

1R - 293

REPORTS

DATE:

2002

RECEIVED

June 11, 2002

AUG 27 2002

VIA FACSIMILE: (505) 393-0720

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Mr. Paul R. Sheeley
New Mexico Oil Conservation Division
1625 French Drive
Hobbs, New Mexico 88240

Re: Final Remediation Report, Former McKinley Lease Production Facility, Unit Letter A (NE/4, NE/4), Section 30, Township 18 South, Range 38 East, Lea County, New Mexico

Dear Mr. Sheeley:

Texaco Exploration and Production Inc. (Texaco) has retained Larson and Associates, Inc. (LA) to supervise remediation of soil at a former oilfield production facility (Site) that it once operated on the M^cKinley Lease in the northeast quarter (NE/4) of the northeast quarter (Unit Letter A), Section 30, Township 18 South, Range 38 East, Lea County, New Mexico. A remediation work plan was submitted to the New Mexico Oil Conservation Division (NMOCD) on January 28, 2002, and proposed to excavate soil at three locations to achieve the NMOCD Recommended Remediation Action Level (RRAL) of 100 milligrams per kilogram (mg/kg) total petroleum hydrocarbon (TPH). Figure 1 presents a location and topographic map.

Background

In October 1999, Mr. Hugh L. (Jim) Davis requested Texaco to perform an investigation to determine if soil at the Site had been affected from the former production facility. Between October 19 and 22, 1999, 12 borings (BH-1 through BH-12) were drilled at the Site to approximately 30 feet below ground surface (BGS) using a truck-mounted air rotary rig. A split-spoon sampler was used to collect soil samples that were field screened for organic contaminants using a photoionization detector (PID) in accordance with NMOCD procedures ("Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993"). The soil samples that exhibited headspace readings above 100 parts per million (ppm) were analyzed for benzene, toluene, ethylbenzene and xylenes (collectively referred to as BTEX) using EPA method SW-846-8021B. Method SW-846-8015B was used to analyze the sample that exhibited the highest contaminant level, based on the field screening measurements, as well as the deepest sample from each boring, and included gasoline range organics (GRO) and diesel range organics (DRO). The samples were also analyzed for chloride. Three (3) locations (BH-5, BH-10 and BH-11) reported TPH and BTEX in soil samples above the test method detection limits. No benzene and total BTEX concentrations exceeded the NMOCD RRAL of 10 mg/kg and 50 mg/kg, respectively. The highest chloride value (270 mg/kg) was reported in the sample from boring BH-8, 5 to 6 feet BGS. The laboratory analyses and a drawing showing the locations of the borings were included as attachments to the remediation work plan that was submitted to the NMOCD.

An agreement between Texaco, and the estate of Flo Davis, stated that Texaco would excavate soil from the three (3) locations (BH-5, BH-10 and BH-11) where TPH levels exceeded the RRAL (100 mg/kg).

Mr. Paul R. Sheeley
June 11, 2002
Page 2

Remediation Activities

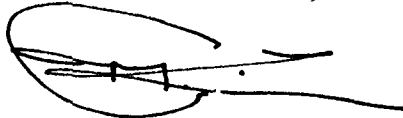
Environmental Plus, Inc. (EPI) was retained to excavate soil from the three areas (BH-5, BH-10 and BH-11) where TPH exceeded the RRAL. On January 31, 2002, remediation activities began at location BH-11 (Hole #1), progressing to location BH-5 (Hole #2) and location BH-10 (Hole #3). Soil was excavated from the areas until laboratory analysis of soil samples from the sides and bottom of the excavations reported TPH values below 100 mg/kg. Hole #1 and Hole #2 were joined together as the excavations extended south and east. Several out-of-service pipelines that belong to Shell Pipeline Company, Duke Energy Field Services and Rice Engineering were encountered near the southeast corner of Hole #1. Evidence of pipeline repairs suggested that leaks may have occurred from the pipelines. The area where pipelines had been made was excavated to remove impacted soil. The area around locations BH-5 and BH-11 (Hole #1 and Hole #2) was excavated to about 27 feet BGS. The final excavation measured approximately 100 x 100 feet. The contaminated soil was transported to Texaco's centralized waste management facility (landfarm) located northwest of Jal, New Mexico. The final soil samples from the bottom and sides of the excavations reported TPH (DRO and GRO) levels below 100 mg/kg. The sample results are presented in bold type on Table 1. Figure 2 presents a Site drawing showing the excavations, sample locations, and TPH concentrations. Appendix A presents the laboratory reports. Appendix B presents photographs of the Site.

Location BH-10 (Hole #3) was excavated to approximately 27 feet BGS, and the excavation measured approximately 40 x 65 feet. The concentrations of TPH in the final samples from the sides of the excavation were below 100 mg/kg. The TPH concentration in soil samples from the bottom of the excavation were from 126 to 184 mg/kg. Figure 2 presents a Site drawing showing the location of excavation #3, soil samples, and TPH concentrations. The sample results are presented in bold type on Table 1. Appendix A presents the laboratory reports. Appendix B presents photographs of the Site.

Approximately 7,288 cubic yards of contaminated soil was transferred to Texaco's landfarm. Clean soil was transported to the Site, and has been stockpiled. Texaco requests the NMOCD allow it to fill the excavations, and provide a closure letter for the Site. Please call Mr. Robert Patterson with ChevronTexaco at (915) 687-7100 or myself at (915) 687-0901 if you have questions.

Sincerely,

Larson and Associates, Inc.



Mark J. Larson, CPG, CGWP
President

Encl.

cc: Robert Patterson

TABLES

Table 1: Summary of BTEX and TPH Analyses of Soil Samples
Texaco Exploration and Production Inc., McKinley Lease
Lea County, New Mexico

Page 1 of 3

Area (Excavation)	Sample Date	Sample Number	Location	DRO mg/kg	GRO mg/kg	TPH mg/kg	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylene mg/kg	Total BTEX mg/kg
1	31-Jan-02	1	Bottom	<10	44	44	--	--	--	--	--
		2	West	<10	<10	<20	--	--	--	--	--
		3	East	334	1590	1924	--	--	--	--	--
	06-Feb-02	4	North	<10	30	30	--	--	--	--	--
		5	South	192	958	1150	--	--	--	--	--
		6	South	<10	186	186	--	--	--	--	--
	26-Feb-02	7	East	124	905	1029	--	--	--	--	--
		8	South-West End	<10	92	92	--	--	--	--	--
		9	South-East End	2460	6590	9050	--	--	--	--	--
	06-Mar-02	10	East End	<50	279	279	--	--	--	--	--
		11	North-East End	650	2810	3460	--	--	--	--	--
		12	Bottom-East End	1410	4930	6340	--	--	--	--	--
	06-May-02	13	North-East End	100	684	784	--	--	--	--	--
		14	Bottom-East End	69	549	618	--	--	--	--	--
		15	East End	111	476	587	--	--	--	--	--
	10-May-02	16	South-East End	408	1560	1968	--	--	--	--	--
		17	Bench-East End	<10	39	39	--	--	--	--	--
		56	North-East End	<10	<10	<20	--	--	--	--	--
	10-May-02	57	East End	37.8	<10	37.8	--	--	--	--	--
		58	South-East End	47.1	<10	47.1	--	--	--	--	--
		59	Southwest-Bottom	<10	<10	<20	--	--	--	--	--
		60	Southeast-Bottom	<10	<10	<20	--	--	--	--	--

Notes:

1. mg/kg: Milligrams kilogram
2. <: Less than method
3. --: No data available

Table 1: Summary of BTEX and TPH Analysis of Soil Samples
Texaco Exploration and Production, Inc., Fuller Gas Plant
Scurry County, Texas

Page 2 of 3

Location (Excavation)	Sample Date	Sample Number	Location	GRO mg/kg	DRO mg/kg	TPH mg/kg	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylene mg/kg	Total BTEX mg/kg
2	06-Feb-02	18	East	<10	33	33	--	--	--	--	--
		19	Bottom-East	<50	245	245	--	--	--	--	--
		20	South	<100	529	529	--	--	--	--	--
		21	West	<100	12700	12700	--	--	--	--	--
		22	West-Bottom	<100	3250	3250	--	--	--	--	--
	12-Feb-02	23	North	<10	25	25	--	--	--	--	--
		24	Northwest	<100	672	672	--	--	--	--	--
		25	West	<10	974	974	--	--	--	--	--
		26	Bottom-Southwest	286	2380	2666	--	--	--	--	--
		27	Southwest	1830	5760	7590	--	--	--	--	--
	26-Feb-02	28	Northwest	<10	<10	<20	--	--	--	--	--
		29	Bottom-East	<50	1090	1090	--	--	--	--	--
		30	Bottom-East	<10	85.6	85.6	--	--	--	--	--
		31	West	333	5300	5633	--	--	--	--	--
		32	West-Southwest	<10	31.6	31.6	--	--	--	--	--
	06-Mar-02	33	End-Southwest	<10	17.4	17.4	--	--	--	--	--
		34	Bottom-Southwest	24.1	133	157.1	--	--	--	--	--
		35	East-Southwest	113	501	614	--	--	--	--	--
		36	West	962	4770	5732	--	--	--	--	--
		37	Bottom-Southwest	28	309	337	--	--	--	--	--
	11-Mar-02	38	East-Southwest	1610	3100	4710	--	--	--	--	--
		39	West-North	354	3380	3734	--	--	--	--	--
		40	West	<10	68.5	68.5	--	--	--	--	--

Notes:

1. mg/kg: Milligrams kilogram
2. <: Less than μ method
3. --: No data available

Table 1: Summary of BTEX and TPH Analysis of Soil Samples
Texaco Exploration and Production Inc., McKinley Lease
Lea County, New Mexico

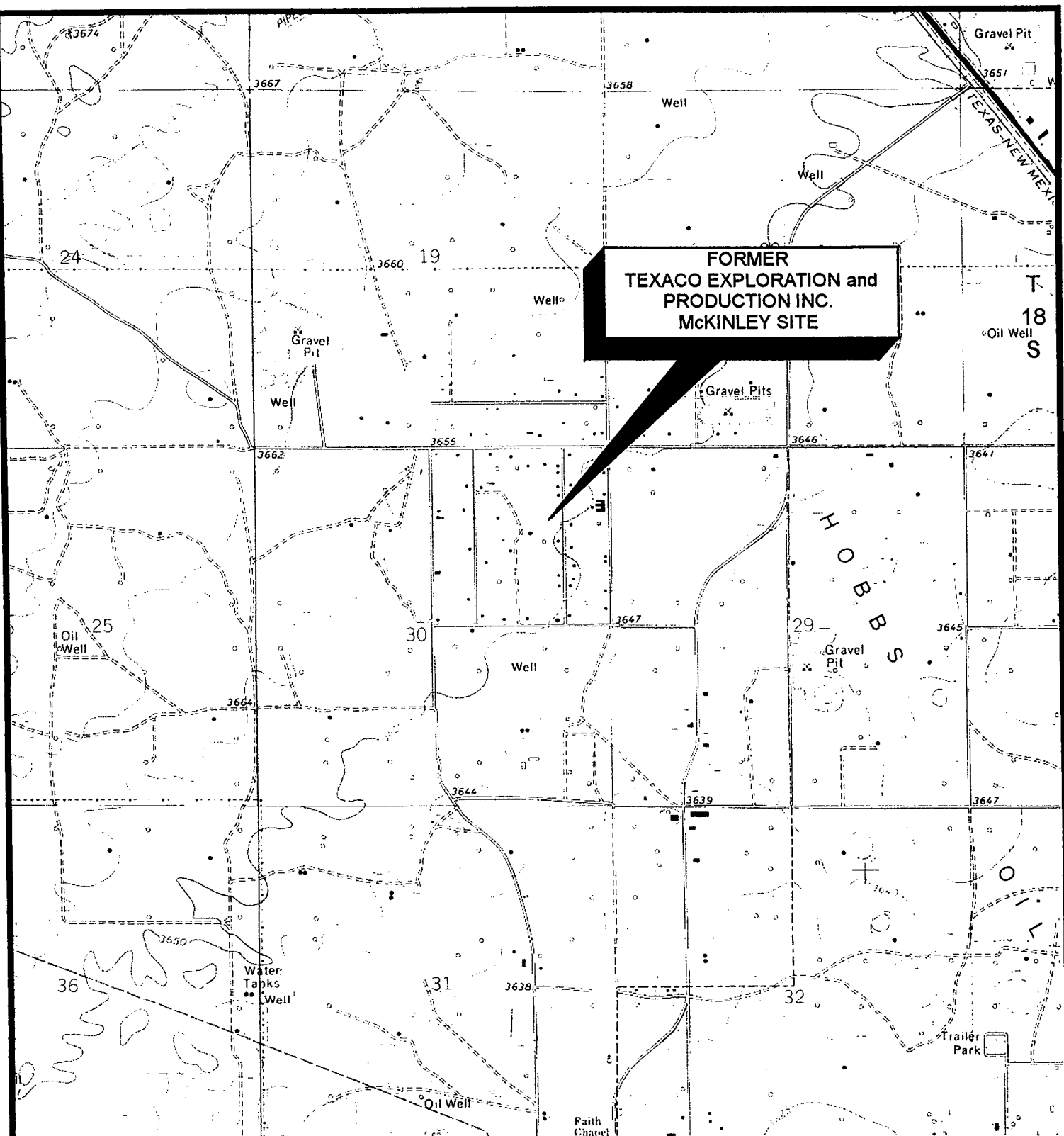
Page 3 of 3

Area (Excavation)	Sample Date	Sample Number	Location	GRO mg/kg	DRO mg/kg	TPH mg/kg	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylene mg/kg	Total BTX mg/kg
(Cont.)	21-Mar-02	41	West-Southwest	<10	<10	<20	--	--	--	--	--
	28-Mar-02	42	East	<10	<10	<20	--	--	--	--	--
		43	Bottom-Northeast	<10	<10	<20	--	--	--	--	--
		44	Northwest	<10	<10	<20	--	--	--	--	--
3	06-Feb-02	45	North	916	4010	4926	<0.025	0.220	1.44	6.164	7.824
		46	East	<10	67	67	--	--	--	--	--
	06-Feb-02	47	South	70	524	594	--	--	--	--	--
		48	West	435	1960	2395	--	--	--	--	--
		49	Bottom	1090	2710	3800	--	--	--	--	--
	12-Feb-02	50	North	<10	75	75	--	--	--	--	--
		51	South	<10	<10	<20	--	--	--	--	--
		52	West	<10	<10	<20	--	--	--	--	--
		53	Bottom	<10	126	126	--	--	--	--	--
	26-Feb-02	54	Bottom	<10	184	184	--	--	--	--	--
	06-Mar-02	55	Bottom	<10	154	154	--	--	--	--	--

Notes:

1. mg/kg: Milligrams kilogram
2. <: Less than method
3. --: No data available

FIGURES



R-37-E

R-38-E

TAKEN FROM U.S.G.S.
HOBBS WEST, N. MEX. 1979
7.5' QUADRANGLES



SCALE: 1"=2000'

FIGURE #1

LEA COUNTY, NEW MEXICO

**TEXACO EXPLORATION and
PRODUCTION INC.**

MCKINLEY LEASE
NE/4, NE/4, SEC. 30, T18S, R38E

TOPOGRAPHIC MAP

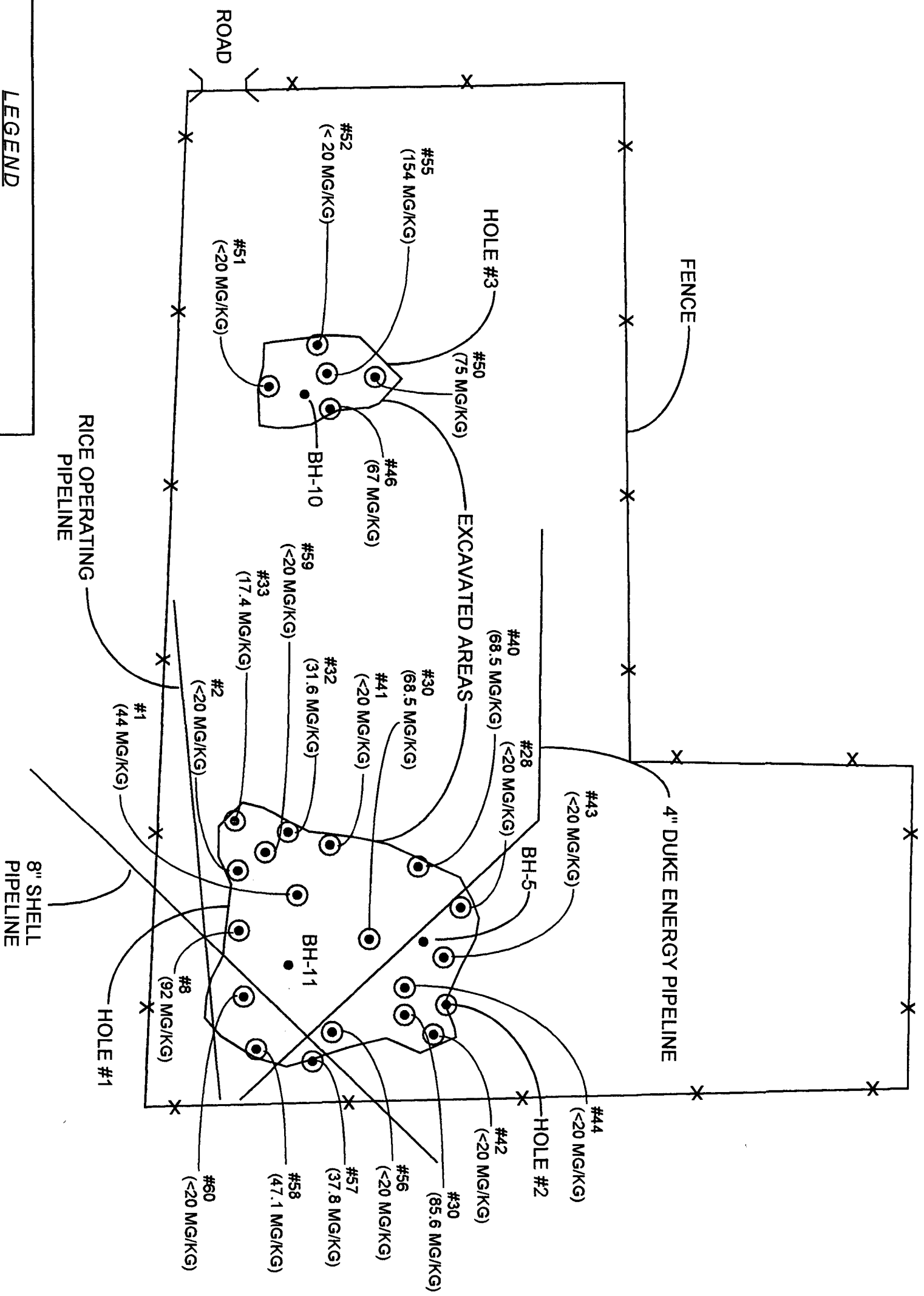
DATE: 4/22/01

NAME:

FILE:

2-001

**Larson &
Associates, Inc.**
Environmental Consultants



LEGEND

BH-11

- SOIL BORING LOCATION (APRIL 1999)

ま

● SOIL SAMPLE LOCATION and CONCENTRATION of
(220 MG/KG) TOTAL PETROLEUM HYDROCARBONS, MG/KG



FIGURE #2

LEA COUNTY, NEW MEXICO

**TEXACO EXPLORATION and
PRODUCTION INC.**

MCKINLEY LEASE

NE/4, NE/4, SEC. 30, T18S, R38E

EXCAVATION DRAWING and

CONCENTRATION of TPH in SOIL SAMPLES

Varson & Associates, Inc.
Environmental Consultants

DATE:	04/11/01
NAME:	
FILE:	

NAME:

FILE

APPENDIX A

Laboratory Reports

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

LARSON & ASSOCIATES
ATTN: MARK LARSON
507 NORTH MARIENFELD, STE. #202
MIDLAND, TEXAS 79701
FAX: 687-0456

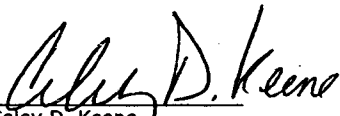
Sample Type: Soil
Sample Condition: Intact/ Iced/ 2.5 deg C
Project Name: Texaco-McKinley
Project #: 2-0100
Project Location: Lea County, NM

Sampling Date: 01/31/02
Receiving Date: 01/31/02
Analysis Date: 01/31/02

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0202519-01	Hole #1, Bottom	<10	44
0202519-02	Hole #1, West	<10	<10
0202519-03	Hole #1, East	334	1590
0202519-04	Hole #1, North	<10	30
0202519-05	Hole #1, South	192	958

QUALITY CONTROL	557	602
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	111	120
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	299
SPIKE	621	818
SPIKE DUP	680	830
% EXTRACTION ACCURACY	130	109
BLANK	<10	<10
RPD	9.07	1.46

Methods: SW 846-8015M

 02/01/02
Caley D. Keene Date
Randal K. Tuttle

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

705/b
Lover

Project Name:

Texas - Mc Kinley

Company Name

Larsen and Overseas, Inc.

Project #: 2-0100

2-0-100

Company Address:

Project Loc: Lea County, NH

City/State/Zip:

2000/01/01

第 2 章

Telephone No:

(915) 687-0901

Fax No:

Sampler Signature:

2

[illegible]

ENVIRONMENTAL LAB OF I, LTD.

"Don't Treat Your Soil Like Dirt!"

LARSON & ASSOCIATES, INC.
ATTN: MARK LARSON
507 N. MARIENFELD, STE. 202
MIDLAND, TEXAS 79701
FAX: 687-0456

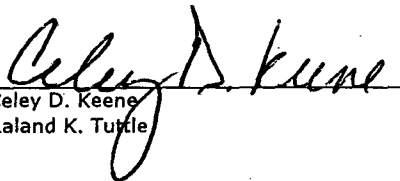
SampleType: Soil
Sample Condition: Intact/ Iced/ 0.0 deg C
Project Name: Texaco-Davis Property
Project #: 2-0100
Project Location: Lea County, NM

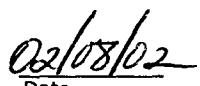
Sampling Date: 02/06/02
Receiving Date: 02/07/02
Analysis Date: 02/07/02

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0202546-01	Hole #2, East Side	<10	33
0202546-02	Hole #2, Bottom (East)	<50	245
0202546-03	Hole #2, South Side	<100	529
0202546-04	Hole #2, West Side	<100	12700
0202546-05	Hole #2, Bottom (West)	<100	3250
0202546-06	Hole #2, North Side	<10	25
0202546-07	Hole #2, NW Corner	<100	672
0202546-08	Hole #1, South Side	<10	186
0202546-09	Hole #1, East Side	124	905
0202546-10	Hole #3, North Side	916	4010
0202546-11	Hole #3, East Side	<10	67
0202546-12	Hole #3, South Side	70	524
0202546-13	Hole #3, West Side	435	1960
0202546-14	Hole #3, Bottom	1090	2710

QUALITY CONTROL	466	580
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	93	116
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	33
SPIKE	438	563
SPIKE DUP	479	556
% EXTRACTION ACCURACY	101	110
BLANK	<10	<10
RPD	8.94	1.25

METHODS: SW 846-8015M


Celey D. Keene
Raland K. Tuttle


Date

ENVIRONMENTAL LAB OF I, LTD.

"Don't Treat Your Soil Like Dirt!"

LARSON & ASSOCIATES, INC.
ATTN: MARK LARSON
507 N. MARIENFELD, STE. 202
MIDLAND, TEXAS 79701
FAX: 687-0456

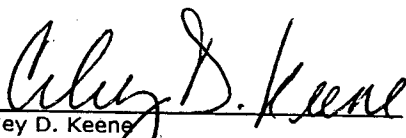
Sample Type: Soil
Sample Condition: Intact/ Iced/ 0.0 deg C
Project Name: Texaco-Davis Property
Project #: 2-0100
Project Location: Lea County, NM

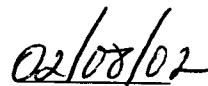
Sampling Date: 02/06/02
Receiving Date: 02/07/02
Analysis Date: 02/07/02

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0202546-10	Hole #3, North Side	<0.025	0.220	1.44	5.84	0.324

QUALITY CONTROL	0.113	0.111	0.109	0.225	0.106
TRUE VALUE	0.100	0.100		0.200	0.100
% IA	113	111	109	112	106
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	<0.025	<0.025	<0.025	<0.025
SPIKE	0.111	0.111	0.105	0.223	0.100
SPIKE DUP	0.108	0.108	0.103	0.219	0.099
%EA	108	108	103	110	99
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	2.74	2.74	1.92	1.81	1.00

METHODS: EPA SW 846-8021B, 5030


Celey D. Keene
Randal K. Tuttle


Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

1705-12
Lanson

Company Name Loren and Associates, Inc.

Company Address: 507 N. Marienfeld, Suite 202

City/State/Zip: Midland Tx 79701

Telephone No: (915) 687-0901

Fax No: (915) 687-05156

Sampler Signature:[illegible]

Special Instructions:

Relinquished by:

Date _____

Time

Received by:

Date _____

Time

Relinquished by:

Date _____

Time

Received by ELOI

131

2004年

Sample Containers Intact?	
Temperature Upon Receipt:	
Laboratory Comments:	

0-000000

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Mark Lowen

Project Name:

Texaco - Davis Property

Company Name

Larson and Associates, Inc.

Project #: 7-0100

2.0100

Company Address:

507 N. Mariemead Suite 202

Project Loc: Lea County, NM

Lea County

City/State/Zip:

10161 T^x pool 10161

PO#:

PO #:

Telephone No:

(915) 687-0991
Fax No: (915) 687-0456

Fax No:

Fax No: (915) 697-0456

Sampler Signature:

1

[illegible]

ENVIRONMENTAL LAB OF I, LTD.

"Don't Treat Your Soil Like Dirt!"

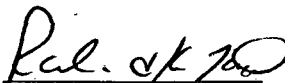
LARSON & ASSOCIATES, INC.
ATTN: MARK LARSON
507 N. MARIENFELD, #202
MIDLAND, TEXAS 79701
FAX: 687-0456

Sample Type: Soil
Sample Condition: Intact/ Iced/ -1.0 deg C
Project Name: Texaco-McKinley
Project #: 2-0100
Project Location: Lea County, NM

Sampling Date: 02/12/02
Receiving Date: 02/13/02
Analysis Date: 02/13/02

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0202589-01	Hole #3, North	<10	75
0202589-02	Hole #3, South	<10	<10
0202589-03	Hole #3, West	<10	<10
0202589-04	Hole #3, Bottom	<10	126
0202589-05	Hole #2, West	<10	974
0202589-06	Hole #2, Southwest (Bottom)	286	2380
0202589-07	Hole #2, Southwest	1830	5760
0202589-08	Hole #2, Northwest	<10	<10
0202589-09	Hole #2, East (Bottom)	<50	1090
0202589-10	Hole #1, South Side-West End	<10	92
QUALITY CONTROL		593	552
TRUE VALUE		500	500
% INSTRUMENT ACCURACY		119	110
SPIKED AMOUNT		476	476
ORIGINAL SAMPLE		<10	<10
SPIKE		518	555
SPIKE DUP		582	627
% EXTRACTION ACCURACY		109	116
BLANK		<10	<10
RPD		11.6	12.2

Methods: SW 846-8015M


Celey D. Keene
Ral K. Tuttle

2-14-02
Date

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Mark L Mason

Company Name

Larson and Associates, Inc.

Company Address:

507 H. Monticello #202

City/State/Zip:

Midland, Tx 79701

Telephone No:

(915) 687-0901
Fax No: (915) 687-0456

Sampler Signature:

1

[illegible]

ANALYTICAL REPORT

Prepared for:

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Project: Texaco-McKinley

Order#: G0202683

Report Date: 02/28/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0202683
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0202683-01	Hole #1, E. End, South	SOIL	02/26/2002 11:20	02/26/2002 16:20	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 1.5 C			
8015M TPH GRO/DRO						
0202683-02	Hole #1, E. End	SOIL	02/26/2002 11:27	02/26/2002 16:20	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 1.5 C			
8015M TPH GRO/DRO						
0202683-03	Hole #1, E. End, North	SOIL	02/26/2002 11:34	02/26/2002 16:20	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 1.5 C			
8015M TPH GRO/DRO						
0202683-04	Hole #1, E. End, Bottom	SOIL	02/26/2002 11:50	02/26/2002 16:20	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 1.5 C			
8015M TPH GRO/DRO						
0202683-05	Hole #2, E. Side, Bottom	SOIL	02/26/2002 12:00	02/26/2002 16:20	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 1.5 C			
8015M TPH GRO/DRO						
0202683-06	Hole #2, W. Side	SOIL	02/26/2002 12:08	02/26/2002 16:20	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 1.5 C			
8015M TPH GRO/DRO						
0202683-07	Hole #2, Southwest-West	SOIL	02/26/2002 12:12	02/26/2002 16:20	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 1.5 C			
8015M TPH GRO/DRO						
0202683-08	Hole #2, Southwest-End	SOIL	02/26/2002 12:19	02/26/2002 16:20	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 1.5 C			
8015M TPH GRO/DRO						

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0202683
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0202683-09	Hole #2, Southwest Bottom	SOIL	02/26/2002	02/26/2002	4 oz glass	Ice
			12:25	16:20		
	<u>Lab Testing:</u>	Rejected: No	Temp: 1.5 C			
	8015M TPH GRO/DRO					
0202683-10	Hole #2, Southwest, East	SOIL	02/26/2002	02/26/2002	4 oz glass	Ice
			12:30	16:20		
	<u>Lab Testing:</u>	Rejected: No	Temp: 1.5 C			
	8015M TPH GRO/DRO					
0202683-11	Hole #3, Bottom	SOIL	02/26/2002	02/26/2002	4 oz glass	Ice
			12:40	16:20		
	<u>Lab Testing:</u>	Rejected: No	Temp: 1.5 C			
	8015M TPH GRO/DRO					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202683
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

Lab ID: 0202683-01
Sample ID: Hole #1, E. End, South

8015M TPH GRO/DRO

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000717-01		2/27/02 17:27	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	2460	100
DRO, >C12-C28	6590	100

Lab ID: 0202683-02
Sample ID: Hole #1, E. End

8015M TPH GRO/DRO

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000717-01		2/27/02 17:39	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	<50	50
DRO, >C12-C28	279	50

Lab ID: 0202683-03
Sample ID: Hole #1, E. End, North

8015M TPH GRO/DRO

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000717-01		2/27/02 17:51	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	650	100
DRO, >C12-C28	2810	100

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202683
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

Lab ID: 0202683-04
Sample ID: Hole #1, E. End, Bottom

8015M TPH GRO/DRO

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000717-01		2/27/02 18:04	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	1410	100
DRO, >C12-C28	4930	100

Lab ID: 0202683-05
Sample ID: Hole #2, E. Side, Bottom

8015M TPH GRO/DRO

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000717-01		2/27/02 18:16	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	<10	10
DRO, >C12-C28	85.6	10

Lab ID: 0202683-06
Sample ID: Hole #2, W. Side

8015M TPH GRO/DRO

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000717-01		2/27/02 18:27	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	333	100
DRO, >C12-C28	5300	100

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202683
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

Lab ID: 0202683-07
Sample ID: Hole #2, Southwest-West

8015M TPH GRO/DRO

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		2/27/02	1	1	CK	8015
		18:39				

Parameter	Result mg/kg	RL
GRO, C6-C12	<10	10
DRO, >C12-C28	31.6	10

Lab ID: 0202683-08
Sample ID: Hole #2, Southwest-End

8015M TPH GRO/DRO

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000717-01		2/28/02	1	1	CK	8015
		19:30				

Parameter	Result mg/kg	RL
GRO, C6-C12	<10	10
DRO, >C12-C28	17.4	10

Lab ID: 0202683-09
Sample ID: Hole #2, Southwest Bottom

8015M TPH GRO/DRO

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000717-01		2/27/02	1	1	CK	8015
		19:23				

Parameter	Result mg/kg	RL
GRO, C6-C12	24.1	10
DRO, >C12-C28	133	10

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202683
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

Lab ID: 0202683-10
Sample ID: Hole #2, Southwest, East

8015M TPH GRO/DRO

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000717-01		2/27/02 19:34	1	1	CK	8015

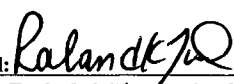
Parameter	Result mg/kg	RL
GRO, C6-C12	113	10
DRO, >C12-C28	501	10

Lab ID: 0202683-11
Sample ID: Hole #3, Bottom

8015M TPH GRO/DRO

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000717-01		2/27/02 19:46	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	<10	10
DRO, >C12-C28	184	10

Approval:  3-01-02
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Irene Perry, QA Assistant
Sandra Biezugbe, Lab Tech.
Curt Cowdrey, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M TPH GRO/DRO

Order#: G0202683

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/L	0000717-01			<10		
DRO, >C12-C28-mg/L	0000717-01			<10		
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0202676-01	0	480	540	113.4%	
DRO, >C12-C28-mg/kg	0202676-01	32	480	480	93.4%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0202676-01	0	480	600	125.0%	9.7%
DRO, >C12-C28-mg/kg	0202676-01	32	480	510	100.8%	7.1%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/L	0000717-04		500	520	104.4%	0.0%
DRO, >C12-C28-mg/L	0000717-04		500	490	98.4%	0.0%

**12600 West I-20 East
Odessa, Texas 79763**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: Ilexaco - Mc Kinley

Project #: 2-0100

Project Loc: Leica County, NM

PO #:

Page 1 of 2

Project Manager: Mark Larsen

Company Name Larson and Orestiofer, Inc.

Company Address: 507 N. Monienfeld St., Apt 202

City/State/Zip: Midland Texas 79701

Telephone No: (915) 687-0901

Fax No: (915) 687-0456

Sampler Signature: 

LAB # (lab use only)		FIELD CODE		Date Sampled	Time Sampled	No. of Containers	Preservative						Matrix				TDS / CL / SAR / EC	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	Analyze For:
							HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (specify):								
020200301	Hole #1, E. End, South	2/26/02	120	✓																				
02	Hole #1, E. End		127	✓																				
03	Hole #1, E. End, North		134	✓																				
04	Hole #1, E. End, Bottom		150	✓																				
05	Hole #2, E. Side, Bottom		1200	✓																				
06	Hole #2, W. Side		1208	✓																				
07	Hole #2, Southwest - West		1212	✓																				
08	Hole #2, Southwest - East		1219	✓																				
09	Hole #2, Southwest Bottom		1225	✓																				
10	Hole #2, Southwest, East		1230	✓																				

Special Instructions:	Received by:	Date	Time
Relinquished by: [Signature]	[Signature]	2/26/02	1620
Relinquished by:			

Sample Containers Intact?	Y	N
Temperature Upon Receipt:		
Laboratory Comments:	Rec 1.5°C	

**12600 West I-20 East
Odessa, Texas 79763**

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: Tekaso- Mc Kinley

Project #: 2-0100

Project Loc: Lea County, NM

PO #:

292

Project Manager: Mark Larsen

Company Name Lawson and Associates, Inc.

Company Address: 507 N. Maryland St., Apt 202

City/State/Zip: Mud Island, Tx 79701

Telephone No: (915) 687-0901
Fax No: (915) 687-0456

Fax No:

Sampler Signature:

[illegible]

ANALYTICAL REPORT

Prepared for:

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Project: Texaco-McKinley

Order#: G0202752

Report Date: 03/12/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0202752
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>	<u>Date / Time</u>	<u>Container</u>	<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>		
0202752-01	Hole #2, West	SOIL	03/06/2002 14:50	03/07/2002 8:20	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.5 C		
	8015M TPH GRO/DRO					
0202752-02	Hole #2, SW-Bottom	SOIL	03/06/2002 15:05	03/07/2002 8:20	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.5 C		
	8015M TPH GRO/DRO					
0202752-03	Hole #2, SW-East	SOIL	03/06/2002 15:10	03/07/2002 8:20	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.5 C		
	8015M TPH GRO/DRO					
0202752-04	Hole #2, West Side-North	SOIL	03/06/2002 15:45	03/07/2002 8:20	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.5 C		
	8015M TPH GRO/DRO					
0202752-05	Hole #1, E. End-North	SOIL	03/06/2002 15:15	03/07/2002 8:20	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.5 C		
	8015M TPH GRO/DRO					
0202752-06	Hole #1, E. End-Bottom	SOIL	03/06/2002 15:17	03/07/2002 8:20	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.5 C		
	8015M TPH GRO/DRO					
0202752-07	Hole #1, E. End	SOIL	03/06/2002 15:25	03/07/2002 8:20	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.5 C		
	8015M TPH GRO/DRO					
0202752-08	Hole #1, E. End-South	SOIL	03/06/2002 15:30	03/07/2002 8:20	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.5 C		
	8015M TPH GRO/DRO					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0202752
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0202752-09	Hole #1, E. End-Bench	SOIL	03/06/2002 15:34	03/07/2002 8:20	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 0.5 C			
8015M TPH GRO/DRO						
0202752-10	Hole #3-Bottom	SOIL	03/06/2002 15:40	03/07/2002 8:20	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 0.5 C			
8015M TPH GRO/DRO						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202752
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

Lab ID: 0202752-01
Sample ID: Hole #2, West

8015M TPH GRO/DRO

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000820-02		03/07/2002	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	962	10.0
DRO, >C12-C28	4770	10.0

Lab ID: 0202752-02
Sample ID: Hole #2, SW-Bottom

8015M TPH GRO/DRO

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000820-02		03/07/2002	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	28	10.0
DRO, >C12-C28	309	10.0

Lab ID: 0202752-03
Sample ID: Hole #2, SW-East

8015M TPH GRO/DRO

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000820-02		03/07/2002	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	1610	10.0
DRO, >C12-C28	3100	10.0

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202752
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

Lab ID: 0202752-04
Sample ID: Hole #2, West Side-North

8015M TPH GRO/DRO

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000820-02		03/07/2002	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	354	10.0
DRO, >C12-C28	3380	10.0

Lab ID: 0202752-05
Sample ID: Hole #1, E. End-North

8015M TPH GRO/DRO

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000820-02		03/07/2002	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	100	10.0
DRO, >C12-C28	684	10.0

Lab ID: 0202752-06
Sample ID: Hole #1, E. End-Bottom

8015M TPH GRO/DRO

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000820-02		03/07/2002	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	69	10.0
DRO, >C12-C28	549	10.0

N/A = Not Applicable RL = Reporting Limit

Page 2 of 4

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202752
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

Lab ID: 0202752-07
Sample ID: Hole #1, E. End

8015M TPH GRO/DRO

<u>Method</u> <u>Blank</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Sample</u> <u>Amount</u>	<u>Dilution</u> <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0000820-02		03/07/2002	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	111	10.0
DRO, >C12-C28	476	10.0

Lab ID: 0202752-08
Sample ID: Hole #1, E. End-South

8015M TPH GRO/DRO

<u>Method</u> <u>Blank</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Sample</u> <u>Amount</u>	<u>Dilution</u> <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0000820-02		03/07/2002	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	408	10.0
DRO, >C12-C28	1560	10.0

Lab ID: 0202752-09
Sample ID: Hole #1, E. End-Bench

8015M TPH GRO/DRO

<u>Method</u> <u>Blank</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Sample</u> <u>Amount</u>	<u>Dilution</u> <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0000820-02		03/07/2002	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C28	39	10.0

N/A = Not Applicable RL = Reporting Limit

Page 3 of 4

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202752
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

Lab ID: 0202752-10
Sample ID: Hole #3-Bottom

8015M TPH GRO/DRO

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0000820-02		03/07/2002	1	1	CK	8015

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C28	154	10.0

Approval:

Roland K. Tuttle 3-12-02

Raland K. Tuttle, Lab Director, QA Officer

Date

Celey D. Keene, Org. Tech. Director

Jeanne McMurrey, Inorg. Tech. Director

Irene Perry, QA Assistant

Sandra Biezugbe, Lab Tech.

Curt Cowdrey, Lab Tech.

Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M TPH GRO/DRO

Order#: G0202752

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0000820-02			<10.0		
DRO, >C12-C28-mg/kg	0000820-02			<10		
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0202753-01	0	476	583	122.5%	
DRO, >C12-C28-mg/kg	0202753-01	16	476	379	76.3%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0202753-01	0	476	608	127.7%	4.2%
DRO, >C12-C28-mg/kg	0202753-01	16	476	402	81.1%	5.9%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
GRO, C6-C12-mg/kg	0000820-05		500	520	104.4%	0.4%
DRO, >C12-C28-mg/kg	0000820-05		500	347	69.4%	0.4%

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Mark Larson

Company Name

Larson and Associates, Inc.

Company Address:

507 N. Marvenfield, Suite 202

City/State/Zip:

Mudland TX 79701

Telephone No:

(915) 687-0901

Fax No:

(915) 687-0456

Sampler Signature:

[Signature] 528-2178

Project Name:

Texas - McKinley

Project #:

2-0100

Project Loc:

Lea County, NM

PO #:

Page 1 of 1

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative										Matrix										Analyze For:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
					HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	Standard TAT				RUSH TAT (Pre-Schedule)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
0202152-01	Hole #2, West	3/6/02	1450	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</

Special Instructions:

X Repeat 1st

Relinquished by:

[Signature]

Date

Time

Received by:

Date

Time

Relinquished by:

Received by ELO:

Date

Time

3-7-2 0820

Sample Containers Intact?
Temperature Upon Receipt
Laboratory Comments:

05°C

RUSH #04 as per Mark 13
Call w/verbal

ANALYTICAL REPORT

Prepared for:

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Project: Texaco-Davis

Order#: G0202800

Report Date: 03/13/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0202800
Project: 2-0100
Project Name: Texaco-Davis
Location: Lea County, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0202800-01	Hole #2, West	SOIL	03/11/2002 13:05	03/12/2002 8:00	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: -1.0 C			
8015M TPH GRO/DRO						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202800
Project: 2-0100
Project Name: Texaco-Davis
Location: Lea County, NM

Lab ID: 0202800-01
Sample ID: Hole #2, West

8015M TPH GRO/DRO

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		03/12/2002	1	1	CK	8015
		14:02				

Parameter	Result mg/kg	RL
GRO, C6-C12	<10	10.0
DRO, >C12-C28	68.5	10.0
Total C6-C28	68.5	10.0

Approval:

Roland K. Tuttle
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Irene Perry, QA Assistant
Sandra Biezugbe, Lab Tech.
Curt Cowdrey, Lab Tech.
Sara Molina, Lab Tech.

3-13-02

Date

N/A = Not Applicable RL = Reporting Limit

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M TPH GRO/DRO

Order#: G0202800

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total C6-C28-mg/kg	0000832-02			<10		
MS	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total C6-C28-mg/kg	0202801-01	44.2	952	906	90.5%	
MSD	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total C6-C28-mg/kg	0202801-01	44.2	952	890	88.8%	1.8%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total C6-C28-mg/kg	0000832-05		1000	881	88.1%	0.0%

**12600 West I-20 East
Odessa, Texas 79763**

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Larsen, Mark

Lesage-Davis

Larsen and Orocortes, Inc.

203

507 N. Mainfield, Ste. 202

Lea County, NM

Midland Tx 79701

Page 1 of 1

Fax No: (915) 687-0456

1

[illegible]

ANALYTICAL REPORT

Prepared for:

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Project: Texaco-McKinley
Order#: G0202899
Report Date: 03/26/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0202899
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0202899-01	Hole #2, SW-West	SOIL	03/21/2002 14:00	03/22/2002 16:43	8 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	4.0 C		
8015M						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202899
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

Lab ID: 0202899-01
Sample ID: Hole #2, SW-West

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		03/25/2002 21:40	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	<10	10.0
GRO, C6-C12	<10	10.0
TOTAL, C6-C35	<10	10.0

Approval:

Cele D. Keene 3/28/02
Raland K. Tuttle, Lab Director, QA Officer
Cele D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Irene Perry, QA Assistant
Sandra Biezugbe, Lab Tech.
Curt Cowdrey, Lab Tech.
Sara Molina, Lab Tech.

Date

N/A = Not Applicable RL = Reporting Limit

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0202899

BLANK	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0000970-02			<10		
CONTROL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0000970-03		952	813	85.4%	
CONTROL DUP	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0000970-04		952	880	92.4%	7.9%
SRM	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0000970-05		1000	1053	105.3%	0.0%

ANALYTICAL REPORT

Prepared for:

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Project: Texaco-McKinley

Order#: G0202961

Report Date: 04/04/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0202961
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0202961-01	Hole #2-East Side	SOIL	03/28/2002 15:20	03/29/2002 13:20	8 oz glass	Ice
	<u>Lab Testing:</u> 8015M	Rejected: No		Temp: 4.0 C		
0202961-02	Hole #2-NE Bottom	SOIL	03/28/2002 15:25	03/29/2002 13:20	8 oz glass	Ice
	<u>Lab Testing:</u> 8015M	Rejected: No		Temp: 4.0 C		
0202961-03	Hole #2-NE Side	SOIL	03/28/2002 15:35	03/29/2002 13:20	8 oz glass	Ice
	<u>Lab Testing:</u> 8015M	Rejected: No		Temp: 4.0 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202961
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

Lab ID: 0202961-01
Sample ID: Hole #2-East Side

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		04/03/2002	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	<10.0	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Lab ID: 0202961-02
Sample ID: Hole #2-NE Bottom

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		04/03/2002	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	<10.0	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

N/A = Not Applicable RL = Reporting Limit

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MARK LARSON
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0202961
Project: 2-0100
Project Name: Texaco-McKinley
Location: Lea County, NM

Lab ID: 0202961-03
Sample ID: Hole #2-NE Side

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		04/03/2002	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	<10.0	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

N/A = Not Applicable RL = Reporting Limit

Page 2 of 2

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0202961

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001055-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001055-03		952	849	89.2%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001055-04		952	1090	114.5%	24.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001055-05		1000	1020	102.2%	

ANALYTICAL REPORT

Prepared for:

Cindy Crain
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Project: McKinley Lease
Order#: G0203284
Report Date: 05/07/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0203284
Project: 2-0100
Project Name: McKinley Lease
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0203284-01	Hole #1 (NE)	SOIL	5/6/02 9:15	5/6/02 14:00	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M	Rejected: No		Temp: 2.0 C		
0203284-02	Hole #1 (E)	SOIL	5/6/02 9:21	5/6/02 14:00	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M	Rejected: No		Temp: 2.0 C		
0203284-03	Hole #1 (S)	SOIL	5/6/02 9:28	5/6/02 14:00	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M	Rejected: No		Temp: 2.0 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Cindy Crain
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0203284
Project: 2-0100
Project Name: McKinley Lease
Location: Hobbs, NM

Lab ID: 0203284-01
Sample ID: Hole #1 (NE)

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		5/6/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	<10.0	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Lab ID: 0203284-02
Sample ID: Hole #1 (E)

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		5/6/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	37.8	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	37.8	10.0

N/A = Not Applicable RL = Reporting Limit

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Cindy Crain
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0203284
Project: 2-0100
Project Name: McKinley Lease
Location: Hobbs, NM

Lab ID: 0203284-03
Sample ID: Hole #1 (S)

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		5/6/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	47.1	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	47.1	10.0

Approval: Raland K. Tuttle 5-8-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0203284

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001595-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001595-03		952	1230	129.2%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001595-04		952	1230	129.2%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001595-05		1000	1070	107.0%	

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Project Name:

McKinley Lease

Company Name

Larson and Associates, Inc.

Project #: 2-0100

Company Address:

507 N. Marienfeld, Suite 202

Project Loc: Hobbs, NM

City/State/Zip: Midland, TX 79701

送

Telephone No:

Fax No: (915) 687-0456

Fax No: (915) 687-0456

Sampler Signature:

Andy Crain

[illegible]

ANALYTICAL REPORT

Prepared for:

Cindy Crain
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Project: McKinley Lease
Order#: G0203339
Report Date: 05/14/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0203339
Project: 2-0100
Project Name: McKinley Lease
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0203339-01	Hole #1 SW Bottom	SOIL	5/10/02 13:35	5/13/02 8:25	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 4.0 C			
8015M						
0203339-02	Hole #1SE Bottom	SOIL	5/10/02 13:50	5/13/02 8:25	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 4.0 C			
8015M						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Cindy Crain
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0203339
Project: 2-0100
Project Name: McKinley Lease
Location: Hobbs, NM

Lab ID: 0203339-01
Sample ID: Hole #1 SW Bottom

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		5/13/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	<10.0	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Lab ID: 0203339-02
Sample ID: Hole #1SE Bottom

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		5/13/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
DRO, >C12-C35	<10.0	10.0
GRO, C6-C12	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Approval: *Raland K. Tuttle* 5-13-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

N/A = Not Applicable RL = Reporting Limit

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0203339

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001688-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0203339-02	0	952	912	95.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0203339-02	0	952	793	83.3%	14.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001688-05		1000	808	80.8%	

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**12600 West I-20 East
Odessa, Texas 79763**

Project Name: McKinley Lease

Project #: 2-0100

Project Loc: Hobbs NM

PO #:

Fax No: (915) 687-0456

Sampler Signature: Curly Chase

[illegible]

Special Instructions:

Sample Containers Intact?
Temperature Upon Receipt:
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	5/13/02	8:25			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
<i>[Signature]</i>			<i>[Signature]</i>	5-13-2	0825

APPENDIX B

Photographs

TEXACO EXPLORATION AND PRODUCTION INC.
M^cKINLEY LEASE PRODUCTION FACILITY (CLOSED)
HOBBS, NEW MEXICO



1. Hole #1 (Background) and Hole #2 (Foreground)



2. Hole #1 (Left) and Hole #2 (Right)

TEXACO EXPLORATION AND PRODUCTION INC.
M^c KINLEY LEASE PRODUCTION FACILITY (CLOSED)
HOBBS, NEW MEXICO



3. Hole #1 (Left) and Hole #2 (Right)



4. Hole #1 (Looking Northeast)

TEXACO EXPLORATION AND PRODUCTION INC.
M^cKINLEY LEASE PRODUCTION FACILITY (CLOSED)
HOBBS, NEW MEXICO



5. Hole #1 (Looking South)



6. Hole #1 (Looking Southeast)

TEXACO EXPLORATION AND PRODUCTION INC.
M^cKINLEY LEASE PRODUCTION FACILITY (CLOSED)
HOBBS, NEW MEXICO



7. Hole #1 (Looking Southeast)



8. Hole #2 (Southeast Corner)

TEXACO EXPLORATION AND PRODUCTION INC.
M^cKINLEY LEASE PRODUCTION FACILITY (CLOSED)
HOBBS, NEW MEXICO



9. Hole #1 (Looking North)



10. Hole #1 (Pipeline Clamp)

TEXACO EXPLORATION AND PRODUCTION INC.
M^cKINLEY LEASE PRODUCTION FACILITY (CLOSED)
HOBBS, NEW MEXICO



11. Hole #1 and Hole #2 (Combined)



12. Hole #1 and Hole #2 (Looking North)

TEXACO EXPLORATION AND PRODUCTION INC.
M^c KINLEY LEASE PRODUCTION FACILITY (CLOSED)
HOBBS, NEW MEXICO



13. Hole #1 and Hole #2 (Looking Northeast)



14. Hole #1 and Hole #2 (Looking East)

**TEXACO EXPLORATION AND PRODUCTION INC.
M^cKINLEY LEASE PRODUCTION FACILITY (CLOSED)
HOBBS, NEW MEXICO**



15. Hole #1 and Hole #2 (Looking Southeast)



16. Hole #1 and Hole #2 - Looking East (After Removal of Piping)

TEXACO EXPLORATION AND PRODUCTION INC.
M^cKINLEY LEASE PRODUCTION FACILITY (CLOSED)
HOBBS, NEW MEXICO



17. Hole #3 (Looking Southwest)



18. Hole #3 (Looking Southwest)

TEXACO EXPLORATION AND PRODUCTION INC.
M^cKINLEY LEASE PRODUCTION FACILITY (CLOSED)
HOBBS, NEW MEXICO



19. Hole #3 (Looking South)



20. Hole #3 (Looking Southeast)

TEXACO EXPLORATION AND PRODUCTION INC.
M^cKINLEY LEASE PRODUCTION FACILITY (CLOSED)
HOBBS, NEW MEXICO



21. Hole #3 (Bottom)