Larson & Associates, Inc.
Environmental Consultants

October 5, 2006

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

Re: RP1-1043 Investigation Report, XTO Energy, Inc., Eunice Monument South Unit Well#187, Unit Letter D (NW/4. NW/4), Section 5, Township 21 South, Range 36 East, Lea County, New Mexico

Dear Mr. Johnson:

Please find enclosed the above-referenced report, which is submitted to the State of New Mexico Oil Conservation Division ("OCD") on behalf of XTO Energy, Inc ("XTO") by Larson and Associates, Inc. ("LA"), its consultant, for a produced water spill that occurred at the Eunice Monument South Unit Well #187. Please contact Mr. Dudley McMinn with XTO at (432) 682-8873 or email Dudley_Mcminn@xtoenergy.com if you have questions. I may be reached with questions at (432) 687-0901 or email mark@laenvironmental.com.

Sincerely,
Larson and Associates, Inc.

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

Encl.

cc: Dudley McMinn

Larson & Associates, Inc.
Environmental Consultants

October 4, 2006

VIA CERTIFIED MAIL

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

Re: 1RP-1043, XTO Energy, Inc., EMSU Well #187 Produced Water Spill Investigation Report, Unit Letter D (NW/4, NW/4), Section 5, Township 21 South, Range 36 East, Lea County, New Mexico

Dear Mr. Johnson:

This letter is submitted to the State of New Mexico Oil Conservation Division ("OCD") on behalf of XTO Energy, Inc. ("XTO") by Larson and Associates, Inc. ("LA"), its agent, to present the results of an investigation of a produced water spill at the Eunice Monument South Unit ("EMSU") injection well #187 ("Site"). The latitude and longitude for the Site is North 32° 31' 14.1" and West 103° 17' 37.8", respectively. Figure 1 presents a topographic and depth-to-groundwater map. Contact information for XTO is as follows:

Mr. Dudley M^{c}Minn
Environmental, Health & Safety Representative
XTO Energy, Inc.
200 North Loraine Street, Suite 800
Midland, Texas 79701
Office: (432) 682-8873
Fax: (432) 687-0862
Cell: (432) 557-7976
Email: Dudley_McMinn@xtoenergy.com

Chronology

The spill occurred on August 2, 2004, while ChevronTexaco North America Exploration and Production Company ("ChevronTexaco") operated the property. ChevronTexaco reported the spill to the OCD on August 3, 2004, and submitted form C-141. Form C-141 reported the release involved approximately 180 barrels ("bbl") of produced water and 160 bbl was recovered. ChevronTexaco personnel scrapped an unknown volume of soil from the spill, which was disposed at Sundance, Inc., located east of Eunice, New Mexico. XTO assumed operations of the Site on August 16, 2004.

On November 9, 2004, December 22, 2004, April 3, 2006 and July 6, 2006, LA personnel collected soil samples from borings and notification was provided to the OCD prior to each event. The samples were collected using hand auger, direct push and air rotary methods, placed in 4-ounce glass jars, labeled, chilled in an ice chest and delivered to Environmental Lab of Texas, Inc., located in Odessa, Texas. Duplicate sample were collected for headspace analysis and recorded on boring logs. All headspace readings were below 100 parts per million ("ppm"), therefore, the laboratory analyzed select samples for total petroleum hydrocarbons ("TPH") and all samples were analyzed for chloride using methods SW-846-8015 and 300, respectively. Figure 2 presents the boring locations. Table 1 presents a summary of the laboratory analysis. Appendix A presents the boring logs. Appendix B presents the laboratory reports. Appendix C presents photographs.

Conclusions

Ground water occurs at approximately 105 feet below ground surface ("bgs") and no wells or surface water is present within 1,000 horizontal feet of the Site. Figure 1 presents contours for depth-to-groundwater. Recommended remediation action levels ("RRAL") were calculated for the Site using the following OCD criteria:

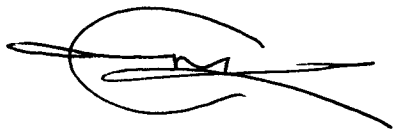
Ranking Criteria	Result	Ranking Score
Depth-to-Groundwater	>100 feet	0
Wellhead Protection Area	No	0
Distance to Surface Water Body	>1000 Horizontal Feet	0
	Total Score:	**0**

The following RRAL are assigned to the leak based on the total ranking score (0):

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

TPH was below 5,000 mg/Kg in all samples. The maximum vertical concentration of chloride decreased below 1000 milligrams per kilogram ("mg/Kg") at all locations, except from location HB-12. The deepest sample from boring HB-12 (40 to 41 feet), reported chloride at 1,110 mg/Kg. The highest chloride was reported in sample HB-12, 20 to 22 feet bgs (3,110 mg/Kg). This sample was analyzed using the synthetic precipitation leaching procedure ("SPLP") by EPA method SW-846-1312 to determine if the chloride would leach above the New Mexico Water Quality Control Commission ("WQCC") domestic water quality threshold of 250 milligrams per liter ("mg/L"). The chloride concentration from the SPLP method was 177 mg/L. XTO respectfully requests a closure letter from the OCD for this spill. Please contact Mr. Dudley McMinn with XTO at (432) 682-8873 or email Dudley_McMinn@xtoenergy.com if you have questions. I may be reached with questions at (432) 687-0901 or email mark@laenvironmental.com.

Sincerely,
Larson and Associates, Inc.



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

Encl

cc: Dudley McMinn/XTO

Tables

Table 1
Summary of Laboratory Analyses of Soil Samples
XTO Energy, Inc., Eunice Monument South Uunit (EMSU) Well #187
Unit Letter D (NW/4, NW/4), Section 5, Township 21 South, Range 36 East
Lea County, New Mexico

Sample Location	Sample Date	Sample Depth (BGS)	GRO C6 - C12 (mg/Kg)	DRO C12 - C35 (mg/Kg)	DRO C12 - C28 (mg/Kg)	DRO C28 - C35 (mg/Kg)	TPH C6 - C35 (mg/Kg)	Chloride (mg/Kg)	SPLP Chloride (mg/L)
HB-1	11/09/2004	0 - 1	9.7	66	--	--	75.7	638	--
BBH-1	11/09/2004	1 - 2	<10	<10	--	--	<20	808	--
HB-1A	11/09/2004	2 - 3	<10	<10	--	--	<20	399	--
	12/22/2004	4 -6	---	---	--	---	---	968	--
	12/22/2004	6 - 8	---	---	--	---	---	1320	--
	04/03/2006	10 - 12	---	---	--	---	---	936	--
	04/03/2006	15 - 17	---	---	--	---	---	1400	--
	04/03/2006	20 - 22	---	---	--	---	---	441	--
HB-2	11/09/2004	0 - 1	<10	107	--	--	107	2800	--
HB-2A	11/09/2004	1 - 2	<10	68	--	--	68	1300	--
	11/09/2004	2 - 3	<10	<10	--	--	<20	1130	--
	04/04/2006	5 - 7	---	---	--	---	---	3470	--
	04/04/2006	10 - 12	---	---	--	---	---	2360	--
	04/04/2006	15 - 17	---	---	--	---	---	681	--
HB-3	11/09/2004	0 - 1	<10	<10	--	--	<20	<20	--
	11/09/2004	1 - 2	<10	<10	--	--	<20	<20	--
	11/09/2004	2 - 3	<10	<10	--	--	<20	<20	--
HB-4	11/09/2004	0 - 1	<10	<10	--	--	<20	97.7	--
BBH-4	11/09/2004	1 - 2	<10	<10	--	--	<20	638	--
HB-4A	11/09/2004	2 - 3	<10	<10	--	--	<20	915	--
	12/22/2004	4 - 6	---	--	--	---	---	1280	--
	04/03/2006	10 - 12	---	--	--	---	---	553	--
HB-5	11/09/2004	0 - 1	<10	<10	--	--	<20	<20	--
	11/09/2004	1 -2	<10	<10	--	--	<20	31.9	--
	11/09/2004	2 - 3	<10	<10	--	--	<20	<20	--
HB-6	11/09/2004	0 - 1	<10	286	--	--	286	362	--
BBH-6	11/09/2004	1 - 2	<10	191	--	--	191	319	--
HB-6A	11/09/2004	2 - 3	<10	<10	--	--	<20	585	--
	12/22/2004	4 - 6	---	--	--	---	---	1420	--
	12/22/2004	6 - 8	---	--	--	---	---	893	--
	04/03/2006	10 - 12	---	--	--	---	---	223	--
HB-7	11/09/2004	0-1	<10	<10	--	--	<20	<20	--
	11/09/2004	1-2	<10	142	--	--	142	<20	--
	11/09/2004	2-3	<10	<10	--	--	<20	<20	--
HB-8	11/09/2004	0 - 1	<10	<10	--	--	<20	<20	--
HB-8A	11/09/2004	1 - 2	<10	<10	--	--	<20	42.5	--
	11/09/2004	2 - 3	<10	<10	--	--	<20	63.8	--
	04/03/2006	5 -7	---	--	--	---	---	489	--
	07/06/2006	10 - 11	---	--	--	---	---	31.9	--
	07/06/2006	15 - 16	---	--	--	---	---	21.3	--
	07/06/2006	20 - 21	---	--	--	---	---	<20	--
	07/06/2006	25 - 26	---	--	--	---	---	---	--
BH-9	12/22/2004	0 - 2	---	--	---	---	---	63.8	--
HB-9A	12/22/2004	2 -4	---	--	---	---	---	<20	--
	12/22/2004	4 - 6	---	--	---	---	---	21.3	--
	12/22/2004	6 - 8	---	--	---	---	---	170	--
	04/03/2006	10 - 12	---	--	---	---	---	872	--

Table 1
Summary of Laboratory Analyses of Soil Samples
XTO Energy, Inc., Eunice Monument South Uunit (EMSU) Well #187
Unit Letter D (NW/4, NW/4), Section 5, Township 21 South, Range 36 East
Lea County, New Mexico

Sample Location	Sample Date	Sample Depth (BGS)	GRO C6 - C12 (mg/Kg)	DRO C12 - C35 (mg/Kg)	DRO C12 - C28 (mg/Kg)	DRO C28 - C35 (mg/Kg)	TPH C6 - C35 (mg/Kg)	Chloride (mg/Kg)	SPLP Chloride (mg/L)
	04/03/2006	15 - 16	---	--	---	---	---	766	--
	07/06/2006	20 - 21	---	--	---	---	---	1,470	--
	07/06/2006	25 - 26	---	--	---	---	---	319	--
	07/06/2006	30 - 31	---	--	---	---	---	340	--
BH-10	12/22/2004	0 - 2	---	--	---	---	---	<20	--
HB-10A	12/22/2004	2 - 4	---	--	---	---	---	<20	--
	12/22/2004	4 - 6	---	--	---	---	---	<20	--
	12/22/2004	6 - 8	---	--	---	---	---	31.9	--
	04/03/2006	10 -12	---	--	---	---	---	1070	--
	04/03/2006	15 - 17	---	--	---	---	---	1740	--
	04/03/2006	20 - 22	---	--	---	---	---	959	--
BH-11	12/22/2004	0 - 2	---	--	---	---	---	<20	--
HB-11A	12/22/2004	2 - 4	---	--	---	---	---	<20	--
	12/22/2004	4 - 6	---	--	---	---	---	<20	--
	12/22/2004	6 - 8	---	--	---	---	---	<20	--
	04/03/2006	10 - 12	---	--	---	---	---	117	--
HB-12	04/04/2006	0 - 2	<10	--	<10	<10	<30	<20	--
	04/04/2006	5 - 7	---	--	---	---	---	510	--
	04/04/2006	1 0 -12	---	--	---	---	---	2000	--
	04/04/2006	20 - 22	---	--	---	---	---	3110	177
	07/06/2006	25 - 26	<10	--	<10	<10	<30	2,340	--
	07/06/2006	30 - 31	---	--	---	---	---	510	--
	07/06/2006	35 - 36	---	--	---	---	---	1,020	--
	07/06/2006	40 - 41	---	--	---	---	---	1,110	--
HB-13	04/03/2006	0 - 2	---	--	---	---	---	<20	--
	04/03/2006	5 - 7	---	--	---	---	---	404	--
	04/03/2006	10 - 12	---	--	---	---	---	170	--
HB-14	07/06/2006	0 - 2	---	--	---	---	---	<20	--
	07/06/2006	5 - 6	---	--	---	---	---	978	--
	07/06/2006	1 0 -11	---	--	---	---	---	681	--
	07/06/2006	15 - 16	<10	--	<10	<10	<30	893	--
	07/06/2006	20 - 22	---	--	---	---	---	1,700	--
	07/06/2006	25 - 26	---	--	---	---	---	638	--
	07/06/2006	30 - 31	---	--	---	---	---	553	--
BH-14	07/06/2006	35 - 36	---	--	---	---	---	298	--
	07/06/2006	40 - 41	---	--	---	---	---	--	--
HB-15	07/06/2006	0 - 2	---	--	---	---	---	31.9	--
	07/06/2006	5 - 6	<10	--	<10	<10	<30	74.4	--
	07/06/2006	1 0 -11	---	--	---	---	---	<20	--
	07/06/2006	15 - 16	---	--	---	---	---	<20	--
	07/06/2006	20 - 21	---	--	---	---	---	<20	--
	07/06/2006	25 - 26	---	--	---	---	---	---	--
Background	11/09/2004	0 - 1	<10.0	--	---	<10.0	<20.0	<20	--
	07/06/2006	0 - 2	---	--	---	---	---	<20	--
	11/09/2004	1 -2	<10.0	--	---	<10.0	<20.0	<20	--
	11/09/2004	2 - 3	<10.0	--	---	<10.0	<20.0	<20	--
	07/06/2006	5 - 6	---	--	---	---	---	31.9	--

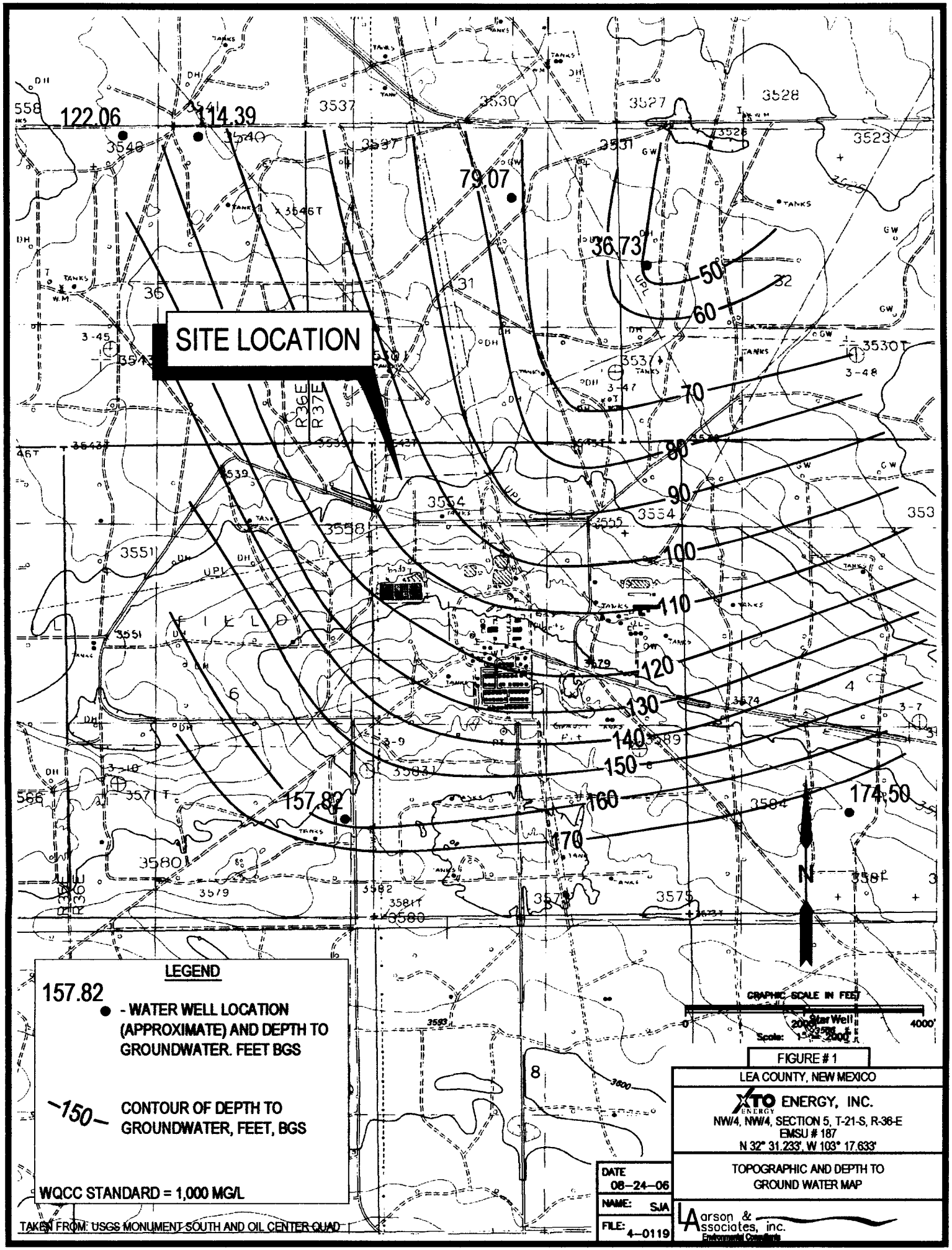
Table 1
Summary of Laboratory Analyses of Soil Samples
XTO Energy, Inc., Eunice Monument South Uunit (EMSU) Well #187
Unit Letter D (NW/4, NW/4), Section 5, Township 21 South, Range 36 East
Lea County, New Mexico

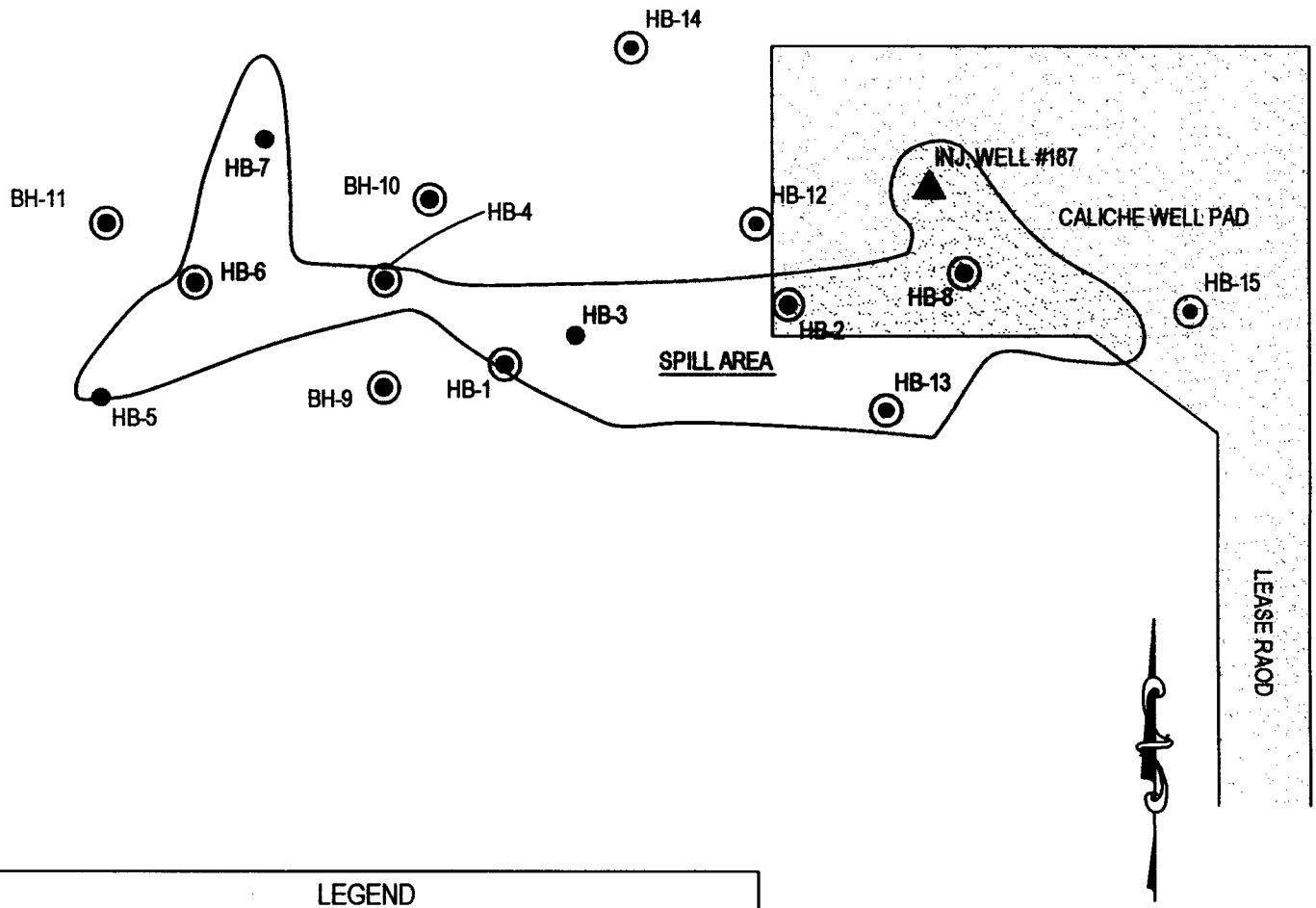
Sample Location	Sample Date	Sample Depth (BGS)	GRO C6 - C12 (mg/Kg)	DRO C12 - C35 (mg/Kg)	DRO C12 - C28 (mg/Kg)	DRO C28 - C35 (mg/Kg)	TPH C6 - C35 (mg/Kg)	Chloride (mg/Kg)	SPLP Chloride (mg/L)
Background	07/06/2006	1 0 -11	---	--	---	---	---	<20	--
	07/06/2006	15 - 16	---	--	---	---	---	85.1	--
	07/06/2006	20 - 21	---	--	---	---	---	42.5	--
	07/06/2006	25 - 26	---	--	---	---	---	21.3	--
	07/06/2006	30 - 31	---	--	---	---	---	<20	--
	07/06/2006	35 - 36	---	--	---	---	---	<20	--
	07/06/2006	40 - 41	---	--	---	---	---	---	--

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

1. BGS: Depth in feet below ground surface
2. TPH: Total petroleum hydrocarbons (Sum of C6 to C35)
3. mg/Kg: Milligrams per kilogram
4. mg/L: Milligrams per liter
5. <: Below method detection limit
6. --: No data available

Figures


122.06
114.39
79.07
36.73
157.82
174.50
SITE LOCATION
R36E
R37E
FIELD
50
60
70
80
90
100
110
120
130
140
150
160
170
LEGEND
157.82 ● - WATER WELL LOCATION (APPROXIMATE) AND DEPTH TO GROUNDWATER. FEET BGS
-150- CONTOUR OF DEPTH TO GROUNDWATER, FEET, BGS
WQCC STANDARD = 1,000 MG/L
TAKEN FROM: USGS MONUMENT SOUTH AND OIL CENTER QUAD
GRAPHIC SCALE IN FEET
0
2000
4000'
Scale: 1" = 2000'
N
FIGURE # 1
LEA COUNTY, NEW MEXICO
XTO ENERGY, INC.
NW/4, NW/4, SECTION 5, T-21-S, R-36-E
EMSU # 187
N 32° 31.233', W 103° 17.633'
TOPOGRAPHIC AND DEPTH TO GROUND WATER MAP
DATE 08-24-06
NAME: SJA
FILE: 4-0119
Larson & Associates, inc.
Environmental Consultants



LEGEND

INJ. WELL #187 ▲ - INJECTION WELL

HB-3 ● - HAND AUGER BORING LOCATION (11/09/04)

BH-9 ◉ - MACHINE-DRILLED BORING LOCATION (12/22/04, 4/3-6/06 AND 7/6/06)

_ _ _ - SPILL BOUNDARY

GRAPHIC SCALE IN FEET

0 40' 80'

Scale: 1" = 40'

FIGURE # 2

LEA COUNTY, NEW MEXICO

XTO ENERGY, INC.

NW/4, NW/4, SECTION 5, T-21-S, R-36-E
EMSU # 187
N 32° 31.233', W 103° 17.633'

SITE DRAWING

DATE	08-23-06
NAME:	SJA
FILE:	4-0119

Larson & Associates, inc.
Environmental Consultants

Appendix A

Boring Logs

Client: XTO

Project: EMSU # 187

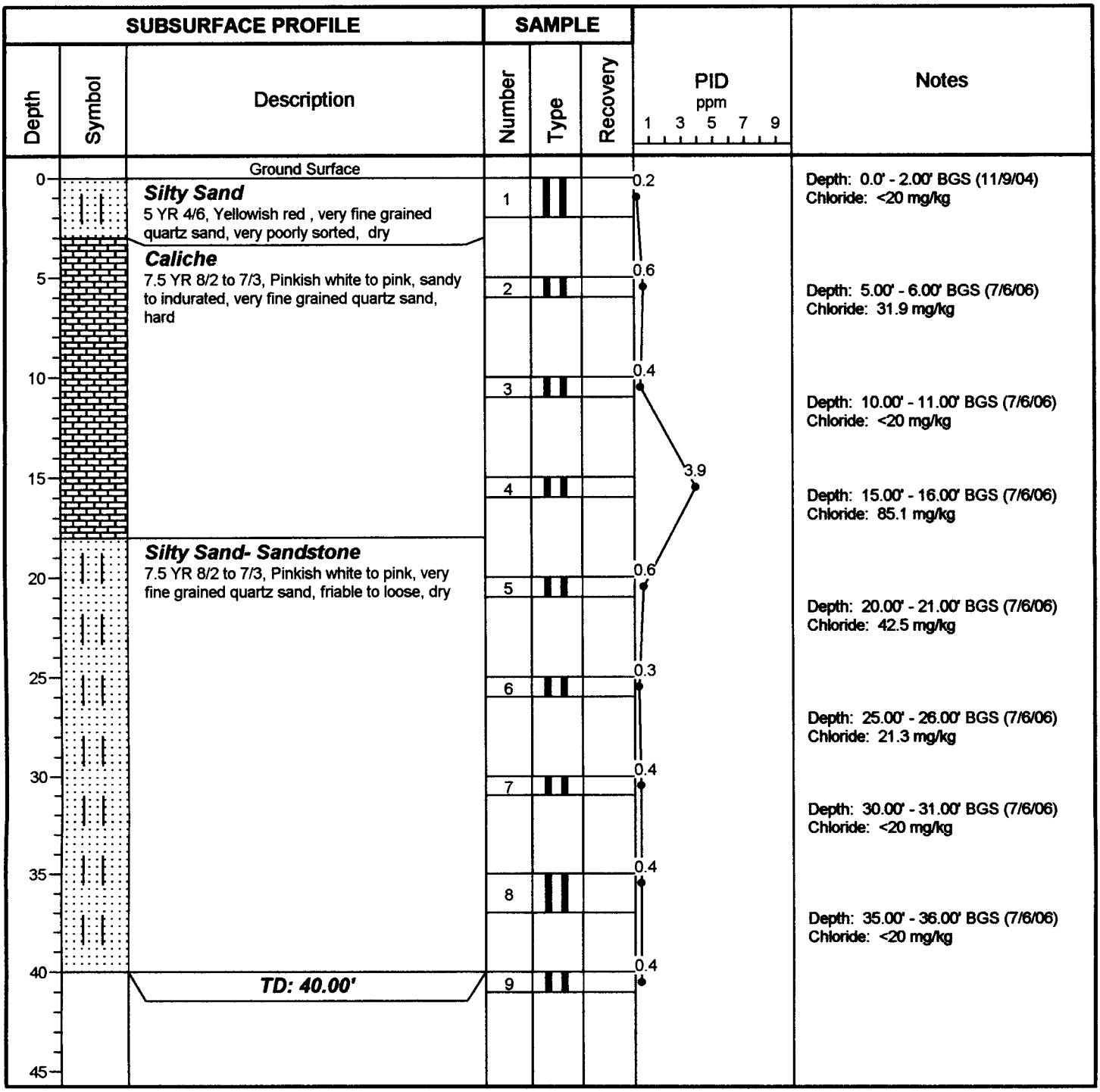
Project No: 4-0119

Location: Lea County, New Mexico

Log: Background

Page: 1 of 1

Geologist: C. Crain/M. Larson



Drill Method: Air Rotary

Drill Date: 7/6/06

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: Scarborough

Client: XTO

Project: EMSU # 187

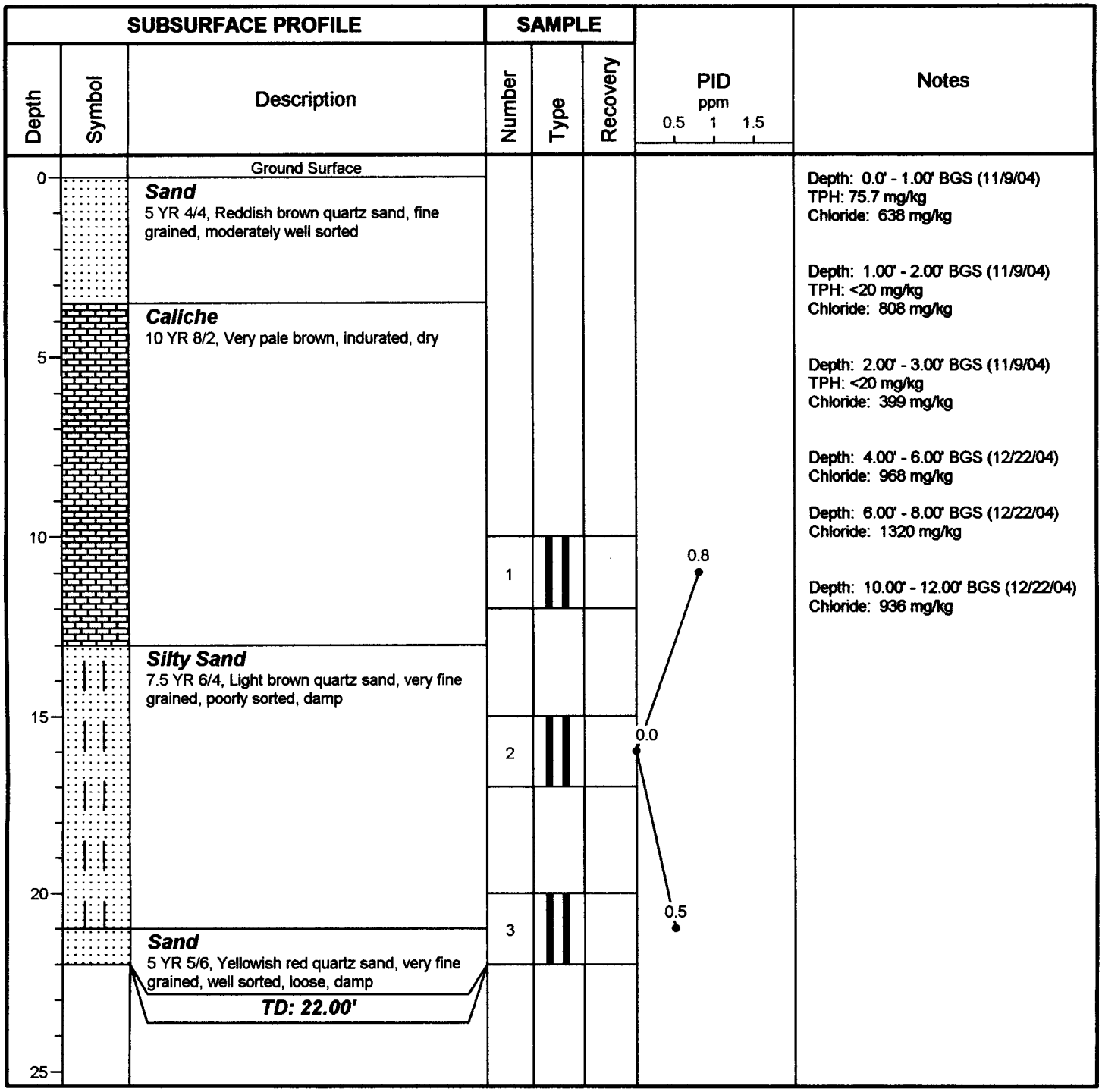
Project No: 4-0119

Location: Lea County, New Mexico

Log: HB-1A

Page: 1 of 1

Geologist: C. Crain



Drill Method: Air Rotary

Drill Date: 4/3/06

Hole Size: 2"

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

Elevation: N/A

Checked by: ML

Drilled by: Scarborough

Client: XTO

Project: EMSU # 187

Project No: 4-0119

Location: Lea County, New Mexico

Log: HB-2A

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					Depth: 0.0' - 1.00' BGS (11/9/04) TPH: 107 mg/kg Chloride: 2800 mg/kg Depth: 1.00' - 2.00' BGS (11/9/04) TPH: 68 mg/kg Chloride: 1300 mg/kg Depth: 2.00' - 3.00' BGS (11/9/04) TPH: <20 mg/kg Chloride: 1130 mg/kg Depth: 5.00' - 7.00' BGS (4/4/04) Chloride: 3470 mg/kg
		Sand 5 YR 4/4, Reddish brown quartz sand, fine grained, moderately well sorted					
5		***Caliche*** 10 YR 8/2, Very pale brown, indurated, dry	1				
10		***Silty Sand*** 7.5 YR 6/4, Light brown quartz sand, very fine grained, poorly sorted, damp	2			0.3	
15		***Sand*** 5 YR 6/6, Yellowish red quartz sand, very fine grained, well sorted, loose, damp	3			0.3	
20			4			0.3	
		TD: 22.00'					
25							

Drill Method: Air Rotary

Drill Date: 4/4/06

Hole Size: 2"

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

Elevation: N/A

Checked by: ML

Drilled by: Scarborough

Client: XTO

Project: EMSU # 187

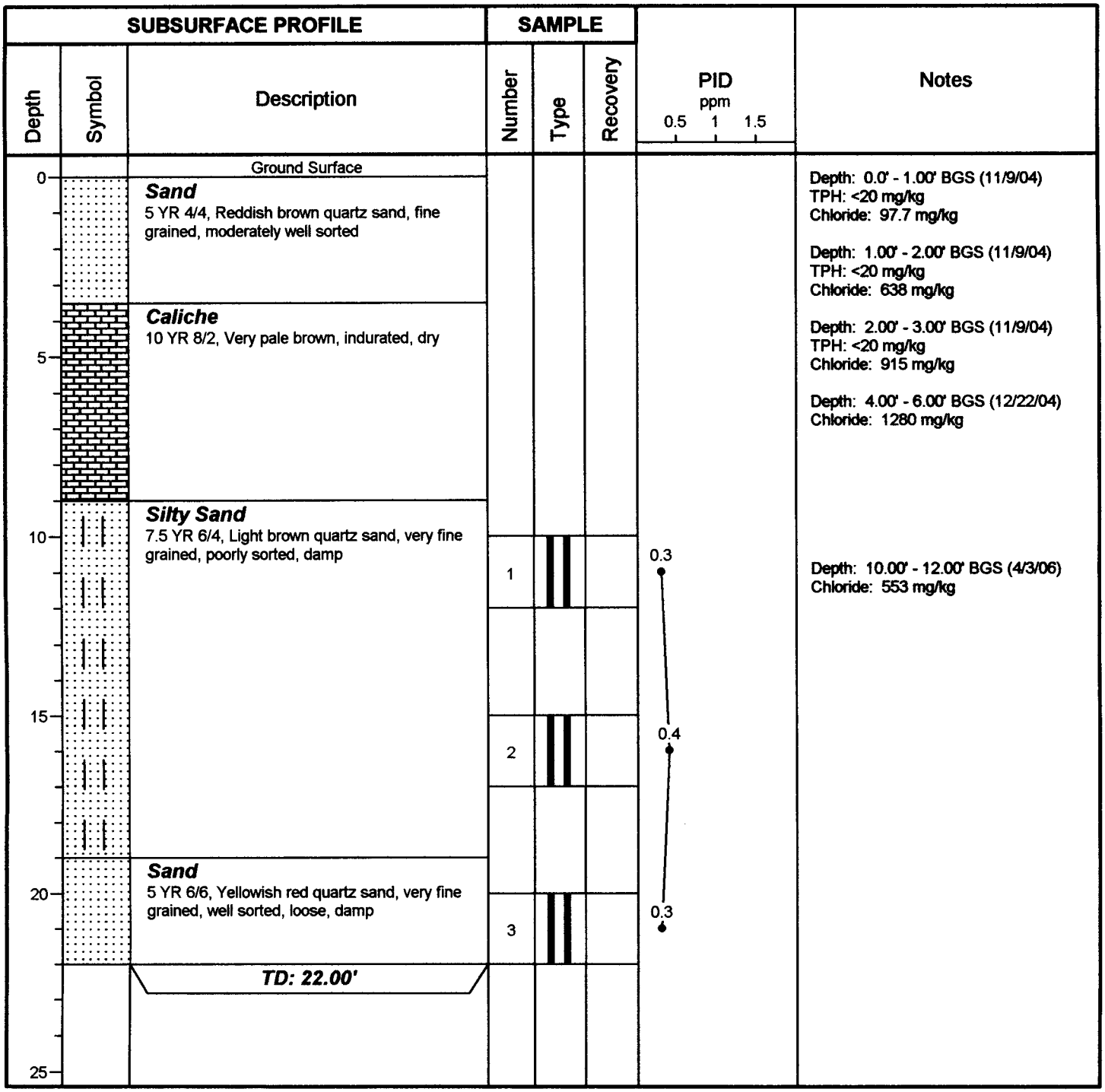
Project No: 4-0119

Location: Lea County, New Mexico

Log: HB-4A

Page: 1 of 1

Geologist: C. Crain



Drill Method: Air Rotary

Drill Date: 4/3/06

Hole Size: 2"

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

Elevation: N/A

Checked by: ML

Drilled by: Scarborough

Client: XTO

Project: EMSU # 187

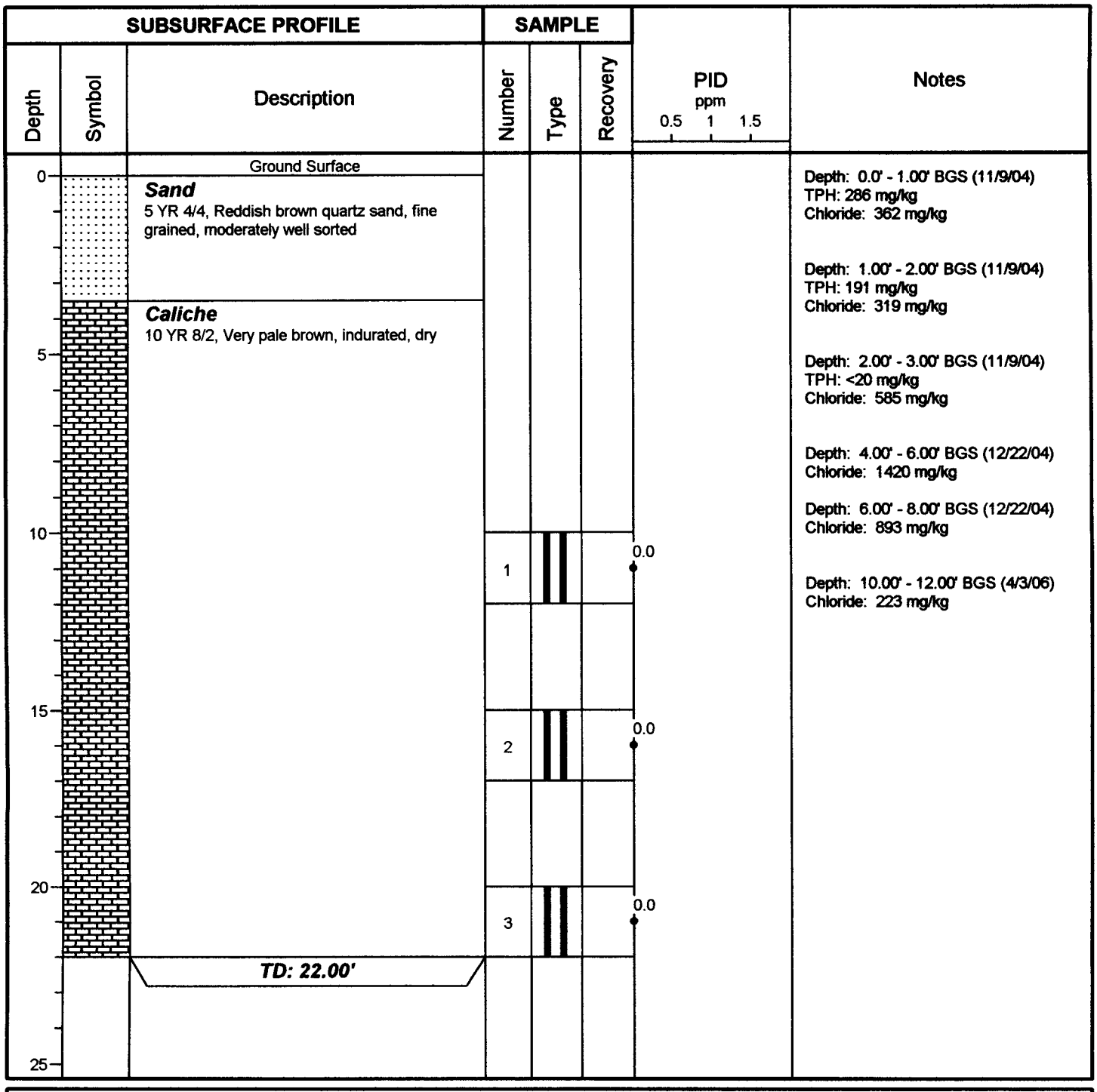
Project No: 4-0119

Location: Lea County, New Mexico

Log: HB-6A

Page: 1 of 1

Geologist: C. Crain



Drill Method: Air Rotary

Drill Date: 4/3/06

Hole Size: 2"

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

Elevation: N/A

Checked by: ML

Drilled by: Scarborough

Client: XTO

Project: EMSU # 187

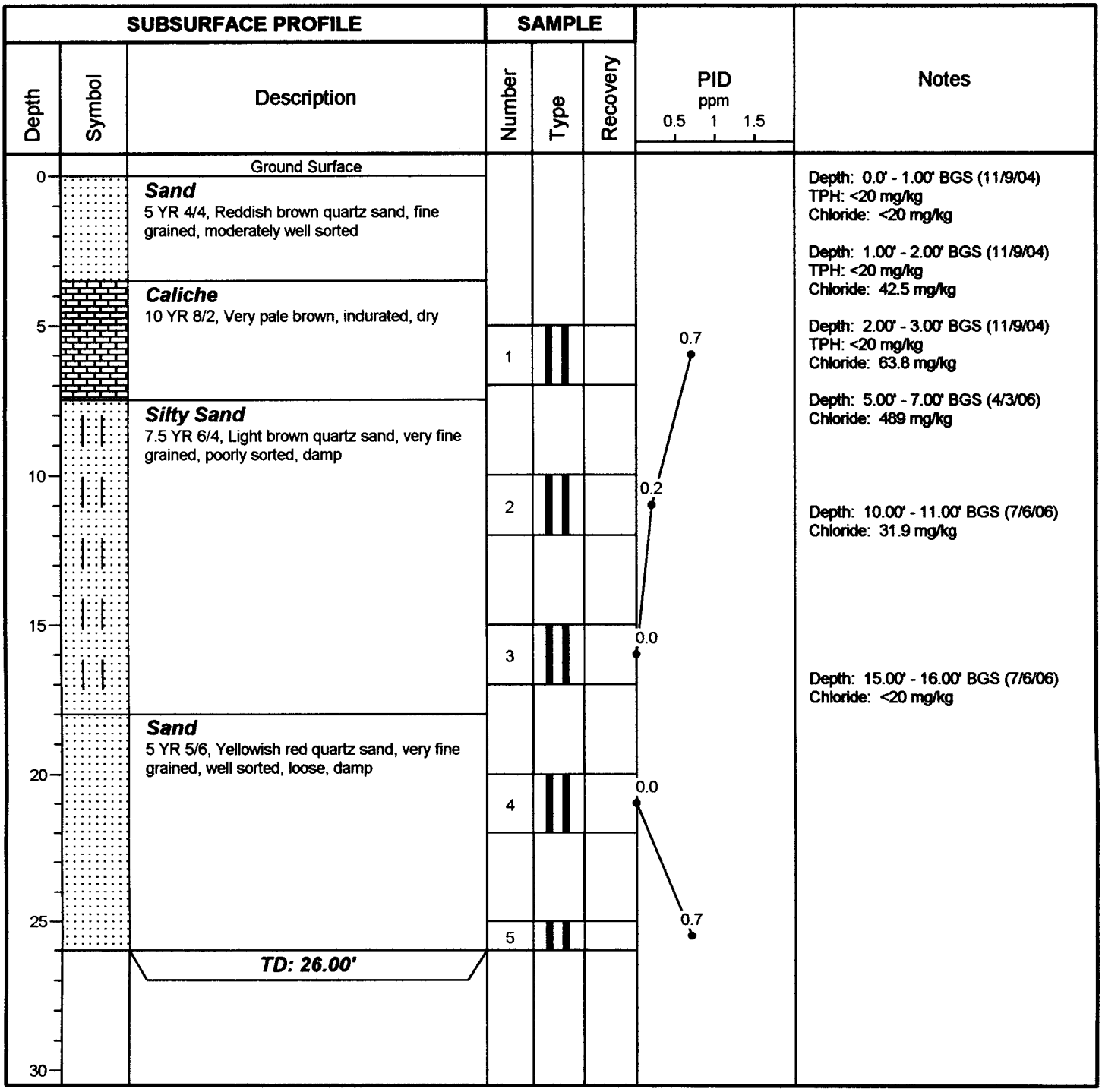
Project No: 4-0119

Location: Lea County, New Mexico

Log: HB-8A

Page: 1 of 1

Geologist: C. Crain/M. Larson



Drill Method: Air Rotary

Drill Date: 4/3/06

Hole Size: 2"

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

Elevation: N/A

Checked by: ML

Drilled by: Scarborough

Client: XTO

Project: EMSU # 187

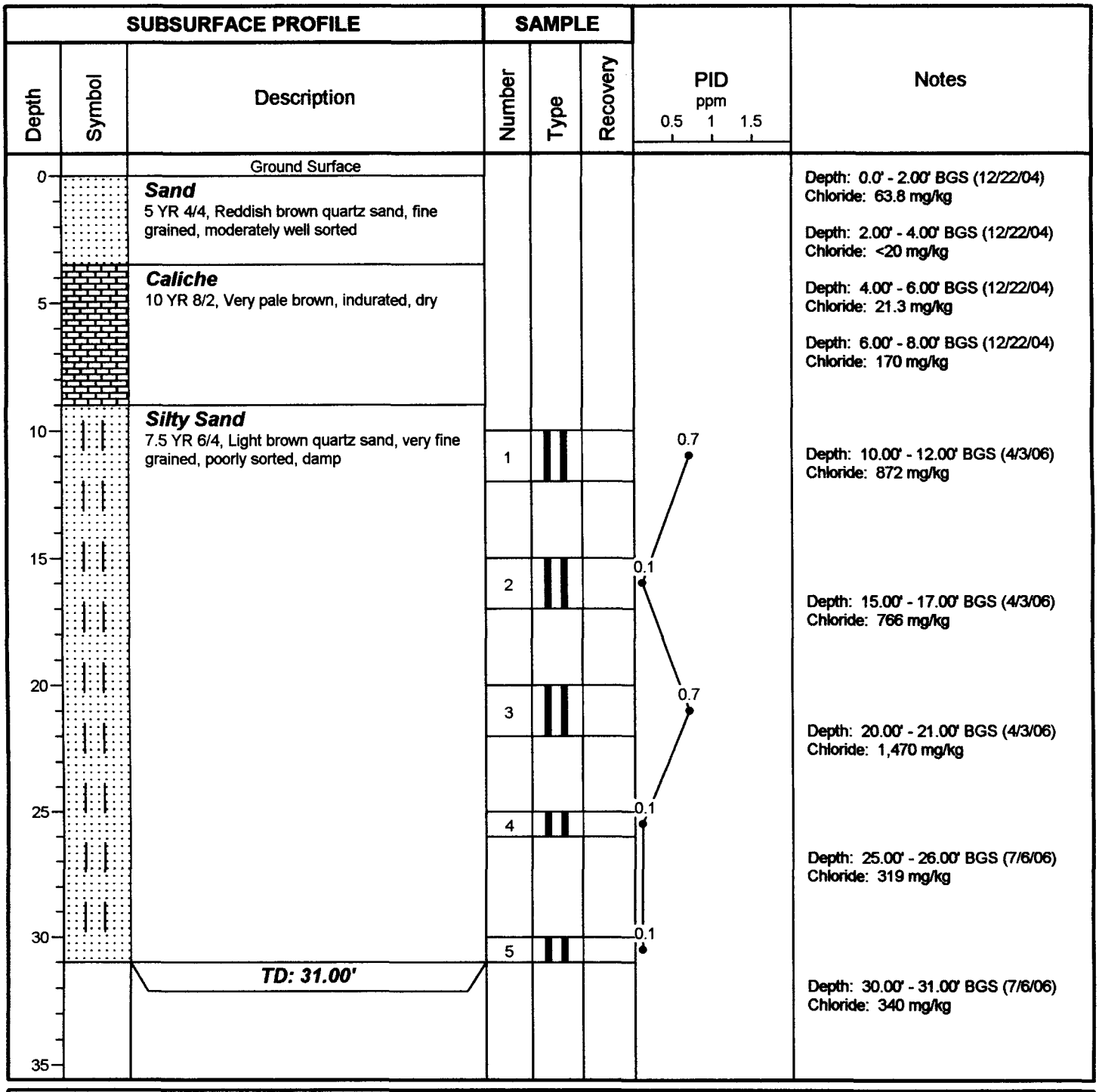
Project No: 4-0119

Location: Lea County, New Mexico

Log: HB-9A

Page: 1 of 1

Geologist: C. Crain/M. Larson



Drill Method: Air Rotary

Drill Date: 4/3/06

Hole Size: 2"

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

Elevation: N/A

Checked by: ML

Drilled by: Scarborough

Client: XTO

Project: EMSU # 187

Project No: 4-0119

Location: Lea County, New Mexico

Log: HB-10A

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 4/4, Reddish brown quartz sand, fine grained, moderately well sorted					Depth: 0.0' - 2.00' BGS (12/22/04) Chloride: <20 mg/kg
							Depth: 2.00' - 4.00' BGS (12/22/04) Chloride: <20 mg/kg
							Depth: 4.00' - 6.00' BGS (12/22/04) Chloride: <20 mg/kg
5		***Caliche*** 10 YR 8/2, Very pale brown, indurated, dry					Depth: 6.00' - 8.00' BGS (12/22/04) Chloride: 31.9 mg/kg
10			1			0.7	Depth: 10.00' - 12.00' BGS (4/3/06) Chloride: 1,070 mg/kg
		Silty Sand 7.5 YR 6/4, Light brown quartz sand, very fine grained, poorly sorted, damp					
15			2			0.4	Depth: 15.00' - 17.00' BGS (4/3/06) Chloride: 1,740 mg/kg
		Sand 5 YR 5/6, Yellowish red quartz sand, very fine grained, well sorted, loose, damp					
20			3			0.3	Depth: 20.00' - 22.00' BGS (4/3/06) Chloride: 959 mg/kg
		TD: 22.00'					
25							

Drill Method: Air Rotary

Drill Date: 4/4/06

Hole Size: 2"

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

Elevation: N/A

Checked by: ML

Drilled by: Scarborough

Client: XTO

Project: EMSU # 187

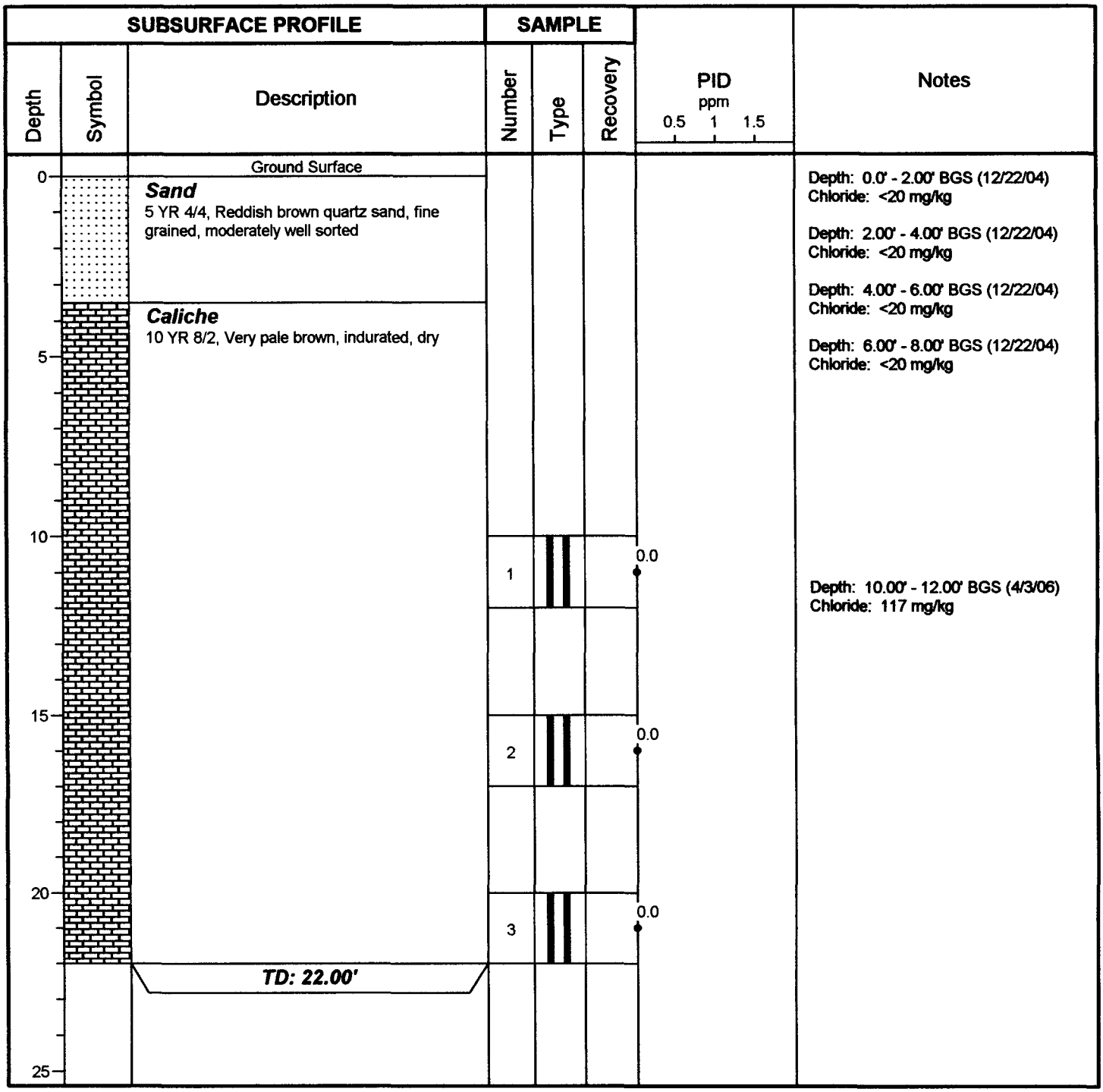
Project No: 4-0119

Location: Lea County, New Mexico

Log: HB-11A

Page: 1 of 1

Geologist: C. Crain



Drill Method: Air Rotary

Drill Date: 4/3/06

Hole Size: 2"

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

Elevation: N/A

Checked by: ML

Drilled by: Scarborough

Client: XTO

Project: EMSU # 187

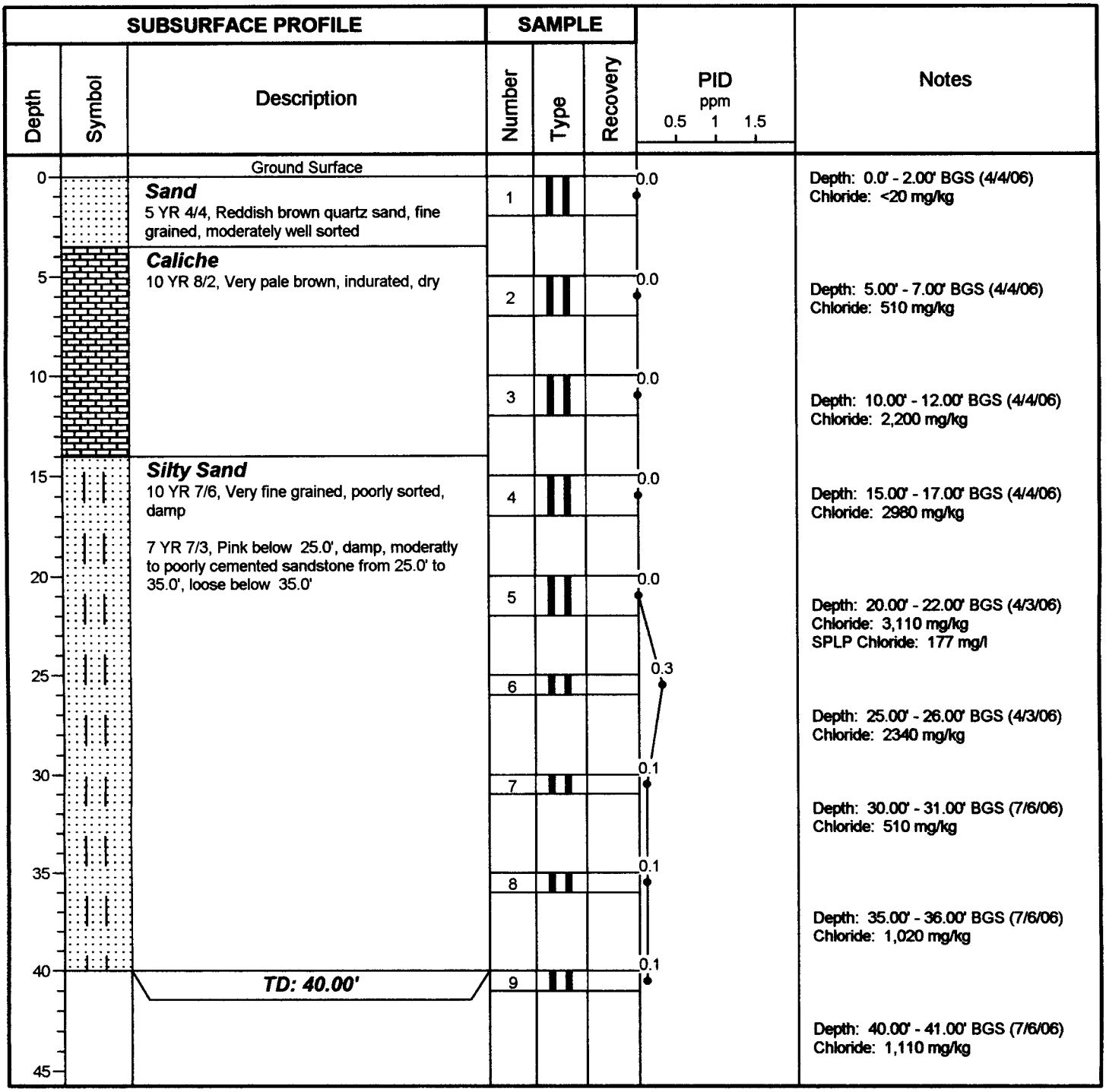
Project No: 4-0119

Location: Lea County, New Mexico

Log: HB-12

Page: 1 of 1

Geologist: C. Crain/M. Larson



Drill Method: Air Rotary

Drill Date: 4/4/06

Hole Size: 2"

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

Elevation: N/A

Checked by: ML

Drilled by: Scarborough

Client: XTO

Project: EMSU # 187

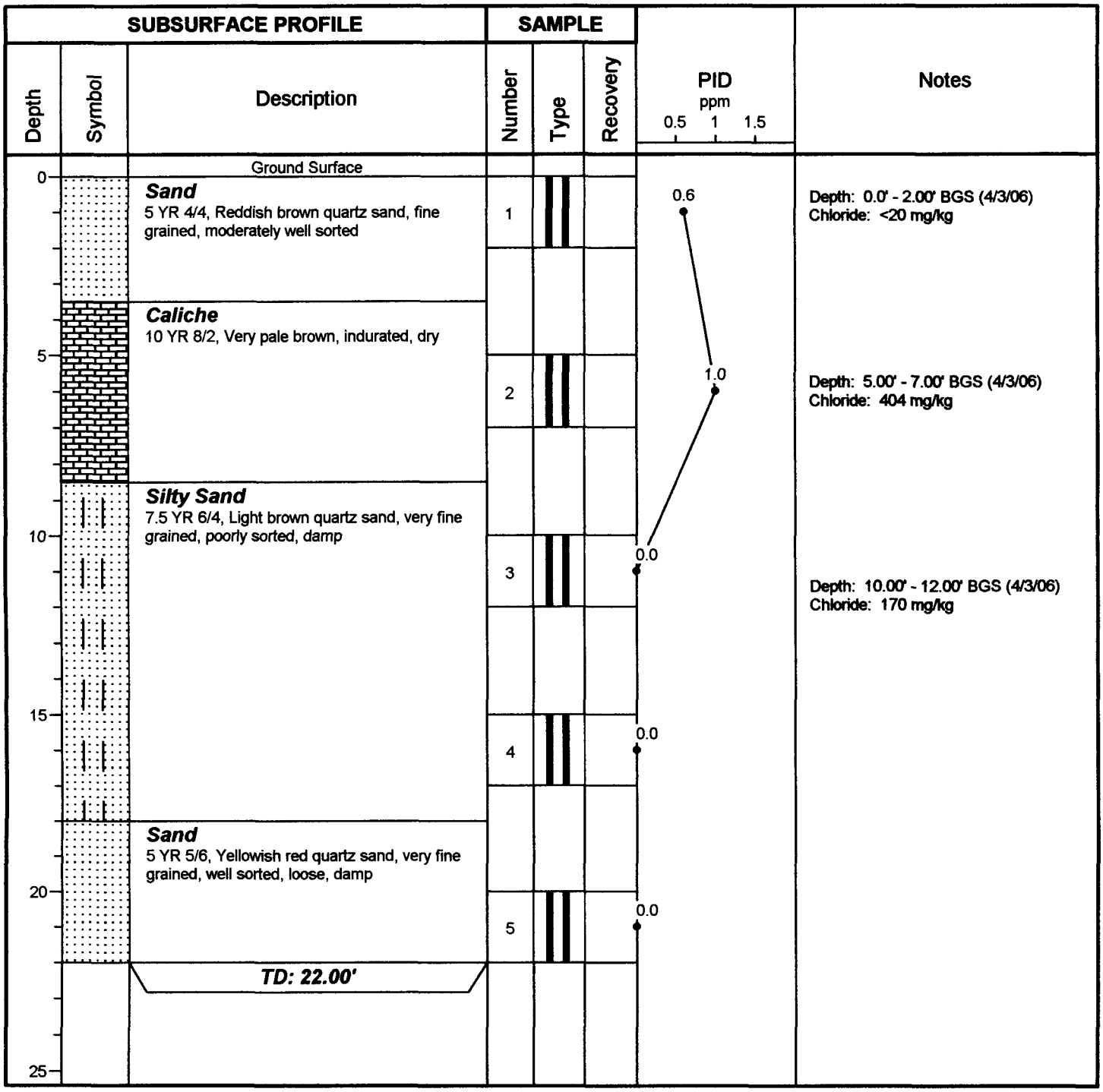
Project No: 4-0119

Location: Lea County, New Mexico

Log: HB-13

Page: 1 of 1

Geologist: C. Crain



Drill Method: Air Rotary

Drill Date: 4/3/06

Hole Size: 2"

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

Elevation: N/A

Checked by: CC

Drilled by: Scarborough

Client: XTO

Project: EMSU # 187

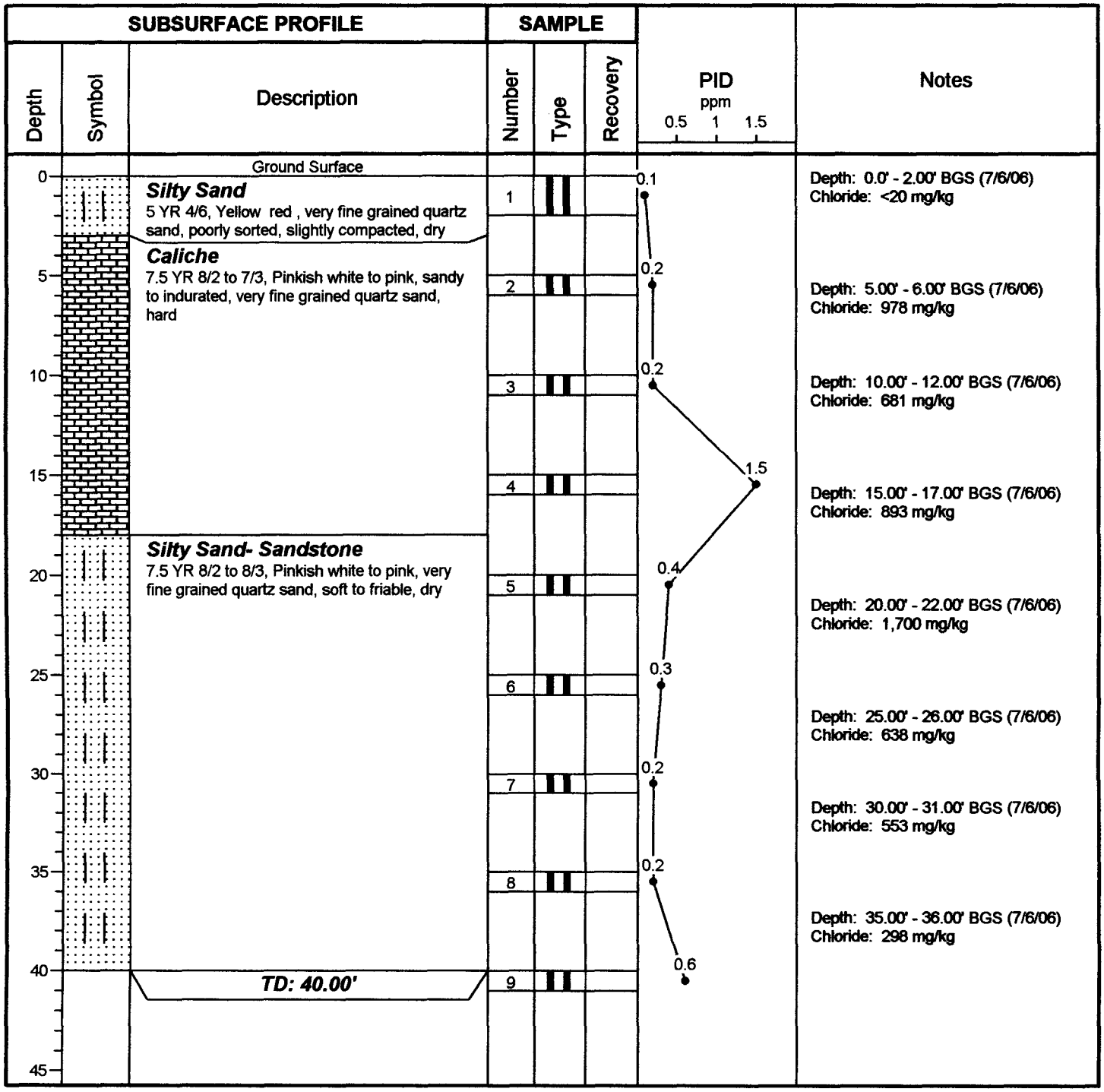
Project No: 4-0119

Location: Lea County, New Mexico

Log: HB-14

Page: 1 of 1

Geologist: M. Larson



Drill Method: Air Rotary

Drill Date: 7/6/06

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: Scarborough

Client: XTO

Project: EMSU # 187

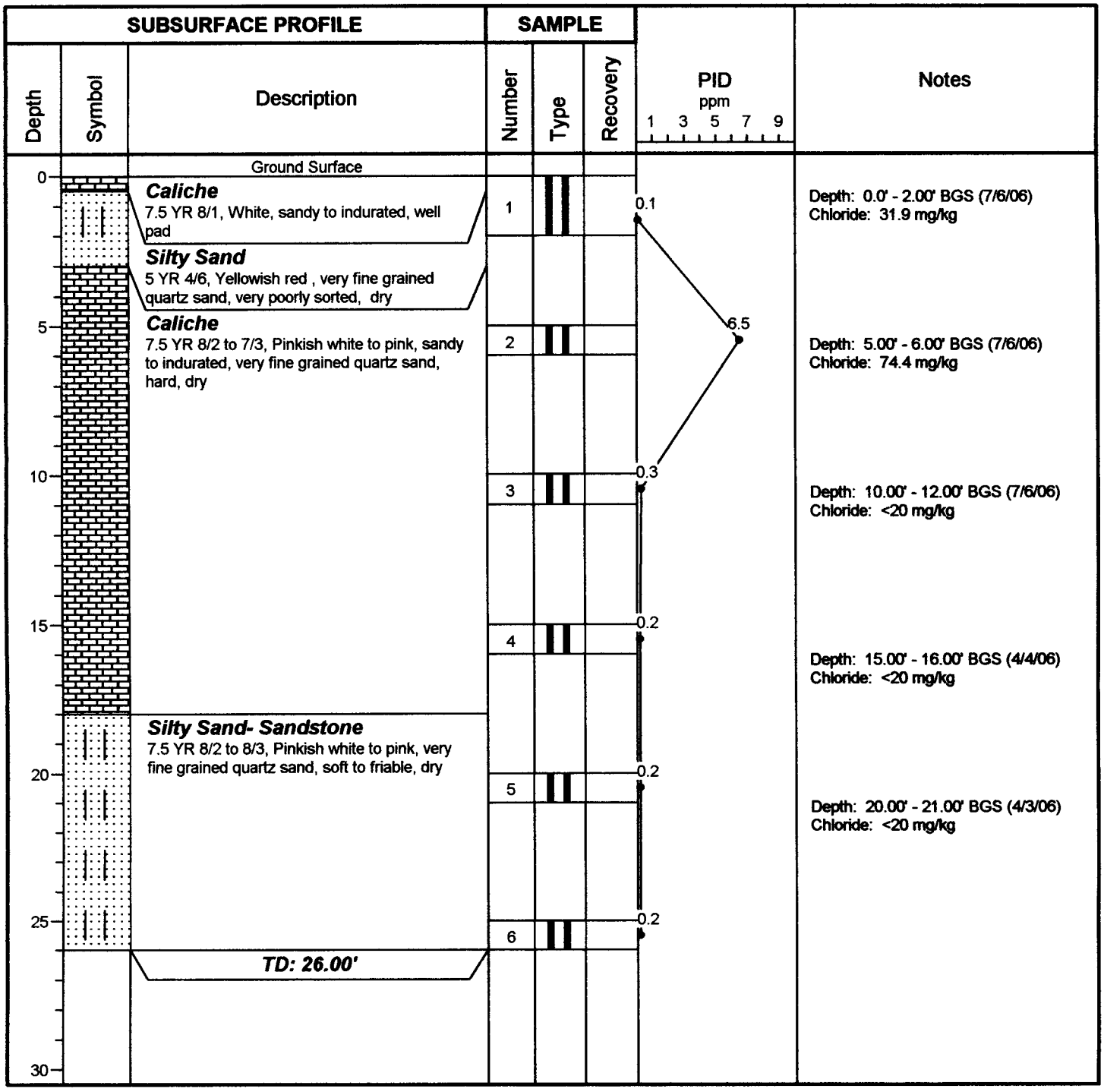
Project No: 4-0119

Location: Lea County, New Mexico

Log: HB-15

Page: 1 of 1

Geologist: M. Larson



Drill Method: Air Rotary

Drill Date: 7/6/06

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: Scarborough

Appendix B

Laboratory Reports

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: XTO/ Well #187

Project Number: 4-0119

Location: None Given

Lab Order Number: 4K10004

Report Date: 11/12/04

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

Client: Larson + Associates

Date/Time: 11-10-04 @ 0945

Order #: 4K 10004

Initials: JMM

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	
Container labels legible and intact?	(Yes)	No	
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:

_____

_____

_____

_____

_____

_____

_____

_____

CHAIN—OF—CUSTODY RECORD

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

CLIENT NAME: XTO

SITE MANAGER: Cindy Graham

PROJECT NO.: 4-0119

PROJECT NAME: Well #187

PAGE 1 OF 2

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)
11/9/04	1010		✓		HB-1 0-1'	1	✓	✓	4K 10004-01	
	1018				1-2'				-02	
	1032				2-3'				-03	
	1049				HB-2 0-1				-04	
	1054				1-2				-05	
	1106				2-3				-06	
	1111				HB-3 0-1				-07	
	1117				1-2				-08	
	1130				2-3				-09	
	1137				HB-4 0-1				-10	
	1140				1-2				-11	
	1248				2-3				-12	
	1252				HB-5 0-1				-13	
	1258				1-2				-14	
	1318				2-3				-15	
	1321				HB-6 0-1'				-16	
	1324				1-2'				-17	
	1330				2-3'				-18	

SAMPLED BY: (Signature) DATE: 11/9/04 TIME: 1430

RELINQUISHED BY: (Signature) DATE: 11/9/04 TIME: 1715

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: Env Lab of Tx
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: Tx ZIP: 79765
CONTACT: PHONE: 563-1800

RECEIVED BY: (Signature) Jeanne McMurry
DATE: 11-09-04 TIME: 1715

SAMPLE CONDITION WHEN RECEIVED:
4oz glass on ice 1.5°C

LA CONTACT PERSON: Cindy Graham

SAMPLE TYPE:

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: XTO

SITE MANAGER: Cindy Crain

PROJECT NO.: 2-0119

PROJECT NAME: Well #187

PAGE 2 OF 2

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH 8015M	Chlorides	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
11/9	1333		✓		HB-7 0-1	1	✓	✓	4K10004-19	
	1338				1-2				-20	
	1343				2-3				-21	
	1354				HB-8 0-1				-22	
	1350				1-2				-23	
	1401				2-3				-24	
	1405				Background 0-1				-25	
	1410				1-2				-26	
	1413				2-3				-27	

SAMPLED BY: (Signature) DATE: 11/9/04 TIME: 1430

RELINQUISHED BY: (Signature) DATE: 11/9/04 TIME: 1715

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: Env. Lab of Tx
ADDRESS: 12600 W I-20 E Ode
CITY: Odessa STATE: TX ZIP: 79765
CONTACT: PHONE: 563-1800

RECEIVED BY: (Signature)
DATE: 11-09-04 TIME: 1715

SAMPLE CONDITION WHEN RECEIVED:
4oz glass on ice 1.5°C

LA CONTACT PERSON: Cindy Crain

SAMPLE TYPE:

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: XTO/ Well #187

Project Number: 4-0119

Location: None Given

Lab Order Number: 4L23002

Report Date: 12/28/04

Larson & Associates, Inc.	Project: XTO/ Well #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	12/28/04 12:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BBH-1 4-6'	4L23002-01	Soil	12/22/04 14:49	12/23/04 08:15
BBH-1 6-8'	4L23002-02	Soil	12/22/04 14:49	12/23/04 08:15
BBH-6 4-6'	4L23002-03	Soil	12/22/04 15:13	12/23/04 08:15
BBH-6 6-8'	4L23002-04	Soil	12/22/04 15:13	12/23/04 08:15
BBH-4 4-6'	4L23002-05	Soil	12/22/04 15:27	12/23/04 08:15
BH-9 0-2'	4L23002-06	Soil	12/22/04 15:40	12/23/04 08:15
BH-9 2-4'	4L23002-07	Soil	12/22/04 15:40	12/23/04 08:15
BH-9 4-6'	4L23002-08	Soil	12/22/04 15:51	12/23/04 08:15
BH-9 6-8'	4L23002-09	Soil	12/22/04 15:51	12/23/04 08:15
BH-10 0-2'	4L23002-10	Soil	12/22/04 16:07	12/23/04 08:15
BH-10 2-4'	4L23002-11	Soil	12/22/04 16:07	12/23/04 08:15
BH-10 4-6'	4L23002-12	Soil	12/22/04 16:18	12/23/04 08:15
BH-10 6-8'	4L23002-13	Soil	12/22/04 16:18	12/23/04 08:15
BH-11 0-2'	4L23002-14	Soil	12/22/04 16:30	12/23/04 08:15
BH-11 2-4'	4L23002-15	Soil	12/22/04 16:30	12/23/04 08:15
BH-11 4-6'	4L23002-16	Soil	12/22/04 16:30	12/23/04 08:15
BH-11 6-8'	4L23002-17	Soil	12/22/04 16:30	12/23/04 08:15

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

Larson & Associates, Inc.	Project: XTO/ Well #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	12/28/04 12:22

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BBH-1 4-6' (4L23002-01) Soil									
Chloride	**968**	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BBH-1 6-8' (4L23002-02) Soil									
Chloride	**1320**	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BBH-6 4-6' (4L23002-03) Soil									
Chloride	**1420**	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BBH-6 6-8' (4L23002-04) Soil									
Chloride	**893**	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BBH-4 4-6' (4L23002-05) Soil									
Chloride	**1280**	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BH-9 0-2' (4L23002-06) Soil									
Chloride	**63.8**	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BH-9 2-4' (4L23002-07) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BH-9 4-6' (4L23002-08) Soil									
Chloride	**21.3**	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BH-9 6-8' (4L23002-09) Soil									
Chloride	**170**	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BH-10 0-2' (4L23002-10) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	

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

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO/ Well #187
Project Number: 4-0119
Project Manager: Cindy Crain

Fax: (432) 687-0456
Reported:
12/28/04 12:22

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-10 2-4' (4L23002-11) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BH-10 4-6' (4L23002-12) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BH-10 6-8' (4L23002-13) Soil									
Chloride	**31.9**	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BH-11 0-2' (4L23002-14) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BH-11 2-4' (4L23002-15) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BH-11 4-6' (4L23002-16) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	
BH-11 6-8' (4L23002-17) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EL42307	12/23/04	12/23/04	SW 846 9253	

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 EL42307 - Water Extraction										
Blank (EL42307-BLK1)				Prepared & Analyzed: 12/23/04						
Chloride	ND	20.0	mg/kg Wet							
Blank (EL42307-BLK2)				Prepared & Analyzed: 12/23/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EL42307-MS1)			Source: 4L22017-02	Prepared & Analyzed: 12/23/04						
Chloride	500	20.0	mg/kg Wet	500	74.4	85.1	80-120			
Matrix Spike (EL42307-MS2)			Source: 4L22017-21	Prepared & Analyzed: 12/23/04						
Chloride	436	20.0	mg/kg Wet	500	0.00	87.2	80-120			
Matrix Spike Dup (EL42307-MSD1)			Source: 4L22017-02	Prepared & Analyzed: 12/23/04						
Chloride	489	20.0	mg/kg Wet	500	74.4	82.9	80-120	2.22	20	
Matrix Spike Dup (EL42307-MSD2)			Source: 4L22017-21	Prepared & Analyzed: 12/23/04						
Chloride	447	20.0	mg/kg Wet	500	0.00	89.4	80-120	2.49	20	
Reference (EL42307-SRM1)				Prepared & Analyzed: 12/23/04						
Chloride	5000		mg/kg	5000		100	80-120			
Reference (EL42307-SRM2)				Prepared & Analyzed: 12/23/04						
Chloride	5000		mg/kg	5000		100	80-120			

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: Celey D. Keene Date: 12/28/04

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

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

CLIENT NAME: XTO

SITE MANAGER: Mark Larson

PROJECT NO.: 4-0119

PROJECT NAME: Well #187

PAGE 1 OF 1

LAB. PO #

PARAMETERS/METHOD NUMBER: Chlorides

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
12/22	1449		✓		BB H-1 4-6'	1	4L23002-01	
	1449				BBH-1 6-8'		-02	
	1513				BBH-6 4-6'		-03	
	1513				BBH-6 6-8'		-04	
	1521				BBH-4 4-6'		-05	
	1540				BH-9 0-2'		-06	
	1540				BH-9 2-4'		-07	
	1551				BH-9 4-6'		-08	
	1551				BH-9 6-8'		-09	
	1607				BH-10 0-2'		-10	
	1607				BH-10 2-4'		-11	
	1618				BH-10 4-6'		-12	
	1618				BH-10 6-8'		-13	
	1630				BH-11 0-2'		-14	
	1630				BH-11 2-4'		-15	
	1630				BH-11 4-6'		-16	
	1630				BH-11 6-8'		-17	

SAMPLED BY: (Signature) Tony Jones DATE: 12/22/04 TIME: 1645

RELINQUISHED BY: (Signature) Tony Jones DATE: 12/23/04 TIME: 0815

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: Stan

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-20E
CITY: Odessa STATE: Tx ZIP: 79765
CONTACT: PHONE: 563-1800

RECEIVED BY: (Signature) Jeanne McMurry
DATE: 12-23-04 TIME: 0815

SAMPLE CONDITION WHEN RECEIVED: -0.5°C 4oz glass on ice

LA CONTACT PERSON: Mark Larson

SAMPLE TYPE:

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

Client: Larson + Associates

Date/Time: 12-23-04 @ 0815

Order #: 4L23002

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	-0.5 C
Shipping container/cooler in good condition?	Yes	No	N/A
Custody Seals intact on shipping container/cooler?	Yes	No	Not present N/A
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	No labels - written on lid
Container labels legible and intact?	Yes	No	No labels - written on lid
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:

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Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

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Corrective Action Taken:

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

Client: Larson + Associates

Date/Time: 12-23-04 @ 0815

Order #: 4L23002

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	-0.5 C
Shipping container/cooler in good condition?	Yes	No	N/A
Custody Seals intact on shipping container/cooler?	Yes	No	Not present N/A
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	No Labels - written on lid
Container labels legible and intact?	Yes	No	No Labels - written on lid
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:

_____

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Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

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Corrective Action Taken:

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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: XTO/ EMSU #187

Project Number: 4-0119

Location: None Given

Lab Order Number: 6D19010

Report Date: 04/24/06

Larson & Associates, Inc.	Project: XTO/ EMSU #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	04/24/06 17:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HB-12 (15-17')	6D19010-01	Soil	04/04/06 10:15	04/05/06 12:20
HB-2A (10-12')	6D19010-02	Soil	04/04/06 10:38	04/05/06 12:20

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

Larson & Associates, Inc.	Project: XTO/ EMSU #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	04/24/06 17:04

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-12 (15-17') (6D19010-01) Soil									
Chloride	**2980**	50.0	mg/kg	100	ED62110	04/21/06	04/21/06	EPA 300.0	
HB-2A (10-12') (6D19010-02) Soil									
Chloride	**2360**	50.0	mg/kg	100	ED62110	04/21/06	04/21/06	EPA 300.0	

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 ED62110 - Water Extraction										
Blank (ED62110-BLK1)				Prepared & Analyzed: 04/21/06						
Chloride	ND	0.500	mg/kg							
LCS (ED62110-BS1)				Prepared & Analyzed: 04/21/06						
Chloride	9.35		mg/L	10.0		93.5	80-120			
Calibration Check (ED62110-CCV1)				Prepared & Analyzed: 04/21/06						
Chloride	8.60		mg/L	10.0		86.0	80-120			
Duplicate (ED62110-DUP1)		**Source: 6D19011-09**		Prepared & Analyzed: 04/21/06						
Chloride	2380	25.0	mg/kg		2450			2.90	20	

Larson & Associates, Inc.	Project: XTO/ EMSU #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	04/24/06 17:04

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: 4-25-06

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: XTO

SITE MANAGER: Cindy Crain

PROJECT NO.: 4 0119

PROJECT NAME: EMSU # 187

PAGE 2 OF 2

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
4/3/06	1420		✓		HB 6A (10-12')	1	✓	(205019-19)	
"	1426		✓		" (15-17')	1		-20	
"	1431		✓		" (20-22')	1		-21	
"	1438		✓		HB 4A (10-12')	1	✓	-22	
"	1502		✓		" (15-17')	1		-23	
"	1506		✓		" (20-22')	1		-24	
4/4/06	0930		✓		HB-10A (10-12')	1	✓	-25	
"	0942		✓		" (15-17')	1		-26	
"	0948		✓		" (20-22')	1		-27	
"	0958		✓		HB-12 (0-2')	1	✓	-28	
"	1004		✓		" (5-7')	1	✓	-29	
"	1009		✓		" (10-12')	1	✓	-30	
"	1015		✓		" (15-17')	1	X	(D 19066-31 (DUP)	
"	1020		✓		" (20-22')	1		-32	
"	1031		✓		HB-2A (5-7')	1	✓	-33	
"	1038		✓		" (10-12')	1	X	-02 -34	
"	1041		✓		" (15-17')	1		-35	
"	1044		✓		" (20-22')	1		-36	

SAMPLED BY: (Signature) Cindy Crain — DATE: 4/4/06 TIME: 1130

RELINQUISHED BY: (Signature) Cindy Crain — DATE: 4/5/06 TIME: 1220

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: X Add Cl⁻ 04-19-06 as per attached e-mail

COPY

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: E-T-C
ADDRESS: ____
CITY: ____ STATE: ____ ZIP: ____
CONTACT: ____ PHONE: ____

RECEIVED BY: (Signature) Carrie Kelly
DATE: 4/5/06 TIME: 12:20

SAMPLE CONDITION WHEN RECEIVED:
9.5 no label / no seal

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

Jeanne McMurrey

From: "Cindy Crain" <cindy@laenvironmental.com>
To: "'Jeanne McMurrey'" <jeanne@elabtexas.com>
Sent: Wednesday, April 19, 2006 10:02 AM
Subject: Request for Additional Analysis

Jeanne,

Would you please run the following two (2) additional samples for Chloride analysis:

Project:	**XTO/EMSU #187**
Project Number:	**4-0119**
Lab Order Number:	**6D05019**
Report Date:	**4/13/06**

- **Sample HB-12 (15-17') Sampled 4/4/06 at 1015**
- **Sample HB-2A (10-12') Sampled 4/4/06 at 1038**

Please give me a call if you have any questions or need additional information.

Thank you,

Cindy K. Crain, P.G.

Larson and Associates, Inc.
507 N. Marienfeld, Ste.202
Midland, TX 79701

office: (432) 687-0901
fax: (432) 687-0456
cell: (432) 556-8665

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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: XTO/ EMSU #187

Project Number: 4-0119

Location: None Given

Lab Order Number: 6D05019

Report Date: 04/28/06

Larson & Associates, Inc.	Project: XTO/ EMSU #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	04/28/06 14:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HB-8A (5-7')	6D05019-01	Soil	04/03/06 10:40	04/05/06 12:20
HB-13 (0-2')	6D05019-05	Soil	04/03/06 12:00	04/05/06 12:20
HB-13 (5-7')	6D05019-06	Soil	04/03/06 12:05	04/05/06 12:20
HB-13 (10-12')	6D05019-07	Soil	04/03/06 12:09	04/05/06 12:20
HB-9A (10-12')	6D05019-10	Soil	04/03/06 12:34	04/05/06 12:20
HB-9A (15-17')	6D05019-11	Soil	04/03/06 12:39	04/05/06 12:20
HB-1A (10-12')	6D05019-13	Soil	04/03/06 13:00	04/05/06 12:20
HB-1A (15-17')	6D05019-14	Soil	04/03/06 13:06	04/05/06 12:20
HB-11A (10-12')	6D05019-16	Soil	04/03/06 13:41	04/05/06 12:20
HB-6A (10-12')	6D05019-19	Soil	04/03/06 14:20	04/05/06 12:20
HB-4A (10-12')	6D05019-22	Soil	04/03/06 14:58	04/05/06 12:20
HB-10A (10-12')	6D05019-25	Soil	04/04/06 09:36	04/05/06 12:20
HB-10A (15-17')	6D05019-26	Soil	04/04/06 09:42	04/05/06 12:20
HB-12 (0-2')	6D05019-28	Soil	04/04/06 09:58	04/05/06 12:20
HB-12 (5-7')	6D05019-29	Soil	04/04/06 10:04	04/05/06 12:20
HB-12 (10-12')	6D05019-30	Soil	04/04/06 10:09	04/05/06 12:20
HB-12 (20-22')	6D05019-32	Soil	04/04/06 10:20	04/05/06 12:20
HB-2A (5-7')	6D05019-33	Soil	04/04/06 10:31	04/05/06 12:20
HB-2A (15-17')	6D05019-35	Soil	04/04/06 10:47	04/05/06 12:20

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

Larson & Associates, Inc.	Project: XTO/ EMSU #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	04/28/06 14:18

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-8A (5-7') (6D05019-01) Soil									
Chloride	**489**	20.0	mg/kg Wet	2	ED61207	04/05/06	04/12/06	SW 846 9253	
HB-13 (0-2') (6D05019-05) Soil									
Chloride	ND	20.0	mg/kg Wet	2	ED61207	04/05/06	04/12/06	SW 846 9253	
HB-13 (5-7') (6D05019-06) Soil									
Chloride	**404**	20.0	mg/kg Wet	2	ED61207	04/05/06	04/12/06	SW 846 9253	
HB-13 (10-12') (6D05019-07) Soil									
Chloride	**170**	20.0	mg/kg Wet	2	ED61207	04/05/06	04/12/06	SW 846 9253	
HB-9A (10-12') (6D05019-10) Soil									
Chloride	**872**	20.0	mg/kg Wet	2	ED61207	04/05/06	04/12/06	SW 846 9253	
HB-9A (15-17') (6D05019-11) Soil									
Chloride	**766**	10.0	mg/kg Wet	2	ED62808	04/27/06	04/28/06	SW 846 9253	
HB-1A (10-12') (6D05019-13) Soil									
Chloride	**936**	20.0	mg/kg Wet	2	ED61207	04/05/06	04/12/06	SW 846 9253	
HB-1A (15-17') (6D05019-14) Soil									
Chloride	**1400**	20.0	mg/kg Wet	2	ED62808	04/27/06	04/28/06	SW 846 9253	
HB-11A (10-12') (6D05019-16) Soil									
Chloride	**117**	20.0	mg/kg Wet	2	ED61207	04/05/06	04/12/06	SW 846 9253	
HB-6A (10-12') (6D05019-19) Soil									
Chloride	**223**	20.0	mg/kg Wet	2	ED61207	04/05/06	04/12/06	SW 846 9253	

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

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-4A (10-12') (6D05019-22) Soil									
Chloride	**553**	20.0	mg/kg Wet	2	ED61209	04/05/06	04/12/06	SW 846 9253	
HB-10A (10-12') (6D05019-25) Soil									
Chloride	**1070**	20.0	mg/kg Wet	2	ED61209	04/05/06	04/12/06	SW 846 9253	
HB-10A (15-17') (6D05019-26) Soil									
Chloride	**1740**	20.0	mg/kg Wet	2	ED62808	04/27/06	04/28/06	SW 846 9253	
HB-12 (0-2') (6D05019-28) Soil									
Chloride	ND	20.0	mg/kg Wet	2	ED61209	04/05/06	04/12/06	SW 846 9253	
HB-12 (5-7') (6D05019-29) Soil									
Chloride	**510**	20.0	mg/kg Wet	2	ED61209	04/05/06	04/12/06	SW 846 9253	
HB-12 (10-12') (6D05019-30) Soil									
Chloride	**2000**	20.0	mg/kg Wet	2	ED61209	04/05/06	04/12/06	SW 846 9253	
HB-12 (20-22') (6D05019-32) Soil									
Chloride	**3110**	20.0	mg/kg Wet	2	ED62808	04/27/06	04/28/06	SW 846 9253	
HB-2A (5-7') (6D05019-33) Soil									
Chloride	**3470**	20.0	mg/kg Wet	2	ED61209	04/05/06	04/12/06	SW 846 9253	
HB-2A (15-17') (6D05019-35) Soil									
Chloride	**681**	20.0	mg/kg Wet	2	ED62808	04/27/06	04/28/06	SW 846 9253	

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 ED61207 - Water Extraction										
Blank (ED61207-BLK1)				Prepared: 04/05/06 Analyzed: 04/12/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (ED61207-BS1)				Prepared & Analyzed: 04/12/06						
Chloride	96.8		mg/kg	100		96.8	80-120			
Matrix Spike (ED61207-MS1)		**Source: 6D04010-01**		Prepared: 04/05/06 Analyzed: 04/12/06						
Chloride	510	20.0	mg/kg Wet	500	0.00	102	80-120			
Matrix Spike Dup (ED61207-MSD1)		**Source: 6D04010-01**		Prepared: 04/05/06 Analyzed: 04/12/06						
Chloride	500	20.0	mg/kg Wet	500	0.00	100	80-120	1.98	20	
Reference (ED61207-SRM1)				Prepared & Analyzed: 04/12/06						
Chloride	5050		mg/kg	5000		101	80-120			
Batch ED61209 - Water Extraction										
Blank (ED61209-BLK1)				Prepared: 04/05/06 Analyzed: 04/12/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (ED61209-BS1)				Prepared & Analyzed: 04/12/06						
Chloride	95.7		mg/kg	100		95.7	80-120			
Matrix Spike (ED61209-MS1)		**Source: 6D05019-22**		Prepared: 04/05/06 Analyzed: 04/12/06						
Chloride	1060	20.0	mg/kg Wet	500	553	101	80-120			
Matrix Spike Dup (ED61209-MSD1)		**Source: 6D05019-22**		Prepared: 04/05/06 Analyzed: 04/12/06						
Chloride	1050	20.0	mg/kg Wet	500	553	99.4	80-120	0.948	20	

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 ED61209 - Water Extraction										
Reference (ED61209-SRM1)				Prepared & Analyzed: 04/12/06						
Chloride	4890		mg/kg	5000		97.8	80-120			
Batch ED62808 - Water Extraction										
Blank (ED62808-BLK1)				Prepared: 04/27/06 Analyzed: 04/28/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (ED62808-BS1)				Prepared & Analyzed: 04/28/06						
Chloride	92.5		mg/kg	100		92.5	80-120			
Matrix Spike (ED62808-MS1)		**Source: 6D05019-11**		Prepared: 04/27/06 Analyzed: 04/28/06						
Chloride	2960		mg/kg	2000	766	110	80-120			
Matrix Spike Dup (ED62808-MSD1)		**Source: 6D05019-11**		Prepared: 04/27/06 Analyzed: 04/28/06						
Chloride	2980		mg/kg	2000	766	111	80-120	0.673	20	
Reference (ED62808-SRM1)				Prepared & Analyzed: 04/28/06						
Chloride	4950		mg/kg	5000		99.0	80-120			

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: Celey D. Keene Date: 04/28/06

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.

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

ient: Larson

ate/Time: 4/5/06 12:20

rder #: ED05019

itials: CK

Sample Receipt Checklist

emperature of container/cooler?	Yes	No	4.5 C
hipping container/cooler in good condition?	~~Yes~~	No	
ustody Seals intact on shipping container/cooler?	Yes	No	Not present
ustody Seals intact on sample bottles?	Yes	No	~~Not present~~
hain of custody present?	~~Yes~~	No	
ample Instructions complete on Chain of Custody?	~~Yes~~	No	
hain of Custody signed when relinquished and received?	~~Yes~~	No	
hain of custody agrees with sample label(s)	Yes	No	ID on jar
ontainer labels legible and intact?	Yes	No	n/a
ample Matrix and properties same as on chain of custody?	~~Yes~~	No	
amples in proper container/bottle?	~~Yes~~	No	
amples properly preserved?	~~Yes~~	No	
amcle bottles intact?	~~Yes~~	No	
reservations documented on Chain of Custody?	~~Yes~~	No	
ontainers documented on Chain of Custody?	~~Yes~~	No	
ufficient sample amount for indicated test?	~~Yes~~	No	
ll samples received within sufficient hold time?	~~Yes~~	No	
OC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

Jeanne McMurrey

From: "Cindy Crain" <cindy@laenvironmental.com>
To: "'Jeanne McMurrey'" <jeanne@elabtexas.com>
Sent: Thursday, April 27, 2006 9:56 AM
Subject: Request for Additional Soil Analysis

Jeanne,

Would you please run the following five (5) additional samples for Chloride analysis:

Project: XTO/EMSU #187
Project Number: 4-0119
Lab Order Number: 6D05019
Report Date: 4/13/06

- Sample HB-9A (15-17') Sampled 4/3/06 at 1239
- Sample HB-10A (15-17') Sampled 4/4/06 at 0942
- Sample HB-12 (20-22') Sampled 4/4/06 at 1020
- Sample HB-2A (15-17') Sampled 4/4/06 at 1047
- Sample HB-1A (15-17') Sampled 4/3/06 at 1306

Please give me a call if you have any questions or need additional information.

Thank you,

Cindy K. Crain, P.G.

Larson and Associates, Inc.
507 N. Marienfeld, Ste.202
Midland, TX 79701

office: (432) 687-0901
fax: (432) 687-0456
cell: (432) 556-8665

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Larson & Associates, Inc.	Project: XTO/ Well #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	11/12/04 16:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HB-1 0-1'	4K10004-01	Soil	11/09/04 10:10	11/09/04 17:15
HB-1 1-2'	4K10004-02	Soil	11/09/04 10:18	11/09/04 17:15
HB-1 2-3'	4K10004-03	Soil	11/09/04 10:32	11/09/04 17:15
HB-2 0-1'	4K10004-04	Soil	11/09/04 10:49	11/09/04 17:15
HB-2 1-2'	4K10004-05	Soil	11/09/04 10:54	11/09/04 17:15
HB-2 2-3'	4K10004-06	Soil	11/09/04 11:06	11/09/04 17:15
HB-3 0-1'	4K10004-07	Soil	11/09/04 11:11	11/09/04 17:15
HB-3 1-2'	4K10004-08	Soil	11/09/04 11:17	11/09/04 17:15
HB-3 2-3'	4K10004-09	Soil	11/09/04 11:30	11/09/04 17:15
HB-4 0-1'	4K10004-10	Soil	11/09/04 11:37	11/09/04 17:15
HB-4 1-2'	4K10004-11	Soil	11/09/04 11:40	11/09/04 17:15
HB-4 2-3'	4K10004-12	Soil	11/09/04 12:48	11/09/04 17:15
HB-5 0-1'	4K10004-13	Soil	11/09/04 12:52	11/09/04 17:15
HB-5 1-2'	4K10004-14	Soil	11/09/04 12:58	11/09/04 17:15
HB-5 2-3'	4K10004-15	Soil	11/09/04 13:18	11/09/04 17:15
HB-6 0-1'	4K10004-16	Soil	11/09/04 13:21	11/09/04 17:15
HB-6 1-2'	4K10004-17	Soil	11/09/04 13:24	11/09/04 17:15
HB-6 2-3'	4K10004-18	Soil	11/09/04 13:38	11/09/04 17:15
HB-7 0-1'	4K10004-19	Soil	11/09/04 13:33	11/09/04 17:15
HB-7 1-2'	4K10004-20	Soil	11/09/04 13:38	11/09/04 17:15
HB-7 2-3'	4K10004-21	Soil	11/09/04 13:43	11/09/04 17:15
HB-8 0-1'	4K10004-22	Soil	11/09/04 13:54	11/09/04 17:15
HB-8 1-2'	4K10004-23	Soil	11/09/04 13:58	11/09/04 17:15
HB-8 2-3'	4K10004-24	Soil	11/09/04 14:01	11/09/04 17:15
Background 0-1'	4K10004-25	Soil	11/09/04 14:05	11/09/04 17:15
Background 1-2'	4K10004-26	Soil	11/09/04 14:10	11/09/04 17:15
Background 2-3'	4K10004-27	Soil	11/09/04 14:13	11/09/04 17:15

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-1 0-1' (4K10004-01) Soil									
Gasoline Range Organics C6-C12	**J [9.70]**	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	J
Diesel Range Organics >C12-C35	**66.0**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**66.0**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*125 %*	*70-130*		"	"	"	"	
HB-1 1-2' (4K10004-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*123 %*	*70-130*		"	"	"	"	
HB-1 2-3' (4K10004-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*117 %*	*70-130*		"	"	"	"	
HB-2 0-1' (4K10004-04) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	**107**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**107**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*117 %*	*70-130*		"	"	"	"	
HB-2 1-2' (4K10004-05) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	**68.0**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**68.0**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*116 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-2 2-3' (4K10004-06) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	
HB-3 0-1' (4K10004-07) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*92.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
HB-3 1-2' (4K10004-08) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
HB-3 2-3' (4K10004-09) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*99.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	
HB-4 0-1' (4K10004-10) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*119 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-4 1-2' (4K10004-11) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*118 %*	*70-130*		"	"	"	"	
HB-4 2-3' (4K10004-12) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*116 %*	*70-130*		"	"	"	"	
HB-5 0-1' (4K10004-13) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
HB-5 1-2' (4K10004-14) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
HB-5 2-3' (4K10004-15) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*111 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-6 0-1' (4K10004-16) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	**286**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**286**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	
HB-6 1-2' (4K10004-17) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/10/04	EPA 8015M	
Diesel Range Organics >C12-C35	**191**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**191**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*89.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.8 %*	*70-130*		"	"	"	"	
HB-6 2-3' (4K10004-18) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*100 %*	*70-130*		"	"	"	"	
HB-7 0-1' (4K10004-19) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*110 %*	*70-130*		"	"	"	"	
HB-7 1-2' (4K10004-20) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	**142**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**142**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*90.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.4 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-7 2-3' (4K10004-21) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*89.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*103 %*	*70-130*		"	"	"	"	
HB-8 0-1' (4K10004-22) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
HB-8 1-2' (4K10004-23) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*71.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*77.6 %*	*70-130*		"	"	"	"	
HB-8 2-3' (4K10004-24) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.6 %*	*70-130*		"	"	"	"	
Background 0-1' (4K10004-25) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*82.0 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Background 1-2' (4K10004-26) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*88.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*100 %*	*70-130*		"	"	"	"	
Background 2-3' (4K10004-27) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK40906	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*93.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*110 %*	*70-130*		"	"	"	"	

Larson & Associates, Inc.	Project: XTO/ Well #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	11/12/04 16:01

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-1 0-1' (4K10004-01) Soil									
Chloride	**638**	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**7.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-1 1-2' (4K10004-02) Soil									
Chloride	**808**	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**11.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-1 2-3' (4K10004-03) Soil									
Chloride	**399**	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**10.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-2 0-1' (4K10004-04) Soil									
Chloride	**2800**	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**8.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-2 1-2' (4K10004-05) Soil									
Chloride	**1300**	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**5.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-2 2-3' (4K10004-06) Soil									
Chloride	**1130**	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**7.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-3 0-1' (4K10004-07) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**3.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-3 1-2' (4K10004-08) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**6.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	

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General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-3 2-3' (4K10004-09) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**5.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-4 0-1' (4K10004-10) Soil									
Chloride	**97.7**	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**11.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-4 1-2' (4K10004-11) Soil									
Chloride	**638**	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**11.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-4 2-3' (4K10004-12) Soil									
Chloride	**915**	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**12.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-5 0-1' (4K10004-13) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**6.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-5 1-2' (4K10004-14) Soil									
Chloride	**31.9**	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**14.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-5 2-3' (4K10004-15) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**11.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-6 0-1' (4K10004-16) Soil									
Chloride	**362**	20.0	mg/kg Wet	2	EK41208	11/10/04	11/11/04	SW 846 9253	
% Moisture	**2.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-6 1-2' (4K10004-17) Soil									
Chloride	**319**	20.0	mg/kg Wet	2	EK41209	11/10/04	11/11/04	SW 846 9253	
% Moisture	**4.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-6 2-3' (4K10004-18) Soil									
Chloride	**585**	20.0	mg/kg Wet	2	EK41209	11/10/04	11/11/04	SW 846 9253	
% Moisture	**6.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-7 0-1' (4K10004-19) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41209	11/10/04	11/11/04	SW 846 9253	
% Moisture	**10.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-7 1-2' (4K10004-20) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41209	11/10/04	11/11/04	SW 846 9253	
% Moisture	**12.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-7 2-3' (4K10004-21) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41209	11/10/04	11/11/04	SW 846 9253	
% Moisture	**12.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-8 0-1' (4K10004-22) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41209	11/10/04	11/11/04	SW 846 9253	
% Moisture	**4.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-8 1-2' (4K10004-23) Soil									
Chloride	**42.5**	20.0	mg/kg Wet	2	EK41209	11/10/04	11/11/04	SW 846 9253	
% Moisture	**6.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
HB-8 2-3' (4K10004-24) Soil									
Chloride	**63.8**	20.0	mg/kg Wet	2	EK41209	11/10/04	11/11/04	SW 846 9253	
% Moisture	**7.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Background 0-1' (4K10004-25) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41209	11/10/04	11/11/04	SW 846 9253	
% Moisture	**3.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
Background 1-2' (4K10004-26) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41209	11/10/04	11/11/04	SW 846 9253	
% Moisture	**8.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
Background 2-3' (4K10004-27) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41209	11/10/04	11/11/04	SW 846 9253	
% Moisture	**7.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	

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 EK40906 - Solvent Extraction (GC)										
Blank (EK40906-BLK1)				Prepared: 11/09/04 Analyzed: 11/10/04						
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	*38.4*		*mg/kg*	*50.0*		*76.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.4*		*"*	*50.0*		*90.8*	*70-130*			
Blank (EK40906-BLK2)				Prepared & Analyzed: 11/10/04						
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	*38.3*		*mg/kg*	*50.0*		*76.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.3*		*"*	*50.0*		*88.6*	*70-130*			
LCS (EK40906-BS1)				Prepared: 11/09/04 Analyzed: 11/10/04						
Gasoline Range Organics C6-C12	439		mg/kg	500		87.8	75-125			
Diesel Range Organics >C12-C35	523		"	500		105	75-125			
Total Hydrocarbon C6-C35	962		"	1000		96.2	75-125			
Surrogate: 1-Chlorooctane	*49.1*		*"*	*50.0*		*98.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.2*		*"*	*50.0*		*94.4*	*70-130*			
LCS (EK40906-BS2)				Prepared & Analyzed: 11/10/04						
Gasoline Range Organics C6-C12	447	10.0	mg/kg wet	500		89.4	75-125			
Diesel Range Organics >C12-C35	530	10.0	"	500		106	75-125			
Total Hydrocarbon C6-C35	977	10.0	"	1000		97.7	75-125			
Surrogate: 1-Chlorooctane	*49.8*		*mg/kg*	*50.0*		*99.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.1*		*"*	*50.0*		*98.2*	*70-130*			
Calibration Check (EK40906-CCV1)				Prepared: 11/09/04 Analyzed: 11/10/04						
Gasoline Range Organics C6-C12	527		mg/kg	500		105	80-120			
Diesel Range Organics >C12-C35	561		"	500		112	80-120			
Total Hydrocarbon C6-C35	1090		"	1000		109	80-120			
Surrogate: 1-Chlorooctane	*57.0*		*"*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.7*		*"*	*50.0*		*115*	*70-130*			

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 EK40906 - Solvent Extraction (GC)										
Calibration Check (EK40906-CCV2)				Prepared & Analyzed: 11/10/04						
Gasoline Range Organics C6-C12	497		mg/kg	500		99.4	80-120			
Diesel Range Organics >C12-C35	559		"	500		112	80-120			
Total Hydrocarbon C6-C35	1060		"	1000		106	80-120			
Surrogate: 1-Chlorooctane	*53.8*		*"*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*55.0*		*"*	*50.0*		*110*	*70-130*			
Matrix Spike (EK40906-MS1)		**Source: 4K10004-05**		Prepared & Analyzed: 11/10/04						
Gasoline Range Organics C6-C12	548	10.0	mg/kg dry	526	ND	104	75-125			
Diesel Range Organics >C12-C35	648	10.0	"	526	68.0	110	75-125			
Total Hydrocarbon C6-C35	1200	10.0	"	1050	68.0	108	75-125			
Surrogate: 1-Chlorooctane	*63.6*		*mg/kg*	*50.0*		*127*	*70-130*			
Surrogate: 1-Chlorooctadecane	*62.7*		*"*	*50.0*		*125*	*70-130*			
Matrix Spike (EK40906-MS2)		**Source: 4K10004-15**		Prepared & Analyzed: 11/10/04						
Gasoline Range Organics C6-C12	572	10.0	mg/kg dry	562	ND	102	75-125			
Diesel Range Organics >C12-C35	628	10.0	"	562	ND	112	75-125			
Total Hydrocarbon C6-C35	1200	10.0	"	1120	ND	107	75-125			
Surrogate: 1-Chlorooctane	*52.7*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.6*		*"*	*50.0*		*103*	*70-130*			
Matrix Spike Dup (EK40906-MSD1)		**Source: 4K10004-05**		Prepared & Analyzed: 11/10/04						
Gasoline Range Organics C6-C12	537	10.0	mg/kg dry	526	ND	102	75-125	2.03	20	
Diesel Range Organics >C12-C35	661	10.0	"	526	68.0	113	75-125	1.99	20	
Total Hydrocarbon C6-C35	1200	10.0	"	1050	68.0	108	75-125	0.00	20	
Surrogate: 1-Chlorooctane	*61.2*		*mg/kg*	*50.0*		*122*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.1*		*"*	*50.0*		*114*	*70-130*			
Matrix Spike Dup (EK40906-MSD2)		**Source: 4K10004-15**		Prepared & Analyzed: 11/10/04						
Gasoline Range Organics C6-C12	569	10.0	mg/kg dry	562	ND	101	75-125	0.526	20	
Diesel Range Organics >C12-C35	625	10.0	"	562	ND	111	75-125	0.479	20	
Total Hydrocarbon C6-C35	1190	10.0	"	1120	ND	106	75-125	0.837	20	
Surrogate: 1-Chlorooctane	*54.7*		*mg/kg*	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.5*		*"*	*50.0*		*103*	*70-130*			

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 EK41101 - General Preparation (Prep)										
Blank (EK41101-BLK1)				Prepared: 11/10/04 Analyzed: 11/11/04						
% Moisture	0.0		%							
Duplicate (EK41101-DUP1)		**Source: 4K10004-01**		Prepared: 11/10/04 Analyzed: 11/11/04						
% Moisture	7.0		%		7.0			0.00	20	
Batch EK41208 - Water Extraction										
Blank (EK41208-BLK1)				Prepared: 11/09/04 Analyzed: 11/11/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EK41208-MS1)		**Source: 4K09008-01**		Prepared: 11/09/04 Analyzed: 11/11/04						
Chloride	2140	20.0	mg/kg Wet	500	1630	102	80-120			
Matrix Spike Dup (EK41208-MSD1)		**Source: 4K09008-01**		Prepared: 11/09/04 Analyzed: 11/11/04						
Chloride	2150	20.0	mg/kg Wet	500	1630	104	80-120	0.466	20	
Reference (EK41208-SRM1)				Prepared & Analyzed: 11/11/04						
Chloride	5000		mg/kg	5000		100	80-120			
Batch EK41209 - Water Extraction										
Blank (EK41209-BLK1)				Prepared: 11/10/04 Analyzed: 11/11/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EK41209-MS1)		**Source: 4K10004-17**		Prepared: 11/10/04 Analyzed: 11/11/04						
Chloride	808	20.0	mg/kg Wet	500	319	97.8	80-120			

Larson & Associates, Inc.	Project: XTO/ Well #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	11/12/04 16:01

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 EK41209 - Water Extraction										
Matrix Spike Dup (EK41209-MSD1)	**Source: 4K10004-17**			Prepared: 11/10/04 Analyzed: 11/11/04						
Chloride	819	20.0	mg/kg Wet	500	319	100	80-120	1.35	20	
Reference (EK41209-SRM1)				Prepared & Analyzed: 11/11/04						
Chloride	5000		mg/kg	5000		100	80-120			

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Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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: 11-15-04

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: XTO

SITE MANAGER: Cindy Crain

PROJECT NO.: 4-0119

PROJECT NAME: EMSU # 187

PAGE 1 OF 2

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
4/3/06	1040		✓		HB-8A (5-7')	1	✓	6D 05019-01	
"	1048		✓		" (10-12')	1	✓ cc	-02	
"	1055		✓		" (15-17')	1		-03	
"	1059		✓		" (20-22')	1		-04	
"	1200		✓		HB-13 (0-2')	1	✓	-05	
"	1205		✓		" (5-7')	1	✓	-06	
"	1209		✓		" (10-12')	1	✓	-07	
"	1213		✓		" (15-17')	1		-08	
"	1216		✓		" (20-22')	1		-09	
"	1234		✓		HB-9A (10-12')	1	✓	-10	
"	1239		✓		" (15-17')	1		-11	
"	1244		✓		" (20-22')	1		-12	
"	1300		✓		HB-1A (10-12')	1	✓	-13	
"	1306		✓		" (15-17')	1		-14	
"	1316		✓		" (20-22')	1		-15	
"	1341		✓		HB-11A (10-12')	1	✓	-16	
"	1354		✓		" (15-17')	1		-17	
"	1404		✓		" (20-22')	1		-18	

SAMPLED BY: (Signature) Cindy Crain DATE: 4/3/06 TIME: 1404

RELINQUISHED BY: (Signature) Cindy Crain DATE: 4/5/06 TIME: 1220

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: 4/5/06 TIME: 12:20

SAMPLE CONDITION WHEN RECEIVED:
4.5 no label / no seal

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: XTO

SITE MANAGER: Cindy Crain

PROJECT NO.: 4-0119

PROJECT NAME: EMSU #187

PAGE 2 OF 2

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
4/3/06	1420		✓		HB-6A (10-12')	1	✓	6D05019-19	
"	1426		✓		" (15-17')	1		-20	
"	1431		✓		" (20-22')	1		-21	
"	1458		✓		HB-4A (10-12')	1	✓	-22	
"	1502		✓		" (15-17')	1		-23	
"	1506		✓		" (20-22')	1		-24	
4/4/06	0936		✓		HB-10A (10-12')	1	✓	-25	
"	0942		✓		" (15-17')	1		-26	
"	0948		✓		" (20-22')	1		-27	
"	0958		✓		HB-12 (0-2')	1	✓	-28	
"	1004		✓		" (5-7')	1	✓	-29	
"	1009		✓		" (10-12')	1	✓	-30	
"	1015		✓		" (15-17')	1		-31	
"	1020		✓		" (20-22')	1		-32	
"	1031		✓		HB-2A (5-7')	1	✓	-33	
"	1038		✓		" (10-12')	1		-34	
"	1047		✓		" (15-17')	1		-35	
"	1054		✓		" (20-22')	1		-36	

SAMPLED BY: (Signature) Cindy Crain
DATE: 4/4/06
TIME: 1054

RELINQUISHED BY: (Signature) Cindy Crain
DATE: 4/5/06
TIME: 1220

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: 4/5/06 TIME: 12:20

SAMPLE CONDITION WHEN RECEIVED:
4.5 no label / no seal

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

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: XTO/ EMSU #187

Project Number: 4-0119

Location: None Given

Lab Order Number: 6E01001

Report Date: 05/04/06

Larson & Associates, Inc.	Project: XTO/ EMSU #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	05/04/06 12:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HB-1A (20-22')	6E01001-01	Soil	04/03/06 13:16	04/05/06 12:20
HB-10A (20-22')	6E01001-02	Soil	04/04/06 09:48	04/05/06 12:20
HB-12 (20-22')	6E01001-03	Soil	04/04/06 10:20	04/05/06 12:20

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

Larson & Associates, Inc.	Project: XTO/ EMSU #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	05/04/06 12:02

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-1A (20-22') (6E01001-01) Soil									
Chloride	**441**	10.0	mg/kg	20	EE60204	05/02/06	05/02/06	EPA 300.0	O-04
HB-10A (20-22') (6E01001-02) Soil									
Chloride	**959**	25.0	mg/kg	50	EE60204	05/02/06	05/02/06	EPA 300.0	O-04
HB-12 (20-22') (6E01001-03) Soil									
Chloride	**177**	10.0	mg/L	2	EE60312	05/04/06	05/04/06	1312/9253	

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 EE60204 - Water Extraction										
Blank (EE60204-BLK1)				Prepared & Analyzed: 05/02/06						
Chloride	ND	0.500	mg/kg							
LCS (EE60204-BS1)				Prepared & Analyzed: 05/02/06						
Chloride	10.1	0.500	mg/kg	10.0		101	80-120			
Calibration Check (EE60204-CCV1)				Prepared & Analyzed: 05/02/06						
Chloride	9.88		mg/L	10.0		98.8	80-120			
Duplicate (EE60204-DUP1)		Source: 6D25002-21		Prepared & Analyzed: 05/02/06						
Chloride	124	5.00	mg/kg		125			0.803	20	
Batch EE60312 - EPA 1312/9253										
Blank (EE60312-BLK1)				Prepared & Analyzed: 05/04/06						
Chloride	14.2	10.0	mg/L							B
LCS (EE60312-BS1)				Prepared & Analyzed: 05/04/06						
Chloride	97.5		mg/L	100		97.5	80-120			
Matrix Spike (EE60312-MS1)		Source: 6E01001-03		Prepared & Analyzed: 05/04/06						
Chloride	674	10.0	mg/L	500	177	99.4	80-120			
Matrix Spike Dup (EE60312-MSD1)		Source: 6E01001-03		Prepared & Analyzed: 05/04/06						
Chloride	665	10.0	mg/L	500	177	97.6	80-120	1.34	20	
Reference (EE60312-SRM1)				Prepared & Analyzed: 05/04/06						
Chloride	4960		mg/L	5000		99.2	80-120			

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Notes and Definitions

O-04	This sample was analyzed outside the EPA recommended holding time.
B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
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: 5-04-06

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:	SITE MANAGER:
XTO	Cindy Crain
PROJECT NO.:	PROJECT NAME:
4 0119	EMCU # 187

PAGE 1 OF 2 — LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: Chlorides	Added 5 mg/kg per e-mail	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
4/3/06	1040		✓		HB 8A (5-7')	1	✓		6D 05019-01	
"	1048		✓		" (10-12')	1	✓	cc	-02	
"	1055		✓		" (15-17')	1			-03	
"	1059		✓		" (20-22')	1			-04	
"	1200		✓		HB 13 (0-2')	1	✓		-05	
"	1205		✓		" (5-7')	1	✓		-06	
"	1209		✓		" (10-12')	1	✓		-07	
"	1213		✓		" (15-17')	1			-08	
"	1216		✓		" (20-22')	1			-09	
"	1234		✓		HB 9A (10-12')	1	✓		-10	
"	1239		✓		" (15-17')	1	✓		-11	
"	1244		✓		" (20-22')	1			-12	
"	1300		✓		HB 1A (10-12')	1	✓		-13	
"	1306		✓		" (15-17')	1	✓		-14	
"	1311		✓		" (20-22')	1	✓		-15	6E01001-01
"	1341		✓		HB 11A (10-12')	1	✓		-16	
"	1354		✓		" (15-17')	1			-17	
"	1404		✓		" (20-22')	1			-18	

SAMPLED BY: (Signature) Cindy Crain	DATE: 4/3/06 TIME: 1404	RELINQUISHED BY: (Signature) Cindy Crain	DATE: 4/5/06 TIME: 1220
RELINQUISHED BY: (Signature)	DATE: TIME:	RECEIVED BY: (Signature)	DATE: TIME:

RECEIVED BY: (Signature) DATE: TIME:

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

COMMENTS: (X) Add 5-1-5 as per attached e-mail

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: Xenco-01
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) Maegen Reed
DATE: 4/5/06 TIME: 12:20

SAMPLE CONDITION WHEN RECEIVED: 4.5 no labels / no seal

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

Jeanne McMurrey

From: "Cindy Crain" <cindy@laenvironmental.com>
To: "Jeanne McMurrey" <jeanne@elabtexas.com>
Sent: Monday, May 01, 2006 9:21 AM
Subject: FW: Request for Additional Soil Analysis

Jeanne,

Would you please run the following two (2) additional samples for Chloride analysis:

Project: XTO/EMSU #187
Project Number: 4-0119
Lab Order Number: 6D05019
Report Date: 4/13/06

- **Sample HB-10A (20-22') Sampled 4/4/06 at 0948**
- **Sample HB-1A (20-22') Sampled 4/3/06 at 1316**

In addition, please run the following sample for SPLP analysis for chloride:

- Sample HB-12 (20-22') Sampled 4/4/06 at 1020

Please give me a call if you have any questions or need additional information.

Thank you,

Cindy K. Crain, P.G.

Larson and Associates, Inc.
507 N. Marienfeld, Ste.202
Midland, TX 79701

office: (432) 687-0901
fax: (432) 687-0456
cell: (432) 556-8665

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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: XTO/ EMSU #187

Project Number: 4-0119

Location: None Given

Lab Order Number: 6G07011

Report Date: 07/14/06

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO/ EMSU #187
Project Number: 4-0119
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HB-12, 25-26'	6G07011-01	Soil	07/06/06 09:18	07/07/06 11:10
HB-12, 30-31'	6G07011-02	Soil	07/06/06 09:30	07/07/06 11:10
HB-12, 35-36'	6G07011-03	Soil	07/06/06 09:36	07/07/06 11:10
HB-14, 0-2'	6G07011-05	Soil	07/06/06 10:10	07/07/06 11:10
HB-14, 5-6'	6G07011-06	Soil	07/06/06 10:15	07/07/06 11:10
HB-14, 10-11'	6G07011-07	Soil	07/06/06 10:20	07/07/06 11:10
HB-14, 15-16'	6G07011-08	Soil	07/06/06 10:23	07/07/06 11:10
HB-14, 20-21'	6G07011-09	Soil	07/06/06 10:28	07/07/06 11:10
HB-14, 25-26'	6G07011-10	Soil	07/06/06 10:34	07/07/06 11:10
HB-14, 30-31'	6G07011-11	Soil	07/06/06 10:40	07/07/06 11:10
HB-14, 35-36'	6G07011-12	Soil	07/06/06 10:48	07/07/06 11:10
Background, 0-2'	6G07011-14	Soil	07/06/06 13:26	07/07/06 11:10
Background, 5-6'	6G07011-15	Soil	07/06/06 13:30	07/07/06 11:10
Background, 10-11'	6G07011-16	Soil	07/06/06 13:34	07/07/06 11:10
Background, 15-16'	6G07011-17	Soil	07/06/06 13:36	07/07/06 11:10
Background, 20-21'	6G07011-18	Soil	07/06/06 13:43	07/07/06 11:10
Background, 25-26'	6G07011-19	Soil	07/06/06 13:50	07/07/06 11:10
Background, 30-31'	6G07011-20	Soil	07/06/06 14:02	07/07/06 11:10
Background, 35-36'	6G07011-21	Soil	07/06/06 14:10	07/07/06 11:10
HB-8A, 10-11'	6G07011-23	Soil	07/06/06 14:42	07/07/06 11:10
HB-8A, 15-16'	6G07011-24	Soil	07/06/06 14:46	07/07/06 11:10
HB-8A, 20-21'	6G07011-25	Soil	07/06/06 14:53	07/07/06 11:10
HB-15, 0-2'	6G07011-27	Soil	07/06/06 15:30	07/07/06 11:10
HB-15, 5-6'	6G07011-28	Soil	07/06/06 15:35	07/07/06 11:10
HB-15, 10-11'	6G07011-29	Soil	07/06/06 15:40	07/07/06 11:10
HB-15, 15-16'	6G07011-30	Soil	07/06/06 15:45	07/07/06 11:10
HB-15, 20-21'	6G07011-31	Soil	07/06/06 15:48	07/07/06 11:10
HB-9A, 20-21'	6G07011-33	Soil	07/06/06 16:20	07/07/06 11:10
HB-9A, 25-26'	6G07011-34	Soil	07/06/06 16:27	07/07/06 11:10
HB-9A, 30-31'	6G07011-35	Soil	07/06/06 16:34	07/07/06 11:10

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-12, 25-26' (6G07011-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62601	07/07/06	07/08/06	EPA 8015M	
Carbon Ranges C12-C28	**ND**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**ND**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*98.2 %*	*70-130*		"	"	"	"	
HB-14, 15-16' (6G07011-08) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62601	07/07/06	07/08/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.0 %*	*70-130*		"	"	"	"	
HB-15, 5-6' (6G07011-28) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62601	07/07/06	07/08/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.8 %*	*70-130*		"	"	"	"	

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Larson & Associates, Inc.	Project: XTO/ EMSU #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	
Midland TX, 79710	Project Manager: Mark Larson	

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-12, 25-26' (6G07011-01) Soil									
Chloride	**2340**	20.0	mg/kg Wet	2	EG61003	07/10/06	07/11/06	SW 846 9253	
% Moisture	**4.3**	0.1	%	1	EG61010	07/07/06	07/10/06	% calculation	
HB-12, 30-31' (6G07011-02) Soil									
Chloride	**510**	20.0	mg/kg Wet	2	EG61003	07/10/06	07/11/06	SW 846 9253	
HB-12, 35-36' (6G07011-03) Soil									
Chloride	**1020**	20.0	mg/kg Wet	2	EG61003	07/10/06	07/11/06	SW 846 9253	
HB-14, 0-2' (6G07011-05) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
HB-14, 5-6' (6G07011-06) Soil									
Chloride	**978**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
HB-14, 10-11' (6G07011-07) Soil									
Chloride	**681**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
HB-14, 15-16' (6G07011-08) Soil									
Chloride	**893**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
% Moisture	**6.9**	0.1	%	1	EG61010	07/07/06	07/10/06	% calculation	
HB-14, 20-21' (6G07011-09) Soil									
Chloride	**1700**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
HB-14, 25-26' (6G07011-10) Soil									
Chloride	**638**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
HB-14, 30-31' (6G07011-11) Soil									
Chloride	**553**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO/ EMSU #187
Project Number: 4-0119
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-14, 35-36' (6G07011-12) Soil									
Chloride	**298**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
Background, 0-2' (6G07011-14) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
Background, 5-6' (6G07011-15) Soil									
Chloride	**31.9**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
Background, 10-11' (6G07011-16) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
Background, 15-16' (6G07011-17) Soil									
Chloride	**85.1**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
Background, 20-21' (6G07011-18) Soil									
Chloride	**42.5**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
Background, 25-26' (6G07011-19) Soil									
Chloride	**21.3**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
Background, 30-31' (6G07011-20) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
Background, 35-36' (6G07011-21) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
HB-8A, 10-11' (6G07011-23) Soil									
Chloride	**31.9**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO/ EMSU #187
Project Number: 4-0119
Project Manager: Mark Larson

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General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-8A, 15-16' (6G07011-24) Soil									
Chloride	**21.3**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
HB-8A, 20-21' (6G07011-25) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
HB-15, 0-2' (6G07011-27) Soil									
Chloride	**31.9**	20.0	mg/kg Wet	2	EG61004	07/10/06	07/11/06	SW 846 9253	
HB-15, 5-6' (6G07011-28) Soil									
Chloride	**74.4**	20.0	mg/kg Wet	2	EG61005	07/10/06	07/11/06	SW 846 9253	
% Moisture	**3.0**	0.1	%	1	EG61010	07/07/06	07/10/06	% calculation	
HB-15, 10-11' (6G07011-29) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61005	07/10/06	07/11/06	SW 846 9253	
HB-15, 15-16' (6G07011-30) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61005	07/10/06	07/11/06	SW 846 9253	
HB-15, 20-21' (6G07011-31) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EG61005	07/10/06	07/11/06	SW 846 9253	
HB-9A, 20-21' (6G07011-33) Soil									
Chloride	**1470**	20.0	mg/kg Wet	2	EG61005	07/10/06	07/11/06	SW 846 9253	
HB-9A, 25-26' (6G07011-34) Soil									
Chloride	**319**	20.0	mg/kg Wet	2	EG61005	07/10/06	07/11/06	SW 846 9253	
HB-9A, 30-31' (6G07011-35) Soil									
Chloride	**340**	20.0	mg/kg Wet	2	EG61005	07/10/06	07/11/06	SW 846 9253	

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO/ EMSU #187
Project Number: 4-0119
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EF62601 - Solvent Extraction (GC)										
Blank (EF62601-BLK1)				Prepared: 07/07/06 Analyzed: 07/08/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*47.9*		*mg/kg*	*50.0*		*95.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.0*		*"*	*50.0*		*94.0*	*70-130*			
LCS (EF62601-BS1)				Prepared: 07/07/06 Analyzed: 07/08/06						
Carbon Ranges C6-C12	511	10.0	mg/kg wet	500		102	75-125			
Carbon Ranges C12-C28	517	10.0	"	500		103	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	1030	10.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	*56.8*		*mg/kg*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.1*		*"*	*50.0*		*96.2*	*70-130*			
Calibration Check (EF62601-CCV1)				Prepared: 07/07/06 Analyzed: 07/10/06						
Carbon Ranges C6-C12	272		mg/kg	250		109	80-120			
Carbon Ranges C12-C28	277		"	250		111	80-120			
Total Hydrocarbon nC6-nC35	549		"	500		110	80-120			
Surrogate: 1-Chlorooctane	*46.9*		*"*	*50.0*		*93.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.9*		*"*	*50.0*		*89.8*	*70-130*			
Matrix Spike (EF62601-MS1)	**Source: 6G07010-02**			Prepared: 07/07/06 Analyzed: 07/08/06						
Carbon Ranges C6-C12	509	10.0	mg/kg dry	541	ND	94.1	75-125			
Carbon Ranges C12-C28	521	10.0	"	541	ND	96.3	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1030	10.0	"	1080	ND	95.4	75-125			
Surrogate: 1-Chlorooctane	*55.8*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.6*		*"*	*50.0*		*97.2*	*70-130*			

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 EF62601 - Solvent Extraction (GC)										
Matrix Spike Dup (EF62601-MSD1)	**Source: 6G07010-02**			Prepared: 07/07/06 Analyzed: 07/08/06						
Carbon Ranges C6-C12	513	10.0	mg/kg dry	541	ND	94.8	75-125	0.783	20	
Carbon Ranges C12-C28	522	10.0	"	541	ND	96.5	75-125	0.192	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1040	10.0	"	1080	ND	96.3	75-125	0.966	20	
Surrogate: 1-Chlorooctane	*58.7*		*mg/kg*	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.6*		*"*	*50.0*		*99.2*	*70-130*			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO/ EMSU #187
Project Number: 4-0119
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EG61003 - General Preparation (WetChem)										
Blank (EG61003-BLK1)				Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (EG61003-BS1)				Prepared & Analyzed: 07/11/06						
Chloride	83.0		mg/kg	100		83.0	80-120			
Matrix Spike (EG61003-MS1)		**Source: 6G07006-01**		Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	17800	20.0	mg/kg Wet	500	17200	120	80-120			
Matrix Spike Dup (EG61003-MSD1)		**Source: 6G07006-01**		Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	17800	20.0	mg/kg Wet	500	17200	120	80-120	0.00	20	
Reference (EG61003-SRM1)				Prepared & Analyzed: 07/11/06						
Chloride	50.0		mg/kg	50.0		100	80-120			
Batch EG61004 - General Preparation (WetChem)										
Blank (EG61004-BLK1)				Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (EG61004-BS1)				Prepared & Analyzed: 07/11/06						
Chloride	80.8		mg/kg	100		80.8	80-120			
Matrix Spike (EG61004-MS1)		**Source: 6G07011-07**		Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	1110	20.0	mg/kg Wet	500	681	85.8	80-120			
Matrix Spike Dup (EG61004-MSD1)		**Source: 6G07011-07**		Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	1110	20.0	mg/kg Wet	500	681	85.8	80-120	0.00	20	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO/ EMSU #187
Project Number: 4-0119
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EG61004 - General Preparation (WetChem)										
Reference (EG61004-SRM1)				Prepared & Analyzed: 07/11/06						
Chloride	51.0		mg/kg	50.0		102	80-120			
Batch EG61005 - General Preparation (WetChem)										
Blank (EG61005-BLK1)				Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (EG61005-BS1)				Prepared & Analyzed: 07/11/06						
Chloride	84.0		mg/kg	100		84.0	80-120			
Matrix Spike (EG61005-MS1)		**Source: 6G07011-30**		Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	489	20.0	mg/kg Wet	500	0.00	97.8	80-120			
Matrix Spike Dup (EG61005-MSD1)		**Source: 6G07011-30**		Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	489	20.0	mg/kg Wet	500	0.00	97.8	80-120	0.00	20	
Reference (EG61005-SRM1)				Prepared & Analyzed: 07/11/06						
Chloride	52.1		mg/kg	50.0		104	80-120			
Batch EG61010 - General Preparation (Prep)										
Blank (EG61010-BLK1)				Prepared: 07/07/06 Analyzed: 07/11/06						
% Moisture	ND	0.1	%							
Duplicate (EG61010-DUP1)		**Source: 6G07002-01**		Prepared: 07/07/06 Analyzed: 07/10/06						
% Solids	92.8		%		94.6			1.92	20	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO/ EMSU #187
Project Number: 4-0119
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EG61010 - General Preparation (Prep)										
Duplicate (EG61010-DUP2)		**Source: 6G07004-12**		Prepared: 07/07/06 Analyzed: 07/10/06						
% Solids	86.8		%		87.8			1.15	20	
Duplicate (EG61010-DUP3)		**Source: 6G07007-03**		Prepared: 07/07/06 Analyzed: 07/10/06						
% Solids	90.1		%		89.0			1.23	20	
Duplicate (EG61010-DUP4)		**Source: 6G07012-03**		Prepared: 07/07/06 Analyzed: 07/10/06						
% Solids	95.2		%		94.0			1.27	20	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO/ EMSU #187
Project Number: 4-0119
Project Manager: Mark Larson

Fax: (432) 687-0456

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: 7-14-06

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.

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

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:
XTO Energy, Inc.	Mark Larson
PROJECT NO.:	PROJECT NAME:
4-0119	EMSU Well #187
PAGE 1 OF 2	LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH (8015 GRO/DRO)	PARAMETERS/METHOD NUMBER: Chlorides	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
7/6/06	0918		X		HB-12, 25-26'	1	✓	✓		6907011 -01
	0930				HB-12, 30-31'	1		✓		-02
	0936				HB-12, 35-36'	1		✓		-03
	0945				HB-12, 40-41'	1				-04
	10:10				HB-14, 0-2'	1		✓		-05
	10:15				HB-14, 5-6'	1		✓		-06
	10:20				HB-14, 10-11'	1		✓		-07
	10:23				HB-14, 15-16'	1	✓	✓		-08
	10:25				HB-14, 20-21'	1		✓		-09
	10:34				HB-14, 25-26'	1		✓		-10
	10:40				HB-14, 30-31'	1		✓		-11
	10:48				HB-14, 35-36'	1		✓		-12
	10:58				HB-14, 40-41'	1				-13
	13:26				Background, 0-2	1		✓		-14
	13:30				Background, 5-6'	1		✓		-15
	13:34				Background, 10-11'	1		✓		-16
	13:36				Background, 15-16'	1		✓		-17
	13:43				Background, 20-21'	1		✓		-18

SAMPLED BY: (Signature) DATE: 7/6/06 TIME: 1634	RELINQUISHED BY: (Signature) DATE: TIME:	RECEIVED BY: (Signature) DATE: TIME:
RELINQUISHED BY: (Signature) DATE: 7/7/06 TIME: 11:10	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: ELT
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: TX ZIP: 79765
CONTACT: Roland Tuttle PHONE: (432) 563-1800

RECEIVED BY: (Signature) Cindy Wells
DATE: 7/7/06 TIME: 11:10

SAMPLE CONDITION WHEN RECEIVED:
4oz glass 4.0 w/labels

LA CONTACT PERSON: M. Larson

SAMPLE TYPE: Soil

CHAIN—OF—CUSTODY RECORD

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

CLIENT NAME: XTO Energy, Inc
SITE MANAGER: Mark Larson
PROJECT NO.: 4-0119
PROJECT NAME: EMSU Well #187
PAGE 2 OF 2
LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH (8015 DRO/GRO)	PARAMETERS/METHOD NUMBER: Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
7/6/06	13:50		X		Background 25-26'	1		✓		G07011 - 19
	14:02				Background 30-31'	1		✓		-20
	14:10				Background 35-36'	1		✓		-21
	14:15				Background 40-41'	1		✓		-22
	14:42				HB-8A, 10-11'	1		✓		-23
	14:46				HB-8A, 15-16'	1		✓		-24
	14:53				HB-8A, 20-21'	1		✓		-25
	15:00				HB-8A, 25-26'	1				-26
	1530				HB-15, 0-2'	1		✓		-27
	15:35				HB-15, 5-6'	1	✓	✓		-28
	1540				HB-15, 10-11'	1		✓		-29
	1545				HB-15, 15-16'	1		✓		-30
	1548				HB-15, 20-21'	1		✓		-31
	15:55				HB-15, 25-26'	1		✓		-32
	16:20				HB-9A, 20-21'	1		✓		-33
	16:27				HB-9A, 25-26'	1		✓		-34
	16:34				HB-9A, 30-31'	1		✓		-35

SAMPLED BY: (Signature) DATE: 7/6/06 TIME: 1654
RELINQUISHED BY: (Signature) DATE: TIME:
RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: 7/7/06 TIME: 11:10
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 Tex
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: TX ZIP: 79765
CONTACT: Roland Tuttle PHONE: (432) 563-1800
RECEIVED BY: (Signature)
DATE: 7/7/06 TIME: 11:10

SAMPLE CONDITION WHEN RECEIVED:

LA CONTACT PERSON: M. Larson

SAMPLE TYPE: Soil

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

Client: Larson

Date/Time: 7/7/06 11:10

Order #: 6070011

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	4.0 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 lid
Container labels legible and intact?	Yes	No	
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:

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: XTO/ EMSU #187

Project Number: 4-0119

Location: None Given

Lab Order Number: 6G17005

Report Date: 07/20/06

Larson & Associates, Inc.	Project: XTO/ EMSU #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	
Midland TX, 79710	Project Manager: Mark Larson	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HB-12 40-41'	6G17005-01	Soil	07/06/06 09:45	07/07/06 11:10

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

Larson & Associates, Inc.	Project: XTO/ EMSU #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	
Midland TX, 79710	Project Manager: Mark Larson	

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-12 40-41' (6G17005-01) Soil									
Chloride	**1110**	20.0	mg/kg	40	EG61910	07/19/06	07/19/06	EPA 300.0	

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

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO/ EMSU #187
Project Number: 4-0119
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EG61910 - General Preparation (WetChem)										
Blank (EG61910-BLK1)				Prepared & Analyzed: 07/19/06						
Chloride	ND	0.500	mg/kg							
LCS (EG61910-BS1)				Prepared & Analyzed: 07/19/06						
Chloride	10.2	0.500	mg/kg	10.0		102	80-120			
Calibration Check (EG61910-CCV1)				Prepared & Analyzed: 07/19/06						
Chloride	10.2		mg/L	10.0		102	80-120			
Duplicate (EG61910-DUP1)		Source: 6G14012-02		Prepared & Analyzed: 07/19/06						
Chloride	542	10.0	mg/kg		544			0.368	20	
Duplicate (EG61910-DUP2)		Source: 6G14008-03		Prepared & Analyzed: 07/19/06						
Chloride	63.5	5.00	mg/kg		67.2			5.66	20	
Matrix Spike (EG61910-MS1)		Source: 6G14012-02		Prepared & Analyzed: 07/19/06						
Chloride	796	10.0	mg/kg	200	544	126	80-120			S-07
Matrix Spike (EG61910-MS2)		Source: 6G14008-03		Prepared & Analyzed: 07/19/06						
Chloride	168	5.00	mg/kg	100	67.2	101	80-120			

Larson & Associates, Inc.	Project: XTO/ EMSU #187	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 4-0119	
Midland TX, 79710	Project Manager: Mark Larson	

Notes and Definitions

S-07	Recovery outside Laboratory historical or method prescribed limits.
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: 7-20-06

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: XTO Energy, Inc.

SITE MANAGER: Mark Larson

PROJECT NO.: 4-0119

PROJECT NAME: EMSU Well #187

PAGE 1 OF 2

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH (8015 GRO/DRO)	PARAMETERS/METHOD NUMBER: Chlorides	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
7/6/06	09:18		X		HB-12, 25-26'	1		✓		660701 -01
	09:30				HB-12, 30-31'	1		✓		-02
	09:36				HB-12, 35-36'	1		✓		-03
	09:45				HB-12, 40-41'	1		X	660700501	-04
	10:16				HB-14, 0-2'	1		✓		-05
	10:18				HB-14, 5-6'	1		✓		-06
	10:26				HB-14, 10-11'	1		✓		-07
	10:23				HB-14, 15-16'	1	✓	✓		-08
	10:29				HB-14, 20-21'	1		✓		-09
	10:31				HB-14, 25-26'	1		✓		-10
	10:40				HB-14, 30-31'	1		✓		-11
	10:48				HB-14, 35-36'	1		✓		-12
	10:55				HB-14, 40-41'	1		✓		-13
	13:26				Background, 0-2	1		✓		-14
	13:30				Background, 5-6'	1		✓		-15
	13:34				Background, 10-11'	1		✓		-16
	13:36				Background, 15-16'	1		✓		-17
	13:43				Background, 20-21'	1		✓		-18

SAMPLED BY: (Signature) DATE: 7/6/06 TIME: 16:34

RELINQUISHED BY: (Signature) DATE: TIME:

RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: 7/7/06 TIME: 11:10

RECEIVED BY: (Signature) DATE: TIME:

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

COMMENTS: *Add Cl- 07-17-06 @ 0800 as per attached e-mail

TURNAROUND TIME NEEDED

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

COPY

RECEIVING LABORATORY: ELT
ADDRESS: 1260 W I-20 E
CITY: Odessa STATE: TX ZIP: 79765
CONTACT: Roland Tuttle PHONE: (432) 563-1800

RECEIVED BY: (Signature)
DATE: 7/7/06 TIME: 11:10

SAMPLE CONDITION WHEN RECEIVED:
4oz glass 4.0 w/labels

LA CONTACT PERSON: M. Larson

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: XTO Energy, Inc

SITE MANAGER: Mark Larson

PROJECT NO.: 4-0119

PROJECT NAME: EMSU Well #187

PAGE 2 OF 2

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH (8015 DRO+GRO)	PARAMETERS/METHOD NUMBER: Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
7/6/06	13:50		X		Background 25-26'	1		✓		G07011 - 19
	14:05				Background 30-31'	1		✓		-20
	14:10				Background 35-36'	1		✓		-21
	14:15				Background 40-41'	1		✓		-22
	14:42				HB-8A, 10-11'	1		✓		-23
	14:46				HB-8A, 15-16'	1		✓		-24
	14:53				HB-8A, 20-21'	1		✓		-25
	15:00				HB-8A, 25-26'	1				-26
	15:30				HB-15, 0-21'	1		✓		-27
	15:35				HB-15, 5-6'	1	✓	✓		-28
	15:40				HB-15, 10-11'	1		✓		-29
	15:45				HB-15, 15-16'	1		✓		-30
	15:48				HB-15, 20-21'	1		✓		-31
	15:55				HB-15, 25-26'	1		✓		-32
	16:20				HB-9A, 20-21'	1		✓		-33
	16:27				HB-9A, 25-26'	1		✓		-34
	16:34				HB-9A, 30-31'	1		✓		-35

SAMPLED BY: (Signature) DATE: 7/6/06 TIME: 16:34

RELINQUISHED BY: (Signature) DATE: 7/7/06 TIME: 11:10

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

COPY

RECEIVING LABORATORY: Environmental Lab of Texas
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: TX ZIP: 79765
CONTACT: Roland Tuttle PHONE: (432) 563-1800

RECEIVED BY: (Signature)
DATE: 7/7/06 TIME: 11:10

SAMPLE CONDITION WHEN RECEIVED:

LA CONTACT PERSON: M. Larson

SAMPLE TYPE: Soil

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

Client: Larson

Date/Time: 7/7/06 11:10

Order #: ~~to40701~~ 6617005

Initials: CK

COPY

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	4.0 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 lid
Container labels legible and intact?	Yes	No	
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:

Jeanne McMurrey

From: "Mark Larson" <mark@laenvironmental.com>
To: <jeanne@elabtexas.com>
Sent: Saturday, July 15, 2006 10:39 PM
Subject: Re: Additional Analysis, Report No. 6G07011

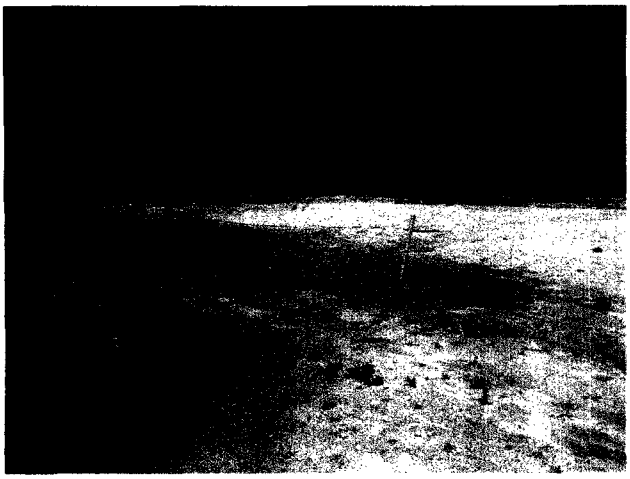
Jeanne: Please run the following sample for chloride:
HB-12, 40 to 41'
Also, I detected a typo in the report for sample 6G07011-21 (Background, 35-26'), which should be Background, 35 - 36'?
Thanks,
Mark

--

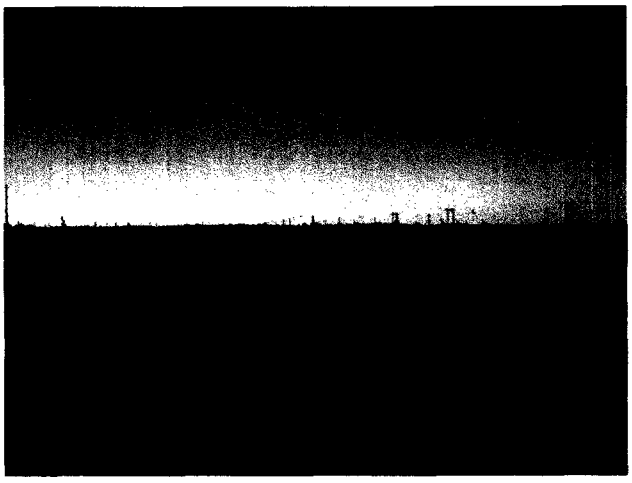
Appendix C

Photographs

EMSU # 187
NW/4, NW/4, SECTION 5, T-21-S, R-36-E
LEA COUNTY, NEW MEXICO



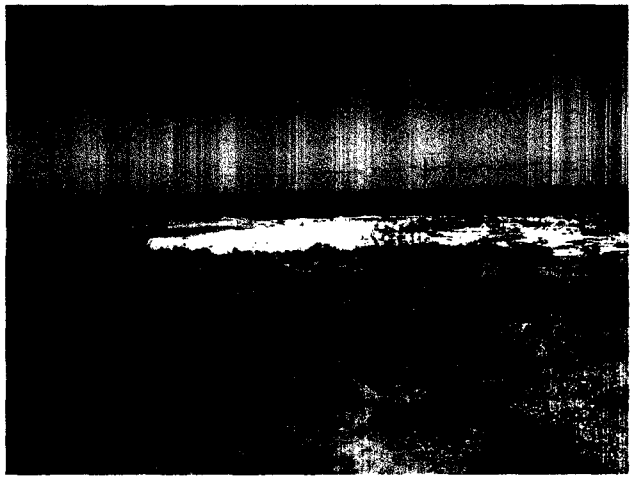
1. EMSU # 187 - looking north



2. EMSU # 187 - looking south

3. EMSU # 187 - looking east

EMSU # 187
NW/4, NW/4, SECTION 5, T-21-S, R-36-E
LEA COUNTY, NEW MEXICO



4. EMSU # 187 - looking west

5. EMSU # 187 - wellhead

6. EMSU # 187 - looking west from BH-11

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

Initial Report ☒ Final Report

Name of Company ChevronTexaco	Contact Danny Lovell
Address 2401 Ave "O" Eunice NM 88221	Telephone No. 505-394-1242
Facility Name EMSU #187	Facility Type WIW

Surface Owner Berta Tibbis	Mineral Owner	Lease No.

LOCATION OF RELEASE

API#3002504515000

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	5	21S	36E	654	NORTH	660	WEST	LEA

Latitude N32deg-31.225__ **Longitude**_W103deg-17.621_____

NATURE OF RELEASE

Type of Release PRODUCED WATER	Volume of Release 180BBLS	Volume Recovered 160BBLS
Source of Release WATER INJECTION LINE	Date and Hour of Occurrence 8/2/04 6:00am-5:00 pm	Date and Hour of Discovery 8/2/04-5:00 P.M.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? SYLVIA DICKEY	
By Whom? DANNY LOVELL	Date and Hour 10:00 A.M. 8/3/04	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
LATERAL LINE GOING TO WELL IS 2" FIBERGLASS AND IS CONNECTED TO WELLHEAD WITH 1" STAINLESS STEEL TUBING. TRACKS AROUND WELLHEAD INDICATED THAT A COW RUBBED AGAINST 1" SS CAUSING IT TO PULL OUT OF 2" FIBERGLASS COUPLING. WELL WAS SHUT-IN AND FLUID VACUUMED UP THAT EVENING.

Describe Area Affected and Cleanup Action Taken.*
MAJORITY OF FLUID WAS CONTAINED ON WELL PAD WITH A 120'X3' STRIP GOING INTO PASTURE. STAINED SOIL WAS SCRAPED UP AND HAULED TO RHINO LAND FARM. DEPTH TO GROUNDWATER 180'. PER RE-SUBMIT NOTICE CHEVRONTEXACO WILL REMOVE CONTAMINATED SOIL FROM RHINO AND HAULEDTO SUNDANCE DISPOSAL BY 10/30/04. VERTICAL EXTENT OF CONTAMINATED AREA WAS NOT REQUESTED WHEN SPILL WAS CALLED IN. XTO PURCHASED PROPERTY FROM CHEVRON TEXACO 8/16/04. A COPY OF RE-SUBMIT NOTICE WAS GIVEN TO GUY HACKUS WITH XTO 10/27/04 WHO WILL FURNISH OTHER CLEAN UP REQUIRMENTS REQUESTED.

NOTE- LATE RESPONSE WAS DUE TO NOTICE JUST BEING RECEIVED RECENTLY.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Dan Lovell

Printed Name: DANNY LOVELL

OK
11-20-06

OIL CONSERVATION DIVISION

Approved by District Supervisor:

10-31-06
XTO BEGIN CLOSURE

application - pPAC0627125515

RP#1043