NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

Janurary 6, 2006

Marvin Burrows/JHHC
John H. Hendrix Corp., (JHHC)
110 N. Marienfeld St., Ste. 400
Midland, TX 79701

Re: Thomas Long A #3 Well - Investigation Work Plan Approval
Site Location: UL-L, Sec 11-T22S-R37E
Dated: December 6, 2005

Dear Mr. Burrows,

New Mexico Oil Conservation Division (OCD) received an investigation work plan prepared by Larson & Associates for JHHC and referenced above. The plan is **hereby approved** with the following additional requirements:

1. JHHC shall dispose of contaminated material according to OCD protocol.
2. JHHC shall propose a soil remediation level demonstrating that remaining chloride contamination will not cause an exceedance of the New Mexico Water Quality Control Commission (WQCC) groundwater standard of 250 mg/L [Chloride].

Please be advised that OCD approval of this plan does not relieve JHHC of liability should their operations fail to adequately investigate and remediate contaminants that threaten ground water, surface water, human health or the environment. In addition, OCD approval does not relieve JHHC of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions or need assistance please write or call: (505) 393-6161, ext. 113, or e-mail: psheeeley@state.nm.us

Sincerely,

Paul Sheeley-Environmental Engineer
Cc: Roger Anderson - Environmental Bureau Chief
Chris Williams - District I Supervisor
Larry Johnson - Environmental Engineer
Mark Larson - Larson & Associates

Larson & Associates, Inc.
Environmental Consultants

30-025-34035

December 6, 2005

VIA EMAIL: paul.sheeley@state.nm.us
VIA CERTIFIED MAIL

Mr. Paul Sheeley
Environmental Engineer
State of New Mexico
Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

Re: Revised Flow Line Leak Investigation Report and Remediation Plan, John H. Hendrix Corporation, Thomas Long A #3 Well, Unit Letter L (NW/4, SW/4), Section 11, Township 22 South, Range 37 East, Lea County, New Mexico

Dear Mr. Sheeley:

This letter is submitted to the State of New Mexico Oil Conservation Division ("OCD") on behalf of John H. Hendrix Corporation ("JHHC") by Larson and Associates, Inc. ("LA"), its agent, and presents the results of an investigation of a crude oil leak from a flow line in unit letter L ("NW/4, SW/4"), Section 11, Township 22 South, Range 37 East in Lea County, New Mexico. The leak was discovered on September 19, 2005, and immediately reported to OCD. Form C-141 was also submitted to OCD on September 19, 2005. The leak occurred from a flow line approximately 800 feet northeast of the Thomas Long A #3 well, involved an unknown volume of crude oil and no product was recovered. LA submitted an investigation work plan to OCD on October 3, 2005, which included a copy of Form C-141. The latitude and longitude for the leak is North 32° 24' 12.2" and West 103° 08' 26.5". Figure 1 presents a location and topographic map.

Current Investigation

On October 5, 2005, LA personnel collected soil samples from five (5) locations (SP-1 through SP-5) using a Terraprobe® direct-push system. The Terraprobe® hydraulically pushes or percussion hammers a stainless steel core barrel into the subsurface and collects a soil core sample about four (4) feet long. Two (2) composite samples were generally collected from each core sample (i.e., 0 to 1', 1 to 3', 4 to 5', 5 to 6' etc.), depending on sample recovery. Duplicate samples were collected for laboratory and headspace analysis. The laboratory samples were placed in 4-ounce glass sample jars filled to near zero headspace, labeled, chilled in an ice chest, and delivered under chain of custody control to Environmental Lab of Texas, Inc. ("ELTI"), located in Odessa, Texas. The headspace samples were collected in 8-ounce jars that were partially filled to leave an open headspace near the top of the container before sealing the container opening with a layer of aluminum foil and securely tightening the lid. The concentration of organic vapors in the headspace samples was measured using a calibrated photoionization detector ("PID") after the samples had warmed to near ambient temperature (approximately 30 minutes), at which time the PID probe was inserted into the container headspace, through the aluminum foil and the concentration of organic vapors was measured in parts per million ("ppm"). The maximum depth of Terraprobe® penetration was approximately five (5) feet below ground surface ("bgs") at locations SP-1 and SP-2. The borings were plugged

with bentonite and samples were visually examined using the Unified Soil Classification System ("USCS"). Figure 2 presents a Site drawing. Appendix A presents the boring logs.

The laboratory analyzed samples for benzene, toluene, ethyl benzene and xylene ("BTEX") using method SW-846-8021B, total petroleum hydrocarbons ("TPH") using method SW-846 8015 for gasoline range organics ("GRO") and diesel range organics ("DRO"), and chloride by method SW-846-300. Table 1 presents a summary of the PID and laboratory analysis. Appendix B presents the laboratory report. Appendix C presents photographs.

Setting

The leak occurred approximately 3 miles southeast of Eunice, New Mexico, at an elevation of approximately 3360 feet above mean sea level ("AMSL"). Monument Draw is located approximately 2 miles east of the leak and is an intermittent stream that flows southeast. The area is covered with wind blown sand that overlies the Ogallala formation (Tertiary). The Ogallala formation consists of unconsolidated to well-cemented sand and sandstone that is interstratified with clay, silt and gravel. The Ogallala formation overlies the Chinle formation (Triassic), which is known as "red bed". The red bed consists of mudstone, siltstone and sandstone.

The Office of the New Mexico State Engineer ("OSE") in Roswell, New Mexico, indicates that groundwater occurs at approximately 40 feet bgs. No wells were identified within 1,000 feet of the location. Recommended remediation action levels ("RRAL") were calculated using the following criteria published by OCD ("Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993"):

Ranking Criteria	Result	Ranking Score
Depth-to-Groundwater	<50 feet	20
Wellhead Protection Area	No	0
Distance to Surface Water Body	>1000 Horizontal Feet	0
	Total Score:	**20**

The following RRAL are assigned to the leak based on the total ranking score (20):

Benzene	**10 mg/kg**
Total BTEX	**50 mg/kg**
TPH	**100 mg/kg**

Conclusions

Benzene exceeded the RRAL in samples SP-2, 1 to 2 feet (10.4 mg/Kg) and SP- 3, 2 to 3 feet (20.8 mg/Kg). Total BTEX (sum of benzene, toluene, ethyl benzene and xylene) exceeded the RRAL in samples SP-2, 1 to 2 feet (155.8 mg/Kg), SP-2, 4 to 5 feet (160.96 mg/Kg), SP-3, 0 to 1 feet (211.06 mg/Kg), SP-3, 1 to 2 feet (112.02 mg/Kg), SP-3, 2 to 3 feet (345.7 mg/Kg) and Sp-5, 0 to 1 feet (92.367 mg/Kg). TPH exceeded the RRAL in all samples and ranged from 366.9 mg/Kg (SP-1, 4 to 5 feet) to 26,860 mg/Kg (SP-5, 0 to 1 feet). There is no RRAL for chloride, but soil will be excavated to reduce chloride below 1,000 mg/Kg. Additional investigation will

be performed during remediation to delineate chloride to 250 mg/Kg or background, whichever is greater.

Remediation Plan

Soil will be removed from the area of the leak until BTEX and TPH are below the RRAL and chloride below 1,000 mg/Kg. Additional investigation will be performed to delineate the lateral and vertical extent of chloride to near 250 mg/Kg or background, whichever is greater. Soil samples will be collected from the bottom and sides of the excavation and analyzed by a qualified laboratory for BTEX, TPH and chloride. The excavated soil will be hauled to the JHHC permitted landfarm (NM-02-0021) located northwest of Jal, New Mexico. Clean soil will be placed in the excavation and seeded to range grasses. A final report will be submitted to OCD within 45 days following receipt of the laboratory report. Your approval of the remediation plan is requested. If you have questions, please call Mr. Marvin Burrows with JHHC at (505) 394-2649, myself at (432) 687-0901 or email mburrows@valornet.com or Mark@LAEnvironmental.com.

Sincerely,
Larson and Associates, Inc.

Cassie Hobbs for

Mark J. Larson, P.G., C.P.G., C.G.W.P.
Senior Project Manager/President

Encl

cc: Marvin Burrows/JHHC
Ron Westbrook/JHHC
Chris Williams/OCD – Hobbs
Ed Martin/OCD – Santa Fe

TABLES

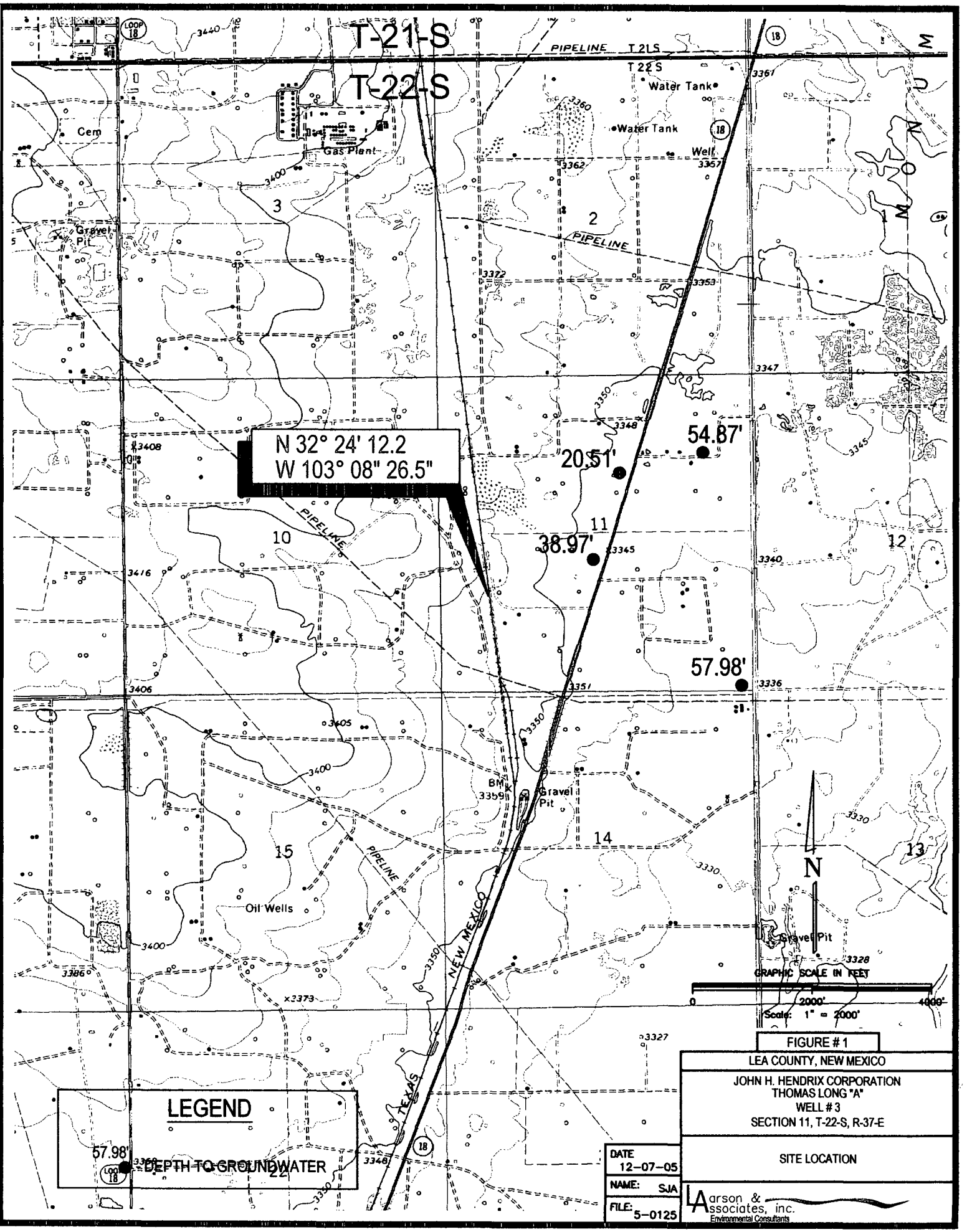
Table 1: Summary of Field and Laboratory Analysis of Soil Samples
John H. Hendrix Corporation, Thomas Long A, Well #3 Flowline Leak
Unit Letter L (NW/4,SW/4), Section 11, Township 22 South, Range 37 East
Lea County, New Mexico

Boring Number	Sample Date	Sample Depth (Feet BGS)	PID (ppm)	Benzene (mg/kg)	BTEX (mg/kg)	GRO C6 C12 (mg/kg)	DRO >C12-C35 (mg/kg)	TPH C6-C35 (mg/kg)	Chloride (mg/kg)
RRAL				10	50			100	
SP-1	10/5/2005	0 - 1	1,106	0.0408	16.73	2,490	6,620	9,110	2,530
	10/5/2005	1 - 2	1,270	0.882	42.74	1,590	3,880	5,470	1,670
	10/5/2005	2 - 3.5	1,386	0.455	27.245	1,420	3,180	4,600	899
	10/5/2005	4 - 5	670	<0.025	1.0421	76.9	290	366.9	1,480
SP-2	10/5/2005	0 - 1	1,282	0.381	16.421	2,310	6,780	9,090	2,760
	10/5/2005	1 - 2	1,194	10.4	155.8	3,210	6,290	9,500	2,730
	10/5/2005	2 - 3.2	1,241	0.0143	0.6069	236	569	805	221
	10/5/2005	4 - 5	1,289	4.06	160.96	5,810	12,700	18,510	4,670
SP-3	10/5/2005	0 - 1	1,231	7.96	211.06	5,200	11,300	16,500	4,190
	10/5/2005	1 - 2	1,107	5.52	122.02	2,250	4,870	7,120	4,340
	10/5/2005	2 - 3	1,341	20.8	345.70	7,890	17,000	24,890	4,350
SP-4	10/5/2005	0 - 1	999	0.268	21.288	4,660	16,300	20,960	3,520
SP-5	10/5/2005	0 - 1	929	0.967	92.367	6,360	20,500	26,860	3,270

Notes: Analysis performed by Environmental Lab of Texas, I. Ltd., Odessa, Texas

1. BGS: Sample depth in feet below ground surface
2. TPH: Total petroleum hydrocarbons (Sum of DRO + GRO)
3. mg/kg: Milligrams per kilogram
4. <: Below method detection limit
5. PID: Photoionization detector
6. ppm: Parts per million
7. ---: No data available
8. BTEX: Sum of benzene, tolulene, ethylbenzene and xylene
9. GRO: Gasoline - range organics
10. DRO: Diesel - range organics

FIGURES


T-21-S
T-22-S
PIPELINE T 21S
T 22 S
Water Tank
Water Tank
Well
Cem
Gas Plant
Gravel Pit
PIPELINE
PIPELINE
PIPELINE
N 32° 24' 12.2
W 103° 08" 26.5"
54.87'
20.51'
38.97'
57.98'
BM 3359
Gravel Pit
Oil Wells
NEW MEXICO
TEXAS
Gravel Pit
GRAPHIC SCALE IN FEET
0
2000'
4000'
Scale: 1" = 2000'
N
LEGEND
57.98'
DEPTH TO GROUNDWATER
FIGURE # 1
LEA COUNTY, NEW MEXICO
JOHN H. HENDRIX CORPORATION
THOMAS LONG "A"
WELL # 3
SECTION 11, T-22-S, R-37-E
SITE LOCATION
DATE 12-07-05
NAME: SJA
FILE: 5-0125
Larson & Associates, inc.
Environmental Consultants

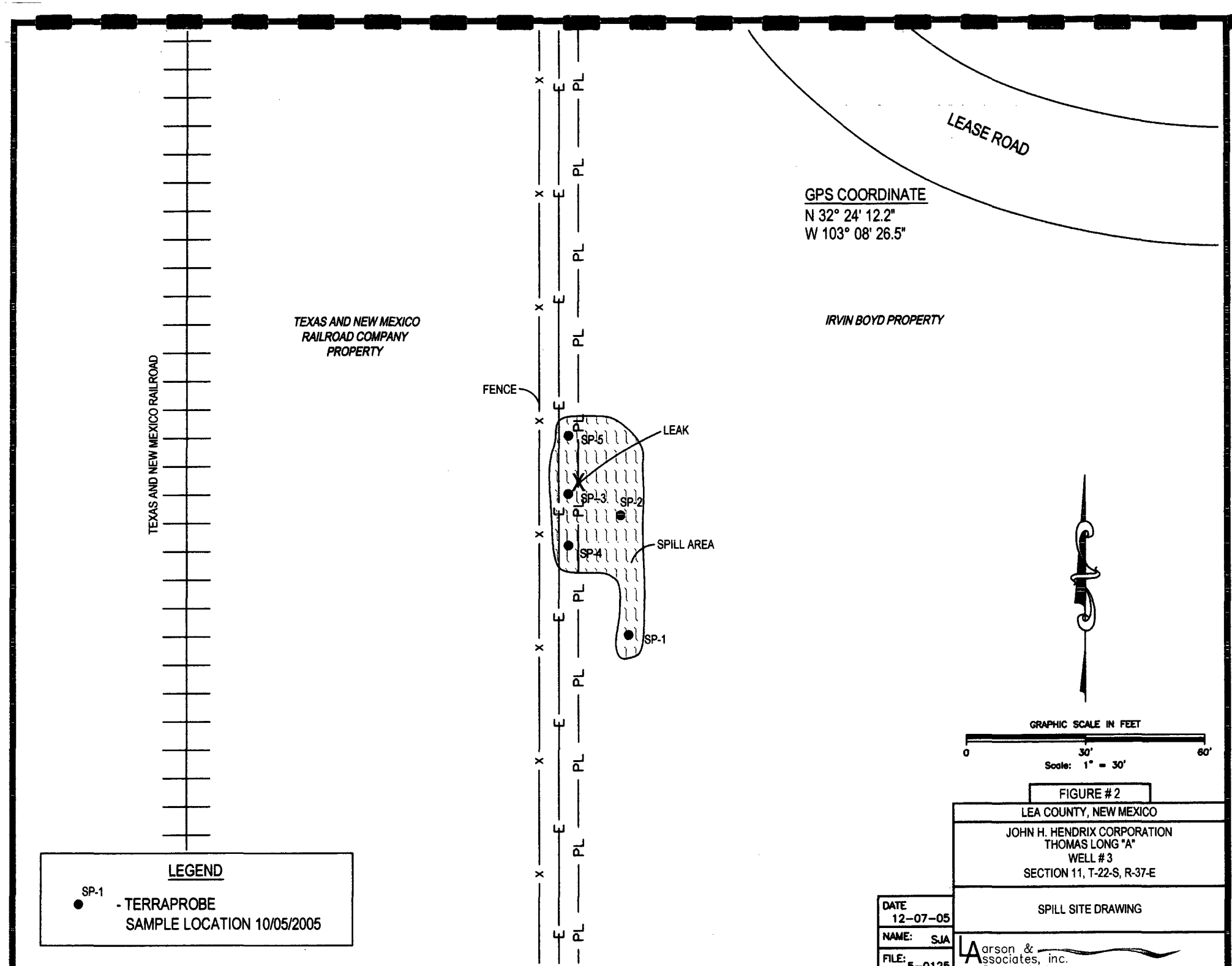


FIGURE # 2

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION
THOMAS LONG "A"
WELL # 3
SECTION 11, T-22-S, R-37-E

SPILL SITE DRAWING

DATE 12-07-05
NAME: SJA
FILE: 5-0125

Larson & Associates, inc.
Environmental Consultants

APPENDIX A

Boring Logs

Client: John H. Hendrix Corporation

Project: Thomas Long A #3

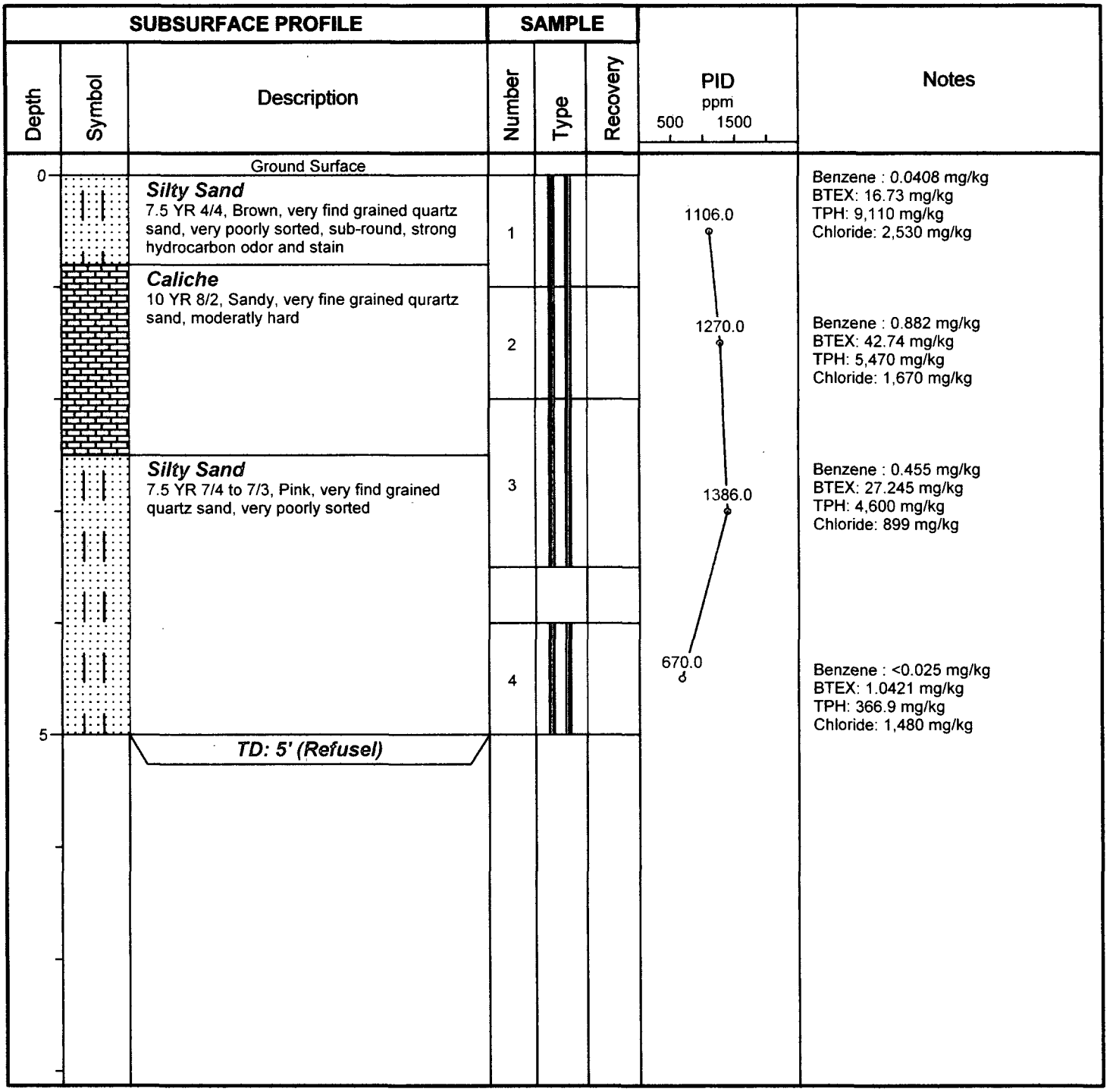
Project No: 5-0125

Location: Lea County, New Mexico

Log: SP - 1

Page: 1 of 1

Geologist: MJL



Drill Method: Direct Push

Drill Date: 10/05/05

Hole Size: 2"

Larson and Associates, Inc
507 N. Marienfeld, Suite 202
Midland, Texas 79701
(432) 687-0901

Elevation: N/A

Checked by: MJL

Drilled by: LA

Client: John H. Hendrix Corporation

Project: Thomas Long A #3

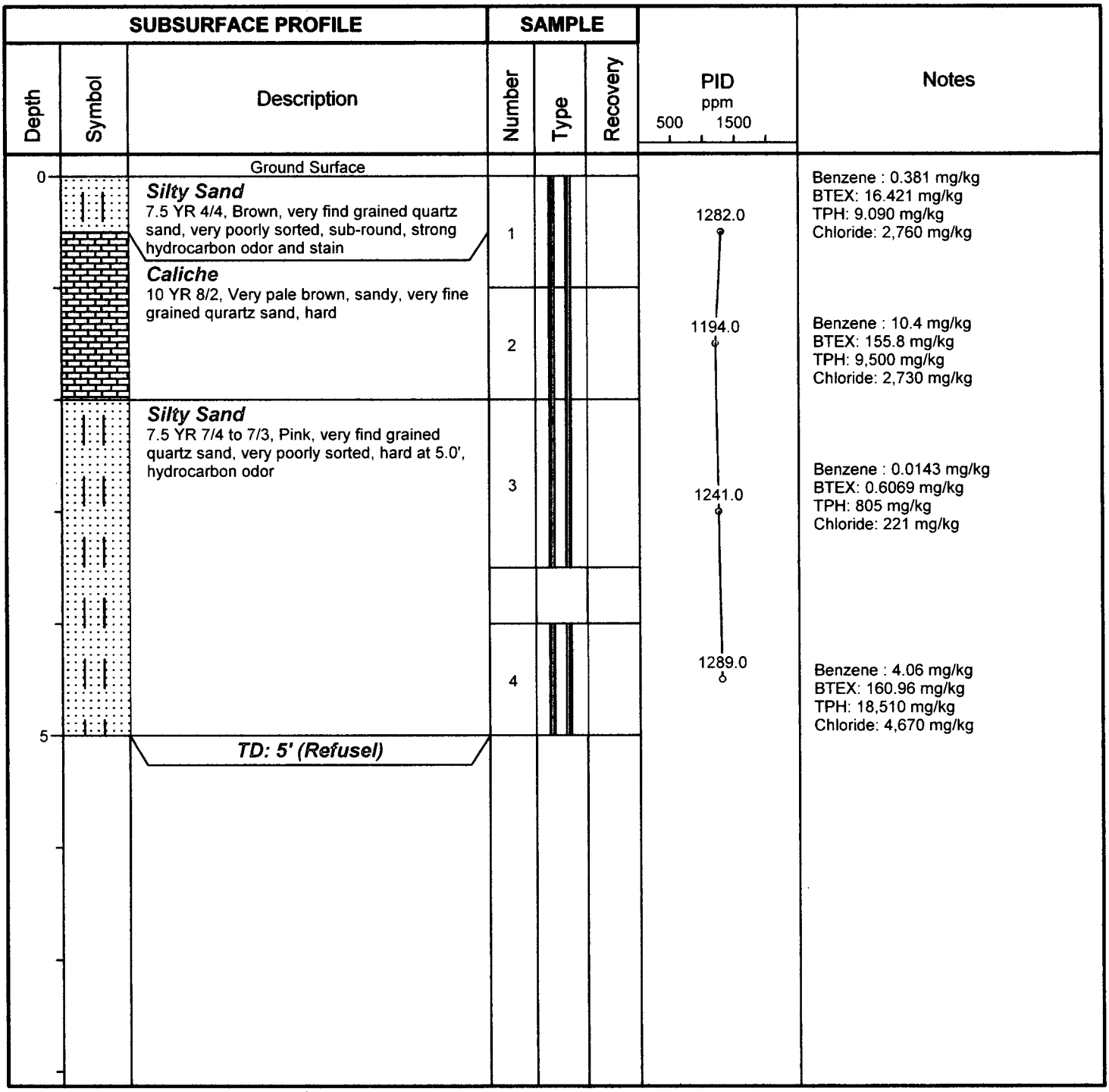
Project No: 5-0125

Location: Lea County, New Mexico

Log: SP - 2

Page: 1 of 1

Geologist: MJL



Drill Method: Direct Push

Drill Date: 10/05/05

Hole Size: 2"

Larson and Associates, Inc
507 N. Marienfeld, Suite 202
Midland, Texas 79701
(432) 687-0901

Elevation: N/A

Checked by: MJL

Drilled by: LA

Client: John H. Hendrix Corporation

Project: Thomas Long A #3

Project No: 5-0125

Location: Lea County, New Mexico

Log: SP - 3

Page: 1 of 1

Geologist: MJL

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (500 – 1500)	Notes
0		Ground Surface					
		Silty Sand 7.5 YR 4/4, Brown, very find grained quartz sand, very poorly sorted, sub-round, strong hydrocarbon odor and stain	1			1231.0	Benzene : 7.96 mg/kg BTEX: 211.06 mg/kg TPH: 16,500 mg/kg Chloride: 4,190 mg/kg
		Caliche 10 YR 8/2, Very pale brown, sandy, very fine grained qurartz sand, hard					
		Silty Sand 7.5 YR 7/4, Pink, very find grained quartz sand, poorly sorted, hard below 5.0'	2			1107.0	Benzene : 5.52 mg/kg BTEX: 112.02 mg/kg TPH: 2,250 mg/kg Chloride: 4,190 mg/kg
			3			1341.0	Benzene : 20.8 mg/kg BTEX: 345.7 mg/kg TPH: 24,890 mg/kg Chloride: 4,350 mg/kg
		TD: 3' (Refusel)					
5							

Drill Method: Direct Push

Drill Date: 10/05/05

Hole Size: 2"

Larson and Associates, Inc
507 N. Marienfeld, Suite 202
Midland, Texas 79701
(432) 687-0901

Elevation: N/A

Checked by: MJL

Drilled by: LA

Client: John H. Hendrix Corporation

Project: Thomas Long A #3

Project No: 5-0125

Location: Lea County, New Mexico

Log: SP - 4

Page: 1 of 1

Geologist: MJL

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (500 1500)	Notes
0		Ground Surface					
		Silty Sand 7.5 YR 4/4, Brown, very find grained quartz sand, very poorly sorted, sub-round, strong hydrocarbon odor and stain	1			999.0 ppm	Benzene : 0.268 mg/kg BTEX: 21.288 mg/kg TPH: 20,960 mg/kg Chloride: 3,520 mg/kg
		Caliche 10 YR 8/2, Very pale brown, sandy, very fine grained qurartz sand, hard					
		TD: 1' (Refusel)					
5							

Drill Method: Direct Push

Drill Date: 10/05/05

Hole Size: 2"

Larson and Associates, Inc
507 N. Marienfeld, Suite 202
Midland, Texas 79701
(432) 687-0901

Elevation: N/A

Checked by: MJL

Drilled by: LA

Client: John H. Hendrix Corporation

Project: Thomas Long A #3

Project No: 5-0125

Location: Lea County, New Mexico

Log: SP - 5

Page: 1 of 1

Geologist: MJL

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (500 1500)	Notes
0		Ground Surface					
		Silty Sand 7.5 YR 4/4, Brown, very find grained quartz sand, very poorly sorted, sub-round, strong hydrocarbon odor and stain	1			929.0 °	Benzene : 0.967 mg/kg BTEX: 92.367 mg/kg TPH: 26,860 mg/kg Chloride: 3,270 mg/kg
		Caliche 10 YR 8/2, Very pale brown, sandy, very fine grained qurartz sand, hard					
		TD: 1' (Refusel)					
5							

Drill Method: Direct Push

Drill Date: 10/05/05

Hole Size: 2"

Larson and Associates, Inc
507 N. Marienfeld, Suite 202
Midland, Texas 79701
(432) 687-0901

Elevation: N/A

Checked by: MJL

Drilled by: LA

APPENDIX B

Laboratory Reports

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: John Hendrix/ Thomas Long A #3

Project Number: 5-0125

Location: None Given

Lab Order Number: 5J06003

Report Date: 10/13/05

Larson & Associates, Inc.	Project: John Hendrix/ Thomas Long A #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 5-0125	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	10/13/05 14:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1, 0-1'	5J06003-01	Soil	10/05/05 11:22	10/06/05 08:00
SP-1, 1-2'	5J06003-02	Soil	10/05/05 11:22	10/06/05 08:00
SP-1, 2-3.5'	5J06003-03	Soil	10/05/05 11:22	10/06/05 08:00
SP-1, 4-5'	5J06003-04	Soil	10/05/05 11:45	10/06/05 08:00
SP-2, 0-1'	5J06003-05	Soil	10/05/05 12:00	10/06/05 08:00
SP-2, 1-2'	5J06003-06	Soil	10/05/05 12:00	10/06/05 08:00
SP-2, 2-3.2'	5J06003-07	Soil	10/05/05 12:00	10/06/05 08:00
SP-2, 4-5'	5J06003-08	Soil	10/05/05 12:15	10/06/05 08:00
SP-3, 0-1'	5J06003-09	Soil	10/05/05 12:40	10/06/05 08:00
SP-3, 1-2'	5J06003-10	Soil	10/05/05 12:40	10/06/05 08:00
SP-3, 2-3'	5J06003-11	Soil	10/05/05 12:40	10/06/05 08:00
SP-4, 0-1'	5J06003-12	Soil	10/05/05 13:00	10/06/05 08:00
SP-5, 0-1'	5J06003-13	Soil	10/05/05 13:18	10/06/05 08:00

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.	Project: John Hendrix/ Thomas Long A #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 5-0125	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	10/13/05 14:25

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1, 0-1' (5J06003-01) Soil									
Benzene	**0.0408**	0.0250	mg/kg dry	25	EJ50614	10/06/05	10/07/05	EPA 8021B	
Toluene	**1.28**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**5.00**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**6.31**	0.0250	"	"	"	"	"	"	
Xylene (o)	**4.10**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**2490**	50.0	mg/kg dry	5	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**6620**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**9110**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*26.0 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*18.2 %*	*70-130*		"	"	"	"	*S-06*
SP-1, 1-2' (5J06003-02) Soil									
Benzene	**0.882**	0.100	mg/kg dry	100	EJ50614	10/06/05	10/12/05	EPA 8021B	
Toluene	**8.48**	0.100	"	"	"	"	"	"	
Ethylbenzene	**10.2**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**14.2**	0.100	"	"	"	"	"	"	
Xylene (o)	**8.98**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*112 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**1590**	50.0	mg/kg dry	5	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**3880**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**5470**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*17.1 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*17.1 %*	*70-130*		"	"	"	"	*S-06*
SP-1, 2-3.5' (5J06003-03) Soil									
Benzene	**0.455**	0.100	mg/kg dry	100	EJ50614	10/06/05	10/12/05	EPA 8021B	
Toluene	**5.29**	0.100	"	"	"	"	"	"	
Ethylbenzene	**6.88**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**9.49**	0.100	"	"	"	"	"	"	
Xylene (o)	**5.13**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**1420**	50.0	mg/kg dry	5	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**3180**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**4600**	50.0	"	"	"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.	Project: John Hendrix/ Thomas Long A #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 5-0125	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	10/13/05 14:25

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1, 2-3.5' (5J06003-03) Soil									
Surrogate: 1-Chlorooctane		*17.3 %*	*70-130*		*EJ50602*	*10/06/05*	*10/11/05*	*EPA 8015M*	*S-06*
Surrogate: 1-Chlorooctadecane		*18.1 %*	*70-130*		"	"	"	"	*S-06*
SP-1, 4-5' (5J06003-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ50614	10/06/05	10/07/05	EPA 8021B	
Toluene	**0.0951**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.261**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.466**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.220**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*112 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*115 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**76.9**	10.0	mg/kg dry	1	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**290**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**367**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*90.6 %*	*70-130*		"	"	"	"	
SP-2, 0-1' (5J06003-05) Soil									
Benzene	**0.381**	0.0250	mg/kg dry	25	EJ51009	10/10/05	10/10/05	EPA 8021B	
Toluene	**1.45**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**4.36**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**6.44**	0.0250	"	"	"	"	"	"	
Xylene (o)	**3.79**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*129 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**2310**	50.0	mg/kg dry	5	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**6780**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**9090**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*21.6 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*16.5 %*	*70-130*		"	"	"	"	*S-06*

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.	Project: John Hendrix/ Thomas Long A #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 5-0125	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	10/13/05 14:25

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-2, 1-2' (5J06003-06) Soil									
Benzene	**10.4**	0.200	mg/kg dry	200	EJ51009	10/10/05	10/12/05	EPA 8021B	
Toluene	**38.4**	0.200	"	"	"	"	"	"	
Ethylbenzene	**36.1**	0.200	"	"	"	"	"	"	
Xylene (p/m)	**49.2**	0.200	"	"	"	"	"	"	
Xylene (o)	**21.7**	0.200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*115 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**3210**	50.0	mg/kg dry	5	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**6290**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**9500**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*26.0 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*16.9 %*	*70-130*		"	"	"	"	*S-06*
SP-2, 2-3.2' (5J06003-07) Soil									
Benzene	**J [0.0143]**	0.0250	mg/kg dry	25	EJ51009	10/10/05	10/10/05	EPA 8021B	J
Toluene	**0.138**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.118**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.241**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0956**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**236**	10.0	mg/kg dry	1	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**569**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**805**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*106 %*	*70-130*		"	"	"	"	
SP-2, 4-5' (5J06003-08) Soil									
Benzene	**4.06**	0.200	mg/kg dry	200	EJ51009	10/10/05	10/12/05	EPA 8021B	
Toluene	**31.7**	0.200	"	"	"	"	"	"	
Ethylbenzene	**42.1**	0.200	"	"	"	"	"	"	
Xylene (p/m)	**56.7**	0.200	"	"	"	"	"	"	
Xylene (o)	**26.4**	0.200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*113 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**5810**	50.0	mg/kg dry	5	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**12700**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**18500**	50.0	"	"	"	"	"	"	

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Larson & Associates, Inc.	Project: John Hendrix/ Thomas Long A #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 5-0125	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	10/13/05 14:25

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-2, 4-5' (5J06003-08) Soil									
Surrogate: 1-Chlorooctane		*40.2 %*	*70-130*		*EJ50602*	*10/06/05*	*10/11/05*	*EPA 8015M*	*S-06*
Surrogate: 1-Chlorooctadecane		*21.8 %*	*70-130*		"	"	"	"	*S-06*
SP-3, 0-1' (5J06003-09) Soil									
Benzene	**7.96**	0.500	mg/kg dry	500	EJ51009	10/10/05	10/12/05	EPA 8021B	
Toluene	**48.5**	0.500	"	"	"	"	"	"	
Ethylbenzene	**48.7**	0.500	"	"	"	"	"	"	
Xylene (p/m)	**69.8**	0.500	"	"	"	"	"	"	
Xylene (o)	**36.1**	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*110 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**5200**	50.0	mg/kg dry	5	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**11300**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**16500**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*36.4 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*19.1 %*	*70-130*		"	"	"	"	*S-06*
SP-3, 1-2' (5J06003-10) Soil									
Benzene	**5.52**	0.200	mg/kg dry	200	EJ51009	10/10/05	10/12/05	EPA 8021B	
Toluene	**27.1**	0.200	"	"	"	"	"	"	
Ethylbenzene	**26.8**	0.200	"	"	"	"	"	"	
Xylene (p/m)	**37.6**	0.200	"	"	"	"	"	"	
Xylene (o)	**15.0**	0.200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*136 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*122 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**2250**	50.0	mg/kg dry	5	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**4870**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**7120**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*21.4 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*17.0 %*	*70-130*		"	"	"	"	*S-06*

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Larson & Associates, Inc.	Project: John Hendrix/ Thomas Long A #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 5-0125	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	10/13/05 14:25

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-3, 2-3' (5J06003-11) Soil									
Benzene	**20.8**	0.500	mg/kg dry	500	EJ51009	10/10/05	10/12/05	EPA 8021B	
Toluene	**82.3**	0.500	"	"	"	"	"	"	
Ethylbenzene	**80.9**	0.500	"	"	"	"	"	"	
Xylene (p/m)	**113**	0.500	"	"	"	"	"	"	
Xylene (o)	**48.7**	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*136 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*122 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**7890**	50.0	mg/kg dry	5	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**17000**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**24900**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*45.2 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*18.0 %*	*70-130*		"	"	"	"	*S-06*
SP-4, 0-1' (5J06003-12) Soil									
Benzene	**0.268**	0.0250	mg/kg dry	25	EJ51009	10/10/05	10/10/05	EPA 8021B	
Toluene	**1.63**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**3.54**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**10.6**	0.0250	"	"	"	"	"	"	
Xylene (o)	**5.25**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**4660**	50.0	mg/kg dry	5	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**16300**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**21000**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*33.6 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*18.4 %*	*70-130*		"	"	"	"	*S-06*
SP-5, 0-1' (5J06003-13) Soil									
Benzene	**0.967**	0.200	mg/kg dry	200	EJ51009	10/10/05	10/12/05	EPA 8021B	
Toluene	**13.5**	0.200	"	"	"	"	"	"	
Ethylbenzene	**20.3**	0.200	"	"	"	"	"	"	
Xylene (p/m)	**37.7**	0.200	"	"	"	"	"	"	
Xylene (o)	**19.9**	0.200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*119 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**6360**	50.0	mg/kg dry	5	EJ50602	10/06/05	10/11/05	EPA 8015M	
Diesel Range Organics >C12-C35	**20500**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**26900**	50.0	"	"	"	"	"	"	

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Larson & Associates, Inc.	Project: John Hendrix/ Thomas Long A #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 5-0125	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	10/13/05 14:25

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-5, 0-1' (5J06003-13) Soil									
Surrogate: 1-Chlorooctane		*40.8 %*		*70-130*	*EJ50602*	*10/06/05*	*10/11/05*	*EPA 8015M*	*S-06*
Surrogate: 1-Chlorooctadecane		*17.9 %*		*70-130*	*"*	*"*	*"*	*"*	*S-06*

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.	Project: John Hendrix/ Thomas Long A #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 5-0125	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	10/13/05 14:25

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1, 0-1' (5J06003-01) Soil									
Chloride	**2530**	25.0	mg/kg	50	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**9.9**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	
SP-1, 1-2' (5J06003-02) Soil									
Chloride	**1670**	25.0	mg/kg	50	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**10.2**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	
SP-1, 2-3.5' (5J06003-03) Soil									
Chloride	**899**	12.5	mg/kg	25	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**11.1**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	
SP-1, 4-5' (5J06003-04) Soil									
Chloride	**1480**	25.0	mg/kg	50	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**9.4**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	
SP-2, 0-1' (5J06003-05) Soil									
Chloride	**2760**	50.0	mg/kg	100	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**10.2**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	
SP-2, 1-2' (5J06003-06) Soil									
Chloride	**2730**	50.0	mg/kg	100	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**13.7**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	
SP-2, 2-3.2' (5J06003-07) Soil									
Chloride	**221**	5.00	mg/kg	10	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**10.4**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	
SP-2, 4-5' (5J06003-08) Soil									
Chloride	**4670**	50.0	mg/kg	100	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**7.7**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.	Project: John Hendrix/ Thomas Long A #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 5-0125	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	10/13/05 14:25

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-3, 0-1' (5J06003-09) Soil									
Chloride	**4190**	50.0	mg/kg	100	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**12.2**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	
SP-3, 1-2' (5J06003-10) Soil									
Chloride	**4340**	50.0	mg/kg	100	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**13.2**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	
SP-3, 2-3' (5J06003-11) Soil									
Chloride	**4350**	50.0	mg/kg	100	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**13.3**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	
SP-4, 0-1' (5J06003-12) Soil									
Chloride	**3520**	50.0	mg/kg	100	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**12.5**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	
SP-5, 0-1' (5J06003-13) Soil									
Chloride	**3270**	50.0	mg/kg	100	EJ50703	10/07/05	10/07/05	EPA 300.0	
% Moisture	**11.1**	0.1	%	1	EJ50701	10/06/05	10/07/05	% calculation	

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Larson & Associates, Inc.	Project: John Hendrix/ Thomas Long A #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 5-0125	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	10/13/05 14:25

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ50602 - Solvent Extraction (GC)										
Blank (EJ50602-BLK1)				Prepared: 10/06/05 Analyzed: 10/11/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*41.8*		*mg/kg*	*50.0*		*83.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.3*		*"*	*50.0*		*76.6*	*70-130*			
LCS (EJ50602-BS1)				Prepared: 10/06/05 Analyzed: 10/11/05						
Gasoline Range Organics C6-C12	408	10.0	mg/kg wet	500		81.6	75-125			
Diesel Range Organics >C12-C35	426	10.0	"	500		85.2	75-125			
Total Hydrocarbon C6-C35	834	10.0	"	1000		83.4	75-125			
Surrogate: 1-Chlorooctane	*55.2*		*mg/kg*	*50.0*		*110*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.4*		*"*	*50.0*		*90.8*	*70-130*			
Calibration Check (EJ50602-CCV1)				Prepared: 10/06/05 Analyzed: 10/11/05						
Gasoline Range Organics C6-C12	568		mg/kg	500		114	80-120			
Diesel Range Organics >C12-C35	589		"	500		118	80-120			
Total Hydrocarbon C6-C35	1160		"	1000		116	80-120			
Surrogate: 1-Chlorooctane	*49.2*		*"*	*50.0*		*98.4*	*0-200*			
Surrogate: 1-Chlorooctadecane	*44.0*		*"*	*50.0*		*88.0*	*0-200*			
Matrix Spike (EJ50602-MS1)	**Source: 5J05014-07**			Prepared: 10/06/05 Analyzed: 10/11/05						
Gasoline Range Organics C6-C12	465	10.0	mg/kg dry	539	ND	86.3	75-125			
Diesel Range Organics >C12-C35	526	10.0	"	539	50.3	88.3	75-125			
Total Hydrocarbon C6-C35	991	10.0	"	1080	50.3	87.1	75-125			
Surrogate: 1-Chlorooctane	*59.4*		*mg/kg*	*50.0*		*119*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.0*		*"*	*50.0*		*74.0*	*70-130*			
Matrix Spike Dup (EJ50602-MSD1)	**Source: 5J05014-07**			Prepared: 10/06/05 Analyzed: 10/11/05						
Gasoline Range Organics C6-C12	449	10.0	mg/kg dry	539	ND	83.3	75-125	3.50	20	
Diesel Range Organics >C12-C35	519	10.0	"	539	50.3	87.0	75-125	1.34	20	
Total Hydrocarbon C6-C35	968	10.0	"	1080	50.3	85.0	75-125	2.35	20	
Surrogate: 1-Chlorooctane	*44.2*		*mg/kg*	*50.0*		*88.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.7*		*"*	*50.0*		*73.4*	*70-130*			

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ50614 - EPA 5030C (GC)										
Blank (EJ50614-BLK1)				Prepared: 10/06/05 Analyzed: 10/07/05						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*45.8*		*ug/kg*	*40.0*		*114*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.7*		*"*	*40.0*		*109*	*80-120*			
LCS (EJ50614-BS1)				Prepared & Analyzed: 10/06/05						
Benzene	0.0534	0.00100	mg/kg wet	0.0500		107	80-120			
Toluene	0.0555	0.00100	"	0.0500		111	80-120			
Ethylbenzene	0.0578	0.00100	"	0.0500		116	80-120			
Xylene (p/m)	0.109	0.00100	"	0.100		109	80-120			
Xylene (o)	0.0594	0.00100	"	0.0500		119	80-120			
Surrogate: a,a,a-Trifluorotoluene	*44.9*		*ug/kg*	*40.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.5*		*"*	*40.0*		*109*	*80-120*			
Calibration Check (EJ50614-CCV1)				Prepared: 10/06/05 Analyzed: 10/07/05						
Benzene	44.1		ug/kg	50.0		88.2	80-120			
Toluene	43.5		"	50.0		87.0	80-120			
Ethylbenzene	46.1		"	50.0		92.2	80-120			
Xylene (p/m)	85.6		"	100		85.6	80-120			
Xylene (o)	48.8		"	50.0		97.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*33.1*		*"*	*40.0*		*82.8*	*0-200*			
Surrogate: 4-Bromofluorobenzene	*32.5*		*"*	*40.0*		*81.2*	*0-200*			
Matrix Spike (EJ50614-MS1)	**Source: 5J05011-01**			Prepared: 10/06/05 Analyzed: 10/07/05						
Benzene	1.23	0.0250	mg/kg dry	1.27	ND	96.9	80-120			
Toluene	1.27	0.0250	"	1.27	ND	100	80-120			
Ethylbenzene	1.34	0.0250	"	1.27	ND	106	80-120			
Xylene (p/m)	2.45	0.0250	"	2.54	ND	96.5	80-120			
Xylene (o)	1.32	0.0250	"	1.27	ND	104	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.9*		*ug/kg*	*40.0*		*92.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.6*		*"*	*40.0*		*86.5*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ50614 - EPA 5030C (GC)										
Matrix Spike Dup (EJ50614-MSD1)	**Source: 5J05011-01**			Prepared: 10/06/05 Analyzed: 10/12/05						
Benzene	1.26	0.0250	mg/kg dry	1.27	ND	99.2	80-120	2.35	20	
Toluene	1.32	0.0250	"	1.27	ND	104	80-120	3.92	20	
Ethylbenzene	1.48	0.0250	"	1.27	ND	117	80-120	9.87	20	
Xylene (p/m)	2.78	0.0250	"	2.54	ND	109	80-120	12.2	20	
Xylene (o)	1.45	0.0250	"	1.27	ND	114	80-120	9.17	20	
Surrogate: a,a,a-Trifluorotoluene	*40.6*		*ug/kg*	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.7*		*"*	*40.0*		*91.8*	*80-120*			
Batch EJ51009 - EPA 5030C (GC)										
Blank (EJ51009-BLK1)				Prepared & Analyzed: 10/10/05						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*36.0*		*ug/kg*	*40.0*		*90.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.6*		*"*	*40.0*		*84.0*	*80-120*			
LCS (EJ51009-BS1)				Prepared & Analyzed: 10/10/05						
Benzene	0.0504	0.00100	mg/kg wet	0.0500		101	80-120			
Toluene	0.0505	0.00100	"	0.0500		101	80-120			
Ethylbenzene	0.0565	0.00100	"	0.0500		113	80-120			
Xylene (p/m)	0.105	0.00100	"	0.100		105	80-120			
Xylene (o)	0.0595	0.00100	"	0.0500		119	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.0*		*ug/kg*	*40.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.3*		*"*	*40.0*		*103*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ51009 - EPA 5030C (GC)										
Calibration Check (EJ51009-CCV1)				Prepared & Analyzed: 10/10/05						
Benzene	54.8		ug/kg	50.0		110	80-120			
Toluene	55.7		"	50.0		111	80-120			
Ethylbenzene	58.8		"	50.0		118	80-120			
Xylene (p/m)	114		"	100		114	80-120			
Xylene (o)	59.1		"	50.0		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	*43.6*		"	*40.0*		*109*	*0-200*			
Surrogate: 4-Bromofluorobenzene	*46.0*		"	*40.0*		*115*	*0-200*			
Matrix Spike (EJ51009-MS1)		**Source: 5J07002-03**		Prepared: 10/10/05 Analyzed: 10/12/05						
Benzene	0.0537	0.00100	mg/kg dry	0.0515	ND	104	80-120			
Toluene	0.0579	0.00100	"	0.0515	ND	112	80-120			
Ethylbenzene	0.0618	0.00100	"	0.0515	ND	120	80-120			
Xylene (p/m)	0.119	0.00100	"	0.103	ND	116	80-120			
Xylene (o)	0.0604	0.00100	"	0.0515	ND	117	80-120			
Surrogate: a,a,a-Trifluorotoluene	*45.1*		*ug/kg*	*40.0*		*113*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.8*		"	*40.0*		*107*	*80-120*			
Matrix Spike Dup (EJ51009-MSD1)		**Source: 5J07002-03**		Prepared: 10/10/05 Analyzed: 10/12/05						
Benzene	0.0459	0.00100	mg/kg dry	0.0515	ND	89.1	80-120	15.4	20	
Toluene	0.0482	0.00100	"	0.0515	ND	93.6	80-120	17.9	20	
Ethylbenzene	0.0537	0.00100	"	0.0515	ND	104	80-120	14.3	20	
Xylene (p/m)	0.106	0.00100	"	0.103	ND	103	80-120	11.9	20	
Xylene (o)	0.0553	0.00100	"	0.0515	ND	107	80-120	8.93	20	
Surrogate: a,a,a-Trifluorotoluene	*34.6*		*ug/kg*	*40.0*		*86.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.3*		"	*40.0*		*85.8*	*80-120*			

Larson & Associates, Inc.	Project: John Hendrix/ Thomas Long A #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 5-0125	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	10/13/05 14:25

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ50701 - General Preparation (Prep)										
Blank (EJ50701-BLK1)				Prepared: 10/06/05 Analyzed: 10/07/05						
% Solids	100		%							
Duplicate (EJ50701-DUP1)		**Source: 5J06001-01**		Prepared: 10/06/05 Analyzed: 10/07/05						
% Solids	97.0		%		96.8			0.206	20	
Batch EJ50703 - Water Extraction										
Blank (EJ50703-BLK1)				Prepared & Analyzed: 10/07/05						
Chloride	ND	0.500	mg/kg							
LCS (EJ50703-BS1)				Prepared & Analyzed: 10/07/05						
Chloride	8.13		mg/L	10.0		81.3	80-120			
Calibration Check (EJ50703-CCV1)				Prepared & Analyzed: 10/07/05						
Chloride	8.18		mg/L	10.0		81.8	80-120			
Duplicate (EJ50703-DUP1)		**Source: 5J06003-01**		Prepared & Analyzed: 10/07/05						
Chloride	2540	25.0	mg/kg		2530			0.394	20	

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Larson & Associates, Inc.	Project: John Hendrix/ Thomas Long A #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 5-0125	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	10/13/05 14:25

Notes and Definitions

S-06

S-04

J

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not ReportedDetected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Celey D. Keene Date: 10/13/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc. Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: JHHC
SITE MANAGER: M. Larson
PROJECT NO.: 5-0125
PROJECT NAME: Thermo Lang A'3
PAGE 1 OF
LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH (E.A.O/DRO)	Metal 8015	BTEX (8021B)	Chlorides	Hold	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
10/5/05	1122		X		SP-1 0-1'	1	✓		✓	✓		5J06008-01	
	1122				SP-1 1-2'	1	✓		✓	✓		-02	
	1122				SP-1 2-3.5'	1	✓		✓	✓		-03	
	1145				SP-1 4-5'	1	✓		✓	✓		-04	
	1200				SP-2 0-1'	1	✓		✓	✓		-05	
	12 oo				SP-2 1-2'	1	✓		✓	✓		-06	
	1200				SP-2 2-3.2'	1	✓		✓	✓		-07	
	1215				SP-2 4-5'	1	✓		✓	✓		-08	
	1240				SP-3 0-1'	1	✓		✓	✓		-09	
	1240				SP-3 1-2'	1	✓		✓	✓		-10	
	1240				SP-3 2-3'	1	✓		✓	✓		-11	
	1300				SP-4 0-1'	1	✓		✓	✓		-12	
↓	1318		↓		SP-5 0-1'	1	✓		✓	✓		-13	

SAMPLED BY: (Signature) DATE: 10/5/05 TIME: 1318
RELINQUISHED BY: (Signature) DATE: 10/6 TIME: 0800
RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: 10/6/05 TIME: 1350
RECEIVED BY: (Signature) DATE: TIME:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY: Environmental Lab of TX
ADDRESS: 12600 W I-20 East
CITY: Odessa STATE: TX ZIP:
CONTACT: Ms Loann Tuttle PHONE: (432) 563-1800
RECEIVED BY: (Signature)
DATE: 10-06-05 TIME: 0800

SAMPLE CONDITION WHEN RECEIVED:
2.5°C 4oz glass on ice no seals ~~by~~ ID on lids ~~hand delivered~~ JMM 1065

LA CONTACT PERSON: Mark Larson

SAMPLE TYPE: Soil

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Larson

Date/Time: 10/16/05 8:00

Order #: 5J06003

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	2.5 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	~~Not present~~
Custody Seals intact on sample bottles?	Yes	No	~~Not present~~
Chain of custody present?	~~Yes~~	No	
Sample Instructions complete on Chain of Custody?	~~Yes~~	No	
Chain of Custody signed when relinquished and received?	~~Yes~~	No	
Chain of custody agrees with sample label(s)	Yes	No	ID on lids
Container labels legible and intact?	Yes	No	n/a
Sample Matrix and properties same as on chain of custody?	~~Yes~~	No	
Samples in proper container/bottle?	~~Yes~~	No	
Samples properly preserved?	~~Yes~~	No	
Sample bottles intact?	~~Yes~~	No	
Preservations documented on Chain of Custody?	~~Yes~~	No	
Containers documented on Chain of Custody?	~~Yes~~	No	
Sufficient sample amount for indicated test?	~~Yes~~	No	
All samples received within sufficient hold time?	~~Yes~~	No	
VOC samples have zero headspace?	~~Yes~~	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

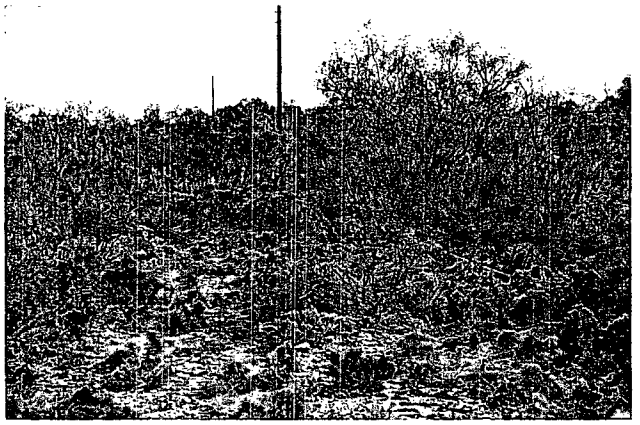
Regarding:

Corrective Action Taken:

APPENDIX C

Photographs

SECTION 11, T-22-S, R-37-E, LEA COUNTY, NEW MEXICO
THOMAS LONG "A" WELL # 3



1. Flowline leak, looking south

2. Flowline leak, looking north