation Facility Landfarm #2; see ***Appendix B: Bill of Ladings***. The excavation was approximately 45' x 45' x 25' deep. The outline of the excavation, benches and the volume calculations are shown on ***Figure 3: Site Excavation Map***. Volume calculations were made using the area of each cell and the average depth. The amount of clean overburden was the difference between the total volume and the amount of contaminated soil (deflated by 1.25) delivered to the landfarm. Excavation activities are represented in ***Figure 4: West-East Cross-Section*** and ***Figure 5: North-South Cross-Section***. Each uses monitor well MW-7 as a reference point.

Thursday, November 13, 2003
Representatives of NNEPA and EPA toured the site. Removal of the stockpiled contaminated soil for off-site disposal continued.

Friday, November 14, 2003
No work was conducted.

Monday, November 17, 2003
No work was conducted.

Tuesday, November 18, 2003
No work was conducted.

Wednesday, November 19, 2003
A meeting was held with NNEPA & EPA to obtain permission to backfill and close the pit. It was agreed by the parties in attendance that the major portion of the hydrocarbon impacted soil

had been removed and that it would be impractical to remove the remaining soil by excavation due to safety and cost concerns. Permission was obtained verbally to backfill and close the excavation. An oxidizing solution would be applied to the excavation walls and floor prior to backfill to help in natural attenuation of any remaining hydrocarbon impacted soil. A monitor well would be installed in the center of the excavation to monitor any impact to groundwater and determine if natural attenuation was occurring.

Thursday, November 20, 2003
Backfill and compaction of the excavation was started using a front end loader and excavator.

Friday, November, 21, 2003
Backfill and compaction activities continued.

Monday, November 24, 2003
Backfill and compaction activities continued.

Tuesday, November 25, 2003
Backfill and compaction activities were completed. Final grading of the site was completed. Reseeding of the site has not been completed and will be postponed until early spring to take advantage of better planting weather.

Wednesday, November 26, 2003
Monitor well MW-7 was installed to a depth of 45 feet below ground level.

Thursday, November 27 thru November 30, 2003
No work was conducted due to the extended holiday weekend.

Monday, December 1, 2003
Monitor well MW-7 was purged by hand using a disposable bailer and sampled for BTEX using EPA Method 8021 and for Cations/Anions. The top of casing elevation and ground level for MW-7 was surveyed in to the existing reference points.

SOIL IMPACT

The seven (7) soil samples collected from the excavation varied from < 0.2 ppm TPH at 25 feet on the south wall to 4,800 ppm TPH at 25 feet on the north wall. BTEX analysis showed a total BTEX of 0.05 ppm at 20 feet on the south wall to 3.29 ppm at the northwest corner at 25 feet of the excavation.

Monitor well MW-7 was drilled and completed on November 26, 2003. Three (3) soil samples were collected for laboratory analysis from MW-7, two from near the water table and one from the total depth of 45 feet. Samples were collected in clean 5-foot continuous split spoon samplers. Soil samples were analyzed for BTEX per EPA Method 8021B and for Total Petroleum Hydrocarbons (TPH) per EPA Method 8015B. Total BTEX varied from 0.73 ppm at

45 feet to 2.63 ppm at 33.5 feet. TPH varied from 1,420 ppm at 45 feet to 4,260 ppm at 33.5 feet using USEPA Method 8015B. These results show the lighter ends of the hydrocarbons are no longer present and the remaining hydrocarbons are the heavier fractions, which are less soluble and less mobile and do not readily go into solution. Thin zones of hydrocarbon-saturated sand were noted in the lithology near the water table. Based on monitor well MW-7 it appears there is approximately 2.5 feet of hydrocarbon-impacted soil above the present water table. The well completion and lithology of the samples are shown in ***Figure 6: Monitor Well Completion Diagram/Lithology Log.***

The soil sample analyses are summarized in ***Table 1: Laboratory Results of Soil Sample Analyses (EPA Method 8015).*** Laboratory Certificates are included in ***Appendix A: Laboratory Analysis.*** Field notes are included in ***Appendix C: Field Notes.***

GROUNDWATER IMPACT

A water level measurement was taken from MW-7 on December 1, 2003. The water level was 34.22 feet from the top of casing or 31.72 feet below ground level. This measurement is consistent with measurements made previously on the other wells prior to the excavation.

Water samples were collected from MW-7 on December 1, 2003. Samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) per EPA Method 8021B. All BTEX components except benzene were below the EPA's recommended groundwater standards. Benzene was 14.9 ppb, which is slightly above the groundwater standard of 5 ppb. A summary of the BTEX water analyses is listed in ***Table 2: Laboratory Results of Water Sample Analyses (EPA Method 8021B).***

Based on the water sample collected December 1, 2003, ground water has been slightly impacted. This impacted ground water is most likely a result of the activities at the excavation and should be monitored during the following year to determine if it is naturally attenuating as expected.

WATER QUALITY

Water from monitor well MW-7 would be formally classified as sodium sulfate type waters; see ***Table 3: Laboratory Results of Water Sample Analyse (Cation/Anion).***

RECOMMENDATIONS

Results from the soil and groundwater investigations at the Gallegos Gallup Sand Unit Pit indicate groundwater has been slightly impacted. To insure the future protection of the existing shallow groundwater, it is recommended that the site be monitored on a long-term basis to insure natural attenuation is occurring.

STATEMENT OF LIMITATIONS

Envirotech performed pit remediation, drilling, soil and water sampling, analysis, and reporting at the ChevronTexaco Inc. Gallegos Gallup Sand Unit Pit near Gallegos Canyon, New Mexico. The work and services provided by Envirotech were under the guidelines of the USEPA, NNEPA, and BIA. All observations and conclusions provided here are based on the information and current site conditions found during this investigation.

The undersigned has conducted this service at the above referenced site. This work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

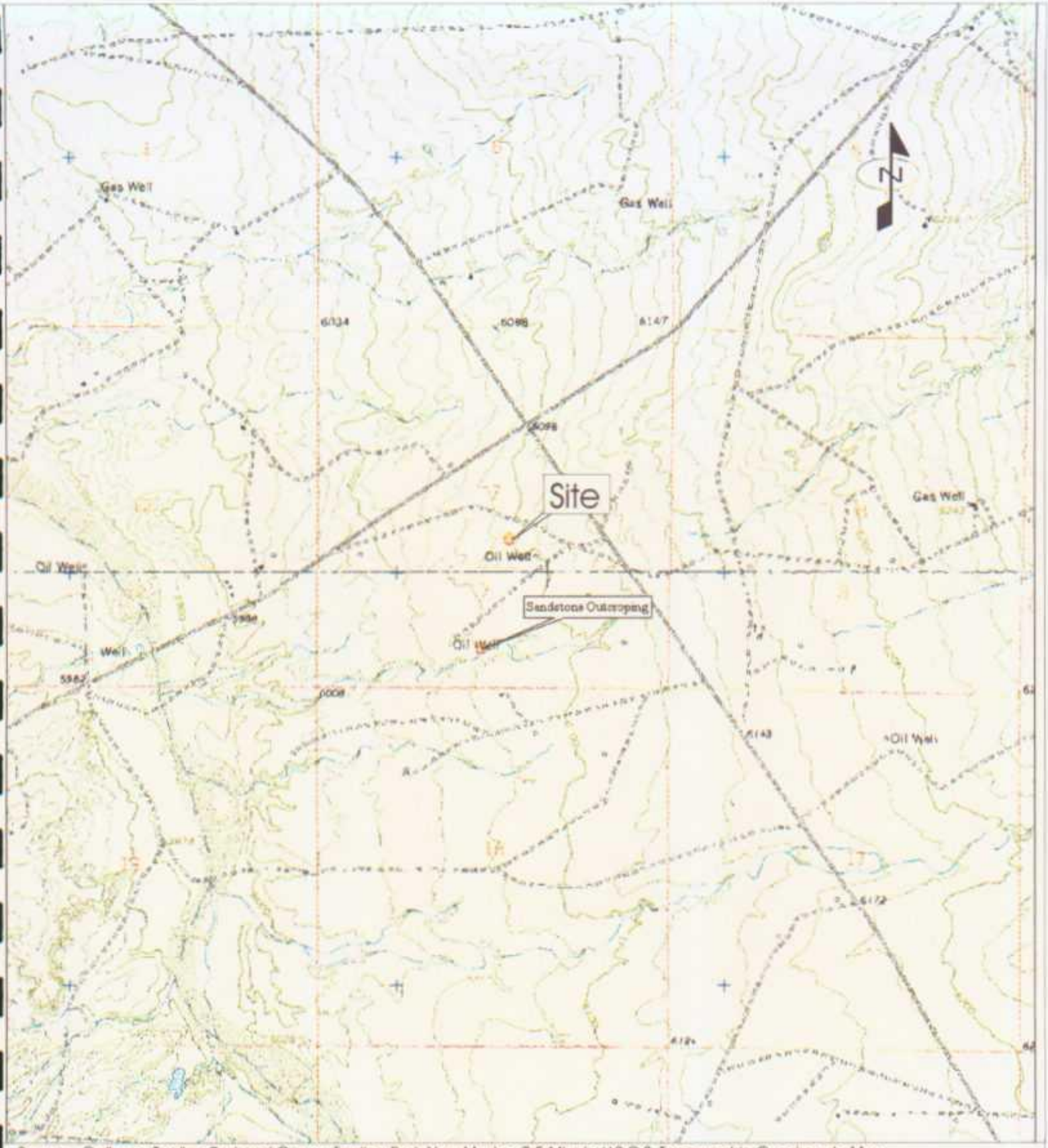
Respectfully Submitted,
ENVIROTECH INC.

C. Jack Collins, P.G. #1822
NM Certified Scientist #038
jcollins@envirotech-inc.com

Reviewed by:

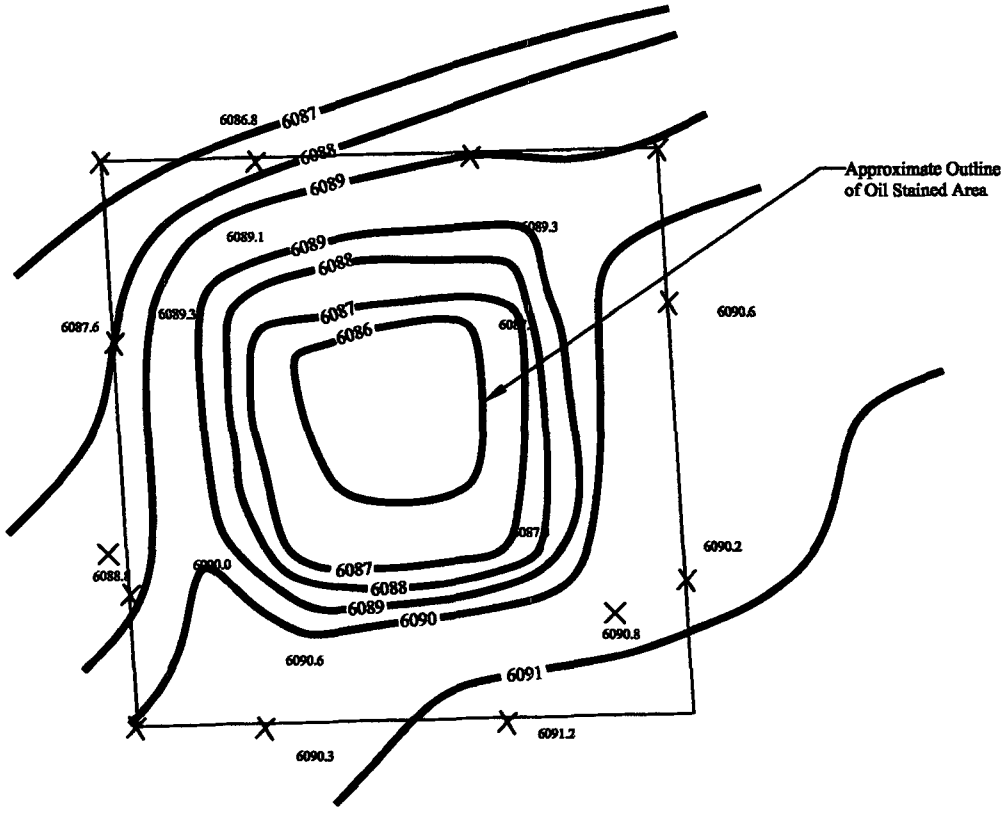
Morris D. Young
President
NMCES #098
myoung@envirotech-inc.com

FIGURES



Source: Gallegos Trading Post and Carson Trading Post, New Mexico 7.5 Minute U.S.G.S. Topographic Quadrangle Map
Scale: 1:24,000 1" = 2000'

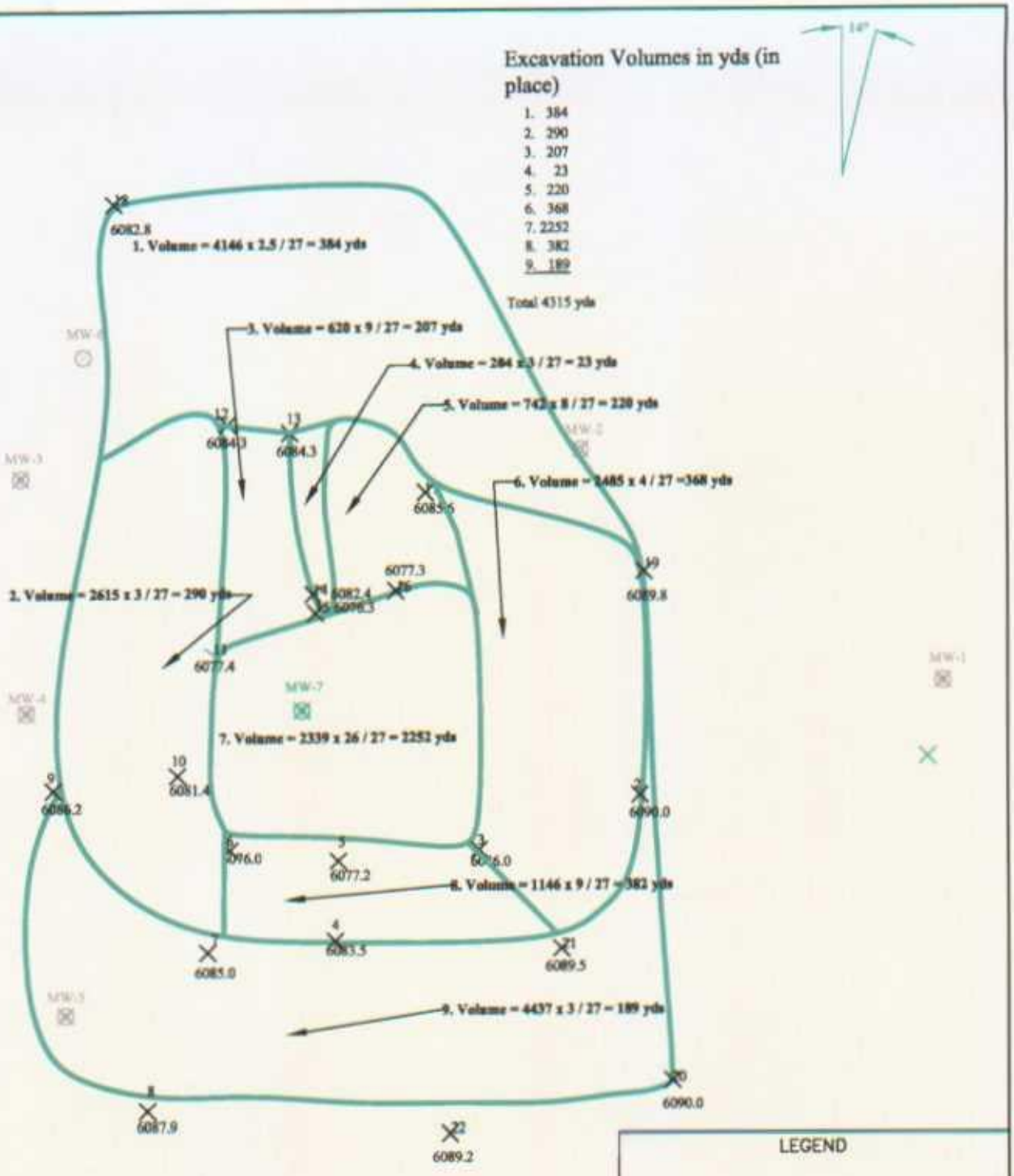
ChevronTexaco Inc. Gallegos Gallup Sand Unit Pit Closure NWSE S7 T26N R11W	ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401 PHONE (505) 632-0615	Vicinity Map Figure 1	
Project#01079-003 | Date Drawn: 09/20/01		Drawn By: Kyle Kerr	Project Manager: C. Jack Collins



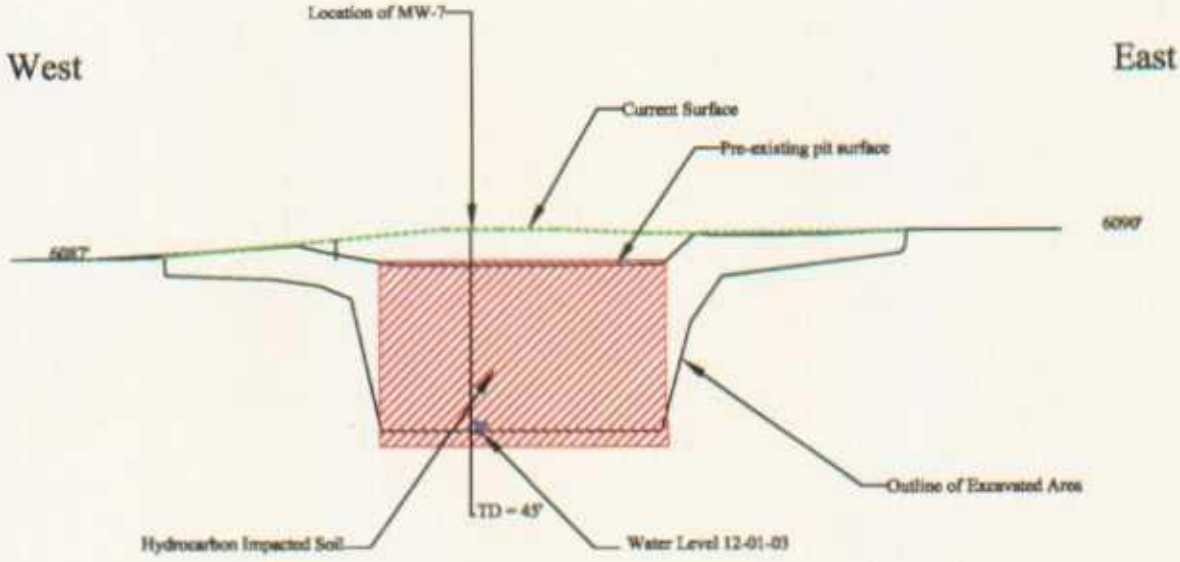
LEGEND

Surface Contour of Pit
Prior to Excavation
Contour Interval = 1 ft.

CHEVRONTEXACO INC Gallegos Gallup Sand Unit Pit Closure	ENVIROTECH INC.	SITE MAP	
REVISIONS BY KPK DATE 12/02/02 BY CJC DATE 12/03/03 PROJECT #01079-003	ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401 (505) 632-0815	DATE 09/20/01 DRAWN CJC SCALE 1" = 30' APPROVED CJC	FIGURE 2



CHEVRONTEXACO INC Gallegos Gallup Sand Unit Pit Closure	ENVIROTECH INC ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401 (505) 632-0615	Excavation Volume Calculations	
REVISIONS BY KPK DATE 12/02/02 BY CJC DATE 12/03/03 PROJECT #01079-003		DATE 09/20/01 DRAWN CJC SCALE 1" = 30' APPROVED CJC	FIGURE 3.



LEGEND

CHEVRONTEXACO INC
Gallegos Gallup Sand Unit
Pit Closure

ENVIROTECH INC.

West - East Cross Section
Thru Pit

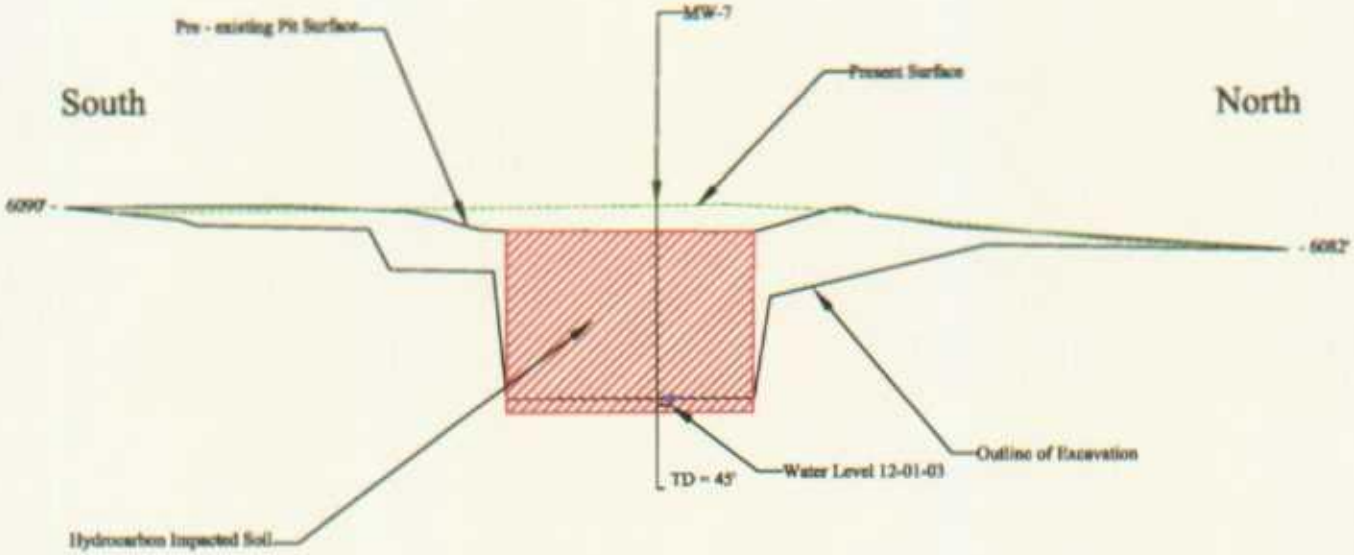
REVISIONS
BY KPK DATE 12/02/02
BY CJC DATE 12/03/03

PROJECT #01079-003

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615

DATE 09/20/01 DRAWN CJC
SCALE 1" = 30' APPROVED CJC

FIGURE 4



LEGEND

CHEVRONTEXACO INC
Gallegos Gallup Sand Unit
Pit Closure

REVISIONS
BY KPK DATE 12/02/02
BY CJC DATE 12/03/03

PROJECT #01079-003

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615

South - North Cross - Section
Thru MW-7

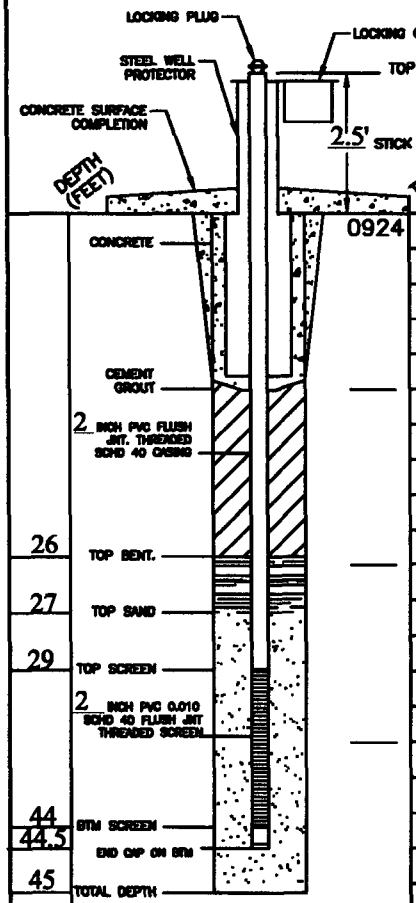
DATE 09/20/01 DRAWN CJC
SCALE 1" = 30' APPROVED CJC

FIGURE
5.

ABOVE GRADE WELL COMPLETION DIAGRAM / LITHOLOGY LOG

MW MW-7

SB _____



TIME	SAMPLE TYPE	HEADSPACE (PPM)	LITHOLOGY	SAMPLE DESCRIPTION	DEPTH (FEET)
0924				0' – 29.5'	
				FILL – CLEAN SAND	
	A				
					5
	A				
					10
	A				15
	A				20
0935	A	0.0			25
	A				
	SS			FILL	
	SS				
		410		29.5' - 33/5': Sand, soft, fine - medium, grey blue, grey, dry,	30
	SS			strong odor	
				WET AT 33.5'	
1000		322		33.5' - 35': Sand, wet, soft, fine - medium, grey blue	35
				strong odor	

Well Materials Used:

- 12 Sks 10-12 Silica Sand
- 1 Sks Bentonite Chips
- 3 Sks Class "A" Cement
- ___ Sks Quickcrete
- 32.5 Ft Blank Casing
- 15 Ft Screen

Well Development:

- X Bailed
- ___ Pumped
- 7.5 Gallons of Water

Remarks:

thin layer of oil on water less than 1/8"

DRILLER: Kelly Padilla
HELPER: Thurman Benally
DRILLING COMPANY: Envirotech
DRILLING METHOD: HSA

BIT SIZE: 7 7/8"
TOTAL BORING DEPTH: 45'
DATE STARTED: 11 / 26 / 03
SAMPLER TYPE: 5' Continuous Split Spoon

LOCATION: Gallegos Gallup Sand Unit
ELEVATION: 6089.88' MSL GL
DATE COMPLETED 11 / 26 / 03
GEOLOGIST: CJC

ChevronTexaco
Gallegos Gallup Sand Unit
Pit Closure

REVISIONS
BY ___ DATE ___
BY ___ DATE ___

JOB # 01079-004

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615
AbvGrdlog.dwg

MW-7

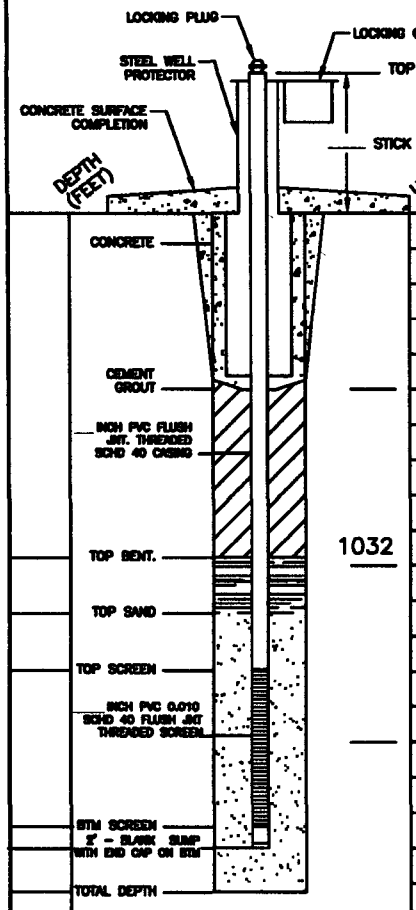
DATE 12/1/03 DRAWN TCR
SCALE NTS APPROVED CJC

PAGE 1 OF 2

ABOVE GRADE WELL COMPLETION DIAGRAM / LITHOLOGY LOG

MW MW-7

SB _____



DEPTH (FEET)	USCS	SAMPLE TYPE	HEADSPACE (PPM)	LITHOLOGY	SAMPLE DESCRIPTION	DEPTH (FEET)
			322		SAND, SOFT, WET, FINE-MEDIUM, LIGHT GREY, GREY	35
		SS			STRONG ODOR/SOME OIL SATURATED	
			138		SAND, SOFT, WET, FINE-MEDIUM, LIGHT GREY, ODOR	40
					40' - 45'	
		SS				
1032			188			45
					TD = 45'	

Well Materials Used:

____ Sks 10-12 Silica Sand
____ Sks Bentonite Chips
____ Sks Class "A" Cement
____ Sks Quickcrete
____ Ft Blank Casing
____ Ft Screen

Well Development:
_____ Bailed
_____ Pumped
_____ Gallons of Water

Remarks:

DRILLER: Kelly Padilla
HELPER: Thurman Benally
DRILLING COMPANY: Envirotech
DRILLING METHOD: HSA

BIT SIZE: 7 7/8"
TOTAL BORING DEPTH: 45'
DATE STARTED: 11 / 26 / 03
SAMPLER TYPE: 5' Continuous Split Spoon

LOCATION: Gallegos Gallup Sand Unit
ELEVATION: 6089.88' MSL GL
DATE COMPLETED 11 / 26 / 03
GEOLOGIST: CJC

ChevronTexaco
Gallegos Gallup Sand Unit
Pit Closure

REVISIONS
BY ___ DATE _____
BY ___ DATE _____

JOB # 01079-004

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615
AbvGrdlog.dwg

MW-7

DATE 12/1/03 DRAWN TCR
SCALE NTS APPROVED CJC

PAGE 2 OF 2

TABLES

Envirotech Inc.

Company	ChevronTexaco
Location	Gallegos Gallup Sand Unit
Date	12/04/03
Project #	01079-004

Table 1. Laboratory Results of Soil Sample Analyses: EPA Method 8015

NNEPA/ EPA Action Levels		10.0	50	1,000	100		
Sample Number Location	Sample Date	ppm(mg/L)					
		Benzene	BTEX (8021)	TPH (8015)	PID Headspace		
S. Wall @ 25'	11-Nov-03	< 0.002	0.51	< 0.2	186.0		
S. Wall @ 20'	11-Nov-03	< 0.002	0.05	166	89.0		
W. Wall @ 16'	11-Nov-03	< 0.002	1.57	75	1.5		
Btm @ 25'	12-Nov-03	< 0.002	2.67	2,720	368.0		
N. Wall @ 25'	12-Nov-03	< 0.002	2.98	4,800	968.0		
E. Wall @ 25'	12-Nov-03	< 0.002	0.52	167	165.0		
NWC @ 25'	12-Nov-03	< 0.002	3.29	1,890	285.0		
MW-7 @ 30'	26-Nov-03	<0.002	1.94	2,770	410.0		
MW-7 @ 33.5'	26-Nov-03	<0.002	2.63	4,260	322.0		
MW-7 @ 45'	26-Nov-03	<0.002	0.73	1,420	188.0		

Table 2. Laboratory Results of Water Sample Analyses: EPA Method 8021B

NNEPA/ EPA Action Levels		5.0	2000	680	440	na	
Sample Number Location	Sample Date	ppb (ug/L)					
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	
MW-7	1-Dec-03	14.9	36.1	21.2	80.1	152.0	

Note: ND Not Detected NA Not Available NS Not Sampled ppm parts per million

Site	ChevronTexaco Inc.
Location	Gallegos Gallup Sand Unit Pit
Date	December 1, 2003
Project	# 01079-004

Table 3
Laboratory Results of Water Sample Analyses: Cation/Anion

		Units										
Well #	Sample Date	s.u. pH	umhos/cm Conductivity @ 25 C	mg/L Total Dissolved Solids @ 180C	mg/L Calcium	mg/L Magnesium	mg/L Sodium + Potassium	mg/L Chloride	mg/L Nitrate Nitrogen	mg/L Nitrite Nitrogen	mg/L Sulfate	mg/L Bicarbonate
MW-7	12/01/03	7.24	1750.00	938.00	161.00	6.45	140.40	168.00	17.00	3.02	280.00	225.00

APPENDIX A

Laboratory Analysis

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ChevronTexaco	Project #:	01079-004
Sample ID:	MW-7	Date Reported:	12-02-03
Chain of Custody:	11603	Date Sampled:	12-01-03
Laboratory Number:	27306	Date Received:	12-01-03
Sample Matrix:	Water	Date Analyzed:	12-02-03
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	**14.9**	**1**	**0.2**
Toluene	**36.1**	**1**	**0.2**
Ethylbenzene	**21.2**	**1**	**0.2**
p,m-Xylene	**56.8**	**1**	**0.2**
o-Xylene	**23.3**	**1**	**0.1**
Total BTEX	**152**		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	**96 %**
	1,4-difluorobenzene	**96 %**
	4-bromochlorobenzene	**96 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	12-02-BTEX QA/QC	Date Reported:	12-02-03
Laboratory Number:	27305	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-02-03
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	4.2776E-002	4.2862E-002	**0.20%**	**ND**	**0.2**
Toluene	4.8966E-002	4.8975E-002	**0.02%**	**ND**	**0.2**
Ethylbenzene	7.4036E-002	7.4185E-002	**0.20%**	**ND**	**0.2**
p,m-Xylene	6.8275E-002	6.8288E-002	**0.02%**	**ND**	**0.2**
o-Xylene	5.5866E-002	5.6034E-002	**0.30%**	**ND**	**0.1**

Duplicate Conc. (ug/L)	Sample	Duplicate	%Diff.	Accept Limit
Benzene	**99.1**	**98.1**	**1.0%**	**0 - 30%**
Toluene	**20.2**	**20.2**	**0.0%**	**0 - 30%**
Ethylbenzene	**7.3**	**7.1**	**2.7%**	**0 - 30%**
p,m-Xylene	**32.3**	**31.8**	**1.5%**	**0 - 30%**
o-Xylene	**10.3**	**10.0**	**2.9%**	**0 - 30%**

Spike Conc. (ug/L)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Limits
Benzene	**99.1**	**50.0**	**148**	**99.4%**	**39 - 150**
Toluene	**20.2**	**50.0**	**70.1**	**99.9%**	**46 - 148**
Ethylbenzene	**7.3**	**50.0**	**57.2**	**99.8%**	**32 - 160**
p,m-Xylene	**32.3**	**100**	**131**	**98.8%**	**46 - 148**
o-Xylene	**10.3**	**50.0**	**60.2**	**99.8%**	**46 - 148**

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for samples 27305 - 27306.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	ChevronTexaco	Project #:	01079-004
Sample ID:	MW-7	Date Reported:	12-02-03
Laboratory Number:	27306	Date Sampled:	12-01-03
Chain of Custody:	11603	Date Received:	12-01-03
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	12-01-03
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		Units
pH	7.24	s.u.		
Conductivity @ 25° C	1,750	umhos/cm		
Total Dissolved Solids @ 180C	938	mg/L		
Total Dissolved Solids (Calc)	914	mg/L		
SAR	2.9	ratio		
Total Alkalinity as CaCO3	225	mg/L		
Total Hardness as CaCO3	428	mg/L		
Bicarbonate as HCO3	225	mg/L	3.69	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	17.0	mg/L	0.27	meq/L
Nitrite Nitrogen	3.02	mg/L	0.07	meq/L
Chloride	168	mg/L	4.74	meq/L
Fluoride	0.66	mg/L	0.03	meq/L
Phosphate	0.7	mg/L	0.02	meq/L
Sulfate	280	mg/L	5.83	meq/L
Iron	0.016	mg/L	0.00	meq/L
Calcium	161	mg/L	8.03	meq/L
Magnesium	6.45	mg/L	0.53	meq/L
Potassium	1.40	mg/L	0.04	meq/L
Sodium	139	mg/L	6.05	meq/L
Cations			14.65	meq/L
Anions			14.65	meq/L
Cation/Anion Difference			0.04%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983. Water And Waste Water", 18th ed., 1992.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

11603

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Chevron Texaco	Gallegos Gallegos San Unit	
Sampler: Jack Collins	Client No. 0107-004	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	BTEX 8021	Cat/ Anion					Remarks
MW-7	12-1-03	1046	27306	H_2O	3	✓	✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jack Collins	12-1-03	1215	Christine M Walters	12/1/03	1215
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ChevronTexaco GGSU	Project #:	01079-004
Sample ID:	MW-7 @ 30'	Date Reported:	12-01-03
Laboratory Number:	27302	Date Sampled:	11-26-03
Chain of Custody No:	11601	Date Received:	11-26-03
Sample Matrix:	Soil	Date Extracted:	12-01-03
Preservative:	Cool	Date Analyzed:	12-01-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**1,190**	**0.2**
Diesel Range (C10 - C28)	**1,580**	**0.1**
Total Petroleum Hydrocarbons	**2,770**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ChevronTexaco GGSU	Project #:	01079-004
Sample ID:	MW-7 @ 33.5'	Date Reported:	12-01-03
Laboratory Number:	27303	Date Sampled:	11-26-03
Chain of Custody No:	11601	Date Received:	11-26-03
Sample Matrix:	Soil	Date Extracted:	12-01-03
Preservative:	Cool	Date Analyzed:	12-01-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**1,680**	**0.2**
Diesel Range (C10 - C28)	**2,580**	**0.1**
Total Petroleum Hydrocarbons	**4,260**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ChevronTexaco GGSU	Project #:	01079-004
Sample ID:	MW-7 @ 45'	Date Reported:	12-01-03
Laboratory Number:	27304	Date Sampled:	11-26-03
Chain of Custody No:	11601	Date Received:	11-26-03
Sample Matrix:	Soil	Date Extracted:	12-01-03
Preservative:	Cool	Date Analyzed:	12-01-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**488**	**0.2**
Diesel Range (C10 - C28)	**934**	**0.1**
Total Petroleum Hydrocarbons	**1,420**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-01-TPH QA/QC	Date Reported:	12-01-03
Laboratory Number:	27302	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-01-03
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	04-29-03	1.8591E-002	1.8572E-002	**0.10%**	**0 - 15%**
Diesel Range C10 - C28	04-29-03	1.5507E-002	1.5492E-002	**0.10%**	**0 - 15%**

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	**ND**	**0.2**
Diesel Range C10 - C28	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	**1,190**	**1,180**	**0.8%**	**0 - 30%**
Diesel Range C10 - C28	**1,580**	**1,570**	**0.6%**	**0 - 30%**

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	**1,190**	**250**	**1,430**	**99.3%**	**75 - 125%**
Diesel Range C10 - C28	**1,580**	**250**	**1,820**	**99.5%**	**75 - 125%**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 27302 - 27304.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ChevronTexaco GGSU	Project #:	01079-004
Sample ID:	MW-7 @ 30'	Date Reported:	12-01-03
Laboratory Number:	27302	Date Sampled:	11-26-03
Chain of Custody:	11601	Date Received:	11-26-03
Sample Matrix:	Soil	Date Analyzed:	12-01-03
Preservative:	Cool	Date Extracted:	12-01-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**99.2**	**1.7**
Ethylbenzene	**295**	**1.5**
p,m-Xylene	**1,030**	**2.2**
o-Xylene	**512**	**1.0**
Total BTEX	**1,940**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**99 %**
	1,4-difluorobenzene	**99 %**
	Bromochlorobenzene	**99 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ChevronTexaco GGSU	Project #:	01079-004
Sample ID:	MW-7 @ 33.5'	Date Reported:	12-01-03
Laboratory Number:	27303	Date Sampled:	11-26-03
Chain of Custody:	11601	Date Received:	11-26-03
Sample Matrix:	Soil	Date Analyzed:	12-01-03
Preservative:	Cool	Date Extracted:	12-01-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**168**	**1.7**
Ethylbenzene	**529**	**1.5**
p,m-Xylene	**1,250**	**2.2**
o-Xylene	**681**	**1.0**
Total BTEX	**2,630**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**99 %**
	1,4-difluorobenzene	**99 %**
	Bromochlorobenzene	**99 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ChevronTexaco GGSU	Project #:	01079-004
Sample ID:	MW-7 @ 45'	Date Reported:	12-01-03
Laboratory Number:	27304	Date Sampled:	11-26-03
Chain of Custody:	11601	Date Received:	11-26-03
Sample Matrix:	Soil	Date Analyzed:	12-01-03
Preservative:	Cool	Date Extracted:	12-01-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**19.1**	**1.7**
Ethylbenzene	**100**	**1.5**
p,m-Xylene	**405**	**2.2**
o-Xylene	**206**	**1.0**
Total BTEX	**730**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**99 %**
	1,4-difluorobenzene	**99 %**
	Bromochlorobenzene	**99 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	12-01-BTEX QA/QC	Date Reported:	12-01-03
Laboratory Number:	27302	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-01-03
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc.	Detect. Limit
Benzene	4.2776E-002	4.2905E-002	0.3%	ND	0.2
Toluene	4.8966E-002	4.9064E-002	0.2%	ND	0.2
Ethylbenzene	7.4036E-002	7.4259E-002	0.3%	ND	0.2
p,m-Xylene	6.8275E-002	6.8480E-002	0.3%	ND	0.2
o-Xylene	5.5866E-002	5.5978E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	99.2	97.3	1.9%	0 - 30%	1.7
Ethylbenzene	295	289	2.0%	0 - 30%	1.5
p,m-Xylene	1,030	1,060	2.9%	0 - 30%	2.2
o-Xylene	512	527	2.9%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	99.2	50.0	149	99.8%	46 - 148
Ethylbenzene	295	50.0	344	99.8%	32 - 160
p,m-Xylene	1,030	100	1,120	99.1%	46 - 148
o-Xylene	512	50.0	561	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for samples 27302 - 27304.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

11601

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Chevron Texaco GGSU	Gallegos Gallup Sand Unit	

Sampler:	Client No.
Jack Collins	01078-004

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH 8015	BTEX 8021					Remarks
MW-7@30'	11-26	0954	27302	Soil	1	✓	✓					
MW-7@33.5	11-26	0958	27303	" "	1	✓	✓					
MW-7@45'	11-26	1032	27304	" "	1	✓	✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C. Jack Collins	11-26-03	1344		112603	1344
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	S. Wall @ 20'	Date Reported:	11-13-03
Laboratory Number:	27166	Date Sampled:	11-11-03
Chain of Custody No:	11559-A	Date Received:	11-11-03
Sample Matrix:	Soil	Date Extracted:	11-13-03
Preservative:	Cool	Date Analyzed:	11-13-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**70.2**	**0.2**
Diesel Range (C10 - C28)	**95.3**	**0.1**
Total Petroleum Hydrocarbons	**166**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	11-13-TPH QA/QC	Date Reported:	11-13-03
Laboratory Number:	27166	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-13-03
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	04-29-03	1.8591E-002	1.8572E-002	**0.10%**	**0 - 15%**
Diesel Range C10 - C28	04-29-03	1.5507E-002	1.5492E-002	**0.10%**	**0 - 15%**

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	**ND**	**0.2**
Diesel Range C10 - C28	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	**70.2**	**70.0**	**0.3%**	**0 - 30%**
Diesel Range C10 - C28	**95.3**	**95.0**	**0.3%**	**0 - 30%**

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	**70.2**	**250**	**320**	**99.8%**	**75 - 125%**
Diesel Range C10 - C28	**95.3**	**250**	**345**	**99.8%**	**75 - 125%**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 27166, 27268 - 27172.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	S. Wall @ 20'	Date Reported:	11-13-03
Laboratory Number:	27166	Date Sampled:	11-11-03
Chain of Custody:	11559-A	Date Received:	11-11-03
Sample Matrix:	Soil	Date Analyzed:	11-13-03
Preservative:	Cool	Date Extracted:	11-13-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**32.5**	**1.7**
Ethylbenzene	**6.5**	**1.5**
p,m-Xylene	**6.9**	**2.2**
o-Xylene	**7.5**	**1.0**
Total BTEX	**53.4**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**98 %**
	1,4-difluorobenzene	**98 %**
	Bromochlorobenzene	**98 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	11-13-BTEX QA/QC	Date Reported:	11-13-03
Laboratory Number:	27166	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-13-03
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	4.2776E-002	4.2905E-002	0.3%	ND	0.2
Toluene	4.8966E-002	4.9064E-002	0.2%	ND	0.2
Ethylbenzene	7.4036E-002	7.4259E-002	0.3%	ND	0.2
p,m-Xylene	6.8275E-002	6.8480E-002	0.3%	ND	0.2
o-Xylene	5.5866E-002	5.5978E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	32.5	31.9	1.8%	0 - 30%	1.7
Ethylbenzene	6.5	6.4	1.5%	0 - 30%	1.5
p,m-Xylene	6.9	7.0	1.4%	0 - 30%	2.2
o-Xylene	7.5	7.7	2.7%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	32.5	50.0	82.3	99.8%	46 - 148
Ethylbenzene	6.5	50.0	56.4	99.8%	32 - 160
p,m-Xylene	6.9	100	106	99.1%	46 - 148
o-Xylene	7.5	50.0	57.4	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for samples 27166, 27169 - 27172.**

Analyst

Review

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11554-A

CHAIN OF CUSTODY RECORD

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Chevron Texaco	Gallegos Gallegos Sand Unit	

Sampler:	Client No.
Jack Collins	01079-003

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH 8015 BTEX 8021					Remarks
S-Wall@20'	11-11-3	13:00	27166	Soil	1	✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jack Collins	11-11-3	1645	[signature]	11-11-03	1645
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	Btm @ 25'	Date Reported:	11-13-03
Laboratory Number:	27169	Date Sampled:	11-12-03
Chain of Custody No:	11564	Date Received:	11-12-03
Sample Matrix:	Soil	Date Extracted:	11-13-03
Preservative:	Cool	Date Analyzed:	11-13-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**1,100**	**0.2**
Diesel Range (C10 - C28)	**1,620**	**0.1**
Total Petroleum Hydrocarbons	**2,720**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	North Wall @ 25'	Date Reported:	11-13-03
Laboratory Number:	27170	Date Sampled:	11-12-03
Chain of Custody No:	11564	Date Received:	11-12-03
Sample Matrix:	Soil	Date Extracted:	11-13-03
Preservative:	Cool	Date Analyzed:	11-13-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**1,710**	**0.2**
Diesel Range (C10 - C28)	**3,090**	**0.1**
Total Petroleum Hydrocarbons	**4,800**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	E. Wall @ 25'	Date Reported:	11-13-03
Laboratory Number:	27171	Date Sampled:	11-12-03
Chain of Custody No:	11564	Date Received:	11-12-03
Sample Matrix:	Soil	Date Extracted:	11-13-03
Preservative:	Cool	Date Analyzed:	11-13-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**38.4**	**0.2**
Diesel Range (C10 - C28)	**128**	**0.1**
Total Petroleum Hydrocarbons	**166**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	N. West Corn. Pit @ 25'	Date Reported:	11-13-03
Laboratory Number:	27172	Date Sampled:	11-12-03
Chain of Custody No:	11564	Date Received:	11-12-03
Sample Matrix:	Soil	Date Extracted:	11-13-03
Preservative:	Cool	Date Analyzed:	11-13-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**761**	**0.2**
Diesel Range (C10 - C28)	**1,130**	**0.1**
Total Petroleum Hydrocarbons	**1,890**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	11-13-TPH QA/QC	Date Reported:	11-13-03
Laboratory Number:	27166	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-13-03
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	04-29-03	1.8591E-002	1.8572E-002	**0.10%**	**0 - 15%**
Diesel Range C10 - C28	04-29-03	1.5507E-002	1.5492E-002	**0.10%**	**0 - 15%**

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	**ND**	**0.2**
Diesel Range C10 - C28	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	**70.2**	**70.0**	**0.3%**	**0 - 30%**
Diesel Range C10 - C28	**95.3**	**95.0**	**0.3%**	**0 - 30%**

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	**70.2**	**250**	**320**	**99.8%**	**75 - 125%**
Diesel Range C10 - C28	**95.3**	**250**	**345**	**99.8%**	**75 - 125%**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 27166, 27268 - 27172.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	Btm @ 25'	Date Reported:	11-13-03
Laboratory Number:	27169	Date Sampled:	11-12-03
Chain of Custody:	11564	Date Received:	11-12-03
Sample Matrix:	Soil	Date Analyzed:	11-13-03
Preservative:	Cool	Date Extracted:	11-13-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**42.8**	**1.8**
Toluene	**335**	**1.7**
Ethylbenzene	**475**	**1.5**
p,m-Xylene	**1,270**	**2.2**
o-Xylene	**543**	**1.0**
Total BTEX	**2,670**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**98 %**
	1,4-difluorobenzene	**98 %**
	Bromochlorobenzene	**98 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	North Wall @ 25'	Date Reported:	11-13-03
Laboratory Number:	27170	Date Sampled:	11-12-03
Chain of Custody:	11564	Date Received:	11-12-03
Sample Matrix:	Soil	Date Analyzed:	11-13-03
Preservative:	Cool	Date Extracted:	11-13-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**37.9**	**1.8**
Toluene	**335**	**1.7**
Ethylbenzene	**546**	**1.5**
p,m-Xylene	**1,420**	**2.2**
o-Xylene	**646**	**1.0**
Total BTEX	**2,980**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**98 %**
	1,4-difluorobenzene	**98 %**
	Bromochlorobenzene	**98 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	E. Wall @ 25'	Date Reported:	11-13-03
Laboratory Number:	27171	Date Sampled:	11-12-03
Chain of Custody:	11564	Date Received:	11-12-03
Sample Matrix:	Soil	Date Analyzed:	11-13-03
Preservative:	Cool	Date Extracted:	11-13-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**14.4**	**1.7**
Ethylbenzene	**75.7**	**1.5**
p,m-Xylene	**260**	**2.2**
o-Xylene	**166**	**1.0**
Total BTEX	**516**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**98 %**
	1,4-difluorobenzene	**98 %**
	Bromochlorobenzene	**98 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	N. West Corn. Pit @ 25'	Date Reported:	11-13-03
Laboratory Number:	27172	Date Sampled:	11-12-03
Chain of Custody:	11564	Date Received:	11-12-03
Sample Matrix:	Soil	Date Analyzed:	11-13-03
Preservative:	Cool	Date Extracted:	11-13-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**8.8**	**1.8**
Toluene	**454**	**1.7**
Ethylbenzene	**624**	**1.5**
p,m-Xylene	**1,500**	**2.2**
o-Xylene	**701**	**1.0**
Total BTEX	**3,290**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**98 %**
	1,4-difluorobenzene	**98 %**
	Bromochlorobenzene	**98 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	11-13-BTEX QA/QC	Date Reported:	11-13-03
Laboratory Number:	27166	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-13-03
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	4.2776E-002	4.2905E-002	0.3%	ND	0.2
Toluene	4.8966E-002	4.9064E-002	0.2%	ND	0.2
Ethylbenzene	7.4036E-002	7.4259E-002	0.3%	ND	0.2
p,m-Xylene	6.8275E-002	6.8480E-002	0.3%	ND	0.2
o-Xylene	5.5866E-002	5.5978E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	32.5	31.9	1.8%	0 - 30%	1.7
Ethylbenzene	6.5	6.4	1.5%	0 - 30%	1.5
p,m-Xylene	6.9	7.0	1.4%	0 - 30%	2.2
o-Xylene	7.5	7.7	2.7%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	32.5	50.0	82.3	99.8%	46 - 148
Ethylbenzene	6.5	50.0	56.4	99.8%	32 - 160
p,m-Xylene	6.9	100	106	99.1%	46 - 148
o-Xylene	7.5	50.0	57.4	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for samples 27166, 27169 - 27172.**

Analyst

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CHAIN OF CUSTODY RECORD

11564

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Chevron Texaco	Gallegos Gallegos Sand Unit	
Sampler: Jack Collins	**Client No.** 01079-003	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH 8015 BTEX 8021						Remarks
BTM @ 25'	11-12-3	1330	27169	Soil	1	✓						Rush
North Wall @ 25'	11-12-3	1415	27170	Soil	1	✓						↓
E. Wall @ 25'	11-12-3	1436	27171	Soil	1	✓						↓
N. West Corn. Pit @ 25'	11-12-3	1440	27172	Soil	1	✓						↓

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jack Collins	11-12-3	1612	[signature]	11-12-03	1612
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	S. Wall @ 25'	Date Reported:	11-12-03
Laboratory Number:	27139	Date Sampled:	11-11-03
Chain of Custody No:	11558	Date Received:	11-11-03
Sample Matrix:	Soil	Date Extracted:	11-11-03
Preservative:	Cool	Date Analyzed:	11-11-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	W. Wall @ 16'	Date Reported:	11-12-03
Laboratory Number:	27140	Date Sampled:	11-11-03
Chain of Custody No:	11558	Date Received:	11-11-03
Sample Matrix:	Soil	Date Extracted:	11-11-03
Preservative:	Cool	Date Analyzed:	11-11-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**36.7**	**0.2**
Diesel Range (C10 - C28)	**38.5**	**0.1**
Total Petroleum Hydrocarbons	**75.2**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	11-11-TPH QA/QC	Date Reported:	11-12-03
Laboratory Number:	27130	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-11-03
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	04-29-03	1.8591E-002	1.8572E-002	**0.10%**	**0 - 15%**
Diesel Range C10 - C28	04-29-03	1.5507E-002	1.5492E-002	**0.10%**	**0 - 15%**

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	**ND**	**0.2**
Diesel Range C10 - C28	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	**ND**	**ND**	**0.0%**	**0 - 30%**
Diesel Range C10 - C28	**ND**	**ND**	**0.0%**	**0 - 30%**

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	**ND**	**250**	**250**	**100.0%**	**75 - 125%**
Diesel Range C10 - C28	**ND**	**250**	**250**	**100.0%**	**75 - 125%**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 27130 - 27136, 27139 - 27140.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	S. Wall @ 25'	Date Reported:	11-12-03
Laboratory Number:	27139	Date Sampled:	11-11-03
Chain of Custody:	11558	Date Received:	11-11-03
Sample Matrix:	Soil	Date Analyzed:	11-11-03
Preservative:	Cool	Date Extracted:	11-11-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**35.7**	**1.7**
Ethylbenzene	**ND**	**1.5**
p,m-Xylene	**15.0**	**2.2**
o-Xylene	**ND**	**1.0**
Total BTEX	**50.7**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**96 %**
	1,4-difluorobenzene	**96 %**
	Bromochlorobenzene	**96 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ChevronTexaco	Project #:	01079-003
Sample ID:	W. Wall @ 16'	Date Reported:	11-12-03
Laboratory Number:	27140	Date Sampled:	11-11-03
Chain of Custody:	11558	Date Received:	11-11-03
Sample Matrix:	Soil	Date Analyzed:	11-11-03
Preservative:	Cool	Date Extracted:	11-11-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**148**	**1.7**
Ethylbenzene	**258**	**1.5**
p,m-Xylene	**772**	**2.2**
o-Xylene	**387**	**1.0**
Total BTEX	**1,570**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**96 %**
	1,4-difluorobenzene	**96 %**
	Bromochlorobenzene	**96 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gallegos Gallup Sand Unit.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	11-11-BTEX QA/QC	Date Reported:	11-12-03
Laboratory Number:	27134	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-11-03
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc.	Detect. Limit
Benzene	4.2776E-002	4.2905E-002	0.3%	ND	0.2
Toluene	4.8966E-002	4.9064E-002	0.2%	ND	0.2
Ethylbenzene	7.4036E-002	7.4259E-002	0.3%	ND	0.2
p,m-Xylene	6.8275E-002	6.8480E-002	0.3%	ND	0.2
o-Xylene	5.5866E-002	5.5978E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	ND	ND	0.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	ND	ND	0.0%	0 - 30%	2.2
o-Xylene	ND	ND	0.0%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	ND	50.0	49.9	99.8%	46 - 148
Ethylbenzene	ND	50.0	49.9	99.8%	32 - 160
p,m-Xylene	ND	100	99.9	99.9%	46 - 148
o-Xylene	ND	50.0	49.9	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for samples 27134 - 27136, 27139 - 27140.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

11558

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Chevron Texaco	Gallegos Gallup Sand Unit	
Sampler: CJC	Client No. 01079-003	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH 8015	BTEX 8021					Remarks
S. Wall @ 25'	11/11/03	11:00	27139	Soil	1	✓	✓					
W. Wall @ 16'	11/11/03	10:00	27140	Soil	1	✓	✓					

	Date	Time		Date	Time
Relinquished by: (Signature)	11/11/03	13:00	Received by: (Signature)	11/11/03	13 00
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

APPENDIX B

Bills of Ladings

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20940

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-11-03 JOB # [illegible]

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	LF #2	~~conco~~ chevron	Backfill		20		Envirotech	591		Larry Lee
2										
3										
4										
5										
6										
7										
8										
9										
10	LF #2	conco chevron	Backfill		20		Envirotech	591		Larry Lee

ENTERED NOV 19 2003

2921

Reed

NOV 19 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Larry Lee COMPANY Envirotech SIGNATURE Larry Lee

DATE 11/11/03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20955

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11/11/03 JOB # 01078

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	~~CONOCO~~ CHEVRON TEX. CO CHACO PLANT ND	ENVIROTECH LAND FARM #2	CONT DIRT	Q-20	20		ENVIROTECH	545		Roland Day
2				Q-22						Roland Day
3				Q-24						Roland Day
4				Q-23						Roland Day
5				Q-21						Roland Day
6				Q-23						Roland Day
7				Q-22						Roland Day
8				Q-20						Roland Day
9				Q-22						Roland Day
10				Q-24						Roland Day

ENTERED
Rec'd 1921
Rec'd
NOV 19 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Roland Day COMPANY ENVIROTECH SIGNATURE Roland Day

DATE 11-11-03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20956

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11/11/03 JOB # 01079-

LOAD	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH LAND FARM #2	~~CONOCO~~ TEXACO CHEVRON CLLC ORD	FILL DIRT		20		ENVIROTECH	549		Roland Day
2	"	"	"		"		"	"		Roland Day
3	"	"	"		"		"	"		Roland Day
4	"	"	"		"		"	"		Roland Day
5	"	"	"		"		"	"		Roland Day
6	"	"	"		"		"	"		Roland Day
7	"	"	"		"		"	"		Roland Day
8	"	"	"		"		"	"		Roland Day
9	"	"	"		"		"	"		Roland Day
								2671		
								Rec'd	NOV 10 2003	

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Roland Day COMPANY ENVIROTECH SIGNATURE Roland Day

DATE 11/11/03

To Re-order Call 326-PRNT (7768) or Fax 325-9764 RARE FORM Printing & Graphics FORM # 01

ENVIROTECH INC.
PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

Bill of Lading

MANIFEST # 20840

DATE 11-11-03 JOB # 01079-003

LOAD NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	LF #2	~~[illegible]~~ CHEVRON	BACKFILL		20		ENVIROTECH	555 518	7:10%	Mike Hoff
2	"	"	"		20		"			Mike Hoff
3	"	"	"		20		"			Mike Hoff
4	"	"	"		20		"			Mike Hoff
5	"	"	"		20		"			Mike Hoff
6	"	"	"		20		"			Mike Hoff
7	"	"	"		20		"			Mike Hoff
8	"	"	"		20		"			Mike Hoff
9	LF #2	~~[illegible]~~ CHEVRON	BACKFILL		20		ENVIROTECH	555 518	5:0%	Mike Hoff

ENTERED 2921

Rec'd ~~ENTERED~~ NOV 1 9 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Mike Hoff COMPANY ENVIROTECH SIGNATURE Mike Hoff

DATE 11-11-03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20951

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-11-03 JOB # 01027 [illegible]

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enviro. L.F.	~~Gallegos~~ Chaves	fill		20		Envirotech	558		
2										
3										
4										
5										
6										
7										
8										
9										

ENTERED NOV 1 9 2003

2921

Recd NOV 1 9 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME [illegible] COMPANY Envirotech SIGNATURE [signature]

DATE 11-11-03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20839

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-11-03 JOB # 01072-0003

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	[redacted] CHEVRON	LF #2	cond Dirt	Q-20	20		ENVIROTECH	555 518	7:00	[redacted]
2	"	"	"	Q-20	20		"			[redacted]
3	"	"	"	Q-20	20		"			[redacted]
4	"	"	"	Q-21	20		"			[redacted]
5	"	"	"	Q-21	20		"			[redacted]
6	"	"	"	Q-22	20		"			[redacted]
7	"	"	"	Q-23	20		"			[redacted]
8	"	"	"	Q23	20		"			[redacted]
9	"	"	"	Q-24	20		"			[redacted]
10	[redacted] CHEVRON	LF #2	"	Q-24	20		"	555 518	5:00	[redacted]
							[redacted]			

Rec'd NOV 19 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME MIKE HOYT COMPANY ENVIROTECH SIGNATURE [redacted]

DATE 11-11-03

ENVIROTECH INC.

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

Bill of Lading

MANIFEST # 20950

DATE 11-11-03 JOB # 01079-[illegible]

LOAD NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	[illegible]	Env./F2	Cont dirt	Q20	20		Envirotech	558		[signature]
2	↓	↓	↓	21	↓		↓	↓		↓
3	↓	↓	↓	23	↓		↓	↓		↓
4	↓	↓	↓	22	↓		↓	↓		↓
5	↓	↓	↓	24	↓		↓	↓		↓
6	↓	↓	↓	22	↓		↓	↓		↓
7	↓	↓	↓	24	↓		↓	↓		↓
8	↓	↓	↓	23	↓		↓	↓		↓
9	↓	↓	↓	22	↓		↓	↓		↓
10	↓	↓	↓	24	↓		↓	↓		↓

ENTERED

2921

Rec'd NOV 1 9 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME [signature] COMPANY Envirotech SIGNATURE [signature]

DATE 11-11-03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20939

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-11-03 JOB # 01979-003

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	~~Bloomfield~~ Chevron	LF #2	cont. Dirt	@ 22	20		Envirotech	551		
2				@ 20						
3				@ 21						
4				@ 24						
5				@ 23						
6				@ 22						
7				@ 23				ENTERED		
8				@ 23					2921	
9				@ 23						
10	~~Bloomfield~~ Chevron	LF #2	Cont. Dirt	@ 23	20		Envirotech	551		
								Read		
								ENTERED NOV 19 2003		

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Leroy Pack COMPANY Envirotech SIGNATURE Leroy Pack

DATE 11-11-03

ENVIROTECH INC.

Bill of Lading

20957

MANIFEST # ____

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11/12/03 JOB # [illegible]

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT: POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	TRANSPORTING COMPANY: COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	TEXICO CHEVRON CHACO RD	ENVIROTECH LAND FARM #2	CONT DIRT	Q-22	20		ENVIROTECH	549		[illegible]
2				Q-21	20					[illegible]
3				Q-23	20					[illegible]
4				Q-20	20					[illegible]
5				Q-22	20					[illegible]
6				Q-22	20					[illegible]
7				Q-23	20					[illegible]
8				Q-22	20					[illegible]
9				Q-23	20					[illegible]
10				Q-21	20					[illegible]
11				Q-23	20					[illegible]
12				Q-23	20					[illegible]
					ENTERED NOV [illegible] 2003					
					2921		RECEIVED [illegible]			

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Roland Day COMPANY ENVIROTECH SIGNATURE [illegible]

DATE [illegible]

ENVIROTECH INC.

Bill of Lading

20504

MANIFEST # _____

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-12-03 JOB # 21079 #87

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Chevron Texaco	Encl 2	Cont Soil	Q 21	20		Envirotech	558		
2				Q 23						
3				Q 22						
4				Q 22						
5				R 21						
6				R 22						
7				R 23						
8				R 21						
9				R 22						
10				R 21						
11				R 21						
12				R 23						
							ENTERED NOV 19 2003			
	7-1630	9.5					2921	Rec'd NOV 19 2003		

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME M. Winterton COMPANY Envirotech SIGNATURE _____

DATE 11-12-03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20957

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-12-03 JOB # [illegible]

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	~~Conoco~~ Texaco Chevron	LF #2	cont. Dirt	Q22	20		Envirotech	551		[signature]
2				Q20						
3				Q23						
4				Q22						
5				R22						
6				R23						
7				R24						
8				R22			ENTERED			
9				R24			292			
10				R23						
11	~~Conoco~~ Chevron Texaco			R22						[signature]
~~12~~	~~Conoco Chevron~~	~~LF #2~~	~~cont. Dirt~~	~~R23~~	~~20~~		~~Envirotech~~			[signature]
12	Chevron Texaco	LF #2	Cont. Dirt	R23	20		Envirotech	551		[signature]
								~~RECEIVED~~ Rec'd NOV 19 2003		

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME [signature] COMPANY Envirotech SIGNATURE [signature]

DATE [illegible]

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20901

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-12-03 JOB # [illegible]

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Blanco	LF #2	cont Dist	Q-20	20		ENVIROTECH	555	7:00 AM	Mike Hoyt
2	"	LF #2	cont Dist	Q-23	20		ENVIROTECH	555 518		Mike Hoyt
3	"	LF #2	cont Dist	Q-21	20		"	555 518		Mike Hoyt
4	"	"	"	Q-20	20		"	555 518		Mike Hoyt
5	"	"	"	R-20	20		"	555 518		Mike Hoyt
6	"	"	"	R-20	20		"	555 518		Mike Hoyt
7	"	"	"	R-20	20		"	555 518		Mike Hoyt
8	"	"	"	R-20	20		"	555 518		Mike Hoyt
9	"	"	"	R-20	20		"	555 518		Mike Hoyt
10	"	"	"	R-20	20		"	555 518		Mike Hoyt
11	"	"	"	R-20	20		"	555 518		Mike Hoyt
12	"	"	"	R-23	20		"	555 518	11:00 AM	Mike Hoyt
					ENTERED			ENTERED		NOV-19 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Mike Hoyt COMPANY ENVIROTECH SIGNATURE Mike Hoyt

DATE 11-12-03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20936

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-12-05 JOB # 01079-028

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Land Farm #2	~~Texaco~~ Chevron	Back Fill		20		Envirotech	551		
2										
3										
4										
5										
6										
7										
8										
9							ENTERED			
10								292		
11	Land Farm #2	~~Truck~~ Chevron Texaco	Back Fill		20		Envirotech	551		
12	~~Land Farm #2~~	COR Chevron	~~Back Fill~~		20		Envirotech	551		

Rec'd NOV 18 2005

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Leroy Paul COMPANY Envirotech SIGNATURE

DATE 11-12-05

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20903

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-12-03 JOB # 01077-001

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Envirotech	Chevron-Texaco	fill		20		Envirotech	558		
2	〃	〃	〃		〃		〃	〃		〃
3	〃	〃	〃		〃		〃	〃		〃
4	〃	〃	〃		〃		〃	〃		〃
5	〃	〃	〃		〃		〃	〃		〃
6	〃	〃	〃		〃		〃	〃		〃
7	〃	〃	〃		〃		〃	〃		〃
8	〃	〃	〃		〃		〃	〃		〃
9	〃	〃	〃		〃		〃	〃		〃
10	〃	〃	〃		〃		〃	〃		〃
11	〃	〃	〃		〃		〃	〃		〃

ENTERED NOV 13 2003

2921

RECEIVED NOV 13 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME R. Winterton COMPANY Envirotech SIGNATURE

DATE 11-12-03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20958

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11/12/08 JOB # 0108-06-01

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH Land Farm #2	TEXICO/CHEV Fill Dirt	FILL DIRT		20		ENVIROTECH	549		Roland Dye
2	"	"	"		20		"	"		Roland Dye
3	"	"	"		20		"	"		Roland Dye
4	"	"	"		20		"	"		Roland Dye
5	"	"	"		20		"	"		Roland Dye
6	"	"	"		20		"	"		Roland Dye
7	"	"	"		20		"	"		Roland Dye
8	"	"	"		20		"	"		Roland Dye
9	"	"	"		20		"	"		Roland Dye
10	"	"	"		20		"	"		Roland Dye
11	"	"	"		20		"	"		Roland Dye
						ENTERED NOV 14 2008				
							2921	RECEIVED NOV 14 2008		
								RECEIVED NOV 14 2008		

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Roland Dye COMPANY ENVIROTECH SIGNATURE Roland Dye

DATE 11/12/08

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20902

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-12-03 JOB # 01079-004

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	LF #2	CHENOAH TEXCO	BACKFILL		20		ENVIROTECH	555 518	7:00	
2	LF #2	"	"		20		"	555		
3	LF #2	"	"		20		"	555		
4	LF #2	"	"		20		"	555		
5	LF #2	"	"		20		"	555		
6	LF #2	"	"		20		"	555 518		
7	LF #2	"	"		20		"	555		
8	LF #2	"	"		20		"	555		
9	LF #2	"	"		20		"	514 555	4:00	
10	LF #2	"	"		20		"	"		
11	LF #2	"	"		20		"	"		

Rec'd ENTERED NOV 19 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Mike Hoyt COMPANY ENVIROTECH SIGNATURE

DATE 11-12-03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20953

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-13-03 JOB # 01079 003

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Pan. Land Farm	Chevron Texaco	fill		20		Envirotech	558		
2	〃	〃	〃		〃		〃	〃		〃
3	〃	〃	〃		〃		〃	〃		〃
4	〃	〃	〃		〃		〃	〃		〃
5	〃	〃	〃		〃		〃	〃		〃
6	〃	〃	〃		〃		〃	〃		〃
7	〃	〃	〃		〃		〃	〃		〃
8	〃	〃	〃		〃		〃	〃		〃

ENTERED NOV 13 2003

RECEIVED NOV 13 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME N. Winterton COMPANY Envirotech SIGNATURE

DATE 11-13-03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20961

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-13-00 JOB # 01079-005

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Load Farm #2	~~Texaco~~ Chevron Texaco	Backfill		20		Envirotech	551		L. Paul
2	"	"	"		"		"	"		"
3	"	"	"		"		"	"		"
4	"	"	"		"		"	"		"
5	"	"	"		"		"	"		"
6	"	"	"		"		"	"		"
7	Load Farm #2	Chevron Texaco	Backfill		20		Envirotech	551		L. Paul

ENTERED

2921

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Leroy Paul COMPANY Envirotech SIGNATURE L. Paul

DATE 11-13-00

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20960

DATE 11/13/03 JOB # 01059-

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH LANDFARM #2	CHEVRON TEXICO RD CHACO PLANT	FILL DIRT	[illegible]	20		ENVIROTECH	549		[signature]
2				[illegible]						[signature]
3				[illegible]						[signature]
4				[illegible]						[signature]
5				[illegible]						[signature]
6				[illegible]						[signature]
7				[illegible]						[signature]
					ENTERED	2921	RECEIVED NOV 1 9 2003			

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Rolland Day COMPANY Envirotech SIGNATURE [signature]

DATE 11/13/03

ENVIROTECH INC.

Bill of Lading

20884

MANIFEST # _____

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-13-08 JOB # 01079-003

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	LF #2	CHEVRON TEXACO	BACKFILL		20		ENVIROTECH	555 578	7:30	
2					20					
3					20					
4					20					
5					20					
6					20					
7					20					
8					20					
9	NO				~~20~~				2:30	
					ENTERED NOV 14 2008					
							2921			

RECEIVED NOV 13 2008

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Mike Hoyt COMPANY ENVIROTECH SIGNATURE _____

DATE 11-13-08

ENVIROTECH INC.

Bill of Lading

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

MANIFEST # 20954

DATE 11-13-08 JOB # [illegible]

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT: POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	TRANSPORTING COMPANY: COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Texaco Chevron	LF #2	Cont Dirt	R-22	20		ENVIROTECH	555 518	7:00	[signature]
2		LF #2	Cont Dirt	R-25	20					[signature]
3				R-24	20					[signature]
4				R-24	20					[signature]
5				R-24	20					[signature]
6				R-23	20					[signature]
7				R-24	20					[signature]
				~~R-2?~~	~~20~~				2:30	[signature crossed out]
						2921				

RECEIVED NOV 1 9 2008

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Mike Hoyt COMPANY Envirotech SIGNATURE [signature]

DATE 11-13-08

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20952

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-13-02 JOB # 02079-005

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Conoco-Texaco	Env. LF 2	Cont Dirt	R22	20		Envirotech	558		
2				R24						
3				R24						
4				R24						
5				R23						
6				R24						
7				S20						
		2 15	8 hrs							
							2921	RECEIVED NOV 1 8 2002		

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME R. Wimberly COMPANY Envirotech SIGNATURE

DATE 11-13-02

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20959

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11/13/03 JOB # 0107[illegible]

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	~~TEXACO~~ / CHEVRON TEXACO CHACO PLANT A.D	ENVIROTECH LAND FARM #2	CONT. DIRT	R-22	20		ENVIROTECH	545		[signature]
2				R-24						[signature]
3				R-24						[signature]
4				R-21						[signature]
5				R-23						[signature]
6				R-24						[signature]
7				S-23						[signature]

ENTERED NOV 19 2003
2921

RECEIVED NOV 19 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Roland Day COMPANY ENVIROTECH SIGNATURE [signature]

DATE 11/13/03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20962

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-13-03 JOB # [illegible]

LOAD	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	[illegible] Texco	LF #2	Cont. Dirt	R23	20		Envirotech	551		Larry Paul
2				R24						
3				R23						
4				R24						
5				R24						
6				S20						
7	Chevron Texco	LF #2	Cont Dirt	S22	20		Envirotech	551		Larry Paul

ENTERED ... 9 2921

RECEIVED NOV 18 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Larry Paul COMPANY Envirotech SIGNATURE [signature]

DATE 11-13-03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 21021

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11/21/03 JOB # 01079-003

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH LF #2	CHEVERON TEV.CU	F.L.L. DIRT		20		ENVIROTECH	549		Rahl Day
2	" "	CHACO PLANT ROAD	"		"		"	549		Rahl Day
3	" "	" "	"		"		"	549		Rahl Day
4	" "	" "	"		"		"	549		Rahl Day
5	" "	" "	"		"		"	549		Rahl Day
6	" "	" "	"		"		"	549		Rahl Day
7	" "	" "	"		"		"	549		Rahl Day
8	" "	" "	"		"		"	549		Rahl Day
9	" "	" "	"		"		"	549		Rahl Day

RECEIVED NOV 23 2003

ENTERED NOV 25 2003

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Rahl Day COMPANY ENVIROTECH SIGNATURE Rahl Day

DATE 11/21/03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 20858

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-21-03 JOB # [illegible]

LOAD NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Land Farm #2	Tesoro ~~[illegible]~~	Back 7.11		20		Envirotech	55/570		[signature]
2	Land Farm #2		Back 7.11		20		Envirotech	55/570		[signature]
3	Land Farm #2		Back 7.11		20		Envirotech	55/570		[signature]
4	Land Farm #2		Back 7.11		20		Envirotech	55/570		[signature]
5	Land Farm #2		Back 7.11		20		Envirotech	55/570		[signature]
6	Land Farm #2	Tesoro ~~[illegible]~~	Back 7.11		20		Envirotech	55/570		[signature]

ENTERED [illegible]

RECEIVED NOV 2 3 2003

2921

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME [illegible] COMPANY Envirotech SIGNATURE [signature]

DATE 11-21-03

ENVIROTECH INC.

Bill of Lading

MANIFEST # 21017

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 1/26/03 JOB # 01029-002

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT: POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	TRANSPORTING COMPANY: COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	CHEVRON TEXACO	BROWN RANCH WASH	CONCRETE		20		ENVIROTECH	549	8:30	[illegible signature]

ENTERED DEC [illegible] 2003

2970

Changed to "no bill"

RECEIVED DEC [illegible] 2003

12/19/03

[illegible initials]

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Roland Day COMPANY ENVIROTECH SIGNATURE [illegible signature]

DATE 1/26/03

APPENDIX C

Field Notes

ENVIROTECH INC.
FARMINGTON, NM 5796 HIGHWAY 64
MONITOR WELL DATA

Date: 12-01-03 Project No: 01079-004

Project Name: Chevron Texaco Chain of Custody No: _____

Location: Gallegos Gallup Sand Unit

Project Manager: CJC Sampler: T Long

MONITOR WELL DATA

WELL #	TIME	OVM ppm	pH	COND. µS	TEMP. °F	DEPTH TO WATER FT.	TOTAL DEPTH FT.	WATER COLUMN FT.	BAILED Water Gal.	PRODUCT Ft.	WATER LEVEL FT.
MW-7	1046	--	6.0	0.15	58.5	34.22	47.36	13	6.5	.01	

Notes: TOC = Top of Casing
Bailed = 3 well volummes:
1.25" well = 0.19 gal/ft.
2.00" well = 0.49 gal/ft.
4.00" well = 1.96 gal/ft.
Note well diameter if not one of the above.

APPENDIX D

Workplan

ENVIROTECH INC.

5796 U.S. Highway 64 Farmington, NM 87401 Tel (505) 632-0615 Fax (505) 632-1865

Mr. Bill Freeman
Navajo Nation EPA
P.O. Box 1999
Shiprock, NM 87420
Phone (505) 368-1040
Fax (505) 368-1042

Mr. James Walker
US EPA c/o BLM
1235 La Plata Hwy
Farmington, NM 87401
Phone (505) 599-8900
Fax (505) 599-8998

November 3, 2003

Job #01079-003

Re: ChevronTexaco Gallegos Gallup Sand Unit, NWSE S7, T26N, R11W, San Juan County, New Mexico Pit Closure Workplan

Dear Mr. Freeman and Mr. Walker:

Envirotech Inc, on behalf of ChevronTexaco, is pleased to submit the following work plan for remediation of the unlined pit at the Gallegos Gallup Sand Unit, located in NWSE S7, T26N, R11W, San Juan County, New Mexico. The attached ***Figure 1, Vicinity Map*** shows the location of the unlined pit. Envirotech proposes to excavate the hydrocarbon impacted soil to a cleanup level of 1000 ppm TPH. The work will be done in accordance with the current BLM Guidelines.

This work will be undertaken with a ChevronTexaco approved health and safety plan. All work will be undertaken according to applicable OSHA regulations and any other applicable health and safety regulations.

Well Abandonment

Envirotech proposes to abandon the existing (six) 6 monitor wells in the following manner:
All removable casing will be removed. The borehole will then be grouted to within three feet of the existing surface and the remaining portion of the borehole backfilled with native soil. Wells that do not permit casing removal will be grouted to the surface with grout. The grout will be tremied in place. After the grout has had sufficient time to set the casing will be cut off 3 feet below ground level and then backfilled with native soil.

Water Removal

Any existing water in the pit will be removed by a vacuum truck and transported too Enviortech's Permitted Land Farm #2 for offsite disposal.

Fencing and Site Preparation

Prior to well removal and site preparation, at least two benchmarks will be set and surveyed in to the existing monitor wells. These points will be used to establish total in place volume removed at the end of the excavation prior to back filling.
The existing fencing and berms will be removed and disposed of appropriately off-site. The area to be used for stockpiling will be cleared of brush. Temporary fencing will be provided to prohibit livestock and persons after normal work hours.

Excavation, Transport, Disposal, Stockpiling and Backfilling

Envirotech proposes to use one trackhoe, two front-end loaders and four 20 yard trucks to excavate the soil, stockpile the clean soil and transport the contaminated soil to Envirotech's NMED Permitted Landfarm #2, approximately 6 miles from the site. Clean virgin fill soil will be backhauled from the landfarm. The soil will be monitored in the field using a photoionization detector (PID) on a regular basis to segregate contaminated soil (100 ppm or greater) from clean soil. Envirotech proposes to allow the pit to naturally slope as it is excavated in order to achieve the target depth of approximately 15 feet and slope of 30 degrees.

Following completion of excavation, composite soil samples will be collected from the walls and bottom of the excavation. The samples will be analyzed for BTEX using USEPA Method 8021B and TPH using USEPA Method 8015. After receiving favorable analytical results, the excavation will be terminated and backfilling with clean soil will begin.

Backfilling will be performed in six-inch lifts and wheel rolled to compact it. The excavation will be mounded slightly to allow runoff. The top of the excavation will be seeded using BLM Seed Mix #1. The seed mixture will be mulched with certified weed free straw and disked in to prevent erosion. The reseeded area will be monitored on a monthly basis for one year.

Following reseeding of the disturbed area, a report will be prepared that includes site photos, bills of lading, description of daily activities, headspace readings, and confirmation laboratory analyses.

Completion Time

Envirotech has the work scheduled to start on or about November 10, 2003, and we estimate the fieldwork will require approximately 12 working days to complete.

Respectfully Submitted,
ENVIROTECH INC.

C. Jack Collins, P.G. #1822
Chief Environmental Scientist/Hydrogeologist
NM CES # 038
jcollins@envirotech-inc.com

Reviewed by,

Morris D. Young
President
NM CES # 008
myoung@envirotech-inc.com

Attachment: Vicinity Map

Cc: Bob Sterret, Engineering Management Support Incorporated
Joe Rezendes, ChevronTexaco
Denny Foust, NMOCD, Farmington
Bill Blackard, BLM Farmington

APPENDIX E

Site Photos

Gallegos Gallup Sand Unit Pit Closure Site Photographs
November 10, 2003

Photo 1: View to the south showing removal of the overburden

Gallegos Gallup Sand Unit Pit Closure Site Photographs
November 11, 2003

Photo 2: View to the east showing hydrocarbon-impacted soil.

Photo 3: View to the north showing removal of hydrocarbon-impacted soil.

Gallegos Gallup Sand Unit Pit Closure Site Photographs
November 11, 2003

Photo 4: View to the northwest of the excavation area.

Photo 5: View to the northeast showing removal of the overburden.

Gallegos Gallup Sand Unit Pit Closure Site Photographs
November 11, 2003

Photo 6: View to the north showing the excavation area.

Photo 7: View to the east showing excavation area.

Gallegos Gallup Sand Unit Pit Closure Site Photographs
November 12, 2003

Photo 8: View to the west of the excavation area.

Photo 9: View to the northeast. Shows thin layer of hydrocarbon-impacted soil on east side of pit.

Gallegos Gallup Sand Unit Pit Closure Site Photographs
November 13, 2003

Photo 10: View to the north showing application of "oxidizer".

Photo 11: View to the north showing application of "oxidizer".

Gallegos Gallup Sand Unit Pit Closure Site Photographs
November 13, 2003

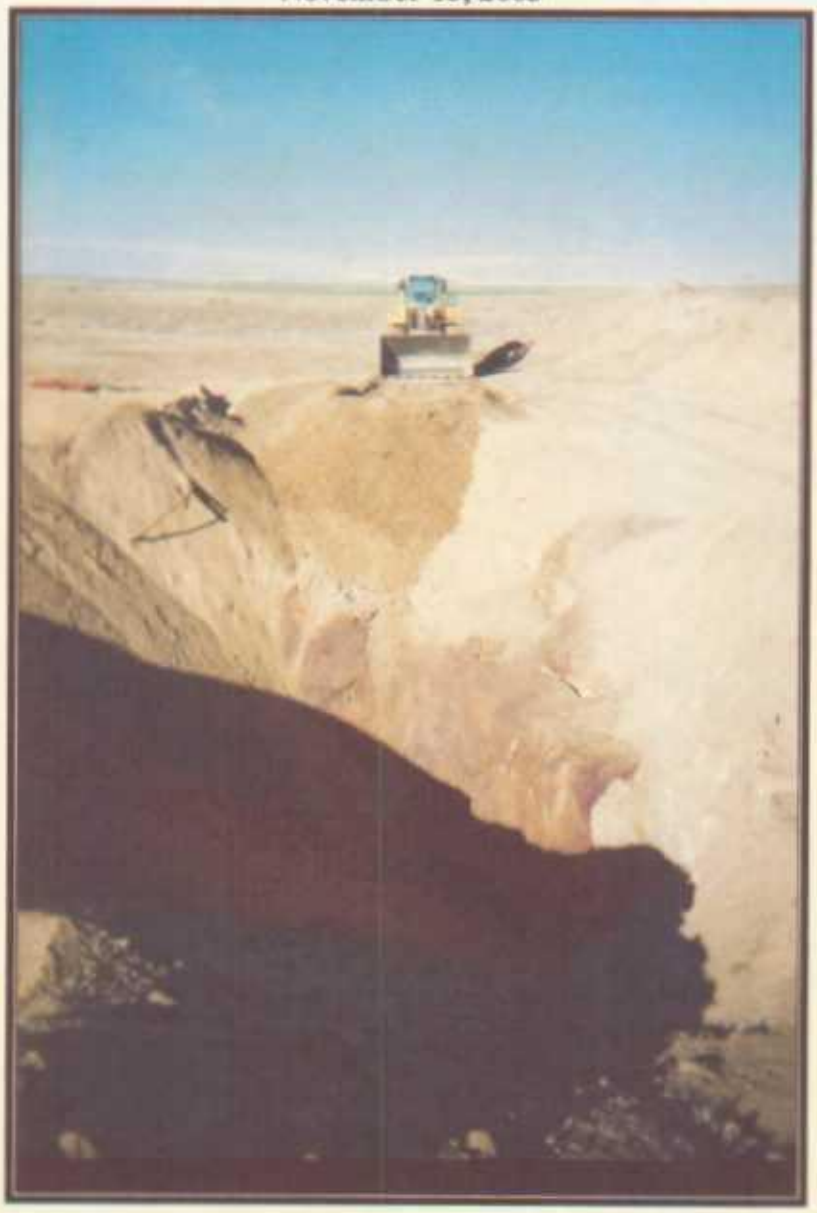

Photo 12: View to the north showing start of backfill activities.

Gallegos Gallup Sand Unit Pit Closure Site Photographs
December 1, 2003

Photo 13: View to the west showing completion of backfill activities, final grade and MW-7.

Photo 14: View to the northwest showing completion of closure activities.

Gallegos Gallup Sand Unit Pit Closure Site Photgraphs
December 1, 2003

Photo 15: View to the west of MW-7.