Larson & Associates, Inc.
Environmental Consultants

9-30-05 Called BTA Roger Bruce advised plan is unacceptable as vertical delineation must be to clean + 4' for a risk based closure of 1' clay cap.

September 23, 2005

Larry Johnson
New Mexico Oil Conservation Division – District I
Energy, Minerals and Natural Resources Department
1625 N. French Drive
Hobbs, New Mexico 88240

Re: Spill Remediation Workplan, BTA Oil Producers, French #3 SWD, Unit Letter H (SE/4, NE/4), Section 24, Township 18 South, Range 32 East, Lea County, New Mexico (Latitude: 32.73537 / Longitude: 103.71243) API # 30025 31206 0000

Dear Mr. Johnson:

BTA Oil Producers (BTA) has retained Larson and Associates, Inc. (LA) to remediate impacted soil from a salt water spill that occurred on July 12, 2005, from a salt water tank located in the southeast quarter (SE/4) of the northeast quarter (NE/4), Section 24, Township 18 South, Range 32 East, Lea County, New Mexico (Site). The spill occurred when the valve for the load line off the tank was opened by livestock. Approximately 200 to 300 barrels (bbl) of produced water was released, and approximately 140 bbl of free liquid was picked up with a vacuum truck. The spill area covered approximately 140 x 200 feet, and BTA submitted a Release Notification and Corrective Action form (Form C-141) to the New Mexico Oil Conservation Division (NMOCD) on July 20, 2005, along with a work plan to conduct an investigation of the impacted soil at the Site. Figure 1 shows the location of the Site. 28,000' = 420 BBLS max

On July 26, 2005, BTA received a letter from the NMOCD, approving their work plan for investigation. Larson and Associates, Inc. (LA) is pleased to submit this work plan for remediation at the French #3 SWD site.

Initial Investigation

On September 6 and 7, 2005, LA installed nine (9) soil borings (BH-1 through BH-9) at the site using direct-push technology (Terraprobe®) to assess the horizontal and vertical limits of the spill for defining the area of remediation. One (1) background soil boring (BH-10) was installed 100 feet north of the tank battery.

Samples from the exploratory borings were collected from ground surface to a depth of approximately twelve (12) feet below ground surface (bgs), where refusal was encountered, using a stainless steel core barrel and dedicated sample liners. Boring BH-4 encountered refusal at a depth of approximately eight (8) feet bgs. The sampling equipment was thoroughly cleaned between soil boring locations with a solution of laboratory-grade detergent and potable water, and rinsed with distilled water. All soil borings were plugged with bentonite. Figure 2 shows the locations of the soil borings. Appendix A presents the boring logs.

The soil samples were collected in four-foot increments (i.e., 0-4', 4-8', etc.) and two (2) foot composite samples (i.e., 0-1', 2-4', 6-8', 10-12') were placed in clean glass sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to Environmental Lab of

RP# 801

507 North Marienfeld, Suite 202 ◆ Midland, Texas 79701 ◆ Ph. (432) 687-0901 ◆ Fax (432) 687-0456

Texas (ELOT), located in Odessa, Texas. A duplicate of each composite sample was also placed in a clean glass sample jar for headspace analysis. The headspace jars were filled approximately ¾ full, and a layer of aluminum foil was placed over the opening of the jar before replacing the cap. The headspace samples were allowed to reach ambient temperature before a RAE Instruments, Model 2000 photoionization detector ("PID") was used to measure the concentration of organic vapors in the headspace of the sample jars. After calibrating the instrument to 99.9 parts per million ("ppm"), the PID probe was inserted into the headspace of the sample jars (through the aluminum foil), and the concentration of organic vapors was displayed by ppm. The PID readings are summarized in Table 1, and are shown on the boring logs in Appendix A.

The soil sample from each boring with the highest PID reading was analyzed for TPH by EPA method 8015 (extended) for gasoline range organics (GRO) and diesel range organics (DRO). Each sample was analyzed for chloride by EPA method 300. Table 1 presents a summary of the laboratory analyses of soil samples. Appendix B presents the laboratory analyses and chain of custody documentation.

Referring to Table 2, soil samples collected from each boring (BH-1 through BH-10) reported TPH concentrations below the test method detection limit. Chloride concentrations in soil are shown to reduce with depth at borings BH-3, BH-4, BH-7, but increased (specifically at a depth of approximately 10-12' bgs) at borings BH-1, BH-2, BH-5, BH-6, BH-9 and background boring BH-10.

Based on published literature (1961) and well records of the New Mexico State Engineer, groundwater occurs at approximately 117.28 feet bgs in the well located nearest the Site. No domestic water wells are located within 1,000 feet of the site. The NMOCD has established soil remediation action levels (RRAL) for benzene, total BTEX and TPH resulting from spills of natural gas liquids ("Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993"). Remediation levels for benzene, total BTEX and TPH were calculated using the following NMOCD criteria:

Criteria	Result	Ranking Score
Depth-to-Groundwater	>100 Feet	0
Wellhead Protection Area	No	0
Distance to Surface Water Body	>1000 Horizontal Feet	0
		Total: 0

The following RRALs have been assigned based on NMOCD criteria:

Benzene	**10 mg/kg**
Total BTEX	**50 mg/kg**
TPH	**5,000 mg/kg**

The NMOCD does not have an RRAL for chloride, but typically recommends an RRAL of 250 mg/kg.

Proposed Remediation

BTA proposes to excavate soil at the French #3 SWD site to a depth of approximately twelve (12) feet in the vicinity of soil borings BH-1, BH-2, BH-5, BH-6 and BH-9, and install a barrier to restrict further leaching of chlorides from the soil below the excavated depth. Excavated soil will be placed adjacent to the hole, and will be blended on-site to reduce concentrations of chloride below 250 mg/kg.

At a depth of approximately twelve (12) feet bgs, a layer of compacted clay, approximately three (3) feet thick will be placed at the bottom of the excavation in three (3) lifts of one foot each. The clay barrier will be slightly crowned, compacted to achieve 95% proctor density, and a licensed professional engineer will perform field tests following the compaction of each lift. Approximately nine (9) feet of blended soil will be placed over the clay barrier. A final report will be submitted to the NMOCD upon completion.

Please feel free to call Mr. Royce Boyce at (432) 682-3753 or me at (432) 687-0901 if you have any questions or need additional information. We may also be reached by email at rboyce@btaoil.com or cindy@laenvironmental.com.

Sincerely,
Larson and Associates, Inc.

Cindy K. Crain

Cindy K. Crain, P.G.
Project Manager

cc: Royce Boyce, BTA

Table

Table 1
Summary of Laboratory Analyses of Soil Samples
BTA Oil Producers, French #3 SWD
SE/4, NE/4, Section 24, Township 18 South, Range 32 East
Lea County, New Mexico

Boring Number	Sample Depth (Feet)	Sample Date	PID (ppm)	GRO C6-C12 (mg/kg)	DRO >C12-C35 (mg/kg)	TPH C6-C35 (mg/kg)	Chloride (mg/kg)
BH-1	0-2	09/06/05	2.4	---	---	---	598
	2-4	09/06/05	2.5	<10.0	<10.0	<20.0	172
	6-8	09/06/05	1.5	---	---	---	1,750
	10-12	09/06/05	1.4	---	---	---	9,110
BH-2	0-2	09/06/05	12.3	---	---	---	327
	2-4	09/06/05	34.7	<10.0	<10.0	<20.0	177
	6-8	09/06/05	7.1	---	---	---	7,910
	10-12	09/06/05	2.7	---	---	---	5,190
BH-3	0-2	09/06/05	12.7	---	---	---	20,300
	2-4	09/06/05	1.2	<10.0	<10.0	<20.0	973
	6-8	09/06/05	0.9	---	---	---	407
	10-12	09/06/05	0.6	---	---	---	11.1
BH-4	0-2	09/06/05	1.1	---	---	---	21,300
	2-4	09/06/05	1.1	<10.0	<10.0	<20.0	83.8
	6-8	09/06/05	1.0	---	---	---	6.08
BH-5	0-2	09/06/05	2.1	---	---	---	571
	2-4	09/06/05	2.7	---	---	---	86.8
	6-8	09/06/05	3.2	<10.0	<10.0	<20.0	301
	10 - 12	09/06/05	1.2	--	--	--	4,590
BH-6	0-2	09/06/05	1.1	--	--	--	153
	2-4	09/06/05	1.1	<10.0	<10.0	<20.0	96
	6-8	09/06/05	1.0	--	--	--	4,810
	10-12	09/06/05	0.6	--	--	--	7,940
BH-7	0-2	09/07/05	0.6	---	---	---	116
	2-4	09/07/05	0.7	<10.0	<10.0	<20.0	79.3
	6-8	09/07/05	0.7	---	---	---	9.08
	10-12	09/07/05	0.5	---	---	---	35.8

Table 1
Summary of Laboratory Analyses of Soil Samples
BTA Oil Producers, French #3 SWD
SE/4, NE/4, Section 24, Township 18 South, Range 32 East
Lea County, New Mexico

Boring Number	Sample Depth (Feet)	Sample Date	PID (ppm)	GRO C6-C12 (mg/kg)	DRO >C12-C35 (mg/kg)	TPH C6-C35 (mg/kg)	Chloride (mg/kg)
BH-8	0-2	09/07/05	0.7	---	---	---	40.6
	2-4	09/0705	0.7	---	---	---	53.9
	6-8	09/07/05	0.8	<10.0	<10.0	<20.0	136
	10-12	09/07/05	0.7	---	---	---	155
BH-9	0-2	09/07/05	0.9	---	---	---	147
	2-4	09/07/05	0.6	<10.0	<10.0	<20.0	12.2
	6-8	09/07/05	1.0	---	---	---	21.3
	10-12	09/07/08	2.1	<10.0	<10.0	<20.0	7,750
BH-10	0-2	09/07/05	2.0	<10.0	<10.0	<20.0	65.4
(Background)	2-4	09/07/05	0.7	---	---	---	208
	6-8	09/07/05	0.4	---	---	---	129
	10-12	09/07/05	0.1	---	---	---	1,100

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

1. Feet: Depth in feet below ground surface
2. GRO: Gasoline range organics
3. DRO: Diesel range organics
4. TPH: Total petroleum hydrocarbons (Sum of DRO + GRO)
5. mg/kg: Milligrams per kilogram
6. <: Below method detection limit
7. ppm: Parts per million
8. ---: No data available

Figures

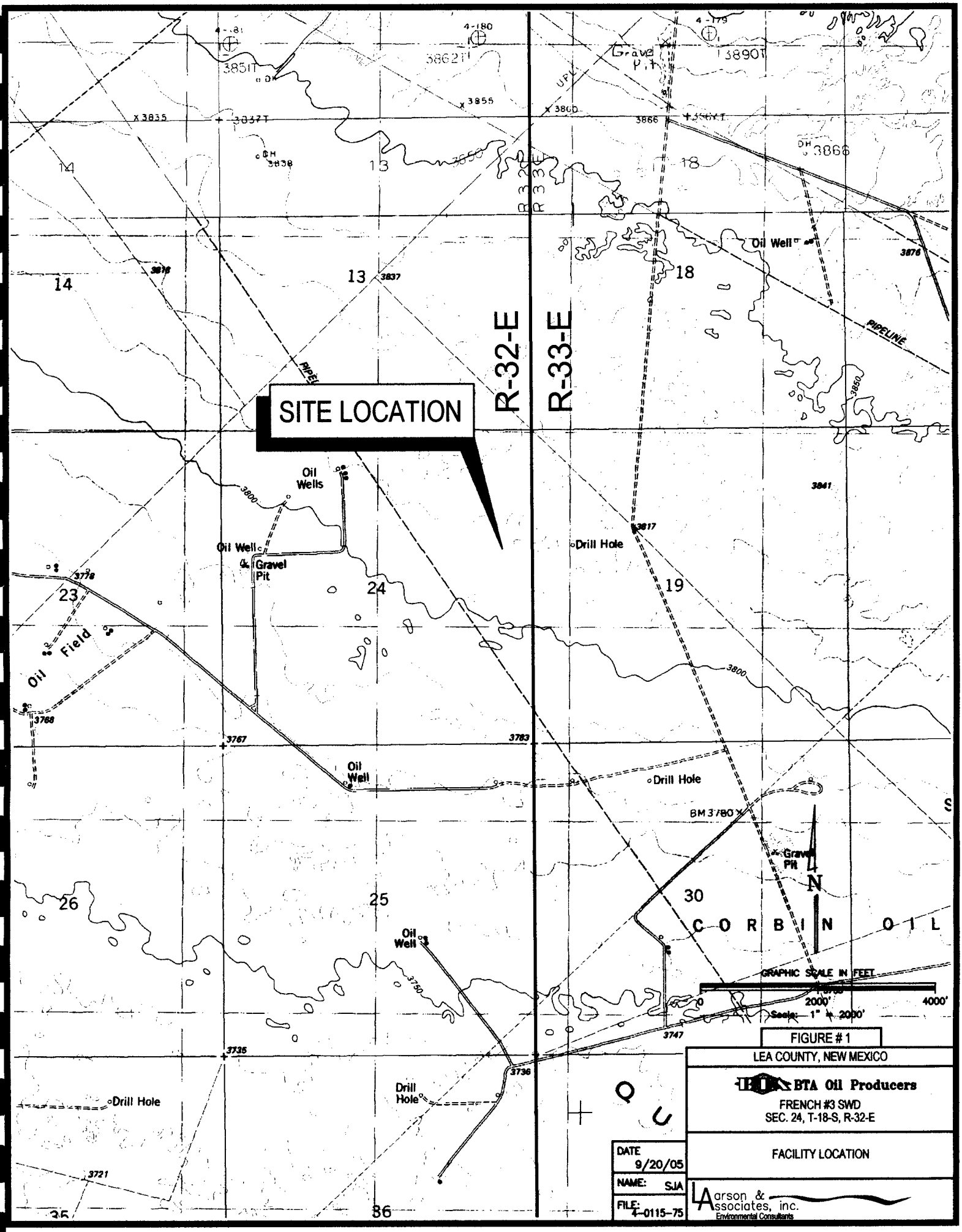


FIGURE # 1

LEA COUNTY, NEW MEXICO

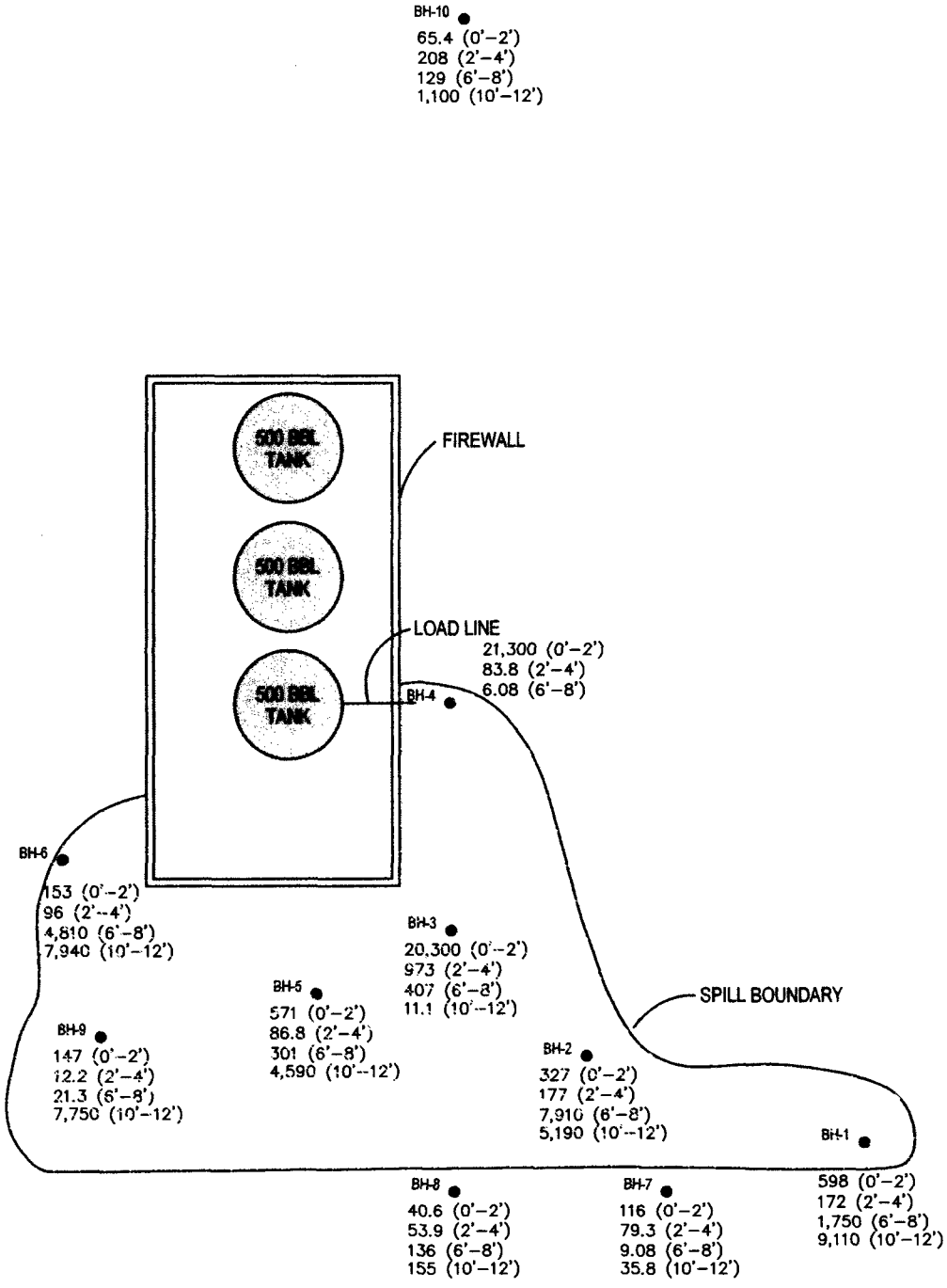
BTA Oil Producers

FRENCH #3 SWD
SEC. 24, T-18-S, R-32-E

FACILITY LOCATION

DATE	9/20/05
NAME:	SJA
FILE:	4-0115-75

Larson & Associates, inc.
Environmental Consultants



GRAPHIC SCALE IN FEET

0 50' 100'

Scale: 1" = 50'

LEGEND

BH-1
598 (0'–2')

GEOPROBE BORING LOCATION WITH CHLORIDE CONCENTRATION (MG/KG) AND DEPTH (FEET) IN SOIL 9/6 AND 9/7/05

FIGURE # 2

LEA COUNTY, NEW MEXICO

BTA Oil Producers

FRENCH #3 SWD
SEC. 24, T-18-S, R-32-E

SITE DRAWING

DATE 9/22/05

NAME: SJA

FILE: 4-0115-75

Larson & Associates, inc.
Environmental Consultants

APPENDIX A

SOIL BORING LOGS

Client: BTA Oil Producers

Project: French # 3 SWD

Project No: 4-0115-75

Location: Lea County, New Mexico, N32 44.075', W103 42.733'

Log: BH - 1

Page: 1 of 1

Geologist: C. Crain

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 3 5 7 9)	Notes
0		Ground Surface					
		Sand 2.5 YR 4/6, Red quartz sand, fine grained, moderately well sorted, loose, damp	1			2.4	
			2			2.5	
5							
		Sandy Clay 2.5 YR 4/6, Red clay, plastic, damp	3			1.5	
10			4			1.4	
		TD: 12'					
15							

Drill Method: Direct Push

Drill Date: 9/6/05

Hole Size: 3"

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

Elevation: N/A

Checked by: CC

Drilled by: LA

Client: BTA Oil Producers

Project: French # 3 SWD

Project No: 4-0115-75

Location: Lea County, New Mexico, N32 44.063', W103 42.733'

Log: BH - 2

Page: 1 of 1

Geologist: C. Crain

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (10 20 30 40)	Notes
0		Ground Surface					
		Sand 5 YR 4/6, Yellowish red quartz sand, fine grained, moderately well sorted, loose, damp	1			12.3	
			2			34.7	
5							
		Sandy Clay 2.5 YR 4/6, Red clay, plastic, soft, damp	3			7.1	
10			4			2.7	
		TD: 12'					
15							

Drill Method: Direct Push

Drill Date: 9/6/05

Hole Size: 3"

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

Elevation: N/A

Checked by: CC

Drilled by: LA

Client: BTA Oil Producers

Project: French # 3 SWD

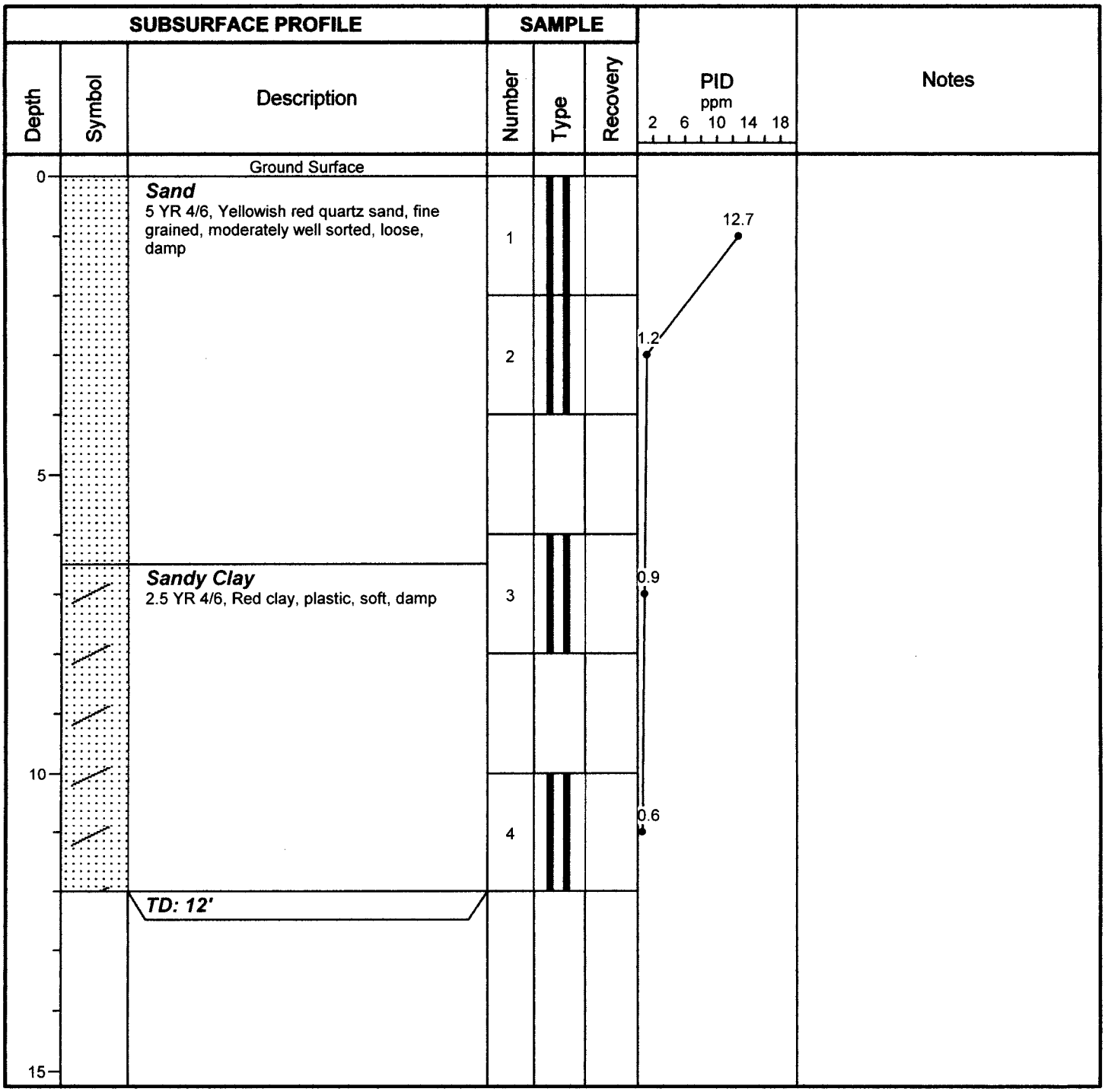
Project No: 4-0115-75

Location: Lea County, New Mexico, N32 44.067', W103 42.777'

Log: BH - 3

Page: 1 of 1

Geologist: C. Crain



Drill Method: Direct Push

Drill Date: 9/6/05

Hole Size: 3"

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

Elevation: N/A

Checked by: CC

Drilled by: LA

Client: BTA Oil Producers

Project: French # 3 SWD

Project No: 4-0115-75

Location: Lea County, New Mexico, N32 44.076', W103 42.781'

Log: BH - 4

Page: 1 of 1

Geologist: C. Crain

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (0.5 1 1.5)	Notes
0		Ground Surface					
		Sand 5 YR 4/6, Yellowish red quartz sand, fine grained, well sorted, loose, dry	1			1.1	
			2			1.1	
5							
			3			1.0	
		TD: 8'					
10							
15							

Drill Method: Direct Push

Drill Date: 9/6/05

Hole Size: 3"

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

Elevation: N/A

Checked by: CC

Drilled by: LA

Client: BTA Oil Producers

Project: French # 3 SWD

Project No: 4-0115-75

Location: Lea County, New Mexico, N32 44.062', W103 42.788'

Log: BH - 5

Page: 1 of 1

Geologist: C. Crain

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 2 3 4)	Notes
0		Ground Surface					
		Sand 5 YR 4/6, Yellowish red quartz sand, fine grained, well sorted, damp	1			2.1	
			2			2.7	
5							
			3			3.2	
		Sandy Clay 2.5 YR 4/6, Red clay, plastic, soft, damp					
10			4			1.2	
		TD: 12'					
15							

Drill Method: Direct Push

Drill Date: 9/6/05

Hole Size: 3"

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

Elevation: N/A

Checked by: CC

Drilled by: LA

Client: BTA Oil Producers

Project: French # 3 SWD

Project No: 4-0115-75

Location: Lea County, New Mexico, N32 44.069', W103 42.802'

Log: BH - 6

Page: 1 of 1

Geologist: C. Crain

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 2 3 4)	Notes
0		Ground Surface					
		Sand 5 YR 4/6, Yellowish red quartz sand, fine grained, well sorted, loose, damp	1			1.1	
			2			1.1	
5							
			3			1.0	
		Sandy Clay 2.5 YR 4/6, Red clay, plastic, soft, damp					
10			4			0.6	
		TD: 12'					
15							

Drill Method: Direct Push

Drill Date: 9/6/05

Hole Size: 3"

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

Elevation: N/A

Checked by: CC

Drilled by: LA

Client: BTA Oil Producers

Project: French # 3 SWD

Project No: 4-0115-75

Location: Lea County, New Mexico, N32 44.058', W103 42.764'

Log: BH - 7

Page: 1 of 1

Geologist: C. Crain

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 2 3 4)	Notes
0		Ground Surface					
		Sand 7.5 YR 4/4, Brown quartz sand, fine grained, well sorted, loose, damp	1			0.6	
			2			0.7	
5							
		Sandy Clay 2.5 YR 4/6, Red clay, soft, plastic, damp	3			0.7	
10			4			0.5	
		TD: 12'					
15							

Drill Method: Direct Push

Drill Date: 9/7/05

Hole Size: 3"

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

Elevation: N/A

Checked by: CC

Drilled by: LA

Client: BTA Oil Producers

Project: French # 3 SWD

Project No: 4-0115-75

Location: Lea County, New Mexico, N32 44.056', W103 42.777'

Log: BH - 8

Page: 1 of 1

Geologist: C. Crain

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 2 3 4)	Notes
0		Ground Surface					
		Sand 5 YR 4/6, Yellowish red quartz sand, fine grained, well sorted, damp	1			0.7	
			2			0.7	
5							
			3			0.8	
		Sandy Clay 2.5 YR 4/6, Red clay, soft, plastic, damp					
10			4			0.7	
		TD: 12'					
15							

Drill Method: Direct Push

Drill Date: 9/7/05

Hole Size: 3"

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

Elevation: N/A

Checked by: CC

Drilled by: LA

Client: BTA Oil Producers

Project: French # 3 SWD

Project No: 4-0115-75

Location: Lea County, New Mexico, N32 44.107', W103 42.780'

Log: BH - 10

Page: 1 of 1

Geologist: C. Crain

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 2 3 4)	Notes
0		Ground Surface					
		Sand 5 YR 4/6, Yellowish red quartz sand, fine grained, well sorted, damp	1			2.0	
			2			0.7	
5							
		Sandy Clay 2.5 YR 4/6, Red clay, soft, plastic, damp	3			0.4	
10			4			0.1	
		TD: 12'					
15							

Drill Method: Direct Push

Drill Date: 9/7/05

Hole Size: 3"

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

Elevation: N/A

Checked by: CC

Drilled by: LA

Client: BTA Oil Producers

Project: French # 3 SWD

Project No: 4-0115-75

Location: Lea County, New Mexico, N32 44.061', W103 42.800'

Log: BH - 9

Page: 1 of 1

Geologist: C. Crain

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 2 3 4)	Notes
0		Ground Surface					
		Sand 5 YR 4/6, Yellowish red quartz sand, fine grained, well sorted, loose, damp	1			0.9	
			2			0.6	
5							
			3			1.0	
10			4			2.1	
		TD: 12'					
15							

Drill Method: Direct Push

Drill Date: 9/7/05

Hole Size: 3"

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

Elevation: N/A

Checked by: CC

Drilled by: LA

APPENDIX B

LABORATORY ANALYSES AND CHAIN OF CUSTODY DOCUMENTATION

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: BTA/ French #3

Project Number: None Given

Location: None Given

Lab Order Number: 5I08001

Report Date: 09/15/05

Larson & Associates, Inc.	Project: BTA/ French #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/15/05 09:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 (0-2')	5I08001-01	Soil	09/06/05 10:27	09/07/05 14:26
BH-1 (2-4')	5I08001-02	Soil	09/06/05 10:28	09/07/05 14:26
BH-1 (6-8')	5I08001-03	Soil	09/06/05 10:36	09/07/05 14:26
BH-1 (10-12')	5I08001-04	Soil	09/06/05 10:50	09/07/05 14:26
BH-2 (0-2')	5I08001-05	Soil	09/06/05 11:14	09/07/05 14:26
BH-2 (2-4')	5I08001-06	Soil	09/06/05 11:15	09/07/05 14:26
BH-2 (6-8')	5I08001-07	Soil	09/06/05 11:23	09/07/05 14:26
BH-2 (10-12')	5I08001-08	Soil	09/06/05 11:37	09/07/05 14:26
BH-3 (0-2')	5I08001-09	Soil	09/06/05 12:13	09/07/05 14:26
BH-3 (2-4')	5I08001-10	Soil	09/06/05 12:14	09/07/05 14:26
BH-3 (6-8')	5I08001-11	Soil	09/06/05 12:23	09/07/05 14:26
BH-3 (10-12')	5I08001-12	Soil	09/06/05 12:32	09/07/05 14:26
BH-4 (0-2')	5I08001-13	Soil	09/06/05 12:53	09/07/05 14:26
BH-4 (2-4')	5I08001-14	Soil	09/06/05 12:54	09/07/05 14:26
BH-4 (6-8')	5I08001-15	Soil	09/06/05 13:05	09/07/05 14:26
BH-5 (0-2')	5I08001-16	Soil	09/06/05 13:25	09/07/05 14:26
BH-5 (2-4')	5I08001-17	Soil	09/06/05 13:26	09/07/05 14:26
BH-5 (6-8')	5I08001-18	Soil	09/06/05 13:34	09/07/05 14:26
BH-5 (10-12')	5I08001-19	Soil	09/06/05 13:48	09/07/05 14:26
BH-6 (0-2')	5I08001-20	Soil	09/06/05 14:10	09/07/05 14:26
BH-6 (2-4')	5I08001-21	Soil	09/06/05 14:11	09/07/05 14:26
BH-6 (6-8')	5I08001-22	Soil	09/06/05 14:24	09/07/05 14:26
BH-6 (10-12')	5I08001-23	Soil	09/06/05 14:41	09/07/05 14:26
BH-7 (0-2')	5I08001-24	Soil	09/07/05 09:25	09/07/05 14:26
BH-7 (2-4')	5I08001-25	Soil	09/07/05 09:26	09/07/05 14:26
BH-7 (6-8')	5I08001-26	Soil	09/07/05 09:34	09/07/05 14:26
BH-7 (10-12')	5I08001-27	Soil	09/07/05 09:47	09/07/05 14:26
BH-8 (0-2')	5I08001-28	Soil	09/07/05 10:08	09/07/05 14:26
BH-8 (2-4')	5I08001-29	Soil	09/07/05 10:09	09/07/05 14:26
BH-8 (6-8')	5I08001-30	Soil	09/07/05 10:16	09/07/05 14:26
BH-8 (10-12')	5I08001-31	Soil	09/07/05 10:29	09/07/05 14:26
BH-9 (0-2')	5I08001-32	Soil	09/07/05 11:09	09/07/05 14:26
BH-9 (2-4')	5I08001-33	Soil	09/07/05 11:10	09/07/05 14:26
BH-9 (6-8')	5I08001-34	Soil	09/07/05 11:19	09/07/05 14:26

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Larson & Associates, Inc.	Project: BTA/ French #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/15/05 09:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-9 (10-12')	5I08001-35	Soil	09/07/05 11:45	09/07/05 14:26
BH-10 (0-2')	5I08001-36	Soil	09/07/05 12:14	09/07/05 14:26
BH-10 (2-4')	5I08001-37	Soil	09/07/05 12:15	09/07/05 14:26
BH-10 (6-8')	5I08001-38	Soil	09/07/05 12:25	09/07/05 14:26
BH-10 (10-12')	5I08001-39	Soil	09/07/05 12:39	09/07/05 14:26

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

Larson & Associates, Inc.	Project: BTA/ French #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/15/05 09:15

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 (2-4') (5I08001-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50804	09/08/05	09/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*77.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*78.2 %*	*70-130*		"	"	"	"	
BH-2 (2-4') (5I08001-06) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50804	09/08/05	09/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	**ND**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*85.6 %*	*70-130*		"	"	"	"	
BH-3 (2-4') (5I08001-10) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50804	09/08/05	09/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*76.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*79.6 %*	*70-130*		"	"	"	"	
BH-4 (2-4') (5I08001-14) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50804	09/08/05	09/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*78.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*78.0 %*	*70-130*		"	"	"	"	
BH-5 (6-8') (5I08001-18) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50804	09/08/05	09/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*76.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*74.2 %*	*70-130*		"	"	"	"	

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Larson & Associates, Inc.	Project: BTA/ French #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/15/05 09:15

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-6 (2-4') (5I08001-21) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50804	09/08/05	09/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*77.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*76.8 %*	*70-130*		"	"	"	"	
BH-7 (2-4') (5I08001-25) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50804	09/08/05	09/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*74.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*75.0 %*	*70-130*		"	"	"	"	
BH-8 (6-8') (5I08001-30) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50804	09/08/05	09/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*81.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*76.2 %*	*70-130*		"	"	"	"	
BH-9 (2-4') (5I08001-33) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50804	09/08/05	09/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*77.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*77.0 %*	*70-130*		"	"	"	"	
BH-9 (10-12') (5I08001-35) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50804	09/08/05	09/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*78.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*77.4 %*	*70-130*		"	"	"	"	

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Larson & Associates, Inc.	Project: BTA/ French #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/15/05 09:15

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-10 (0-2') (5108001-36) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI50804	09/08/05	09/09/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*74.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.2 %*	*70-130*		"	"	"	"	

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Larson & Associates, Inc.	Project: BTA/ French #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/15/05 09:15

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 (0-2') (5I08001-01) Soil									
Chloride	**598**	10.0	mg/kg	20	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-1 (2-4') (5I08001-02) Soil									
Chloride	**172**	5.00	mg/kg	10	EI51305	09/12/05	09/12/05	EPA 300.0	
% Moisture	**7.3**	0.1	%	1	EH50909	09/08/05	09/09/05	% calculation	
BH-1 (6-8') (5I08001-03) Soil									
Chloride	**1750**	25.0	mg/kg	50	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-1 (10-12') (5I08001-04) Soil									
Chloride	**9110**	100	mg/kg	200	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-2 (0-2') (5I08001-05) Soil									
Chloride	**327**	5.00	mg/kg	10	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-2 (2-4') (5I08001-06) Soil									
Chloride	**177**	5.00	mg/kg	10	EI51305	09/12/05	09/12/05	EPA 300.0	
% Moisture	**5.5**	0.1	%	1	EH50909	09/08/05	09/09/05	% calculation	
BH-2 (6-8') (5I08001-07) Soil									
Chloride	**7910**	100	mg/kg	200	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-2 (10-12') (5I08001-08) Soil									
Chloride	**5190**	50.0	mg/kg	100	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-3 (0-2') (5I08001-09) Soil									
Chloride	**20300**	200	mg/kg	400	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-3 (2-4') (5I08001-10) Soil									
Chloride	**973**	20.0	mg/kg	40	EI51305	09/12/05	09/12/05	EPA 300.0	
% Moisture	**3.2**	0.1	%	1	EH50909	09/08/05	09/09/05	% calculation	

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Larson & Associates, Inc.	Project: BTA/ French #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/15/05 09:15

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-3 (6-8') (5I08001-11) Soil									
Chloride	**407**	10.0	mg/kg	20	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-3 (10-12') (5I08001-12) Soil									
Chloride	**11.1**	5.00	mg/kg	10	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-4 (0-2') (5I08001-13) Soil									
Chloride	**21300**	500	mg/kg	1000	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-4 (2-4') (5I08001-14) Soil									
Chloride	**83.8**	5.00	mg/kg	10	EI51305	09/12/05	09/12/05	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	EH50909	09/08/05	09/09/05	% calculation	
BH-4 (6-8') (5I08001-15) Soil									
Chloride	**6.08**	5.00	mg/kg	10	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-5 (0-2') (5I08001-16) Soil									
Chloride	**571**	20.0	mg/kg	40	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-5 (2-4') (5I08001-17) Soil									
Chloride	**86.8**	5.00	mg/kg	10	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-5 (6-8') (5I08001-18) Soil									
Chloride	**301**	10.0	mg/kg	20	EI51305	09/12/05	09/12/05	EPA 300.0	
% Moisture	**12.1**	0.1	%	1	EH50909	09/08/05	09/09/05	% calculation	
BH-5 (10-12') (5I08001-19) Soil									
Chloride	**4590**	50.0	mg/kg	100	EI51305	09/12/05	09/12/05	EPA 300.0	
BH-6 (0-2') (5I08001-20) Soil									
Chloride	**153**	5.00	mg/kg	10	EI51305	09/12/05	09/12/05	EPA 300.0	

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Larson & Associates, Inc.	Project: BTA/ French #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/15/05 09:15

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-6 (2-4') (5I08001-21) Soil									
Chloride	**96.0**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
% Moisture	**6.7**	0.1	%	1	EH50909	09/08/05	09/09/05	% calculation	
BH-6 (6-8') (5I08001-22) Soil									
Chloride	**4810**	100	mg/kg	200	EI51306	09/13/05	09/13/05	EPA 300.0	
BH-6 (10-12') (5I08001-23) Soil									
Chloride	**7940**	100	mg/kg	200	EI51306	09/13/05	09/13/05	EPA 300.0	
BH-7 (0-2') (5I08001-24) Soil									
Chloride	**116**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
BH-7 (2-4') (5I08001-25) Soil									
Chloride	**79.3**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
% Moisture	**2.6**	0.1	%	1	EH50909	09/08/05	09/09/05	% calculation	
BH-7 (6-8') (5I08001-26) Soil									
Chloride	**9.08**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
BH-7 (10-12') (5I08001-27) Soil									
Chloride	**35.8**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
BH-8 (0-2') (5I08001-28) Soil									
Chloride	**40.6**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
BH-8 (2-4') (5I08001-29) Soil									
Chloride	**53.9**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
BH-8 (6-8') (5I08001-30) Soil									
Chloride	**136**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	EH50909	09/08/05	09/09/05	% calculation	

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Larson & Associates, Inc.	Project: BTA/ French #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/15/05 09:15

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-8 (10-12') (5I08001-31) Soil									
Chloride	**155**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
BH-9 (0-2') (5I08001-32) Soil									
Chloride	**147**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
BH-9 (2-4') (5I08001-33) Soil									
Chloride	**12.2**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
% Moisture	**5.9**	0.1	%	1	EH50909	09/08/05	09/09/05	% calculation	
BH-9 (6-8') (5I08001-34) Soil									
Chloride	**21.3**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
BH-9 (10-12') (5I08001-35) Soil									
Chloride	**7750**	200	mg/kg	400	EI51306	09/13/05	09/13/05	EPA 300.0	
% Moisture	**9.5**	0.1	%	1	EH50909	09/08/05	09/09/05	% calculation	
BH-10 (0-2') (5I08001-36) Soil									
Chloride	**65.4**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
% Moisture	**3.8**	0.1	%	1	EH50909	09/08/05	09/09/05	% calculation	
BH-10 (2-4') (5I08001-37) Soil									
Chloride	**208**	20.0	mg/kg	40	EI51306	09/13/05	09/13/05	EPA 300.0	
BH-10 (6-8') (5I08001-38) Soil									
Chloride	**129**	5.00	mg/kg	10	EI51306	09/13/05	09/13/05	EPA 300.0	
BH-10 (10-12') (5I08001-39) Soil									
Chloride	**1100**	20.0	mg/kg	40	EI51306	09/13/05	09/13/05	EPA 300.0	

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Larson & Associates, Inc.	Project: BTA/ French #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/15/05 09:15

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 EI50804 - Solvent Extraction (GC)										
Blank (EI50804-BLK1)				Prepared: 09/08/05 Analyzed: 09/09/05						
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	*42.9*		*mg/kg*	*50.0*		*85.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.2*		*"*	*50.0*		*92.4*	*70-130*			
LCS (EI50804-BS1)				Prepared: 09/08/05 Analyzed: 09/09/05						
Gasoline Range Organics C6-C12	397	10.0	mg/kg wet	500		79.4	75-125			
Diesel Range Organics >C12-C35	438	10.0	"	500		87.6	75-125			
Total Hydrocarbon C6-C35	835	10.0	"	1000		83.5	75-125			
Surrogate: 1-Chlorooctane	*42.5*		*mg/kg*	*50.0*		*85.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.7*		*"*	*50.0*		*91.4*	*70-130*			
Calibration Check (EI50804-CCV1)				Prepared: 09/08/05 Analyzed: 09/09/05						
Gasoline Range Organics C6-C12	444		mg/kg	500		88.8	80-120			
Diesel Range Organics >C12-C35	489		"	500		97.8	80-120			
Total Hydrocarbon C6-C35	933		"	1000		93.3	80-120			
Surrogate: 1-Chlorooctane	*46.7*		*"*	*50.0*		*93.4*	*0-200*			
Surrogate: 1-Chlorooctadecane	*49.0*		*"*	*50.0*		*98.0*	*0-200*			
Matrix Spike (EI50804-MS1)	**Source: 5I08001-02**			Prepared: 09/08/05 Analyzed: 09/09/05						
Gasoline Range Organics C6-C12	455	10.0	mg/kg dry	539	ND	84.4	75-125			
Diesel Range Organics >C12-C35	456	10.0	"	539	ND	84.6	75-125			
Total Hydrocarbon C6-C35	911	10.0	"	1080	ND	84.4	75-125			
Surrogate: 1-Chlorooctane	*47.5*		*mg/kg*	*50.0*		*95.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.8*		*"*	*50.0*		*93.6*	*70-130*			
Matrix Spike Dup (EI50804-MSD1)	**Source: 5I08001-02**			Prepared: 09/08/05 Analyzed: 09/09/05						
Gasoline Range Organics C6-C12	442	10.0	mg/kg dry	539	ND	82.0	75-125	2.90	20	
Diesel Range Organics >C12-C35	469	10.0	"	539	ND	87.0	75-125	2.81	20	
Total Hydrocarbon C6-C35	911	10.0	"	1080	ND	84.4	75-125	0.00	20	
Surrogate: 1-Chlorooctane	*48.9*		*mg/kg*	*50.0*		*97.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.6*		*"*	*50.0*		*93.2*	*70-130*			

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

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 EH50909 - General Preparation (Prep)										
Blank (EH50909-BLK1)				Prepared: 08/09/05 Analyzed: 09/09/05						
% Solids	100		%							
Duplicate (EH50909-DUP1)	**Source: 5I07011-01**			Prepared: 08/09/05 Analyzed: 09/09/05						
% Solids	85.1		%		85.7			0.703	20	
Duplicate (EH50909-DUP2)	**Source: 5I08002-02**			Prepared: 08/09/05 Analyzed: 09/09/05						
% Solids	91.7		%		91.9			0.218	20	
Duplicate (EH50909-DUP3)	**Source: 5I08003-15**			Prepared: 08/09/05 Analyzed: 09/09/05						
% Solids	88.2		%		88.1			0.113	20	
Duplicate (EH50909-DUP4)	**Source: 5I08010-01**			Prepared: 08/09/05 Analyzed: 09/09/05						
% Solids	98.8		%		98.7			0.101	20	
Batch EI51305 - Water Extraction										
Blank (EI51305-BLK1)				Prepared & Analyzed: 09/12/05						
Chloride	ND	0.500	mg/kg							
LCS (EI51305-BS1)				Prepared & Analyzed: 09/12/05						
Chloride	8.96		mg/L	10.0		89.6	80-120			
Calibration Check (EI51305-CCV1)				Prepared & Analyzed: 09/12/05						
Chloride	9.27		mg/L	10.0		92.7	80-120			
Duplicate (EI51305-DUP1)	**Source: 5I08001-01**			Prepared & Analyzed: 09/12/05						
Chloride	597	10.0	mg/kg		598			0.167	20	

Larson & Associates, Inc.	Project: BTA/ French #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/15/05 09:15

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 EI51306 - Water Extraction										
Blank (EI51306-BLK1)				Prepared & Analyzed: 09/13/05						
Chloride	ND	0.500	mg/kg							
LCS (EI51306-BS1)				Prepared & Analyzed: 09/13/05						
Chloride	8.90		mg/L	10.0		89.0	80-120			
Calibration Check (EI51306-CCV1)				Prepared & Analyzed: 09/13/05						
Chloride	8.41		mg/L	10.0		84.1	80-120			
Duplicate (EI51306-DUP1)	**Source: 5I08001-21**			Prepared & Analyzed: 09/13/05						
Chloride	105	5.00	mg/kg		96.0			8.96	20	

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Larson & Associates, Inc.	Project: BTA/ French #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/15/05 09:15

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
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: Raland K Tuttle Date: 9/15/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
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: BTA
SITE MANAGER: Cindy Crain
PROJECT NO.:
PROJECT NAME: French # 3
PAGE 2 OF 3
LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	PARAMETERS/METHOD NUMBER: Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
9/6/05	1348		✓		BH-5 (10-12')	1		✓	510800	-19
"	1410		✓		BH-6 (0-2')	1		✓		-20
"	1411		✓		BH-6 (2-4')	1	✓	✓		-21
"	1424		✓		BH-6 (6-8')	1		✓		-22
"	1441		✓		BH-6 (10-12')	1		✓		-23
9/7/05	0925		✓		BH-7 (0-2')	1		✓		-24
"	0926		✓		" (2-4')	1	✓	✓		-25
"	0934		✓		" (6-8')	1		✓		-26
"	0947		✓		" (10-12')	1		✓		-27
"	1008		✓		BH-8 (0-2')	1	cc WMF	✓		-28
"	1009		✓		" (2-4')	1	✓	✓		-29
"	1016		✓		" (6-8')	1		✓		-30
"	1029		✓		" (10-12')	1		✓		-31
"	1109		✓		BH-9 (0-2')	1		✓		-32
"	1110		✓		" (2-4')	1	✓	✓		-33
"	1119		✓		" (6-8')	1		✓		-34
"	1145		✓		" (10-12')	1	✓	✓		-35
"	1214		✓		BH-10 (0-2')	1	✓	✓		-36

SAMPLED BY: (Signature) Cindy Crain — DATE: 9/6/05 TIME: 1214
RELINQUISHED BY: (Signature) Cindy Crain — DATE: 9/7/05 TIME: 1424
RECEIVED BY: (Signature) — DATE: TIME:
RELINQUISHED BY: (Signature) — DATE: TIME:
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: ELOT
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature) Carrie Kelly
DATE: 9/7/05 TIME: 14:22

SAMPLE CONDITION WHEN RECEIVED: 1.5°C
LA CONTACT PERSON: C. Crain
SAMPLE TYPE: Soil

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:	SITE MANAGER:
BTA	Cindy Crain
PROJECT NO.:	PROJECT NAME:
	French #3

PAGE 3 OF 3 — LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	PARAMETERS/METHOD NUMBER: Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
9/7/05	1215		✓		BH-10 (2-4')	1		✓	5T08001-37	
"	1225		✓		" (6-8')	1		✓	-38	
"	1239		✓		" (10-12')	1		✓	-39	

SAMPLED BY: (Signature) Cindy Crain — DATE: 9/7/05 TIME: 1239

RELINQUISHED BY: (Signature) Cindy Crain — DATE: 9/7/05 TIME: 1426

RECEIVED BY: (Signature) — DATE: TIME:

RELINQUISHED BY: (Signature) — DATE: TIME:

RECEIVED BY: (Signature) — DATE: TIME:

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

COMMENTS:

TURNAROUND TIME NEEDED

RECEIVING LABORATORY: ELOT
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) Carrie Kelley
DATE: 9/7/05 TIME: 14:26

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

SAMPLE CONDITION WHEN RECEIVED: 1.5°C

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

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

Client: Larson & Assoc.

Date/Time: 9/7/05 14:26

Order #: 5E08001

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	1.5 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
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:

Larson & Associates, Inc.
Environmental Consultants

September 23, 2005

Mr. Larry Johnson
New Mexico Oil Conservation Division – District 1
1625 North French Drive
Hobbs, New Mexico 88240

Re: Spill Remediation Workplan, BTA Oil Producers, Unit Letter H (SE/4, NE/4), Section 24, Township 18 South, Range 32 East, Lea County, New Mexico

Dear Mr. Johnson:

Please find enclosed a copy of the above-referenced workplan. The workplan is submitted on behalf of BTA Oil Producers., and presents the proposed remediation to be conducted by Larson and Associates, Inc.

Please call Royce Boyce at (432) 682-3753 or myself at (432) 687-0901 if you have questions.

Sincerely,
Larson and Associates, Inc.

Cindy K. Crain

Cindy K. Crain, P.G.
Project Manager

cc: Royce Boyce - BTA

507 North Marienfeld, Suite 202 ◆ Midland, Texas 79701 ◆ Ph. (432) 687-0901 ◆ Fax (432) 687-0456