Larson & Associates, Inc.
Environmental Consultants

January 17, 2006

VIA EMAIL: Paul.Sheeley@state.nm.us
VIA CERTIFIED MAIL

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

Re: Produced Water Spill Investigation Report and Remediation Plan, John H. Hendrix Corporation, E. E. Drinkard #3 Well, Unit Letter D (NW/4, NW/4), Section 25, Township 22 South, Range 37 East, Lea County, New Mexico

Dear Mr. Sheeley:

This report and remediation plan is submitted to the State of New Mexico Oil Conservation Division ("OCD") on behalf of John H. Hendrix Corporation ("JHHC") by Larson and Associates, Inc. ("LA"), its agent, for a produced water spill that occurred at the E. E. Drinkard #3 well ("Site) located in unit letter D ("NW/4, NW/4"), Section 25, Township 22 South, Range 37 East in Lea County, New Mexico. The spill occurred on September 21, 2004, after a sudden flow of water was encountered while drilling a bridge plug approximately 630 feet below ground surface ("bgs"). About 100 barrels ("bbl") of water spilled and approximately 80 bbl was recovered using a vacuum truck and disposed at an OCD permitted salt-water disposal ("SWD") facility. The spill was mostly confined to the well pad, but a small amount may have migrated off the west edge of the location. JHHC notified OCD and the landowner on September 21, 2004, and submitted form C-141 on September 22, 2004. The latitude and longitude for the Site is North 32° 24' 12.2" and West 103° 08' 26.5". Contact information is as follows:

John H. Hendrix Corporation
Mr. Marvin Burrows
Production Manager
1310 18th Street
Eunice, New Mexico 88231
(505) 394-2649

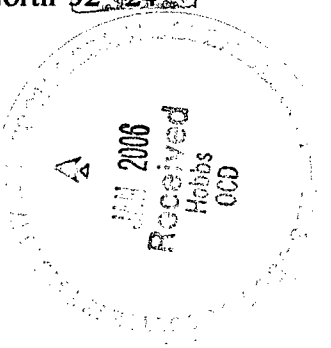


Figure 1 presents a location and topographic map. Appendix A presents Form C-141.

Hendrix - 12024
Incident - nPAC 0605539575
application pPAC 0605539759

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

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

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

February 23, 2006

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

Re: EE Drinkard #3 Well - Investigation Work Plan Approval
Site Location: UL-D, Sec 25-T22S-R37E
Dated: January 17, 2006

Dear Mr. Burrows,

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

1. JHHC shall dispose of contaminated material according to OCD protocol. OCD has no officially approved level of [chloride] above [250 mg/Kg].
2. JHHC shall propose a soil remediation level demonstrating that remaining chloride contamination will not cause an exceedance of the New Mexico Water Quality Control Commission (WQCC) groundwater standard of 250 mg/L [Chloride].

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

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

Sincerely,

Paul Sheeley-Environmental Engineer verbal approval: Mark Larson 2-17-06

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

1.0 SETTING

The Site is a plugged oil and gas well that is located about four (4) miles southeast of Eunice, New Mexico. The surface elevation is approximately 3,320 feet above mean sea level ("MSL") and slopes gently to the east and southeast toward Monument Draw. Monument Draw is located about 2,300 feet east of the Site and flows to the southeast. The native soil is wind blown sand that overlies the Ogallala formation (Tertiary) consisting of unconsolidated to well-cemented sand, sandstone, clay, silt and gravel. A layer of caliche or cap rock is present in the upper part of the Ogallala formation. The Ogallala formation overlies the Chinle formation (Triassic) consisting of mudstone, siltstone and sandstone, also known as red bed.

According to information from the State of New Mexico Office of the State Engineer ("OSE"), ground water occurs at depths greater than 50 feet bgs. The nearest well is located in unit letter C (NE/4, NW/4), Section 25, Township 22 South, Range 37 East or about 1,300 feet southeast of the Site. Ground water was reported at approximately 53 feet bgs. Another well is located in unit letter H (SE/4, NE/4) or about 1,300 feet west and northwest of the Site. Ground water was reported at 56 feet bgs. Two (2) borings (DP-4 and DP-5) were advanced to about 50 feet bgs. Shale was encountered in the borings at approximately 48 and 49 feet bgs. Ground water was not observed in the borings or drill cuttings and soil samples were dry. Figure 1 presents well locations (approximate) and depth-to-ground water.

2.0 INVESTIGATIONS

2.1 Electromagnetic (EM) Survey

On November 1, 2004, LA personnel conducted an electromagnetic (EM-38) terrain conductivity survey to map soil conductivity and assess the lateral limits of the release. The EM-38 measures conductivity by imparting eddy currents into the subsurface from a surface transmitter coil. The eddy currents induce a secondary magnetic field that is sensed by a surface receiver coil. The primary magnetic field, current frequency, and coil separation can be accounted for, leaving ground conductivity as the only unknown variable to be measured. The primary factor that contributes to the conductivity of soil and rock is formation water and total dissolved solids ("TDS"), which becomes concentrated by the produced water. The EM-38 readings were compared to background measurements that were collected about 150 feet west of the Site. The EM-38 is manufactured by Geonics, Ltd., located in Toronto, Ontario, Canada, and has exploration capabilities ranging from 0 to about 4.9 feet bgs, depending on coil orientation (i.e., horizontal dipole ("HD") mode or vertical dipole ("VD"). The EM-38 has exploration capabilities from 0 to about 2.5 feet (0 to 0.75 meters) bgs in the HD mode and from 0 to about 4.9 feet (0 to 1.5 meters) bgs in the VD mode. The EM-38 digitally displays conductivity in millimhos per meter ("mmhos/m").

Both EM-38 HD and VD measurements were collected every twenty-five (25) feet over an area measuring approximately 225 feet by 450 feet (2.3-acres).

Measurement stations were accurately located using a Nikon Model DP-310 total station system and right-angle prism. Four (4) measurements were collected at each station, including north to south and east to west measurements in HD and VD modes. Background was selected at a location that was void of cultural interference (i.e., pipelines, power lines, buried metal, etc.) and measured 52.45 mmhos/m (HD) and 65.4 mmhos/m (VD). Figure 2 presents a Site drawing showing the well location, improvements and EM-38 measurement stations. Figure 3 presents the EM-38HD map. Figure 4 presents the EM-38VD map. Appendix B presents EM-38 field sheets.

Referring to Figure 3, an area of EM-38HD conductivity readings greater than 6 times background or greater than 300 mmhos/m was recorded about 100 feet west of the well. This anomaly trends to the southwest in the apparent direction of surface flow. EM-38HD conductivity readings decreased to near background west and south of the anomaly, but remained 3 to 4 times greater than background north of the well in the general vicinity of a closed pit. Referring to Figure 4, an area of EM-38 VD conductivity readings greater than 6 times background or greater than 400 mmhos/m was observed at the approximate location of where the EM-38HD anomaly occurred about 100 feet west of the well. The EM-38VD anomaly also trends to the southwest in general direction of surface flow and readings decreased to near background west and south of the anomaly. EM-38VD readings remained 2 to 3 times background north of the well in the general vicinity of the closed pit.

2.2 Soil Samples

On November 18 and 19, 2004, LA personnel collected soil samples using direct-push (i.e., Terraprobe™) methods at seven (7) locations (DP-1 through DP-7). The samples were collected in 2-foot increments (i.e., 0 to 2', 2 to 4 ', 4 to 6',etc.) using a stainless steel core barrel until caliche was encountered between about 4 and 12 feet bgs. Lithology was described using the Unified Soil Classification System ("USCS") and borings were plugged with bentonite. All samples were placed in 4-ounce glass sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to Environmental Lab of Texas, Inc. ("ELTI"), located in Odessa, Texas. Duplicate samples were collected for headspace analysis by partially filling 8-ounce glass sample jars, sealing the openings with a layer of aluminum foil and tightly securing the lids. The headspace samples were allowed to warm to ambient temperature (approximately 30 minutes) before a RAE Instruments Model 2000 photoionization detector ("PID"), calibrated to 100 parts per million ("ppm") of isobutylene, was used to measure the hydrocarbons in the headspace. The PID readings were recorded on field logs. Table 1 presents a summary of the PID readings. Appendix C presents the field boring logs.

Referring to Table 1, PID readings were less than 100 ppm, therefore, no samples were analyzed by the laboratory for benzene, toluene, ethyl benzene or xylene ("BTEX"). Samples were analyzed for total petroleum hydrocarbons ("TPH") using EPA method SW-846-8015 for gasoline range organics ("GRO") and diesel range organics ("DRO")

and chloride using EPA method SW-846-9253. No TPH was reported in the samples and no chloride was reported in samples from locations DP-1 and DP-2, located west of the Site. However, the deepest sample was collected from approximately 10 to 12 feet bgs at location DP-4 and reported chloride at 5,320 millgrams per kilogram ("mg/Kg"). Table 1 presents a summary of the TPH and chloride analysis. Appendix D presents the laboratory reports.

On January 5, 2005, Scarborough Drilling, Inc. ("Scarborough") used an air rotary rig and core sampler to collect additional samples from locations DP-4 and DP-5. Soil samples were collected at approximately 10, 15, 20, 30 40 and 50 feet bgs, placed in 4-ounce glass sample jars, labeled, chilled in an ice chest and delivered under chain-of-custody control to ELTI. Since PID readings from previous samples were below 100 ppm and no TPH was detected in the samples, the additional samples were analyzed for chloride using EPA method SW-846-9253. Drill cuttings were placed on the ground adjacent to the borings and the borings were plugged with bentonite. Lithology was described in accordance with the USCS. All down-hole equipment (i.e., bit, rods, etc.) was thoroughly washed between locations using high-pressure hot water. The core sampler was washed between uses with a solution of laboratory grade detergent and water and rinsed with distilled water. Table 1 presents a summary of the chloride analysis. Appendix D presents the laboratory reports.

Referring to Table 1, chloride decreases with depth at location DP-4, from a high of 12,100 mg/Kg in the sample from 6 to 8 feet, to 532 mg/Kg in the sample from 15 feet bgs and 42.5 mg/Kg in the sample from 20 feet bgs. The chloride decreased with depth at location DP-5, from a high of 7,490 mg/Kg in the sample from 2 to 4 feet, to 957 mg/Kg in the sample from 15 feet bgs and 308 mg/Kg in the sample from 30 feet bgs.

Samples DP-3, 0 to 2 feet, DP-4, 0 to 2 feet and 4 to 6 feet and DP-5, 2 to 4 feet, 6 to 8 feet, 30 feet, 40 feet and 50 feet were analyzed using the synthetic precipitation leaching procedure ("SPLP") by EPA method SW-846-1312, to determine if the chloride could leach at concentrations above the New Mexico Water Quality Control Commission ("WQCC") domestic water quality standard of 250 milligrams per liter (mg/L"). The SPLP results showed that chloride was not leached at concentrations greater than 250 mg/L in samples reporting total chloride below about 3,500 mg/Kg. The SPLP analysis reported chloride below 250 mg/L in the following samples: DP-3, 0 to 2 feet (213 mg/L), DP-5, 30 feet (21.3 mg/L), DP-5, 40 feet (122 mg/L) and DP-5, 50 feet (44.7 mg/L). Total chloride exhibited DP-3, 0 to 2 feet, DP-5, 30, 40 and 50 feet were 3,340 mg/Kg, 308 mg/Kg, 1,530 mg/Kg and 596 mg/Kg, respectively. Chloride exceeded 250 mg/L in samples DP-4, 0 to 2 feet (478 mg/L), DP-4, 6 to 8 feet (713 mg/L), DP-5, 2 to 4 feet (383 mg/L) and DP-5, 6 to 8 feet (319 mg/L), where total chloride was reported at 9,780 mg/Kg, 12,100 mg/Kg, 7,490 mg/Kg and 5,000 mg/Kg, respectively.

3.0 REMEDIATION PLAN

OCD has developed soil closure concentration standards, as published in NMAC 19.15.4.2.50F(4), for benzene, BTEX, TPH and chloride using the following ranking criteria:

Ranking Criteria	Result	Ranking Score
Depth-to-Groundwater	50 - 99 feet	10
Wellhead Protection Area	No	0
Distance to Surface Water	>1000 Horizontal Feet	0
	Total Score:	**10**

The following site closure concentration standards are assigned to the Site based on the total ranking score (10):

- **Benzene** **0.2 mg/Kg**
- **Total BTEX** **100 mg/Kg**
- **TPH** **1,000 mg/Kg**
- **Chloride** **2,500 mg/Kg**

The site closure concentration standards for benzene, BTEX and TPH do not apply to the Site since these compounds were not detected in soil samples. The site closure concentration standard for chloride (2,500 mg/Kg) does apply to the Site, and JHHC proposes to excavate soil from locations DP-3, DP-4 and DP-5 to reduce the chloride below the standard. The caliche surface cover will be removed at locations DP-3, DP-4 and DP-5 to expose native soil, which will be excavated to depths ranging from about 2 feet bgs (DP-3) to about 13 feet bgs (DP-4). The soil will be hauled to the JHHC centralized surface waste management facility (NM-02-0021). Soil samples will be collected during the excavation process and analyzed for chloride using field methods until concentrations are below 2,500 mg/Kg. Final soil samples will be collected from the bottom and sides of each excavations once field samples show concentrations below the site closure concentration standard, placed in clean 4-ounce glass jars, labeled, preserved, transferred under chain-of-custody control to an environmental laboratory and analyzed for chloride using an OCD approved method. JHHC will collect additional samples at location DP-7 to determine the limit of the chloride. The excavations will be filled with clean soil and covered with caliche. OCD and the landowner will be notified within 48-hours prior to the scheduled start date and a final report will be submitted to OCD within 45-days following receipt of the laboratory report or filling of the excavations. Your approval of the remediation plan is requested. If you have questions, please call Mr. Marvin Burrows with JHHC at (505) 394-2649, myself at (432) 687-0901 or email mburrows@valornet.com **or** Mark@LAEnvironmental.com.

Sincerely,
Larson and Associates, Inc.

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

Encl

cc: Marvin Burrows/JHHC
Ron Westbrook/JHHC
Larry Johnson/OCD - Hobbs
Chris Williams/OCD – Hobbs
Roger Anderson/OCD -- Santa Fe

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

TABLES

Table 1
Summary of Headspace and Laboratory Analyses of Soil Samples
John Hendrix Corporation, E.E. Drinkard # 3 (Spill Site #1)
Unit Letter D (NW/4, NW/4), Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Boring Number	Sample Depth (Feet)	Sample Date	PID (ppm)	GRO C6-C12 (mg/kg)	DRO >C12-C35 (mg/kg)	TPH C6-C35 (mg/kg)	Total Chloride (mg/kg)	SPLP Chloride (mg/L)
DP-1	0-2	11/19/04	0.1	<10.0	<10.0	<20.0	<20	---
	2-4	11/19/04	0.0	<10.0	<10.0	<20.0	<20	---
	4-6	11/19/04	0.0	<10.0	<10.0	<20.0	<20	---
	6-8	11/19/04	0.0	<10.0	<10.0	<20.0	<20	---
DP-2	0-2	11/19/04	0.0	<10.0	<10.0	<20.0	<20	---
	2-4	11/19/04	0.0	<10.0	<10.0	<20.0	<20	---
	4-6	11/19/04	0.0	<10.0	<10.0	<20.0	<20	---
	6-8	11/19/04	0.0	<10.0	<10.0	<20.0	<20	---
DP-3	0-2	11/18/04	0.4	<10.0	<10.0	<20.0	3,340	213
	2-4	11/18/04	0.3	<10.0	<10.0	<20.0	957	---
	4-6	11/18/04	0.3	<10.0	<10.0	<20.0	893	---
	6-8	11/18/04	0.1	<10.0	<10.0	<20.0	191	---
	8-10	11/18/04	0.0	<10.0	<10.0	<20.0	<20	---
	10-12	11/18/04	0.1	<10.0	<10.0	<20.0	128	---
DP-4	0-2	11/18/04	0.1	<10.0	<10.0	<20.0	9,780	468
	2-4	11/18/04	0.0	<10.0	<10.0	<20.0	7,490	---
	4-6	11/18/04	0.1	<10.0	<10.0	<20.0	7,890	--
	6-8	11/18/04	0.3	<10.0	<10.0	<20.0	12,100	713
	8-10	11/18/04	0.1	<10.0	<10.0	<20.0	8,510	---
	10-12	11/18/04	0.0	<10.0	<10.0	<20.0	5,320	---
	15	01/05/05	--	--	--	--	532	---
	20	01/05/05	--	--	--	--	42.5	---
	30	01/05/05	--	--	--	--	213	---
	40	01/05/05	--	--	--	--	42.5	---
	50	01/05/05	--	--	--	--	--	---
DP-5	0-2	11/18/04	0.0	<10.0	<10.0	<20.0	766	---
	2-4	11/18/04	0.0	<10.0	<10.0	<20.0	7,490	383
	4-6	11/18/04	0.2	<10.0	<10.0	<20.0	574	---
	6-8	11/18/04	0.2	<10.0	<10.0	<20.0	5,000	319
	10 - 12	01/05/05	--	--	--	--	1,450	---

Table 1

Summary of Headspace and Laboratory Analyses of Soil Samples

John Hendrix Corporation, E.E. Drinkard # 3 (Spill Site #1)

Unit Letter D (NW/4, NW/4), Section 25, Township 22 South, Range 37 East

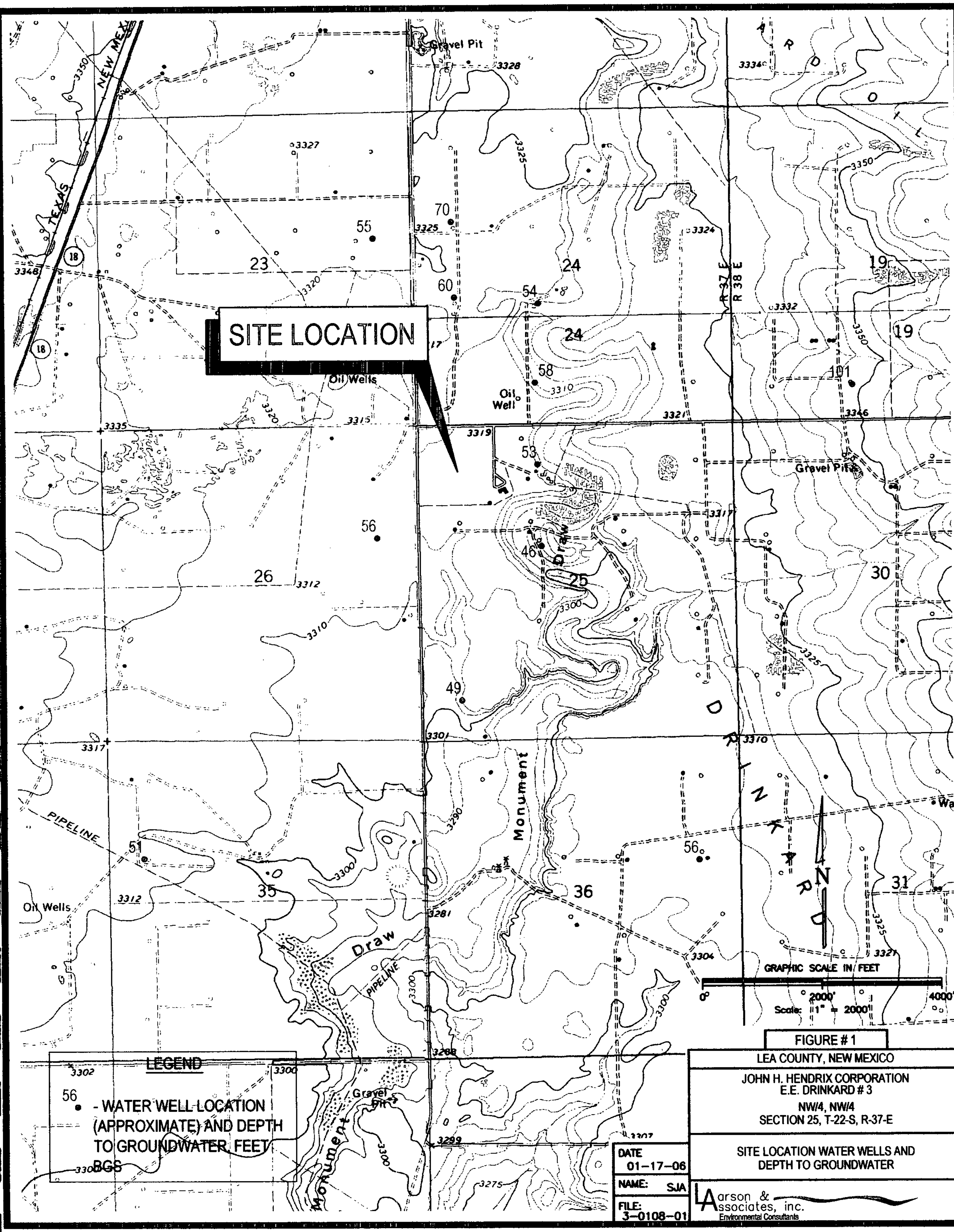
Lea County, New Mexico

Boring Number	Sample Depth (Feet)	Sample Date	PID (ppm)	GRO C6-C12 (mg/kg)	DRO >C12-C35 (mg/kg)	TPH C6-C35 (mg/kg)	Total Chloride (mg/kg)	SPLP Chloride (mg/L)
DP-5	15	01/05/05	--	--	--	--	957	---
	20	01/05/05	--	--	--	--	468	---
	30	01/05/05	--	--	--	--	308	21.3
	40	01/05/05	--	--	--	--	1,530	122
	50	01/05/05	--	--	--	--	596	44.7
DP-6	0-2	11/19/04	0.0	<10.0	<10.0	<20.0	42.5	---
	2-4	11/19/04	0.0	<10.0	<10.0	<20.0	74.4	---
	4-6	11/19/04	0.0	<10.0	<10.0	<20.0	106	---
	6-8	11/19/04	0.2	<10.0	<10.0	<20.0	63.8	---
DP-7	0-2	11/18/04	0.1	<10.0	<10.0	<20.0	936	---
	2-4	11/18/04	0.0	<10.0	<10.0	<20.0	936	---

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

1. Feet: Depth in feet below ground surface
2. GRO: Gasoline range organics
3. DRO: Diesel range organics
4. TPH: Total petroleum hydrocarbons (Sum of DRO + GRO) by EPA Method SW-846-8015
5. mg/kg: Milligrams per kilogram
6. <: Below method detection limit
7. PID: Photoionization detector
8. ppm: Parts per million
9. ---: No data available
10. SPLP: Synthetic Precipitation Leaching Procedure (EPA Method SW-846-1312)
11. mg/L: Milligrams per liter

FIGURES



SITE LOCATION
Gravel Pit
Oil Wells
Oil Well
Gravel Pits
NEW MEX
TEXAS
18
ROAD OIL
DRINKARD
Monument Draw
Monument
Draw
PIPELINE
R 37 E
R 38 E
N
23
24
19
26
25
30
35
36
31
70
55
60
54
58
101
53
56
46
49
51
3350
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3332
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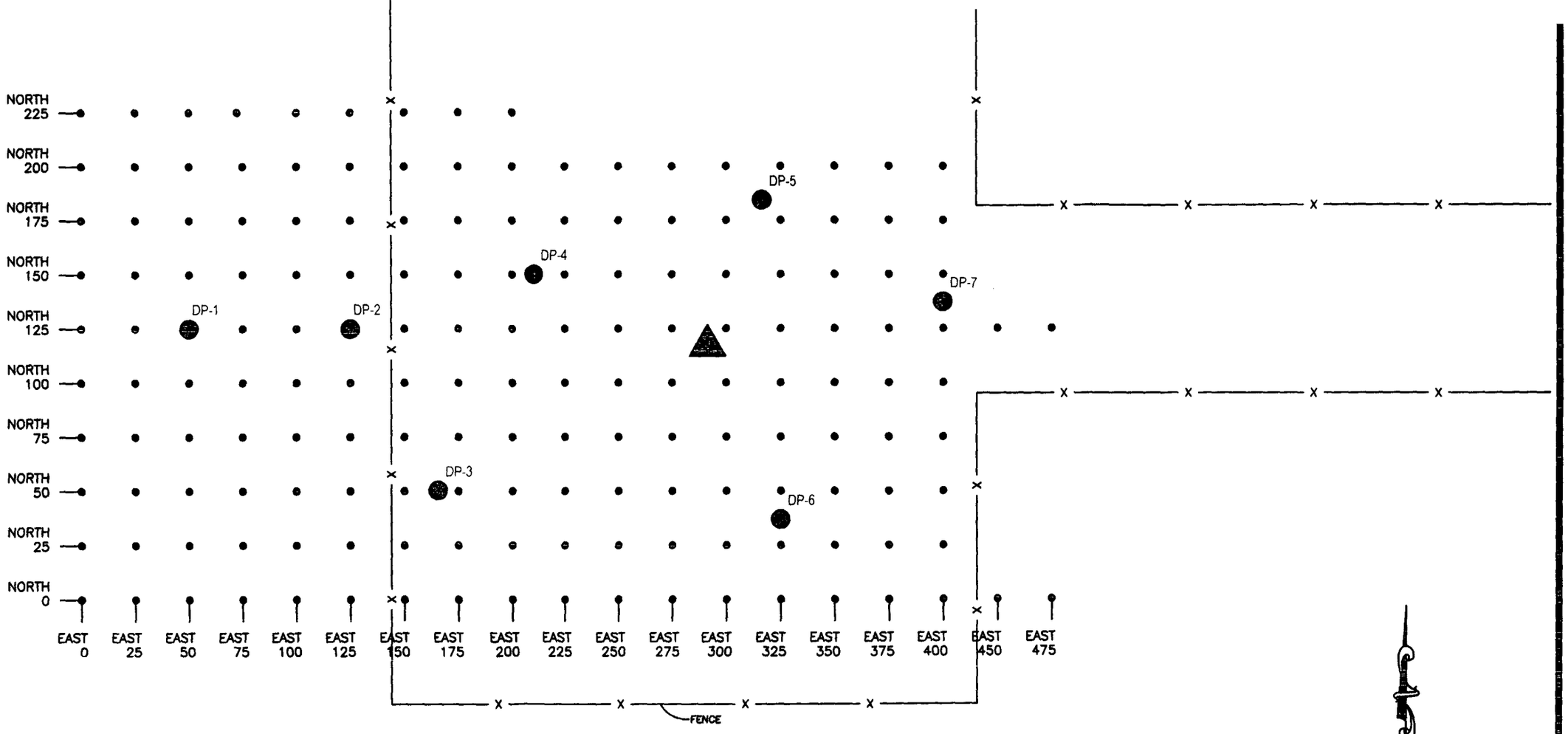
3319
3321
3335
3317
3312
3310
3300
3301
3290
3281
3304
3302
3298
3299
3275
GRAPHIC SCALE IN FEET
0
2000'
4000'
Scale: 1" = 2000'
LEGEND
56
- WATER WELL LOCATION (APPROXIMATE) AND DEPTH TO GROUNDWATER, FEET BGS
FIGURE # 1
LEA COUNTY, NEW MEXICO
JOHN H. HENDRIX CORPORATION
E.E. DRINKARD # 3
NW/4, NW/4
SECTION 25, T-22-S, R-37-E
SITE LOCATION WATER WELLS AND DEPTH TO GROUNDWATER
DATE 01-17-06
NAME: SJA
FILE: 3-0108-01
Larson & Associates, inc.
Environmental Consultants



GRAPHIC SCALE IN FEET

0 60' 120'

Scale: 1" = 60'

LEGEND

- EM - 38 MEASURMENT STATION
- EE DRINKARD #3 WELL LOCATION (PLUGGED)
- DP-1 - SOIL BORING LOCATION

FIGURE # 2

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION
E.E. DRINKARD # 3
NW/4, NW/4
SECTION 25, T-22-S, R-37-E

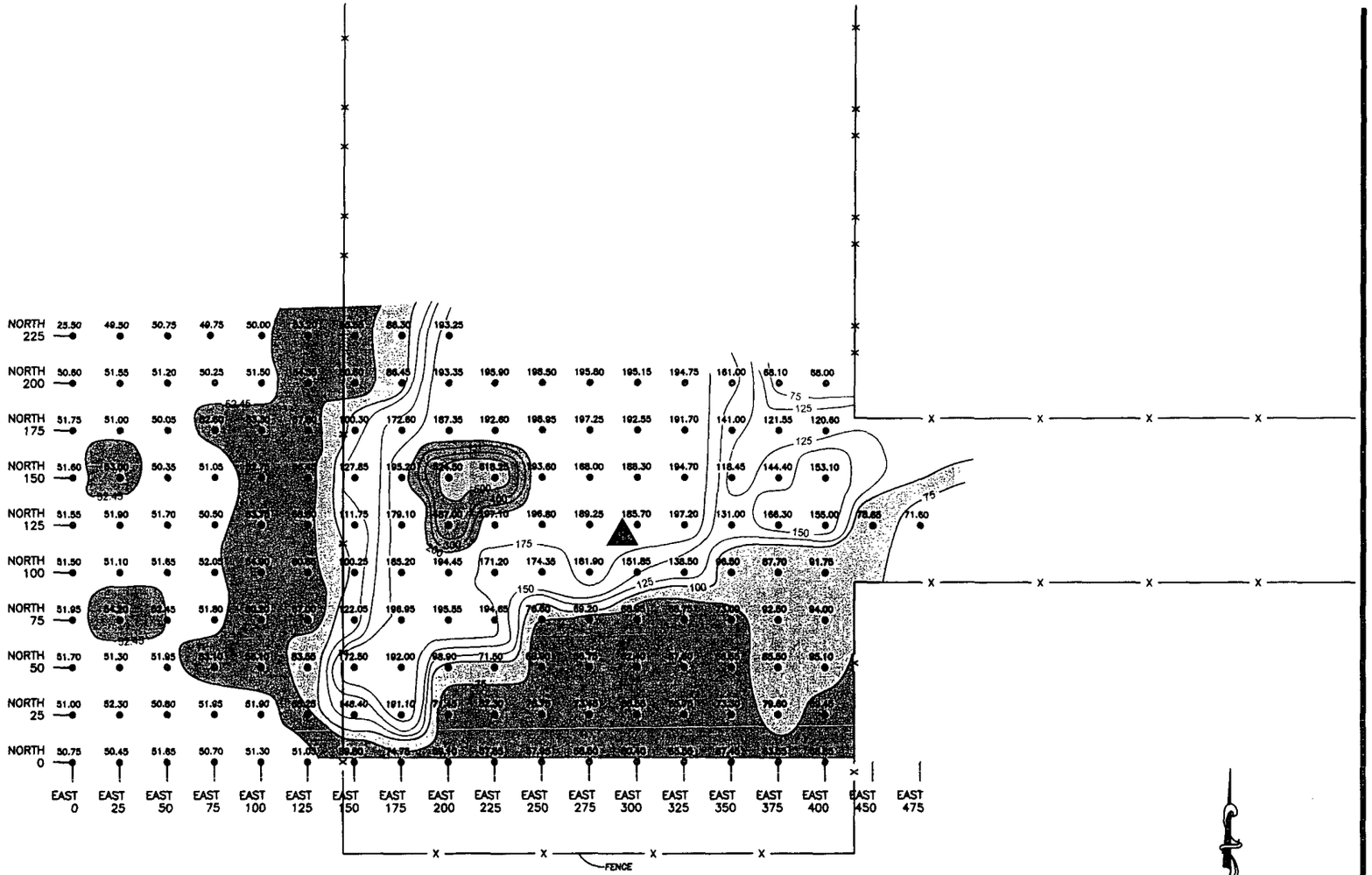
SITE DRAWING

DATE 01-12-06

NAME: SJA

FILE: 3-0108-01

Larson & Associates, inc.
Environmental Consultants



- <52.45 MMHOS/M (LESS THEN BACKGROUND)
- 52.45 TO 75 MMHOS/M (1.0 TO 1.5 TIMES BACKGROUND)
- 75 TO 100 MMHOS/M (1.5 TO 2.0 TIMES BACKGROUND)
- 100 TO 150 MMHOS/M (2.0 TO 3.0 TIMES BACKGROUND)
- 150 TO 200 MMHOS/M (3.0 TO 4.0 TIMES BACKGROUND)
- 200 TO 300 MMHOS/M (4.0 TO 6.0 TIMES BACKGROUND)
- >300 MMHOS/M (GREATER THAN 6.0 TIMES BACKGROUND)

LEGEND

- 51.00 - EM - 38 HD MEASURMENT STATION AND CONDUTIVITY, MMHOS/METER, 11/01/04
- EE DRINKARD #3 WELL LOCATION (PLUGGED)
- 150 - CONTOUR OF EQUAL ELECTROMAGNETIC TERRAIN CONDUCTIVITY, MMHOS/METER. 11/01/04

GRAPHIC SCALE IN FEET

0 60' 120'

Scale: 1" = 60'

FIGURE # 3

LEA COUNTY, NEW MEXICO

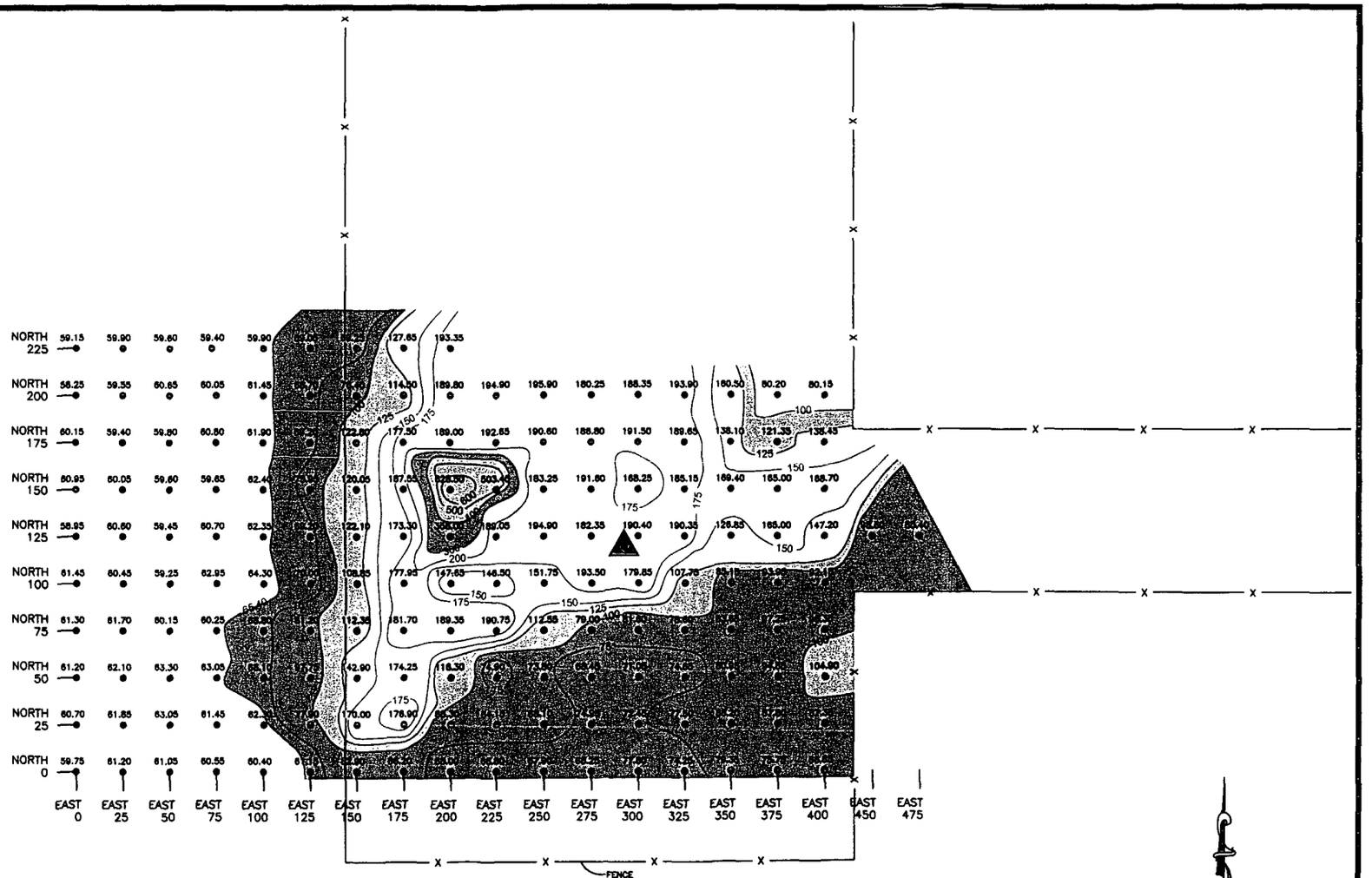
JOHN H. HENDRIX CORPORATION
E.E. DRINKARD # 3
NW/4, NW/4
SECTION 25, T-22-S, R-37-E

EM-38 HD CONDUCTIVITY MAP

EXPLORATION DEPTH: 0 - 2.46 FEET (0 - 0.75 METERS)

DATE 01-12-06
NAME: SJA
FILE: 3-0108-01

Larson & Associates, inc.
Environmental Consultants



- <65.40 MMHOS/M (LESS THEN BACKGROUND)
- 65.40TO 100 MMHOS/M (1.0 TO 1.5 TIMES BACKGROUND)
- 100 TO 125 MMHOS/M (1.5 TO 2.0 TIMES BACKGROUND)
- 125 TO 200 MMHOS/M (2.0 TO 3.0 TIMES BACKGROUND)
- 200 TO 300 MMHOS/M (3.0 TO 5.0 TIMES BACKGROUND)
- 300 TO 400 MMHOS/M (5.0 TO 6.0 TIMES BACKGROUND)
- >400 MMHOS/M (GREATER THAN 6.0 TIMES BACKGROUND)

LEGEND

- 70.00 - EM - 38 VD MEASURMENT STATION AND CONDUTIVITY, MMHOS/METER, 11/01/04
- EE DRINKARD #3 WELL LOCATION (PLUGGED)
- 150 - CONTOUR OF EQUAL ELECTROMAGNETIC TERRAIN CONDUCTIVITY, MMHOS/METER. 11/01/04

GRAPHIC SCALE IN FEET

0 60' 120'

Scale: 1" = 60'

FIGURE # 4

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION
E.E. DRINKARD # 3
NW/4, NW/4
SECTION 25, T-22-S, R-37-E

EM-38 VD CONDUCTIVITY MAP
EXPLORATION DEPTH: 0 - 4.92 FEET (0 - 1.5 METERS)

DATE 01-12-06
NAME: SJA
FILE: 3-0108-01

Larson & Associates, inc.
Environmental Consultants

APPENDICES

APPENDIX A

Form C-141

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: John H. Hendrix		Contact: Marvin Burrows	
Address: Box 910, Eunice, N.M. 88231		Telephone No.: 505-394-2649	
Facility Name: Rincano # 3		Facility Type: Well Location	
Surface Owner: SED Ranch	Mineral Owner: Sims / Kennamn		Lease No.

LOCATION OF RELEASE

API # 30025286720000

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	25	22	37	660	N	660	W	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release: Water		Volume of Release: 100	Volume Recovered: 80
Source of Release: Well		Date and Hour of Occurrence: 9/20/04 9:00 AM	Date and Hour of Discovery: Same
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required		If YES, To Whom? OCD, Land Owner	
By Whom? Tommy Carruth		Date and Hour: 9/21/04 10 AM	
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.*

Drilled out Bridge in Casing @ +- 630'. Encountered Sudden inflow of water.

Describe Area Affected and Cleanup Action Taken.*

Water flow area mostly stayed on well pad. Two small areas along west side of location got some water.

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: Marvin Burrows	OIL CONSERVATION DIVISION	
Printed Name: Marvin Burrows	Approved by District Supervisor:	
Title: Prod. Mgr.	Approval Date:	Expiration Date:
E-mail Address: Myemach@AOL.Com	Conditions of Approval:	Attached ☐
Date: 9/22/04 Phone: 505 394-2649		

* Attach Additional Sheets If Necessary

APPENDIX B

EM-38 Field Sheets

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 0	**3-0108-01**	**Date:** 11/1/2004
Spacing (Ft):	25'		**Start:** 16:06
Direction:	S - N		**Stop:** 16:10

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	50.7	50.8	59.3	60.2	
25 N	50.2	51.8	60.7	60.7	
50 N	52.5	50.9	61.1	61.3	
75 N	52.0	51.9	61.2	61.4	
100 N	51.6	51.4	61.6	60.3	
125 N	50.7	52.4	58.5	59.4	
150 N	51.3	51.9	62.1	59.8	
175 N	52.4	51.1	60.7	59.6	
200 N	49.4	51.8	57.6	58.9	
225 N	49.6	50.4	58.9	59.4	
Background	52.0	52.9	64.9	65.9	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 25	**3-0108-01**	**Date:** 11/1/2004
Spacing (Ft):	25'		**Start:** 16:00
Direction:	N - S		**Stop:** 16:05

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	50.6	50.3	60.6	61.8	
25 N	52.2	52.4	61.3	62.4	
50 N	51.2	51.4	62.3	62.9	
75 N	53.5	54.9	61.0	62.4	
100 N	51.1	51.1	62.3	58.6	
125 N	52.2	51.6	61.3	59.9	
150 N	53.8	52.2	59.7	60.4	
175 N	51.3	50.7	59.4	59.4	
200 N	51.3	51.8	59.0	60.1	
225 N	50.0	49.0	59.4	60.4	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 50		**3-0108-01**	**Date:**	11/1/2004
Spacing (Ft):	25'			**Start:**	15:53
Direction:	S - N			**Stop:**	15:59

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	51.0	52.3	60.9	61.2	
25 N	50.5	51.1	62.8	63.3	
50 N	51.1	52.8	62.6	64.0	
75 N	52.3	52.6	59.6	60.7	
100 N	51.2	52.1	58.8	59.7	
125 N	50.6	52.8	59.1	59.8	
150 N	49.8	50.9	59.0	60.2	
175 N	49.7	50.4	59.9	59.7	
200 N	50.8	51.6	60.7	60.6	
225 N	49.7	51.8	59.7	59.5	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 75		**3-0108-01**	**Date:**	11/1/2004
Spacing (Ft):	25'			**Start:**	15:48
Direction:	N - S			**Stop:**	15:52

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	51.2	50.2	60.5	60.6	
25 N	51.3	52.6	61.2	61.7	
50 N	53.3	52.9	62.7	63.4	
75 N	53.2	50.4	53.2	67.3	
100 N	51.6	52.5	62.0	63.9	
125 N	51.0	50.0	60.6	60.8	
150 N	51.9	50.2	59.3	60.0	
175 N	52.9	52.3	60.3	61.3	
200 N	51.4	49.1	59.9	60.2	
225 N	50.3	49.2	59.0	59.8	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 100	**3-0108-01**	**Date:** 11/1/2004
Spacing (Ft):	25'		**Start:** 15:41
Direction:	S - N		**Stop:** 15:46

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	51.1	51.5	60.5	60.3	
25 N	50.4	51.4	62.7	61.9	
50 N	54.1	58.1	67.7	68.5	
75 N	58.2	62.2	68.4	69.2	
100 N	54.3	55.5	64.8	63.8	
125 N	53.4	54.1	62.2	62.5	
150 N	52.1	53.4	63.0	61.8	
175 N	53.0	53.6	61.6	62.2	
200 N	52.2	50.8	61.3	61.6	
225 N	50.3	49.7	59.6	60.2	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 125		**3-0108-01**	**Date:**	11/1/2004
Spacing (Ft):	25'			**Start:**	15:33
Direction:	N - S			**Stop:**	15:39

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	51.2	50.9	61.3	61.0	
25 N	66.1	64.4	77.6	78.2	
50 N	82.7	84.4	97.0	98.5	
75 N	67.8	66.2	81.1	81.3	
100 N	61.3	60.0	69.4	70.6	
125 N	58.6	59.0	68.6	69.8	
150 N	69.1	63.8	76.6	75.3	
175 N	58.7	56.9	69.3	69.1	
200 N	55.6	53.1	68.7	68.7	
225 N	54.7	51.7	68.8	69.3	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 150		**3-0108-01**	**Date:**	11/1/2004
Spacing (Ft):	25'			**Start:**	15:28
Direction:	S - N			**Stop:**	15:33

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	60.4	59.2	82.7	82.9	
25 N	146.1	150.7	170.6	169.4	
50 N	175.7	169.3	145.5	140.3	
75 N	122.3	121.8	109.1	115.6	
100 N	106.1	94.4	111.1	106.6	
125 N	116.7	106.8	123.1	121.1	
150 N	130.4	125.3	122.0	118.1	
175 N	104.3	96.3	118.7	126.9	
200 N	63.2	58.0	76.1	76.7	
225 N	51.4	55.7	67.2	71.3	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 175	**3-0108-01**	**Date:** 11/1/2004
Spacing (Ft):	25'		**Start:** 15:21
Direction:	N - S		**Stop:** 15:26

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	77.6	71.9	89.6	82.8	
25 N	191.4	190.8	179.2	174.6	
50 N	192.2	191.8	172.4	176.1	
75 N	198.8	195.1	183.9	179.5	
100 N	186.2	184.2	182.3	173.6	
125 N	177.8	180.4	174.2	172.4	
150 N	194.9	195.5	187.5	187.6	
175 N	183.7	161.5	179.9	175.1	
200 N	84.8	84.1	113.9	115.1	
225 N	86.4	86.2	129.0	126.3	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 200	**3-0108-01**	**Date:** 11/1/2004
Spacing (Ft):	25'		**Start:** 15:15
Direction:	S - N		**Stop:** 15:20

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	61.1	57.1	68.5	67.5	
25 N	70.1	72.8	84.8	85.8	
50 N	99.8	98.0	111.7	120.9	
75 N	194.3	196.8	188.9	189.8	
100 N	194.4	194.5	151.0	144.3	
125 N	502.0	472.0	369.0	347.0	
150 N	546.0	503.0	638.0	619.0	
175 N	186.4	188.3	189.8	188.2	
200 N	194.4	192.3	190.7	188.9	
225 N	191.9	194.6	192.9	193.8	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 225		**3-0108-01**	**Date:**	11/1/2004
Spacing (Ft):	25'			**Start:**	15:09
Direction:	N - S			**Stop:**	15:13

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	58.0	57.1	66.4	67.2	
25 N	85.9	78.7	85.2	83.1	
50 N	70.7	72.3	76.4	73.4	
75 N	194.7	194.6	190.2	191.3	
100 N	165.9	176.5	144.8	148.2	
125 N	195.8	198.4	185.8	192.3	
150 N	651.0	585.5	502.9	509.0	
175 N	192.5	192.7	193.1	192.2	
200 N	195.7	196.1	195.0	194.8	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 250		**3-0108-01**	**Date:**	11/1/2004
Spacing (Ft):	25'			**Start:**	15:04
Direction:	S - N			**Stop:**	15:07

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	58.3	57.6	67.6	68.2	
25 N	75.2	78.3	86.3	89.9	
50 N	70.2	67.6	73.8	73.8	
75 N	84.2	69.0	118.8	106.3	
100 N	154.2	194.5	132.8	170.7	
125 N	196.4	197.2	194.6	195.2	
150 N	193.9	193.3	183.2	183.3	
175 N	198.8	199.1	190.4	190.8	
200 N	198.8	198.2	196.1	195.7	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 275		**3-0108-01**	**Date:**	11/1/2004
Spacing (Ft):	25'			**Start:**	14:58
Direction:	N - S			**Stop:**	15:02

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	59.3	57.7	68.2	68.3	
25 N	72.9	74.0	73.6	76.3	
50 N	68.0	65.5	67.7	69.2	
75 N	68.4	70.0	80.2	77.8	
100 N	171.4	192.4	194.3	192.7	
125 N	189.9	188.6	180.3	184.4	
150 N	166.9	179.1	190.7	192.5	
175 N	197.3	197.2	184.6	188.0	
200 N	198.1	193.5	188.8	171.7	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 300		**3-0108-01**	**Date:**	11/1/2004
Spacing (Ft):	25'			**Start:**	14:52
Direction:	S - N			**Stop:**	14:56

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	61.1	59.7	71.7	71.9	
25 N	67.6	65.5	72.1	72.8	
50 N	63.9	60.9	72.1	70.0	
75 N	68.3	69.6	80.7	82.5	
100 N	147.1	166.6	178.7	181.0	
125 N	186.0	185.4	190.9	189.9	
150 N	188.4	188.2	168.9	167.6	
175 N	191.2	193.9	191.6	191.4	
200 N	195.3	195.0	188.6	188.1	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 325		**3-0108-01**	**Date:**	11/1/2004
Spacing (Ft):	25'			**Start:**	14:47
Direction:	N - S			**Stop:**	14:50

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	64.5	66.6	73.5	75.0	
25 N	67.3	64.2	77.6	77.4	
50 N	66.7	68.5	74.5	75.2	
75 N	68.9	68.6	78.2	79.0	
100 N	134.7	142.3	102.2	113.3	
125 N	197.3	197.1	189.6	191.1	
150 N	196.1	193.3	190.5	179.8	
175 N	191.5	191.9	190.3	189.0	
200 N	194.4	195.1	193.3	194.5	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 350	**3-0108-01**	**Date:** 11/1/2004
Spacing (Ft):	25'		**Start:** 14:40
Direction:	S - N		**Stop:** 14:45

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	69.6	65.3	79.4	79.3	
25 N	74.2	72.4	88.2	88.2	
50 N	69.9	67.2	80.1	81.8	
75 N	67.3	78.7	81.1	86.2	
100 N	94.7	98.3	87.1	83.2	
125 N	132.0	130.0	121.7	132.0	
150 N	118.8	118.1	169.7	169.1	
175 N	146.7	135.3	141.1	135.1	
200 N	164.4	157.6	157.2	163.8	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 375		**3-0108-01**	**Date:**	11/1/2004
Spacing (Ft):	25'			**Start:**	14:35
Direction:	N - S			**Stop:**	14:39

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	63.0	64.1	75.5	76.0	
25 N	81.7	77.5	86.6	89.0	
50 N	83.6	87.4	94.5	95.2	
75 N	92.6	92.4	96.0	98.5	
100 N	85.5	89.9	94.1	93.8	
125 N	146.4	186.2	157.8	172.2	
150 N	139.4	149.4	161.1	168.9	
175 N	122.3	120.8	120.8	121.9	
200 N	67.5	68.7	81.3	79.1	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 400		**3-0108-01**	**Date:**	11/1/2004
Spacing (Ft):	25'			**Start:**	14:25
Direction:	S - N			**Stop:**	14:32

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
0 N	68.5	69.2	87.3	86.4	
25 N	68.7	70.2	87.7	87.0	
50 N	92.7	97.5	102.2	107.6	
75 N	96.1	91.9	95.5	97.2	
100 N	89.2	94.3	93.9	90.6	
125 N	155.7	154.3	138.1	156.3	
150 N	156.6	149.6	174.1	163.3	
175 N	123.8	117.4	134.6	142.3	
200 N	64.9	71.1	79.2	81.0	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 425	**3-0108-01**	**Date:** 11/1/2004
Spacing (Ft):	25'		**Start:** 14:38
Direction:	N - S		**Stop:** 14:42

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
125 N	76.8	80.5	99.0	98.2	

Notes:
100 Scale

John H. Hendrix Corporation
E. E. Drinkard #3 EM-38 Survey
U.L. D, Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Profile:	E 450		**3-0108-01**	**Date:**	11/1/2004
Spacing (Ft):	25'			**Start:**	14:45
Direction:	S - N			**Stop:**	14:48

STATION	HD Reading (N - S)	HD Reading (E - W)	VD Reading (N - S)	VD Reading (E - W)	NOTES
125 N	70.6	72.6	84.1	86.7	

Notes:
100 Scale

APPENDIX C

Boring Logs

Client: John Hendrix Corporation

Project: E.E. Drinkard # 3

Project No: 3-0108-01

Location: NW/4, NW/4, Sec. 25, T-22-S, R-37-E

Log: DP-1

Page: 1 of 1

Geologist: C. Crain

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (0.1 – 0.3)	Notes
0		Ground Surface					
		Silty Clayey Sand 7.5 YR 3/2, dark brown quartz sand, moist, fine grained, well sorted	1			0.1	Depth: 0.0' - 2.00' BGS TPH: <20 mg/kg Chloride: <20 mg/kg
			2			0.0	Depth: 2.00' - 4.00' BGS TPH: <20 mg/kg Chloride: <20 mg/kg
5		***Caliche*** 7.5 YR 7/3, pink quartz sand, non-indurated	3			0.0	Depth: 4.00' - 6.00' BGS TPH: <20 mg/kg Chloride: <20 mg/kg
			4			0.0	Depth: 6.00' - 8.00' BGS TPH: <20 mg/kg Chloride: <20 mg/kg
		Refusal at 8'					
10							
15							

Drill Method: Direct Push

Drill Date: 11/19/04

Hole Size: 1.5"

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

Checked by: CKC

Drilled by: Larson & Associates

Client: John Hendrix Corporation

Project: E.E. Drinkard # 3

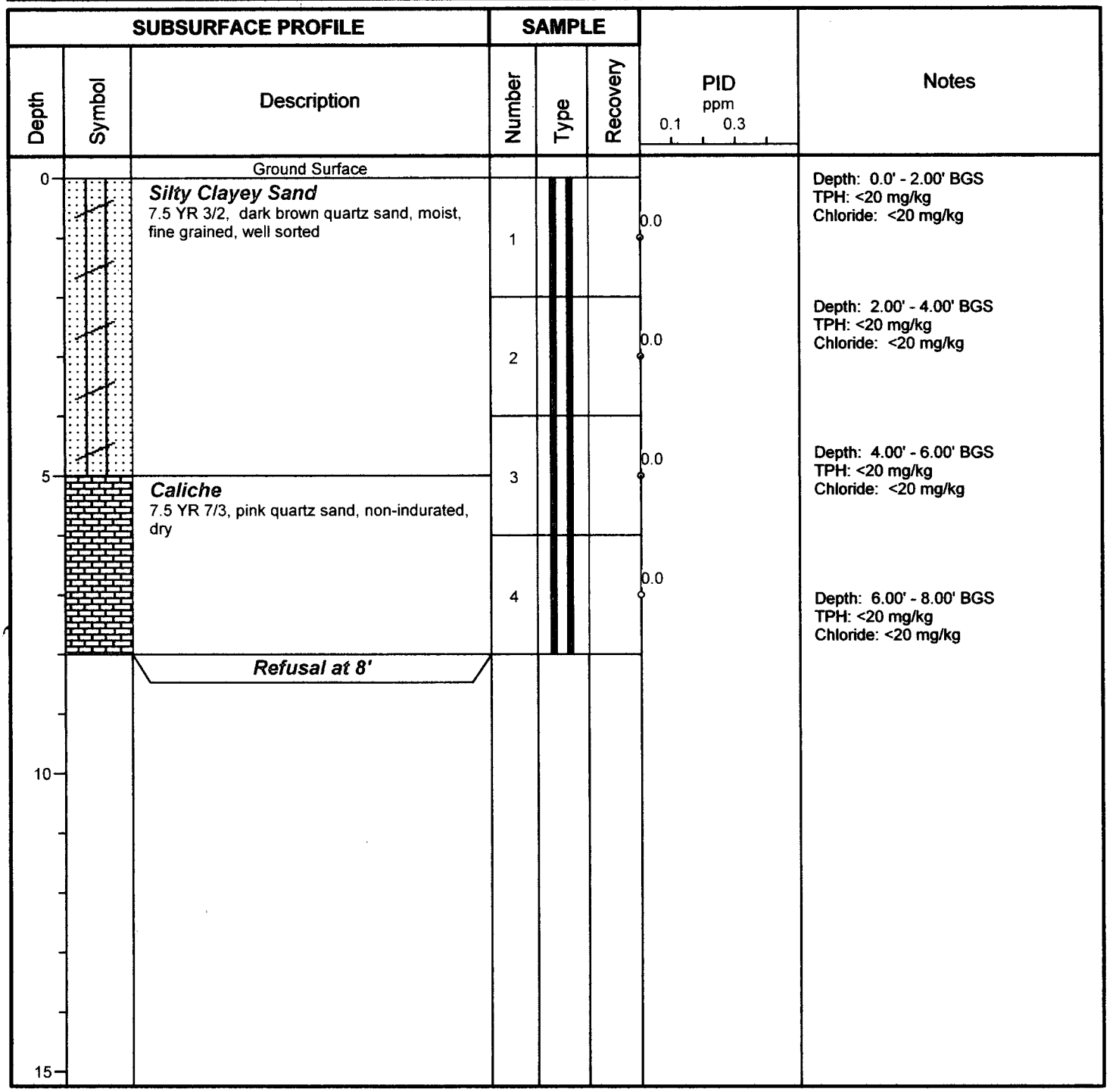
Project No: 3-0108-01

Location: NW/4, NW/4, Sec. 25, T-22-S, R-37-E

Log: DP-2

Page: 1 of 1

Geologist: C. Crain



Drill Method: Direct Push

Drill Date: 11/19/04

Hole Size: 1.5"

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

Checked by: CKC

Drilled by: Larson & Associates

Client: John Hendrix Corporation

Project: E.E. Drinkard # 3

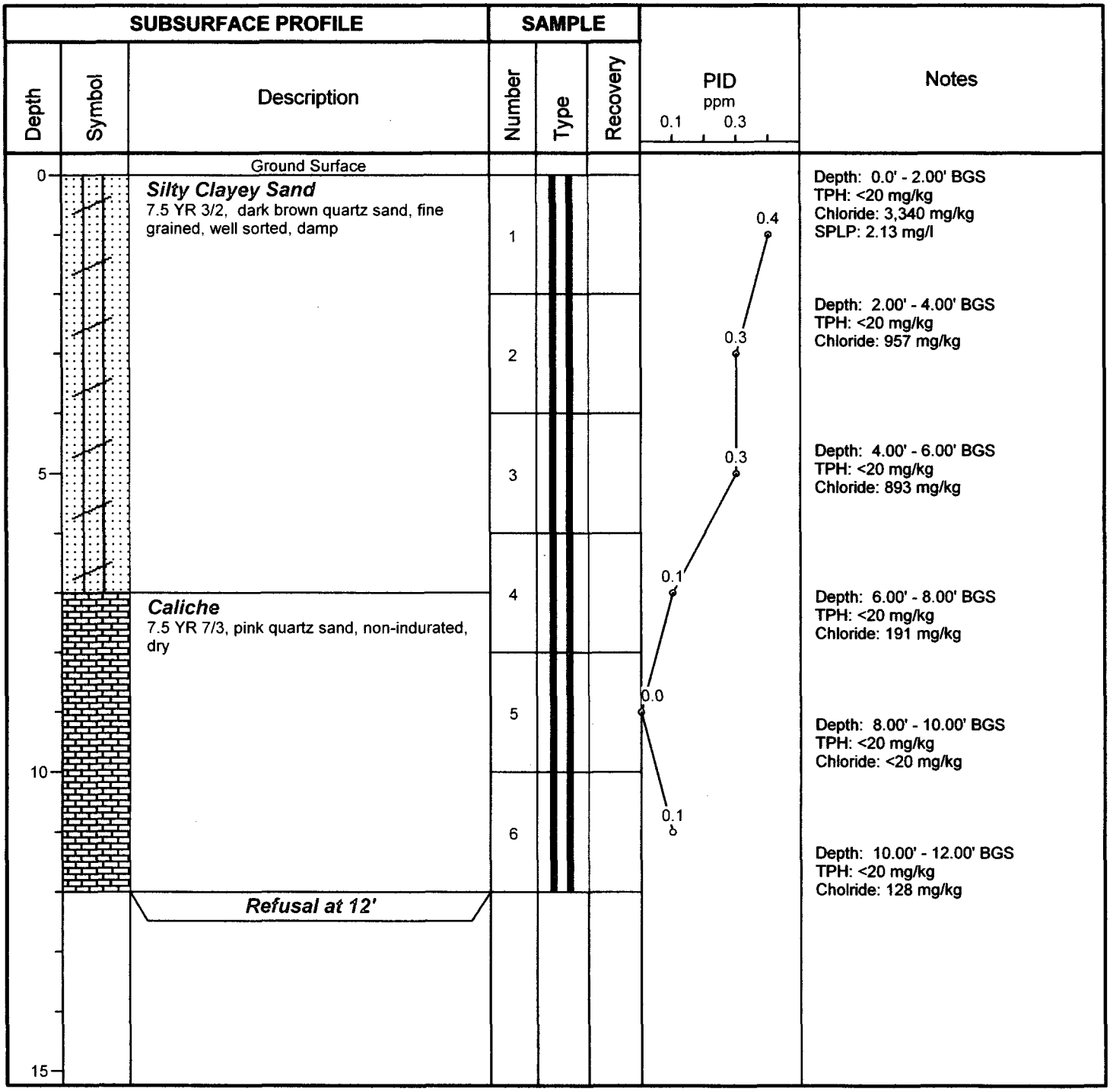
Project No: 3-0108-01

Location: NW/4, NW/4, Sec. 25, T-22-S, R-37-E

Log: DP-3

Page: 1 of 1

Geologist: C. Crain



Drill Method: Direct Push

Drill Date: 11/18/04

Hole Size: 1.5"

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

Checked by: CKC

Drilled by: Larson & Associates

Client: John Hendrix Corporation

Project: E.E. Drinkard # 3

Project No: 3-0108.01

Location: NW/4, NW/4, Sec. 25, T-22-S, R-37-E

Log: DP-4

Page: 1 of 1

Geologist: C. Crain, M. Larson

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (0.1 – 0.3)	Notes
0		Ground Surface					
		Caliche Pad	1			0.1	Depth: 0.0' - 2.0' BGS TPH: <20 mg/kg Chloride: 9,780 mg/kg SPLP: 468 mg/l
		Silty, Clayey Sand 7.5 YR. 3/2, dark brown quartz sand, fine grained, moderately well sorted, damp	2			0.0	
5			3			0.1	
			4			0.3	
		Caliche 7.5 YR. 7/3, pink quartz sand, non-indurated, dry	5			0.1	Depth: 2.0' - 4.0' BGS TPH: <20 mg/kg Chloride: 7,490 mg/kg
10			6			0.0	
		Sand 10 YR. 8/4, very pale brown, very fine grained quartz sand					Depth: 4.0' - 6.0' BGS TPH: <20 mg/kg Chloride: 7,890 mg/kg SPLP: 718 mg/l
15			7				
		Caliche 2.5 Y. 8/2 to 8/3, pale yellow, indurated, hard					Depth: 6.0' - 8.0' BGS TPH: <20 mg/kg Chloride: 12,100 mg/kg
20			8				
		Sand 10 Yr. 8/2 to 8/3, very pale brown, very fine grained quartz sand, poorly sorted, dry, moderatly cemented					Depth: 8.0' - 10.0' BGS TPH: <20 mg/kg Chloride: 8,510 mg/kg
25							
		7.5 YR. 6/4 to 6/6, light brown to reddish yellow below 28', very fine grained quartz sand, loose to moderatly cemented	9				Depth: 10.0' - 12.0' BGS TPH: <20 mg/kg Chloride: 5,320 mg/kg
30							
		10 Yr. 8/2, very pale brown below 35'					Depth: 15.0' BGS Chloride: 532 mg/kg
35							
							Depth: 20.0' BGS Chloride: 42.5 mg/kg
40							
							Depth: 30.0' BGS Chloride: 213 mg/kg
45							
		Shale 7.5 YR. 6/4 to 6/6, light brown to reddish yellow, very fine grained quartz sand, dry	10				Depth: 40.0' BGS Chloride: 42.5 mg/kg
50							
		TD: 51'					
55							
60							
65							
70							

Drill Method: DP and Air Rotery

Drill Date: 1/05/05

Hole Size: 5"

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

Checked by: CKC and MJL

Drilled by: LA & Scarborugh

Client: John Hendrix Corporation

Project: E.E. Drinkard # 3

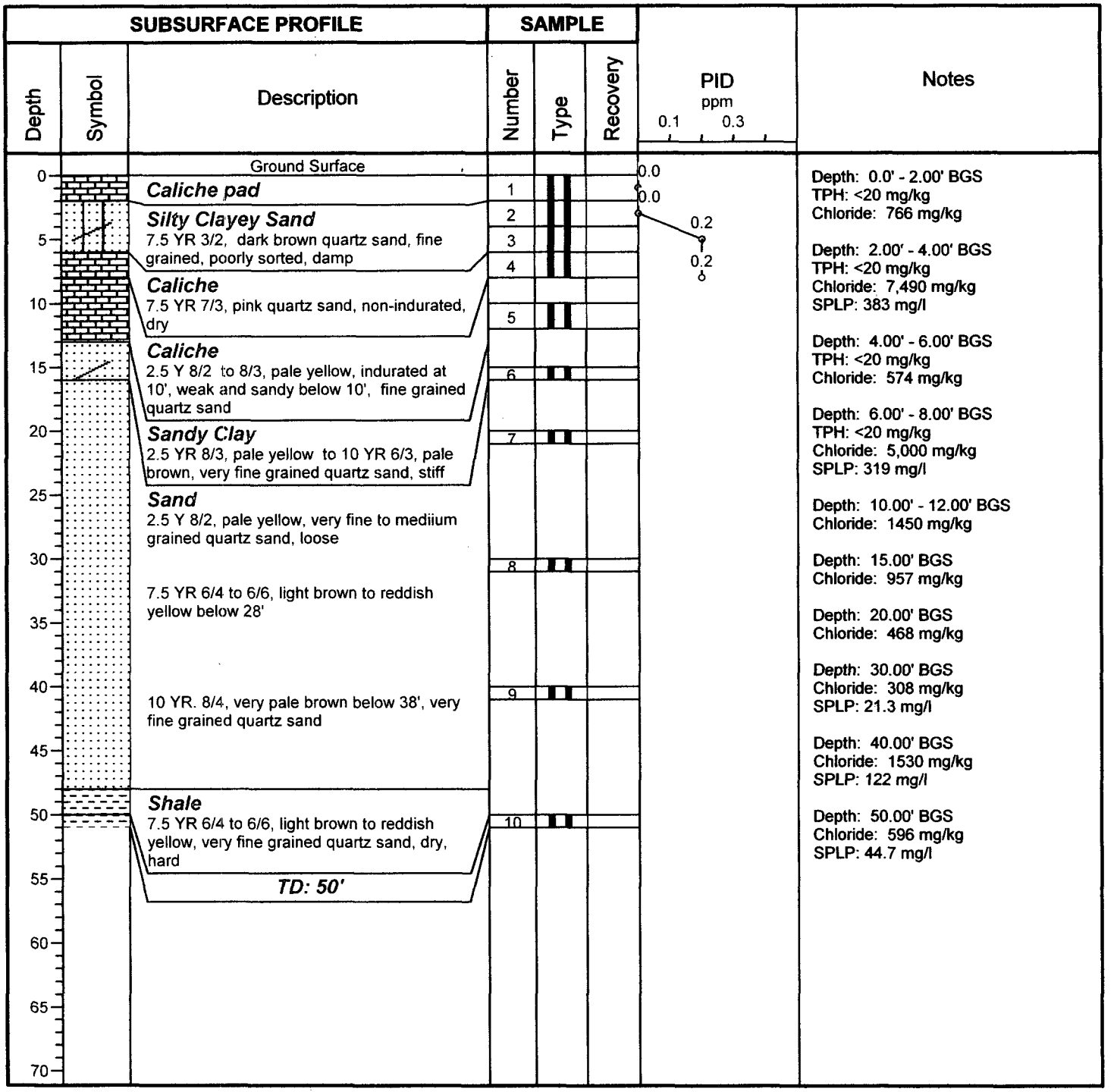
Project No: 3-0108.01

Location: NW/4, NW/4, Sec. 25, T-22-S, R-37-E

Log: DP-5

Page: 1 of 1

Geologist: C. Crain, M. Larson



Drill Method: Direct Push and Air Rotary

Drill Date: 1/05/05

Hole Size: 5"

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

Checked by: CKC and MJL

Drilled by: Larson & Scarborough

Client: John Hendrix Corporation

Project: E.E. Drinkard # 3

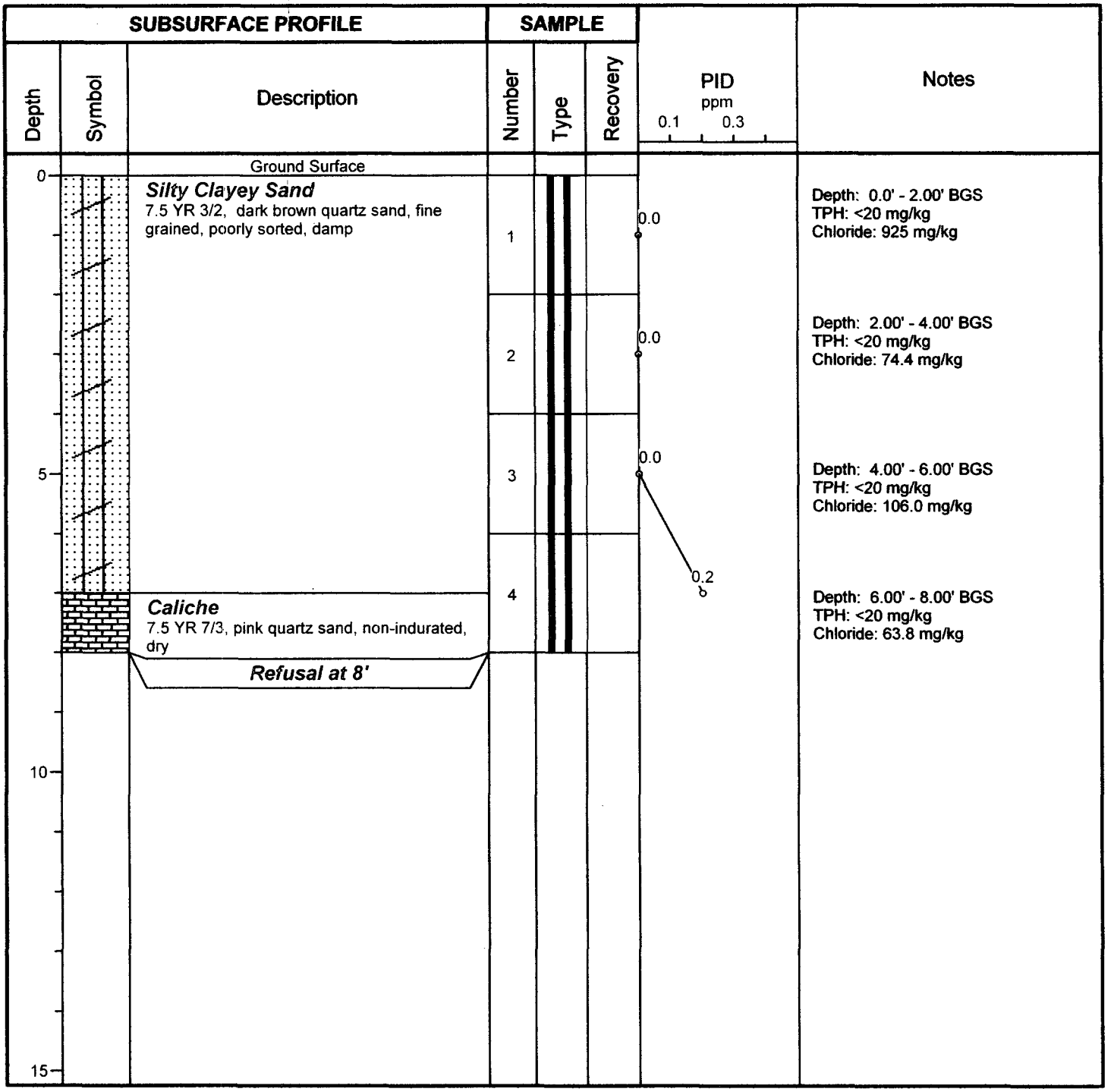
Project No: 3-0108-01

Location: NW/4, NW/4, Sec. 25, T-22-S, R-37-E

Log: DP-6

Page: 1 of 1

Geologist: C. Crain



Drill Method: Direct Push

Drill Date: 11/18/04

Hole Size: 1.5"

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

Checked by: CKC

Drilled by: Larson & Associates

APPENDIX D

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: Hendrix Site #1

Project Number: 3-0108-01

Location: None Given

Lab Order Number: 4K19008

Report Date: 11/24/04

Larson & Associates, Inc.	Project: Hendrix Site #1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-01	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	11/24/04 12:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP-3 (0-2')	4K19008-01	Soil	11/18/04 14:07	11/19/04 13:35
DP-3 (2-4')	4K19008-02	Soil	11/18/04 14:08	11/19/04 13:35
DP-3 (4-6')	4K19008-03	Soil	11/18/04 14:15	11/19/04 13:35
DP-3 (6-8')	4K19008-04	Soil	11/18/04 14:16	11/19/04 13:35
DP-3 (8-10')	4K19008-05	Soil	11/18/04 14:24	11/19/04 13:35
DP-3 (10-12')	4K19008-06	Soil	11/18/04 14:25	11/19/04 13:35
DP-4 (0-2')	4K19008-07	Soil	11/18/04 14:49	11/19/04 13:35
DP-4 (2-4')	4K19008-08	Soil	11/18/04 14:50	11/19/04 13:35
DP-4 (4-6')	4K19008-09	Soil	11/18/04 14:55	11/19/04 13:35
DP-4 (6-8')	4K19008-10	Soil	11/18/04 14:56	11/19/04 13:35
DP-4 (8-10')	4K19008-11	Soil	11/18/04 15:04	11/19/04 13:35
DP-4 (10-12')	4K19008-12	Soil	11/18/04 15:05	11/19/04 13:35
DP-5 (0-2')	4K19008-13	Soil	11/18/04 15:18	11/19/04 13:35
DP-5 (2-4')	4K19008-14	Soil	11/18/04 15:19	11/19/04 13:35
DP-5 (4-6')	4K19008-15	Soil	11/18/04 15:30	11/19/04 13:35
DP-5 (6-8')	4K19008-16	Soil	11/18/04 15:31	11/19/04 13:35
DP-7 (0-2')	4K19008-17	Soil	11/18/04 15:55	11/19/04 13:35
DP-7 (2-4')	4K19008-18	Soil	11/18/04 15:56	11/19/04 13:35
DP-6 (0-2')	4K19008-19	Soil	11/19/04 08:22	11/19/04 13:35
DP-6 (2-4')	4K19008-20	Soil	11/19/04 08:23	11/19/04 13:35
DP-6 (4-6')	4K19008-21	Soil	11/19/04 08:30	11/19/04 13:35
DP-6 (6-8')	4K19008-22	Soil	11/19/04 08:31	11/19/04 13:35
DP-2 (0-2')	4K19008-23	Soil	11/19/04 08:55	11/19/04 13:35
DP-2 (2-4')	4K19008-24	Soil	11/19/04 08:56	11/19/04 13:35
DP-2 (4-6')	4K19008-25	Soil	11/19/04 09:05	11/19/04 13:35
DP-2 (6-8')	4K19008-26	Soil	11/19/04 09:06	11/19/04 13:35
DP-1 (0-2')	4K19008-27	Soil	11/19/04 09:33	11/19/04 13:35
DP-1 (2-4')	4K19008-28	Soil	11/19/04 09:34	11/19/04 13:35
DP-1 (4-6')	4K19008-29	Soil	11/19/04 09:40	11/19/04 13:35
DP-1 (6-8')	4K19008-30	Soil	11/19/04 09:41	11/19/04 13:35

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

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-3 (0-2') (4K19008-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42101	11/19/04	11/20/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.9 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*92.5 %*	*70-130*		"	"	"	"	
DP-3 (2-4') (4K19008-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	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		*115 %*	*70-130*		"	"	"	"	
DP-3 (4-6') (4K19008-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*123 %*	*70-130*		"	"	"	"	
DP-3 (6-8') (4K19008-04) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.3 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.4 %*	*70-130*		"	"	"	"	
DP-3 (8-10') (4K19008-05) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	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		*111 %*	*70-130*		"	"	"	"	

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-3 (10-12') (4K19008-06) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*93.7 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
DP-4 (0-2') (4K19008-07) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	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		*125 %*	*70-130*		"	"	"	"	
DP-4 (2-4') (4K19008-08) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*128 %*	*70-130*		"	"	"	"	
DP-4 (4-6') (4K19008-09) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*125 %*	*70-130*		"	"	"	"	
DP-4 (6-8') (4K19008-10) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	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		*116 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-4 (8-10') (4K19008-11) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*116 %*	*70-130*		"	"	"	"	
DP-4 (10-12') (4K19008-12) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*126 %*	*70-130*		"	"	"	"	
DP-5 (0-2') (4K19008-13) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*122 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*122 %*	*70-130*		"	"	"	"	
DP-5 (2-4') (4K19008-14) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*118 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*121 %*	*70-130*		"	"	"	"	
DP-5 (4-6') (4K19008-15) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	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		*119 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-5 (6-8') (4K19008-16) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*118 %*	*70-130*		"	"	"	"	
DP-7 (0-2') (4K19008-17) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*119 %*	*70-130*		"	"	"	"	
DP-7 (2-4') (4K19008-18) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	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		*119 %*	*70-130*		"	"	"	"	
DP-6 (0-2') (4K19008-19) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*119 %*	*70-130*		"	"	"	"	
DP-6 (2-4') (4K19008-20) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*114 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*125 %*	*70-130*		"	"	"	"	

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-6 (4-6') (4K19008-21) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*123 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*123 %*	*70-130*		"	"	"	"	
DP-6 (6-8') (4K19008-22) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.5 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*92.5 %*	*70-130*		"	"	"	"	
DP-2 (0-2') (4K19008-23) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
DP-2 (2-4') (4K19008-24) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*110 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*119 %*	*70-130*		"	"	"	"	
DP-2 (4-6') (4K19008-25) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/23/04	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		*111 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-2 (6-8') (4K19008-26) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/23/04	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		*118 %*	*70-130*		"	"	"	"	
DP-1 (0-2') (4K19008-27) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*115 %*	*70-130*		"	"	"	"	
DP-1 (2-4') (4K19008-28) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*115 %*	*70-130*		"	"	"	"	
DP-1 (4-6') (4K19008-29) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*114 %*	*70-130*		"	"	"	"	
DP-1 (6-8') (4K19008-30) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK42203	11/22/04	11/23/04	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		*108 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-3 (0-2') (4K19008-01) Soil									
Chloride	**3340**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**15.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-3 (2-4') (4K19008-02) Soil									
Chloride	**957**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**9.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-3 (4-6') (4K19008-03) Soil									
Chloride	**893**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**9.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-3 (6-8') (4K19008-04) Soil									
Chloride	**191**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**8.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-3 (8-10') (4K19008-05) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**13.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-3 (10-12') (4K19008-06) Soil									
Chloride	**128**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**15.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-4 (0-2') (4K19008-07) Soil									
Chloride	**9780**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**12.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-4 (2-4') (4K19008-08) Soil									
Chloride	**7490**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**8.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-4 (4-6') (4K19008-09) Soil									
Chloride	**7890**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**8.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-4 (6-8') (4K19008-10) Soil									
Chloride	**12100**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**15.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-4 (8-10') (4K19008-11) Soil									
Chloride	**8510**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**12.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-4 (10-12') (4K19008-12) Soil									
Chloride	**5320**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**17.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-5 (0-2') (4K19008-13) Soil									
Chloride	**766**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**16.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-5 (2-4') (4K19008-14) Soil									
Chloride	**7490**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**13.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-5 (4-6') (4K19008-15) Soil									
Chloride	**574**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**10.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-5 (6-8') (4K19008-16) Soil									
Chloride	**5000**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**11.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-7 (0-2') (4K19008-17) Soil									
Chloride	**936**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**17.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-7 (2-4') (4K19008-18) Soil									
Chloride	**936**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**17.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-6 (0-2') (4K19008-19) Soil									
Chloride	**42.5**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**16.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-6 (2-4') (4K19008-20) Soil									
Chloride	**74.4**	20.0	mg/kg Wet	2	EK42411	11/22/04	11/23/04	SW 846 9253	
% Moisture	**10.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-6 (4-6') (4K19008-21) Soil									
Chloride	**106**	20.0	mg/kg Wet	2	EK42412	11/22/04	11/23/04	SW 846 9253	
% Moisture	**6.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-6 (6-8') (4K19008-22) Soil									
Chloride	**63.8**	20.0	mg/kg Wet	2	EK42412	11/22/04	11/23/04	SW 846 9253	
% Moisture	**13.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-2 (0-2') (4K19008-23) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK42412	11/22/04	11/23/04	SW 846 9253	
% Moisture	**11.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-2 (2-4') (4K19008-24) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK42412	11/22/04	11/23/04	SW 846 9253	
% Moisture	**10.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	

General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-2 (4-6') (4K19008-25) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK42412	11/22/04	11/23/04	SW 846 9253	
% Moisture	**12.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-2 (6-8') (4K19008-26) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK42412	11/22/04	11/23/04	SW 846 9253	
% Moisture	**19.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-1 (0-2') (4K19008-27) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK42412	11/22/04	11/23/04	SW 846 9253	
% Moisture	**10.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-1 (2-4') (4K19008-28) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK42412	11/22/04	11/23/04	SW 846 9253	
% Moisture	**10.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-1 (4-6') (4K19008-29) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK42412	11/22/04	11/23/04	SW 846 9253	
% Moisture	**12.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	
DP-1 (6-8') (4K19008-30) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK42412	11/22/04	11/23/04	SW 846 9253	
% Moisture	**13.0**		%	1	EK42211	11/19/04	11/22/04	% calculation	

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK42101 - Solvent Extraction (GC)										
Blank (EK42101-BLK1)				Prepared & Analyzed: 11/19/04						
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	*35.4*		"	*50.0*		*70.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.4*		"	*50.0*		*74.8*	*70-130*			
Blank (EK42101-BLK2)				Prepared: 11/19/04 Analyzed: 11/20/04						
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	*35.4*		"	*50.0*		*70.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.5*		"	*50.0*		*77.0*	*70-130*			
LCS (EK42101-BS1)				Prepared & Analyzed: 11/19/04						
Gasoline Range Organics C6-C12	450	10.0	mg/kg wet	500		90.0	75-125			
Diesel Range Organics >C12-C35	573	10.0	"	500		115	75-125			
Total Hydrocarbon C6-C35	1020	10.0	"	1000		102	75-125			
Surrogate: 1-Chlorooctane	*49.7*		"	*50.0*		*99.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.4*		"	*50.0*		*98.8*	*70-130*			
LCS (EK42101-BS2)				Prepared: 11/19/04 Analyzed: 11/20/04						
Gasoline Range Organics C6-C12	417	10.0	mg/kg wet	500		83.4	75-125			
Diesel Range Organics >C12-C35	594	10.0	"	500		119	75-125			
Total Hydrocarbon C6-C35	1010	10.0	"	1000		101	75-125			
Surrogate: 1-Chlorooctane	*52.1*		"	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.6*		"	*50.0*		*101*	*70-130*			
Calibration Check (EK42101-CCV1)				Prepared: 11/19/04 Analyzed: 11/20/04						
Gasoline Range Organics C6-C12	449		mg/kg	500		89.8	80-120			
Diesel Range Organics >C12-C35	555		"	500		111	80-120			
Total Hydrocarbon C6-C35	1000		"	1000		100	80-120			
Surrogate: 1-Chlorooctane	*49.9*		*mg/kg wet*	*50.0*		*99.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.8*		"	*50.0*		*97.6*	*70-130*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK42101 - Solvent Extraction (GC)										
Calibration Check (EK42101-CCV2)				Prepared: 11/19/04 Analyzed: 11/20/04						
Gasoline Range Organics C6-C12	451		mg/kg	500		90.2	80-120			
Diesel Range Organics >C12-C35	586		"	500		117	80-120			
Total Hydrocarbon C6-C35	1040		"	1000		104	80-120			
Surrogate: 1-Chlorooctane	*50.5*		*mg/kg wet*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.6*		*"*	*50.0*		*97.2*	*70-130*			
Matrix Spike (EK42101-MS1)		**Source: 4K18004-02**		Prepared & Analyzed: 11/19/04						
Gasoline Range Organics C6-C12	403	10.0	mg/kg dry	532	ND	75.8	75-125			
Diesel Range Organics >C12-C35	515	10.0	"	532	ND	96.8	75-125			
Total Hydrocarbon C6-C35	918	10.0	"	1060	ND	86.6	75-125			
Surrogate: 1-Chlorooctane	*46.9*		*"*	*53.2*		*88.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.2*		*"*	*53.2*		*83.1*	*70-130*			
Matrix Spike (EK42101-MS2)		**Source: 4K19007-12**		Prepared: 11/19/04 Analyzed: 11/20/04						
Gasoline Range Organics C6-C12	486	10.0	mg/kg dry	515	ND	94.4	75-125			
Diesel Range Organics >C12-C35	612	10.0	"	515	ND	119	75-125			
Total Hydrocarbon C6-C35	1100	10.0	"	1030	ND	107	75-125			
Surrogate: 1-Chlorooctane	*53.7*		*"*	*51.5*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.0*		*"*	*51.5*		*101*	*70-130*			
Matrix Spike Dup (EK42101-MSD1)		**Source: 4K18004-02**		Prepared & Analyzed: 11/19/04						
Gasoline Range Organics C6-C12	468	10.0	mg/kg dry	532	ND	88.0	75-125	14.9	20	
Diesel Range Organics >C12-C35	540	10.0	"	532	ND	102	75-125	4.74	20	
Total Hydrocarbon C6-C35	1040	10.0	"	1060	ND	98.1	75-125	12.5	20	
Surrogate: 1-Chlorooctane	*54.4*		*"*	*53.2*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.2*		*"*	*53.2*		*98.1*	*70-130*			
Matrix Spike Dup (EK42101-MSD2)		**Source: 4K19007-12**		Prepared: 11/19/04 Analyzed: 11/20/04						
Gasoline Range Organics C6-C12	464	10.0	mg/kg dry	515	ND	90.1	75-125	4.63	20	
Diesel Range Organics >C12-C35	603	10.0	"	515	ND	117	75-125	1.48	20	
Total Hydrocarbon C6-C35	1070	10.0	"	1030	ND	104	75-125	2.76	20	
Surrogate: 1-Chlorooctane	*50.6*		*"*	*51.5*		*98.3*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.0*		*"*	*51.5*		*95.1*	*70-130*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK42203 - Solvent Extraction (GC)										
Blank (EK42203-BLK1)				Prepared & Analyzed: 11/22/04						
Gasoline Range Organics C6-C12	ND	1.00	mg/kg wet							
Diesel Range Organics >C12-C35	ND	1.00	"							
Total Hydrocarbon C6-C35	ND	1.00	"							
Surrogate: 1-Chlorooctane	*40.9*		"	*50.0*		*81.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.9*		"	*50.0*		*97.8*	*70-130*			
Blank (EK42203-BLK2)				Prepared & Analyzed: 11/22/04						
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	*42.1*		"	*50.0*		*84.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.7*		"	*50.0*		*99.4*	*70-130*			
LCS (EK42203-BS1)				Prepared & Analyzed: 11/22/04						
Gasoline Range Organics C6-C12	449	10.0	mg/kg wet	500		89.8	75-125			
Diesel Range Organics >C12-C35	489	10.0	"	500		97.8	75-125			
Total Hydrocarbon C6-C35	938	10.0	"	1000		93.8	75-125			
Surrogate: 1-Chlorooctane	*38.7*		"	*50.0*		*77.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.4*		"	*50.0*		*80.8*	*70-130*			
LCS (EK42203-BS2)				Prepared & Analyzed: 11/22/04						
Gasoline Range Organics C6-C12	450	10.0	mg/kg wet	500		90.0	75-125			
Diesel Range Organics >C12-C35	481	10.0	"	500		96.2	75-125			
Total Hydrocarbon C6-C35	931	10.0	"	1000		93.1	75-125			
Surrogate: 1-Chlorooctane	*39.4*		"	*50.0*		*78.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.4*		"	*50.0*		*76.8*	*70-130*			
Calibration Check (EK42203-CCV1)				Prepared & Analyzed: 11/22/04						
Gasoline Range Organics C6-C12	455		mg/kg	500		91.0	80-120			
Diesel Range Organics >C12-C35	521		"	500		104	80-120			
Total Hydrocarbon C6-C35	976		"	1000		97.6	80-120			
Surrogate: 1-Chlorooctane	*58.8*		*mg/kg wet*	*50.0*		*118*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.6*		"	*50.0*		*123*	*70-130*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK42203 - Solvent Extraction (GC)										
Calibration Check (EK42203-CCV2)				Prepared & Analyzed: 11/22/04						
Gasoline Range Organics C6-C12	478		mg/kg	500		95.6	80-120			
Diesel Range Organics >C12-C35	583		"	500		117	80-120			
Total Hydrocarbon C6-C35	1060		"	1000		106	80-120			
Surrogate: 1-Chlorooctane	*60.0*		*mg/kg wet*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*62.2*		*"*	*50.0*		*124*	*70-130*			
Matrix Spike (EK42203-MS1)		**Source: 4K19008-02**		Prepared & Analyzed: 11/22/04						
Gasoline Range Organics C6-C12	499	10.0	mg/kg dry	549	ND	90.9	75-125			
Diesel Range Organics >C12-C35	619	10.0	"	549	ND	113	75-125			
Total Hydrocarbon C6-C35	1120	10.0	"	1100	ND	102	75-125			
Surrogate: 1-Chlorooctane	*62.6*		*"*	*54.9*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*63.2*		*"*	*54.9*		*115*	*70-130*			
Matrix Spike (EK42203-MS2)		**Source: 4K19008-22**		Prepared: 11/22/04 Analyzed: 11/23/04						
Gasoline Range Organics C6-C12	560	10.0	mg/kg dry	575	ND	97.4	75-125			
Diesel Range Organics >C12-C35	653	10.0	"	575	ND	114	75-125			
Total Hydrocarbon C6-C35	1210	10.0	"	1150	ND	105	75-125			
Surrogate: 1-Chlorooctane	*70.6*		*"*	*57.5*		*123*	*70-130*			
Surrogate: 1-Chlorooctadecane	*71.1*		*"*	*57.5*		*124*	*70-130*			
Matrix Spike Dup (EK42203-MSD1)		**Source: 4K19008-02**		Prepared & Analyzed: 11/22/04						
Gasoline Range Organics C6-C12	533	10.0	mg/kg dry	549	ND	97.1	75-125	6.59	20	
Diesel Range Organics >C12-C35	625	10.0	"	549	ND	114	75-125	0.965	20	
Total Hydrocarbon C6-C35	1160	10.0	"	1100	ND	105	75-125	3.51	20	
Surrogate: 1-Chlorooctane	*68.3*		*"*	*54.9*		*124*	*70-130*			
Surrogate: 1-Chlorooctadecane	*69.1*		*"*	*54.9*		*126*	*70-130*			
Matrix Spike Dup (EK42203-MSD2)		**Source: 4K19008-22**		Prepared: 11/22/04 Analyzed: 11/23/04						
Gasoline Range Organics C6-C12	567	10.0	mg/kg dry	575	ND	98.6	75-125	1.24	20	
Diesel Range Organics >C12-C35	669	10.0	"	575	ND	116	75-125	2.42	20	
Total Hydrocarbon C6-C35	1240	10.0	"	1150	ND	108	75-125	2.45	20	
Surrogate: 1-Chlorooctane	*70.4*		*"*	*57.5*		*122*	*70-130*			
Surrogate: 1-Chlorooctadecane	*71.1*		*"*	*57.5*		*124*	*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 EK42211 - General Preparation (Prep)										
Blank (EK42211-BLK1)				Prepared: 11/19/04 Analyzed: 11/22/04						
% Moisture	0.0		%							
Duplicate (EK42211-DUP1)		**Source: 4K19001-01**		Prepared: 11/19/04 Analyzed: 11/22/04						
% Moisture	2.0		%		2.0			0.00	20	
Batch EK42411 - Water Extraction										
Blank (EK42411-BLK1)				Prepared: 11/22/04 Analyzed: 11/23/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EK42411-MS1)		**Source: 4K19008-02**		Prepared: 11/22/04 Analyzed: 11/23/04						
Chloride	1450	20.0	mg/kg Wet	500	957	98.6	80-120			
Matrix Spike Dup (EK42411-MSD1)		**Source: 4K19008-02**		Prepared: 11/22/04 Analyzed: 11/23/04						
Chloride	1460	20.0	mg/kg Wet	500	957	101	80-120	0.687	20	
Reference (EK42411-SRM1)				Prepared & Analyzed: 11/23/04						
Chloride	5000		mg/kg	5000		100	80-120			
Batch EK42412 - Water Extraction										
Blank (EK42412-BLK1)				Prepared: 11/22/04 Analyzed: 11/23/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EK42412-MS1)		**Source: 4K19008-22**		Prepared: 11/22/04 Analyzed: 11/23/04						
Chloride	532	20.0	mg/kg Wet	500	63.8	93.6	80-120			

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 EK42412 - Water Extraction										
Matrix Spike Dup (EK42412-MSD1)	**Source: 4K19008-22**			Prepared: 11/22/04 Analyzed: 11/23/04						
Chloride	542	20.0	mg/kg Wet	500	63.8	95.6	80-120	1.86	20	
Reference (EK42412-SRM1)				Prepared & Analyzed: 11/23/04						
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: Raland K Tuttle Date: 11-24-04

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.

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

Client: Larson + Associates

Date/Time: 11-19-04 @ 1445

Order #: 4K19008

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	2.0 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	
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

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

CLIENT NAME: Hendrix
SITE MANAGER: Cindy Crain
PROJECT NO.: 3-0108-01
PROJECT NAME: Site #1
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)
11/18/04	1407		✓		DP-3 (0-2')	1	✓	✓	411 9008-01	
"	1408		✓		" (2-4')	1	✓	✓	-02	
"	1415		✓		" (4-6')	1	✓	✓	-03	
"	1416		✓		" (6-8')	1	✓	✓	-04	
"	1424		✓		" (8-10')	1	✓	✓	-05	
"	1425		✓		" (10-12')	1	✓	✓	-06	
"	1449		✓		DP-4 (0-2')	1	✓	✓	-07	
"	1450		✓		" (2-4')	1	✓	✓	-08	
"	1455		✓		" (4-6')	1	✓	✓	-09	
"	1456		✓		" (6-8')	1	✓	✓	-10	
"	1504		✓		" (8-10')	1	✓	✓	-11	
"	1505		✓		" (10-12')	1	✓	✓	-12	
"	1518		✓		DP-5 (0-2')	1	✓	✓	-13	
"	1519		✓		" (2-4')	1	✓	✓	-14	
"	1530		✓		" (4-6')	1	✓	✓	-15	
"	1531		✓		" (6-8')	1	✓	✓	-16	
"	1555		✓		DP-7 (0-2')	1	✓	✓	-17	
"	1556		✓		" (2-4')	1	✓	✓	-18	

SAMPLED BY: (Signature) DATE: 11/19/04 TIME: 1132
RELINQUISHED BY: (Signature) DATE: 11/19/04 TIME: 1335
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) Deana Mercury
DATE: 11-19-04 TIME: 1335

SAMPLE CONDITION WHEN RECEIVED: 2.0°C 4oz glass on ice
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: Hendrix

SITE MANAGER: Cindy Crain

PROJECT NO.: 3-0108-01

PROJECT NAME: Site #1

PAGE 2 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)
11/19/04	0822		✓		DP-6 (0-2')	1	✓	✓	4K19008-19	
"	0823		✓		" (2-4')	1	✓	✓	-20	
"	0830		✓		" (4-6')	1	✓	✓	-21	
"	0831		✓		" (6-8')	1	✓	✓	-22	
"	0855		✓		DP-2 (0-2')	1	✓	✓	-23	
"	0856		✓		" (2-4')	1	✓	✓	-24	
"	0905		✓		" (4-6')	1	✓	✓	-25	
"	0906		✓		" (6-8')	1	✓	✓	-26	
"	0933		✓		DP-1 (0-2')	1	✓	✓	-27	
"	0934		✓		" (2-4')	1	✓	✓	-28	
"	0940		✓		" (4-6')	1	✓	✓	-29	
"	0941		✓		" (6-8')	1	✓	✓	30	

SAMPLED BY: (Signature) DATE: 11/19/04 TIME: 1730

RELINQUISHED BY: (Signature) DATE: 11/19/04 TIME: 1335

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

RECEIVED BY: (Signature) Jeanne McMurry
DATE: 11-19-04 TIME: 1535

SAMPLE CONDITION WHEN RECEIVED: 2.0°C 4oz glass on ice

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: Hendrix Site #1

Project Number: 3-0108-01

Location: None Given

Lab Order Number: 4L13001

Report Date: 12/15/04

Larson & Associates, Inc.	Project: Hendrix Site #1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-01	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	12/15/04 12:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP-3 (0-2')	4L13001-01	Soil	11/18/04 14:07	11/19/04 13:35
DP-4 (0-2')	4L13001-02	Soil	11/18/04 14:49	11/19/04 13:35
DP-4 (6-8')	4L13001-03	Soil	11/18/04 14:56	11/19/04 13:35
DP-5 (2-4')	4L13001-04	Soil	11/18/04 15:19	11/19/04 13:35
DP-5 (6-8)	4L13001-05	Soil	11/18/04 15:31	11/19/04 13:35

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

Larson & Associates, Inc.	Project: Hendrix Site #1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-01	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	12/15/04 12:51

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-3 (0-2') (4L13001-01) Soil									
Chloride	**213**	10.0	mg/L	1	EL41511	12/15/04	12/15/04	1312/9253	
DP-4 (0-2') (4L13001-02) Soil									
Chloride	**468**	10.0	mg/L	1	EL41511	12/15/04	12/15/04	1312/9253	
DP-4 (6-8') (4L13001-03) Soil									
Chloride	**713**	10.0	mg/L	1	EL41511	12/15/04	12/15/04	1312/9253	
DP-5 (2-4') (4L13001-04) Soil									
Chloride	**383**	10.0	mg/L	1	EL41511	12/15/04	12/15/04	1312/9253	
DP-5 (6-8) (4L13001-05) Soil									
Chloride	**319**	10.0	mg/L	1	EL41511	12/15/04	12/15/04	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 EL41511 - EPA 1312/9253										
Blank (EL41511-BLK1)				Prepared & Analyzed: 12/15/04						
Chloride	0.00	10.0	mg/L							
Matrix Spike (EL41511-MS1)		Source: 4L13001-03		Prepared & Analyzed: 12/15/04						
Chloride	1200	10.0	mg/L	500	713	97.4	80-120			
Matrix Spike Dup (EL41511-MSD1)		Source: 4L13001-03		Prepared & Analyzed: 12/15/04						
Chloride	1200	10.0	mg/L	500	713	97.4	80-120	0.00	20	
Reference (EL41511-SRM1)				Prepared & Analyzed: 12/15/04						
Chloride	4940		mg/L	5000		98.8	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: 12/15/04

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.

CLIENT NAME: Hendrix

SITE MANAGER: Cindy Crain

PROJECT NO.: 3-0108-01

PROJECT NAME: Site #1

PAGE 1 OF 2

LAB. PO #

CHAIN—OF—CUSTODY RECORD

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

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH 8015M	Chloride	SPLP Chloride Add 12-13 C4 as IC attached e-mail	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
11/18/04	1407		✓		DP-3 (0-2')	1	✓	✓	X	4K19008-01	4L13001 -01 Resubmit
"	1408		✓		" (2-4')	1	✓	✓		-02	
"	1415		✓		" (4-6')	1	✓	✓		-03	
"	1416		✓		" (6-8')	1	✓	✓		-04	
"	1424		✓		" (8-10')	1	✓	✓		-05	
"	1425		✓		" (10-12')	1	✓	✓		-06	
"	1449		✓		DP-4 (0-2')	1	✓	✓	X	-07	-02
"	1450		✓		" (2-4')	1	✓	✓		-08	
"	1455		✓		" (4-6')	1	✓	✓		-09	
"	1456		✓		" (6-8')	1	✓	✓	X	-10	-03
"	1504		✓		" (8-10')	1	✓	✓		-11	
"	1505		✓		" (10-12')	1	✓	✓		-12	
"	1518		✓		DP-5 (0-2')	1	✓	✓		-13	
"	1519		✓		" (2-4')	1	✓	✓	X	-14	-04
"	1530		✓		" (4-6')	1	✓	✓		-15	
"	1531		✓		" (6-8')	1	✓	✓	X	-16	-05
"	1555		✓		DP-1 (0-2')	1	✓	✓		-17	
"	1556		✓		" (2-4')	1	✓	✓		-18	

SAMPLED BY: (Signature) DATE: 11/19/04 TIME: 1130

RELINQUISHED BY: (Signature) DATE: 11/19/04 TIME: 1335

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

RECEIVED BY: (Signature)
DATE: 11-19-04 TIME: 1335

SAMPLE CONDITION WHEN RECEIVED: 2.0°C 4oz glass on ice

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: Hendrix

SITE MANAGER: Cindy Crain

PROJECT NO.: 3-0108-01

PROJECT NAME: Site #1

PAGE 2 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	0822		✓		DP-6 (0-2')	1	✓	✓	4K19008-19	
"	0823		✓		" (2-4')	1	✓	✓	-20	
"	0830		✓		" (4-6')	1	✓	✓	-21	
"	0831		✓		" (6-8')	1	✓	✓	-22	
"	0855		✓		DP-2 (0-2')	1	✓	✓	-23	
"	0856		✓		" (2-4')	1	✓	✓	-24	
"	0905		✓		" (4-6')	1	✓	✓	-25	
"	0906		✓		" (6-8')	1	✓	✓	-26	
"	0933		✓		DP-1 (0-2')	1	✓	✓	-27	
"	0934		✓		" (2-4')	1	✓	✓	-28	
"	0940		✓		" (4-6')	1	✓	✓	-29	
"	0941		✓		" (6-8')	1	✓	✓	30	

SAMPLED BY: (Signature) DATE: 11/9/04 TIME: 1130

RELINQUISHED BY: (Signature) DATE: 11/9/04 TIME: 1335

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

RECEIVED BY: (Signature)
DATE: 11-19-04 TIME: 1335

SAMPLE CONDITION WHEN RECEIVED: 2.0°C 4oz glass on ice

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

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

COPY

Client: Larson + Associates

Date/Time: 11-19-04 @ 1445

Order #: ~~4K19008~~ 4L13001

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	2.0 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	
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:

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Variance Documentation:

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

Regarding:

_____

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Corrective Action Taken:

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Jeanne McMurrey

From: "Mark Larson" <mark@laenvironmental.com>
To: "Jeanne McMurrey" <jeanne@elabtexas.com>
Sent: Monday, December 13, 2004 10:30 AM
Subject: RE: Request for Additional Analysis, John H. Hendrix Corp., E.E. Drinkard #3, ELTI Lab Order Number 4K19008

Jeanne: Please perform SPLP for chloride on the following samples from the above-referenced report:
DP-3, 0 - 2 feet
DP-4, 0 - 2 feet
DP-4, 6 - 8 feet
DP-5, 2 - 4 feet
DP-5, 6 - 8 feet

-----Original Message-----
From: Jeanne McMurrey [mailto:jeanne@elabtexas.com]
Sent: Thursday, December 09, 2004 10:39 AM
To: Mark Larson
Subject: Re: additional analysis request

Good Morning Mark,

I just wanted to give you a friendly reminder to send a confirmation on your additional analysis request for the John Henrick sample. When ever you get a chance would be great.

Thanks,
Jeanne

Jeanne McMurrey
Environmental Lab of Texas, I Ltd.
12600 W I-20 E
Odessa, Texas 79765
(432) 563-1800

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This message has been scanned for viruses and
dangerous content by MailScanner at **BasinBroadBand.com**, and is
believed to be clean.

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: John H. Hendrix Corp./ E.E. Drinkard #3

Project Number: 3-0108-01

Location: None Given

Lab Order Number: 5A06005

Report Date: 01/20/05

Larson & Associates, Inc.	Project: John H. Hendrix Corp./ E.E. Drinkard #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-01	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	01/20/05 15:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP-5, 10-12'	5A06005-01	Soil	01/05/05 09:49	01/06/05 09:45
DP-5, 15'	5A06005-02	Soil	01/05/05 10:15	01/06/05 09:45
DP-5, 20'	5A06005-03	Soil	01/05/05 10:25	01/06/05 09:45
DP-5, 30'	5A06005-04	Soil	01/05/05 10:33	01/06/05 09:45
DP-5, 40'	5A06005-05	Soil	01/05/05 10:55	01/06/05 09:45
DP-5, 50'	5A06005-06	Soil	01/05/05 11:12	01/06/05 09:45
DP-4, 15'	5A06005-07	Soil	01/05/05 11:33	01/06/05 09:45
DP-4, 20'	5A06005-08	Soil	01/05/05 11:38	01/06/05 09:45
DP-4, 30'	5A06005-09	Soil	01/05/05 11:45	01/06/05 09:45
DP-4, 40'	5A06005-10	Soil	01/05/05 11:53	01/06/05 09:45

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
DP-5, 10-12' (5A06005-01) Soil									
Chloride	**1450**	2.50	mg/kg Wet	1	EA51006	01/06/05	01/10/05	SW 846 9253	
DP-5, 15' (5A06005-02) Soil									
Chloride	**957**	2.50	mg/kg Wet	1	EA51006	01/06/05	01/10/05	SW 846 9253	
DP-5, 20' (5A06005-03) Soil									
Chloride	**468**	2.50	mg/kg Wet	1	EA51006	01/06/05	01/10/05	SW 846 9253	
DP-5, 30' (5A06005-04) Soil									
Chloride	**308**	5.00	mg/L	1	EA51211	01/12/05	01/12/05	EPA 325.3M	
DP-5, 40' (5A06005-05) Soil									
Chloride	**1530**	20.0	mg/kg Wet	2	EA51412	01/14/05	01/14/05	SW 846 9253	
DP-5, 50' (5A06005-06) Soil									
Chloride	**596**	20.0	mg/kg Wet	2	EA52014	01/20/05	01/20/05	SW 846 9253	
DP-4, 15' (5A06005-07) Soil									
Chloride	**532**	2.50	mg/kg Wet	1	EA51006	01/06/05	01/10/05	SW 846 9253	
DP-4, 20' (5A06005-08) Soil									
Chloride	**42.5**	2.50	mg/kg Wet	1	EA51006	01/06/05	01/10/05	SW 846 9253	
DP-4, 30' (5A06005-09) Soil									
Chloride	**213**	2.50	mg/kg Wet	1	EA51006	01/06/05	01/10/05	SW 846 9253	
DP-4, 40' (5A06005-10) Soil									
Chloride	**42.5**	5.00	mg/L	1	EA51211	01/12/05	01/12/05	EPA 325.3M	

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 EA51006 - Water Extraction										
Blank (EA51006-BLK1)				Prepared: 01/06/05 Analyzed: 01/10/05						
Chloride	ND	2.50	mg/kg Wet							
Matrix Spike (EA51006-MS1)			Source: 5A05016-01	Prepared: 01/06/05 Analyzed: 01/10/05						
Chloride	436	2.50	mg/kg Wet	500	0.00	87.2	80-120			
Matrix Spike Dup (EA51006-MSD1)			Source: 5A05016-01	Prepared: 01/06/05 Analyzed: 01/10/05						
Chloride	447	2.50	mg/kg Wet	500	0.00	89.4	80-120	2.49	20	
Reference (EA51006-SRM1)				Prepared: 01/06/05 Analyzed: 01/10/05						
Chloride	5100	2.50	mg/kg Wet	5000		102	80-120			
Batch EA51211 - General Preparation (WetChem)										
Blank (EA51211-BLK1)				Prepared & Analyzed: 01/12/05						
Chloride	ND	5.00	mg/L							
Matrix Spike (EA51211-MS1)			Source: 5A12001-02	Prepared & Analyzed: 01/12/05						
Chloride	425	5.00	mg/L	500	0.00	85.0	80-120			
Matrix Spike Dup (EA51211-MSD1)			Source: 5A12001-02	Prepared & Analyzed: 01/12/05						
Chloride	447	5.00	mg/L	500	0.00	89.4	80-120	5.05	20	
Reference (EA51211-SRM1)				Prepared & Analyzed: 01/12/05						
Chloride	5100	5.00	mg/L	5000		102	80-120			
Batch EA51412 - Water Extraction										
Blank (EA51412-BLK1)				Prepared: 01/11/05 Analyzed: 01/14/05						
Chloride	ND	20.0	mg/kg Wet							

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 EA51412 - Water Extraction										
Matrix Spike (EA51412-MS1)		**Source: 5A07008-01**		Prepared: 01/11/05		Analyzed: 01/14/05				
Chloride	489	20.0	mg/kg Wet	500	0.00	97.8	80-120			
Matrix Spike Dup (EA51412-MSD1)		**Source: 5A07008-01**		Prepared: 01/11/05		Analyzed: 01/14/05				
Chloride	500	20.0	mg/kg Wet	500	0.00	100	80-120	2.22	20	
Reference (EA51412-SRM1)				Prepared & Analyzed: 01/14/05						
Chloride	5000		mg/kg	5000		100	80-120			
Batch EA52014 - Water Extraction										
Blank (EA52014-BLK1)				Prepared & Analyzed: 01/20/05						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EA52014-MS1)		**Source: 5A06005-06**		Prepared & Analyzed: 01/20/05						
Chloride	1100	20.0	mg/kg Wet	500	532	114	80-120			
Matrix Spike Dup (EA52014-MSD1)		**Source: 5A06005-06**		Prepared & Analyzed: 01/20/05						
Chloride	1080	20.0	mg/kg Wet	500	532	110	80-120	1.83	20	
Reference (EA52014-SRM1)				Prepared & Analyzed: 01/20/05						
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: Raland K. Tuttle Date: 1-20-05

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.

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

Client: Larson + Associates

Date/Time: 01-06-05 @ 0945

Order #: 5A06005

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	-0.5 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	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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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: John H. Hendrix Corp.

SITE MANAGER: M. Larson

PROJECT NO.: 3-0103-01

PROJECT NAME: E.E. Rinkard #3

PAGE 1 OF 1

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	Chlorides	Hold	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
1/5/05	0949		X		DP-5, 10-12'	1	✓		5A06005-01	
	1015				15'	1	✓		-02	
	1025				20'	1	✓		-03	
	1033				30'	1	X	✓	-04	
	1055				40'	1	⊗	✓	-05	
	1112				50'	1	☒	✓	-06	
	1131				DP-4, 15'	1	✓		-07	
	1138				20'	1	✓		-08	
	1145				30'	1	✓		-09	
	1153				40'	1	X	✓	-10	
	1206				50'	1		✓	-11	

SAMPLED BY: (Signature) DATE: 1/5/05 TIME:

~~RELINQUISHED BY: (Signature)~~ DATE: 1/6/05 TIME: 0945

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 1-20-05 as per e-mail * X add 1-12-05 as per e-mail
* (X) add 1-13-05 as per e-mail

TURNAROUND TIME NEEDED

RECEIVING LABORATORY: CHT
ADDRESS: 1200 W I-20 E.
CITY: Odessa STATE: TX ZIP:
CONTACT: Richard Tuttle PHONE: 563-1800

RECEIVED BY: (Signature)
Jeanne McMurry
DATE: 01-06-05 TIME: 0945

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

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

LA CONTACT PERSON: Mark Larson

SAMPLE TYPE: Soil

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: John H. Hendrix Corp./ E.E. Drinkard #3

Project Number: 3-0108-01

Location: None Given

Lab Order Number: 5A24007

Report Date: 01/27/05

Larson & Associates, Inc.	Project: John H. Hendrix Corp./ E.E. Drinkard #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-01	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	01/27/05 13:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP-5, 30'	5A24007-01	Soil	01/05/05 10:33	01/06/05 09:45
DP-5, 40'	5A24007-02	Soil	01/05/05 10:55	01/06/05 09:45
DP-5, 50'	5A24007-03	Soil	01/05/05 11:12	01/06/05 09:45

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

Larson & Associates, Inc.	Project: John H. Hendrix Corp./ E.E. Drinkard #3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-01	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	01/27/05 13:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-5, 30' (5A24007-01) Soil									
Chloride	**21.3**	5.00	mg/L	1	EA52705	01/26/05	01/26/05	1312/9253	
DP-5, 40' (5A24007-02) Soil									
Chloride	**122**	5.00	mg/L	1	EA52705	01/26/05	01/26/05	1312/9253	
DP-5, 50' (5A24007-03) Soil									
Chloride	**44.7**	5.00	mg/L	1	EA52705	01/26/05	01/26/05	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 EA52705 - EPA 1312/9253										
Blank (EA52705-BLK1)				Prepared & Analyzed: 01/26/05						
Chloride	0.00	5.00	mg/L							
Calibration Check (EA52705-CCV1)				Prepared & Analyzed: 01/26/05						
Chloride	4940		mg/L	5000		98.8	80-120			
Matrix Spike (EA52705-MS1)		**Source: 5A24007-01**		Prepared & Analyzed: 01/26/05						
Chloride	121	5.00	mg/L	100	21.3	99.7	80-120			
Matrix Spike Dup (EA52705-MSD1)		**Source: 5A24007-01**		Prepared & Analyzed: 01/26/05						
Chloride	120	5.00	mg/L	100	21.3	98.7	80-120	0.830	20	

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: 1-30-05

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.

COPY

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: John H. Hendrix Corp.

SITE MANAGER: M. Larson

PROJECT NO.: 3-0108-01

PROJECT NAME: E.E. Minkard #3

PAGE 1 OF 1

LAB. PO #

PARAMETERS/METHOD NUMBER

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	Chloride	SPLP Chloride 1-24-5 as per attached e-mail							Hold	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
1/5/05	0949		X		DP-5, 10-12'	1	✓									5A01005-01	Resubmit # 5A24007
	1015				15'	1	✓									-02	
	1025				20'	1	✓									-03	
	1033				30'	1	✓	X							✓	-04	-01
	1055				40'	1	⊗	X							✓	-05	-02
	1112				50'	1	⊗	X							✓	-06	-03
	1133				DP-4, 15'	1	✓									-07	
	1138				20'	1	✓									-08	
	1145				30'	1	✓									-09	
	1153				40'	1	/								✓	-10	
	1206				50'	1									✓	-11	

SAMPLED BY: (Signature) DATE: 1/5/05 TIME:

RELINQUISHED BY: (Signature) DATE: 1/6/05 TIME: 0945

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 1-20-5 as per e-mail * X add 1-12-05 as per e-mail * (X) add 1-13-05 as per 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: ELT
ADDRESS: 12600 W I-20 E.
CITY: Odessa STATE: TX ZIP:
CONTACT: Roland Tuttle PHONE: 563-1800

RECEIVED BY: (Signature)
Joanne McMenus
DATE: 01-06-05 TIME: 0945

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

LA CONTACT PERSON: Mark Larson

SAMPLE TYPE: Soil

Jeanne McMurrey

From: "Mark Larson" <mark@laenvironmental.com>
To: "Jeanne McMurrey" <jeanne@elabtexas.com>
Sent: Monday, January 24, 2005 8:41 AM
Subject: RE: additional analysis request

Jeanne: Could you please analyze samples from DP-5, 30', 40' and 50' for chloride using SPLP.
Thanks, Mark

-----Original Message-----
From: Jeanne McMurrey [mailto:jeanne@elabtexas.com]
Sent: Thursday, December 09, 2004 10:39 AM
To: Mark Larson
Subject: Re: additional analysis request

Good Morning Mark,

I just wanted to give you a friendly reminder to send a confirmation on your additional analysis request for the John Henrick sample. When ever you get a chance would be great.

5A 060005

Thanks,
Jeanne

Jeanne McMurrey
Environmental Lab of Texas, I Ltd.
12600 W I-20 E
Odessa, Texas 79765
(432) 563-1800

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This message has been scanned for viruses and
dangerous content by MailScanner at **BasinBroadBand.com**, and is
believed to be clean.