1R-426-116

GENERAL CORRESPONDENCE

YEAR(S): 2005



PHOENIX ENVIRONMENTAL LLC

P.O. Box 1856	2113 French Dr.	Hobbs, NM 88241-	1856	Office 505-391-9685	Fax 505-391-9687
Sep	tember 9, 2005		×.		
	8		2		2006
Irvin	Boyd			, ag - the state	
Eun	ice, New Mexico 8823				2
	an a		-		PM
Attn	Mr. Irvin Boyd	$\sum_{i=1}^{n} e_{i} = \frac{1}{2} \sum_{i=1}^{n} e_{i} = \frac{1}{2} $	a Na kata		G
	2004) # 1.292	; ,#			
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RE: Rice Operating Sites Located on the Boyd Ranch that are BDA-27 and the Vent N-11

Dear Mr. Boyd:

Phoenix Environmental, LLC (Phoenix) would like to take this time to thank you for the opportunity to provide our professional services on the site assessment of the above listed sites that is located on the Boyd Ranch.

化合调合合 经编行计划编码

If you have any questions and/or need more data in regards to this project please call at any time.

Sincerely,

Allen Hodge, REM Sr. Project Manager Phoenix Environmental LLC



Summary/Overview

The two Rice Operating sites should be completed and remediated in accordance with the standards of the Boyd Ranch and the New Mexico Oil Conservation Division (NMOCD) guidelines for cleanup of spills and releases. It is our understanding that any potential contamination from the site was a result of activities associated with the disposal of waste water or produced water from the oil and gas industry.

The potential contaminates of concern are mid to high-level concentrations of petroleum-based hydrocarbons and produced water that were lost due to a disposal line leak and from old junction box leaks, that were absorbed by the surrounding near-surface soils.

The NMOCD regulates the remediation and disposal of non-domestic wastes resulting from the Oil and Gas industry. In addition, the NMOCD administers all Water Quality Act regulations pertaining to surface and ground water except sewage for the oil and gas industry. This authority includes the disposition of non-domestic, non-hazardous wastes at Oil and Gas facilities.

The two Rice Operating sites are the BDA-27 located in unit A of Sec. 27, T22S, and R37E in Lea County New Mexico and the Vent N-11 located in Sec. 11, T22S and R37E in Lea County New Mexico. The site BDA-27 had a GPS readings of 32° 22' 04.5" N and 103° 08' 43.2" W with an elevation of 3,341' ASL and the site Vent N-11 had a GPS reading of 32° 24' 11.0" N and 103° 08' 17.5 W with an elevation of 3,355' ASL. The lands primary use is domestic pasture for ranching and the production of oil and gas. The site is located on the Boyd Ranch.

The ground water depth data available for this section from the state engineer's office showed the depth to ground water to be in the 50' range at the BDA-27 and in the 40' range at the Vent N-11.

Pursuant to the standards of the Boyd Ranch and the NMOCD guidelines for clean up of leaks and spills, the clean up level for these sites will be at <100ppm of TPH and ND for BTEX. This is due to the fact that the ground water in the area is less than 50' BGS. The Boyd Ranch requires that the chlorides be at background levels or very near (<100ppm).



Assessment Data

Phoenix was contracted by the Boyd Ranch to be at the sites in order to witness and split samples with Rice Operating to insure that the Boyd Ranch gets good site data on the amount of impact at the two sites.

The first site was the BDA-27 where Rice had a spill of produced water that ran out into the pasture and impacted an estimated 15,000sq/ft of surface area. In May of 2005 Rice was on site and hand augured soil samples across the spill area. Phoenix split these samples with Rice and then sent select samples to a third party lab for analysis. The samples were tested for TPH, BTEX and CL. The lab analysis showed that vertical impact went down into the 5' range (See lab analysis).

Based on the lab analysis from the first site there would be an estimated 2,778cyds of impacted soils that need to be addressed for site closure.

The second site the Vent N-11 is a junction box for their pipelines where they had had several leaks in the past that had not been cleaned up. In June of 2005 Rice was on site with a backhoe to dig some test holes to sample and check the vertical depth of impact. Rice first started at the box and then started going out north, south, east and west in 5' increments. Rice didn't finish the vertical and horizontal delineation of the impact and stopped at 15' west and 15' east and only went 5' north and south. Samples were taken from the test holes and select samples were sent to a third party lab for analysis and tested for TPH, BTEX and CL. The lab analysis showed that there were very high levels of TPH in the 12,000ppm range and CL in the 1,500ppm (See lab analysis). Rice said that they were going to be back, but as of yet they have not. The total amount of impacted soils at this site is not known as of this date due to the fact that Rice has not finished the assessment of the site.

On 8-31-05, 9-1-05 and 9-2-05 Rice had Hicks Consultants on the BDA-27 site with a drilling rig to drill test holes to define the vertical depth of impact. The first boring on the south end of the BDA-27 spill showed that the CL impact went all the way to water and was completed as a monitor well to check the level of impact to the groundwater. Hicks drilled 7 more borings down through the spill area with a average depth of 18'. Using the surface area and the average depth of impact this site will yield an estimated 10,000cyds of impacted soils that need to be addressed for site closure.



Taking the average cost of clean ups for this area at 40.00cyd it would take an estimated 400,000.00 to clean up this site. This estimated cost does not include the cost of addressing the groundwater impact.

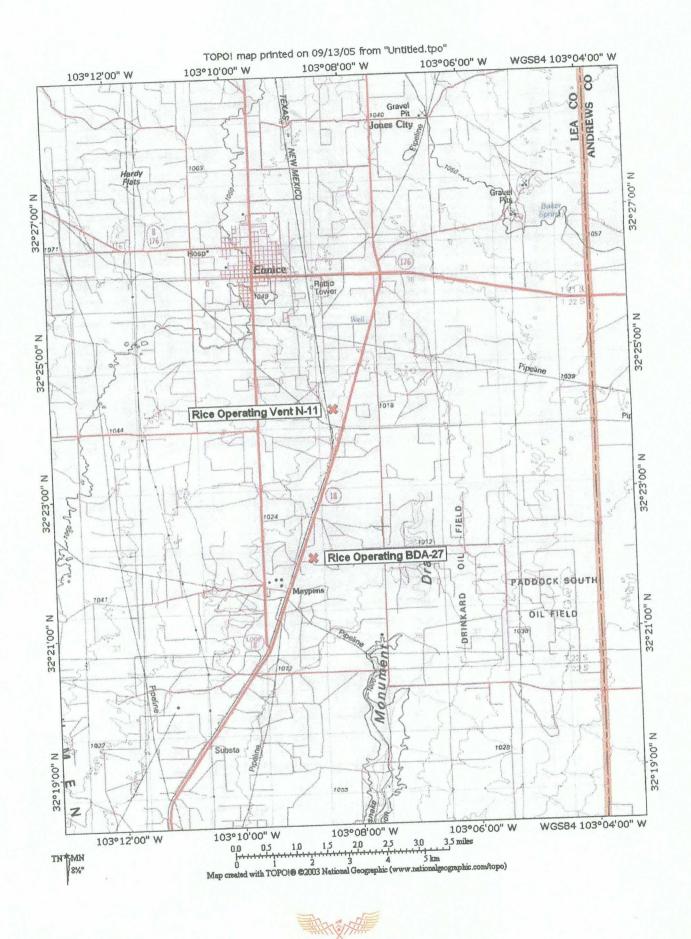
Note: The Vent N-11 has a very real threat of being in the ground water due to the fact that the vertical depth was not found and the excavation has been left open. With all the rain the site has had in the past few months with run off going into the hole it is pushing the impact into the groundwater.

If you have any questions and/or need more data in regards to this project please call at any time.

Sincerely,

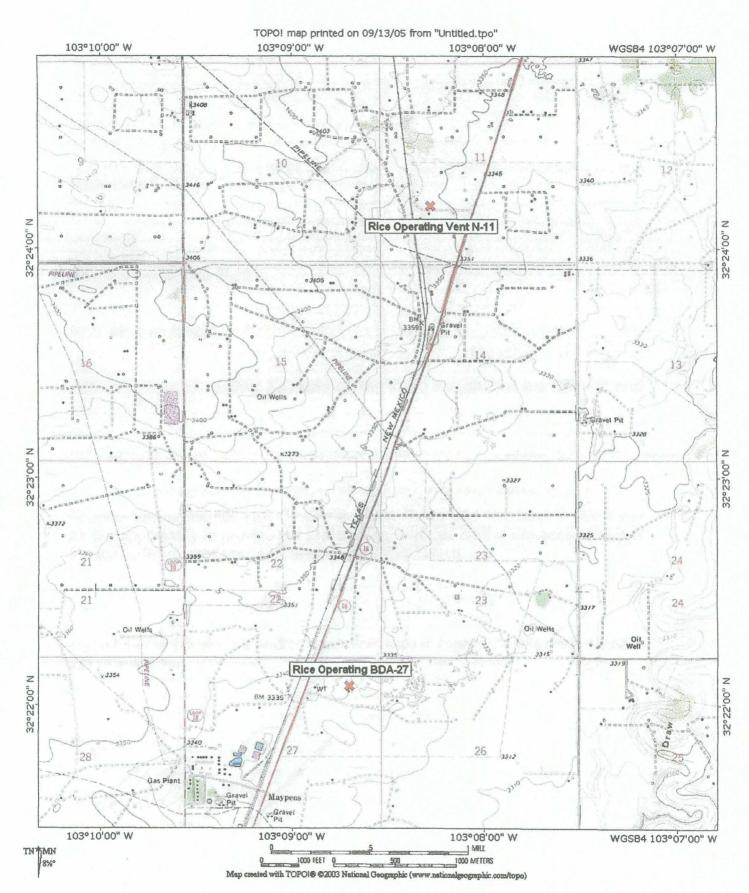
Allen Hodge, REM Sr. Project Manager Phoenix Environmental LLC





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ASSAIGAI ANALYTICAL LABORATORIES, INC.

4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820 127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

PHOENIX ENVIRONMENTAL, LLC attn: ALLEN HODGE PO BOX 1856 HOBBS NM 88241 Explanation of codesBAnalyte Detected in Method BlankEResult is EstimatedHAnalyzed Out of Hold TimeNTentatively Identified CompoundSSubcontracted1-9See Footnote

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client:	PHOENIX EN	IVIRONMENTA	NL, LLC							
Project:	BOYD / RICE	- BDA-27								
Order:	0505431	PHO01	Receipt: 05-19-05		William P. Biava: Pres	ident of Assai	gai Analytical Lab	oratories, In	ю.	
Sample:	SP-13 @ SUI	RFACE 0-6"		Collected:	05-18-05 8:00:0	0 By:	DP			
Matrix:	SOIL									
QC Group	Run Sequ	ence CAS #	Analyte	Res	ult Units	Dilution Factor	Detection	Code	Prep Date	Run Date
de group	Kull Sequ		Analyte	Nes	on onits	Factor	Lillil	Code	Date	Vale
0505431-0	1A	EPA 300.0	Anions by IC				By:	JTK		
W05400	WC.2005.14	16887-00-6	Chloride	5.0)5 mg / Kg	10	0.5		05-24-05	05-23-05
0505431-0 [.]	1A	SW846 50	35B/8015B GRO by GC/FID				By:	TRS		
V05034	XG.2005.87	9.16	Gasoline Range Organics	N	D mg/Kg	1	0.55		05-25-05	05-25-05
0505431-01	1A	SW846 50	35B/8021B Purgeable VOCs by	y GC/PID			By:	TRS		
V05020	XG.2005.86	3.5 71-43-2	Benzene	N	D mg/Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.86	3.5 100-41-4	Ethylbenzene	N	D mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.86	3.5 95-47-6	o-Xylene	N	D mg/Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.86	3.5 108-38- 3/106-42	p/m-Xylenes	N	D mg / Kg	1	0.01		05-23-05	05-23-05
V05020	XG.2005.86		Toluene	N	D mg/Kg	1	0.005		05-23-05	05-23-05
0505431-0 ⁻	1A	SW846 80	15B Diesel Range Organics b	y GC/FID			By:	JWB		
S05024	XG.2005.85		Diesel Range Organics	NI	D mg/Kg	1	25		05-21-05	05-22-05
Sample:	SP-13 @ 4'			Collected:	05-18-05 8:10:0	00 By:	DP			
Matrix:	SOIL									
		·····				Dilution	Detection		Prep	Run
QC Group	Run Sequ	ence CAS #	Analyte	Res	ult Units	Factor	Limit	Code	Date	Date
0505431-02	2A	EPA 300.0	Anions by IC				By:	JTK		,
W05400	WC.2005.14	122.11 16887-00-6	Chloride	6.4	15 mg / Kg	10	0.5		05-24-05	05-23-05
		L		·				<u>ا</u>		

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Certificate of Analysis All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: Project:	PHOENIX ENVIR BOYD / RICE - B	ONMENTAL, LLC DA-27	:							
Order:	0505431 PHO	001 Receipt	05-19-05							
Sample:	SP-14 @ SURFA	CE 0-6"		Collected: 05-1	8-05 8:20:00	By:	DP			
Matrix:	SOIL			κ.						
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-0	3A	EPA 300.0 Anions	by IC				By:	JTK		
W05400	WC.2005.1422.14		Chloride	1610	mg / Kg	10	0.5		05-24-05	05-23-05
Sample:	SP-14 @ 2'			Collected: 05-1	8-05 8:30:00) By:	DP			
Matrix:	SOIL									
QC Group	o Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-0)4A	EPA 300.0 Anions	by IC				By:	JTK		
W05400	WC.2005.1422.16	3 16887-00-6	Chloride	897	mg / Kg	10	0.5		05-24-05	05-23-05
Sample:	SP-19 @ SURFA	CE 0-6"		Collected: 05-1	8-05 8:40:00) By:	DP			
Matrix:	SOIL					•				
•••								•••••		
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
				, court					Dute	Date
0505431-0 W05400	35A WC.2005.1422.18	EPA 300.0 Anions 16887-00-6	by IC Chloride	1360	mg / Kg	10	By: 0.5	JTK	05-24-05	05-23-05
	W0.2000.1722.10		Chionde		ingrity	1	0.0	L	00-24-00	
Sample:	SP-19 @ 2'			Collected: 05-1	8-05 8:50:00	0 Ву:	DP			
Matrix:	SOIL									
						Dilution	Detection		Prep	Run
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Factor	Limit	Code	Date	Date
0505431-0)6A	EPA 300.0 Anions					By:	JTK		
W05400	WC.2005.1422.20	0 16887-00-6	Chloride	426	mg / Kg	10	0.5		05-24-05	i 05-24-05
Sample: Matrix:	SP-25 @ SURFA SOIL	ICE 0-6"		Collected: 05-1	8-05 9:20:00	0 Ву:	DP			
	JUIL									
QC Group	o Run Sequence	e CAS#	Analyte	Result	Units	Dilutior Factor	Detection Limit	Code	Prep Date	Run Date
0505431-0)7A	EPA 300.0 Anions	by IC				By:	JTK		
W05400	WC.2005.1422.2		Chloride	816	mg / Kg	10	0.5		ר	5 05-24-05
Sample:	SP-25 @ 2'			Collected: 05-1	8-05 9:30:0	0 By:	DP			
Matrix:	SOIL									
QC Group	Run Sequence	e CAS #	Analyte	Result	Units	Dilutior Factor	Detection Limit	Code	Prep Date	Run Date
0505431-0	08A	EPA 300.0 Anions	by IC				By:	JTK		
W05400	WC.2005.1422.24	/	Chloride	2100	mg / Kg	100	0.5	1	1	6 05-24-05
Page 2 of	8	SQL	.Coyote: Reports	1.3.0505181410XX			Report Da	te 5/2	7/2005 3	20:38 PM

Certificate of Analysis All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: Project:				L, LLC							
Order:		YD / RICE - B 5431 PH	001	Receipt: 05-19-05							
Sample: Matrix:	SP- SO	25 @ 2' IL		15.	Collected: 05-1	8-05 9:30:00) By: <i>I</i>	DP			
QC Group)	Run Sequence	• CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
Sample:	SP.	26 @ SURFA	CE 0-6"		Collected: 05-1	8-05 9:50:00) By: I	DP	·····		
Matrix:	SO	IL									
QC Grou)	Run Sequence	e CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-	194		EPA 300.0	Anions by IC				By:	JTK		
W05400		WC.2005.1422.2		Chloride	1710	mg / Kg	10	0.5		05-24-05	05-24-05
0505431-	09A		SW846 503	5B/8015B GRO by GC/FID				By:	TRS		
V05034		XG.2005.879.17		Gasoline Range Organics	ND	mg / Kg	1	0.55		05-25-05	05-25-05
0505431-0	09A		SW846 503	5B/8021B Purgeable VOCs b	v GC/PID			By:	TRS		
V05020		XG.2005.863.8	71-43-2	Benzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020		XG.2005.863.8	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V 05 020		XG.2005.863.8	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020		XG.2005.863.8	108-38- 3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		05-23-05	05-23-05
V05020		XG.2005.863.8	108-88-3	Toluene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
0505431-0)9A		SW846 801	5B Diesel Range Organics b	ov GC/FID			By:	JWB		١
S05024		XG.2005.852.60		Diesel Range Organics	ND	mg / Kg	1	25	[05-21-05	05-22-05
Sample:		·26 @ 1'			Collected: 05-7	18-05 10:10:	00 By: 1	DP			
Matrix: QC Grouj	so 。	IL Run Sequence	e CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-	100		EDA 300 0	Anions by IC				Ву:	JTK		
W05400		WC.2005.1422.2	A REAL PROPERTY AND A REAL PROPERTY A REAL PROPERTY AND A REAL PROPERTY A	Chloride	1310	mg / Kg	10	0.5		05-24-05	05-24-05
									L		
Sample: Matrix:	SP SO	-35 @ SURFA IL	ACE 0-6"		Collected: 05-3	18-05 10:20:0	00 Ву: .	DP			
							Dilution	Detection		Prep	Run
QC Grou	p	Run Sequenc	e CAS#	Analyte	Result	Units	Factor	Limit	Code	Date	Date
0505431-	114		EPA 300.0	Anions by IC				By:	JTK		
W05400		WC.2005.1422.3		Chloride	5.64	mg / Kg	10	0.5		05-24-05	05-24-05
			h	A					1		

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Assaigai Analytical Laboratories, Inc.

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		DENIX ENVIRO (D / RICE - BE		., LLC								
Order:	050	5431 PHO	01	Receipt:	05-19-05							
Sample:	SP-	35 @ 2'				Collected: 05-1	8-05 10:30:0	00 By: 1	DP	<u>.</u>		
Matrix:	sol	L				···.						
QC Group		Run Sequence	CAS #		Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-12	2A		EPA 300.0 A	nions by	IC				By:	JTK		
W05400		WC.2005.1422.33	16887-00-6		Chloride	6.34	mg / Kg	10	0.5		05-24-05	05-24-05
Sample:	SP-	47 @ SURFAC	CE 0-6"			Collected: 05-1	8-05 10:40:0	00 By:	DP			
Matrix:	soi	L										
QC Group		Run Sequence	CAS #		Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-13	3 A		EPA 300.0 A	Anions by	IC .				By:	JTK		
W05400		WC.2005.1422.36	16887-00-6		Chloride	194	mg / Kg	10	0.5		05-24-05	05-24-05
Sample:	SP-	47 @ 2'	······			Collected: 05-1	8-05 10:50:(00 Bv:	DP			
Matrix:	SOI	-						, .				
								Dilution	Detection		Bron	Run
QC Group		Run Sequence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Prep Date	Date
0505494 4/			EPA 300.0 A	lnione by			••••••		By:	JTK		
0505431-14 W05400	44	WC.2005.1422.38	16887-00-6	anons by	Chloride	925	mg / Kg	10	0.5		05-24-05	05-24-05
Sample:	00					Collected: 05-1	18-05 11.00.	00 By:				
Matrix:	SO	61 @ SURFA("	JE 0-0			00//66/60. 00-7	0-00 11.00.0	00 Dy.				
					·······							
QC Group		Run Sequence	CAS #		Analyte	Result	Units	Factor	Detection Limit	Code	Prep Date	Run Date
· · · · · · ·												
0505431-1: W05403	5A	WC.2005.1429.7	EPA 300.0 / 16887-00-6	Anions by	Chloride	10.9	mg / Kg	10	By: 0.5	JTK	05-25-05	05-24-05
0			·						····	······		
Sample:		61 @ 3' ''				Collected: 05-1	8-05 11:10:0	00 By:	DP			
Matrix:	SO	L	· · · · · · · · · · · · · · · · · · ·									
QC Group		Run Sequence	CAS #		Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
			EDA 200.0	Aniona hi								
0505431-16 W05403	0A	WC.2005.1429.9	EPA 300.0 / 16887-00-6	Allons by	Chloride	1070	mg / Kg	10	By:	JTK	05-25-05	05-24-05
Somelo:						Collected: 05 1	19 05 11:20	00		·····		
Sample: Matrix:	SP- SOI	66 @ SURFA(L	JE U-0"			Collected: 05-1	0-05 11.30.0	υυ ву:	DP			
						<u></u>		Dilution	Dotostian			D
QC Group		Run Sequence	CAS #		Analyte	Result	Units	Factor	Detection Limit	Code	Prep Date	Run Date
0505431-17	7A		EPA 300.0	Anions by	/ IC				By:	JTK		
W05403		WC.2005.1429.11	16887-00-6		Chloride	1290	mg / Kg	10	0.5		05-25-05	05-24-05
Page 4 of a	8			SQLC	oyote: Reports	1.3.0505181410XX			Report Da	te 5/2	7/2005 3:	20:38 PM

Certificate of Analysis All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Project:	PHOENIX ENVIRO BOYD / RICE - BD 0505431 PHO	A-27	., LLC Receipt: 05-19-05							
Sample: Matrix:	SP-66 @ SURFAC SOIL	CE 0-6"	ی. کر	llected: 05-1	8-05 11:30:0	00 By: L)P			,
	SOIL			<u> </u>		Dilution	Detection		Broo	Run
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Factor	Limit	Code	•	Date
0505431-17	74	SW846 5035	B/8015B GRO by GC/FID				By:	TRS		
V05036	XG.2005.885.5		Gasoline Range Organics	ND	mg / Kg	1	0.55		05-26-05	05-26-05
0505424 47	7 &	SIMOAS 5025	B/8021B Burgeshie VOCs by GC	,oiu	- <u>b</u>	· · · · · · · · · · · · · · · · · · ·	Bvr	TRS		
0505431-17 ∨05020	XG.2005.863.9	71-43-2	B/8021B Purgeable VOCs by GC Benzene	ND	mg / Kg	1	By: 0.005		05-23-05	05-23-05
V05020	XG.2005.863.9	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	·	05-23-05	05-23-05
V05020	XG.2005.863.9	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.9	108-38-	p/m-Xylenes	ND	mg / Kg	1	0.003		05-23-05	05-23-05
		3/106-42				·····				
V05020	XG.2005.863.9	108-88-3	Toluene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
0505431-17	7A	SW846 8015	B Diesel Range Organics by G	C/FID			By:	JWB		
S05024	XG.2005.852.61		Diesel Range Organics	ND	mg / Kg	1	25		05-21-05	05-22-05
		L.,		· · · · · · · · · · · · · · · · · · ·		L		J		
Sample:	SP-66 @ 3'		Co	ollected: 05-1	8-05 11:40:0	00 Ву: I	DP			
Matrix:	SOIL									
1996 1999 199 19 1 1 1994 1997			*** & (= = = = = = = = = = = = = = = =			Dilution	Detection		Dren	Run
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Factor	Limit	Code	Prep Date	Date
0505431-18	8A	EPA 300.0 A	nions by IC				By:	JTK		
W05403	WC.2005.1429.14	16887-00-6	Chloride	1480	mg / Kg	10	0.5		05-25-05	05-24-05
1100100				1400	mg / ng		0.5	L	00 20 00	
Sample:	SP-70 @ SURFA	CE 0-6"	Cc	ollected: 05-1	8-05 12:00:0	00 By: 1	DP			
Matrix:	SOIL									
					·····	Dilution	Detection		Prep	Run
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Factor	Limit	Code	Date	Date
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0505431-19		EPA 300.0 A		r		·····	By:	JTK		
W05403	WC.2005.1429.16	16887-00-6	Chloride	ND	mg / Kg	10	0.5		05-25-05	05-24-05
0505431-19	9A	SW846 5035	B/8015B GRO by GC/FID				By:	TRS		
V05034			Gasoline Range Organics	ND	mg / Kg	1	0.55		05-25-05	05-25-05
V05034	XG.2005.879.19	[]					4	L		
		CINIQAE 5025		>/DID			D	TOC		
0505431-19	9A		B/8021B Purgeable VOCs by GO		malka		By:	TRS	05 22 05	05 22 05
0505431-1 9 V05020	9A XG.2005.863.10	71-43-2	B/8021B Purgeable VOCs by GC Benzene	ND	mg / Kg	1	0.005	TRS	05-23-05	
0505431-19 V05020 V05020	9A XG.2005.863.10 XG.2005.863.10	71-43-2 100-41-4	B/8021B Purgeable VOCs by GC Benzene Ethylbenzene	ND ND	mg / Kg	1	0.005	TRS	05-23-05	05-23-05
0505431-19 V05020 V05020 V05020	9A XG.2005.863.10 XG.2005.863.10 XG.2005.863.10	71-43-2 100-41-4 95-47-6	B/8021B Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene	ND ND ND	mg / Kg mg / Kg	1	0.005 0.005 0.005	TRS	05-23-05 05-23-05	05-23-05 05-23-05
0505431-19 V05020 V05020 V05020	9A XG.2005.863.10 XG.2005.863.10	71-43-2 100-41-4	B/8021B Purgeable VOCs by GC Benzene Ethylbenzene	ND ND	mg / Kg	1	0.005	TRS	05-23-05	05-23-05 05-23-05
0505431-19 V05020 V05020 V05020 V05020	9A XG.2005.863.10 XG.2005.863.10 XG.2005.863.10	71-43-2 100-41-4 95-47-6 108-38-	B/8021B Purgeable VOCs by GC Benzene Ethylbenzene o-Xylene	ND ND ND	mg / Kg mg / Kg	1	0.005 0.005 0.005	TRS	05-23-05 05-23-05	05-23-05 05-23-05 05-23-05
0505431-19 V05020 V05020 V05020 V05020 V05020 V05020	9A XG.2005.863.10 XG.2005.863.10 XG.2005.863.10 XG.2005.863.10 XG.2005.863.10	71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3	B/8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes Toluene	ND ND ND ND	mg / Kg mg / Kg mg / Kg	1 1 1	0.005 0.005 0.005 0.01 0.005		05-23-05 05-23-05 05-23-05	05-23-05 05-23-05 05-23-05
0505431-19 V05020 V05020	9A XG.2005.863.10 XG.2005.863.10 XG.2005.863.10 XG.2005.863.10 XG.2005.863.10	71-43-2 100-41-4 95-47-6 108-38- 3/106-42 108-88-3	B/8021B Purgeable VOCs by GO Benzene Ethylbenzene o-Xylene p/m-Xylenes	ND ND ND ND	mg / Kg mg / Kg mg / Kg	1 1 1	0.005 0.005 0.005 0.01		05-23-05 05-23-05 05-23-05 05-23-05	05-23-05 05-23-05 05-23-05

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Certificate of Analysis All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: Project:		ENIX ENVIR D / RICE - B		., LLC									
Order:	0505			Receipt:	05-19-05								
Sample: Matrix:		70@6'				Collec	cted: 05-18	-05 12:20:0	0 Ву: Г	DP			
QC Group		Run Sequence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-2 W05403	0A	WC.2005.1429.1	EPA 300.0 A	nions by	IC Chloride		10.8	mg / Kg	10	By:	JTK	05-25-05	05-24-05
					·····	Collo	·····	I		J	······································	<u></u>	
Sample: Matrix:	SP- SOI	77 @ SURFA L	ICE U-D"			Colle	cted: 05-18	-05 72:30:0	о ву: 1				
QC Group		Run Sequence	e CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-2	1A		EPA 300.0 A	nions by	IC					By:	JTK		
W05403		WC.2005.1429.2	0 16887-00-6		Chloride		416	mg / Kg	10	0.5		05-25-05	05-24-05
Sample: Matrix:	SP- SOI	77 @ 4'				Colle	cted: 05-18	-05 12:40:0	0 By:	DP			
									Dilution	Data atlan			
QC Group)	Run Sequenc	e CAS#		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-2	·····		EPA 300.0 A	nione hu	10					By:	ЈТК		
W05403	.27	WC.2005.1429.2		anona by	Chloride		321	mg / Kg	10	0.5		05-25-05	05-24-05
Sample:		85 @ SURFA	ACE 0-6"			Colle	cted: 05-18	-05 13:00:0	00 By:	DP			
Matrix:	SOI	L			·····								
QC Group		Run Sequenc	e CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-2	3A		EPA 300.0 A							By:	JTK		
W05403		WC.2005.1429.2	5 16887-00-6		Chloride		730	mg / Kg	10	0.5		05-25-05	05-24-05
Sample: Matrix:	SP- SOI	85 @ 2' L				Colle	cted: 05-18	8-05 13:10:0	00 By:	DP			
•			<u></u>						Dilution	Detection		Prep	Run
QC Group) 	Run Sequenc	e CAS #		Analyte		Result	Units	Factor	Limit	Code	Date	Date
0505431-2 W05403	24A	WC.2005.1429.2	EPA 300.0 / 6 16887-00-6	Anions by	r IC Chloride		1810	mg / Kg	100	By:	JTK	05-25-05	05-24-05
Sample:	SP-	1@6"-8"		······································		Colle	cted: 05-18	-05 13:30:(00 By:	DP			
Matrix:	sol	-	- 19-9-00 Trans English Contraction of the										
QC Group)	Run Sequenc	e CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-2	25A		EPA 300.0 /	Anions by	/ IC					By:	JTK		
W05403		WC.2005.1429.2	9 16887-00-6		Chloride		642	mg / Kg	10	0.5		05-25-05	05-24-05
Page 6 of	8			SQLC	oyote: Reports	1.3.050	5181410XX			Report Da	te 5/2	7/2005 3:	20:38 PM

Certificate of Analysis All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: Project:	PHOENIX BOYD / R			L, LLC								
Order:	0505431	РНО		Receipt:	05-19-05							
Sample:	SP-1@6	"-8"				Collected: 05-1	8-05 13:30:0	00 By: <i>L</i>)P			
Matrix:	SOIL											
								Dilution	Detection		Prep	Run
QC Group	Run S	equence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Date	Date
0505431-2	5A		SW846 503	5B/8015B	GRO by GC/FID				By:	TRS		
V05036	XG.200	5.885.8		Gaso	line Range Organics	ND	mg / Kg	1	0.55		05-26-05	05-26-05
0505431-2	5A		SW846 503	5B/8021B	Purgeable VOCs by	GC/PID			By:	TRS		
V05020		5.863.11	71-43-2		Benzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V 0 5020	XG.200	5.863.11	100-41-4		Ethylbenzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.200	5.863.11	95-47-6		o-Xylene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.200	5.863.11	108-38- 3/106-42		p/m-Xylenes	ND	mg / Kg	1	0.01		05-23-05	05-23-05
V05020	XG.200	5.863.11	108-88-3		Toluene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
0505431-2	5A		SW846 801	5B Diese	I Range Organics by	GC/FID			By:	JWB		
S05024		5.852.63	[sel Range Organics	ND	mg / Kg	1	25		05-21-05	05-22-05
Sample:	SP-A @ 8	7				Collected: 05-1	8-05 14:00:0	00 By: 1	DP			
Matrix:	SOIL							•				
								Dilution	Detection		Prep	Run
QC Group	Run S	equence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Date	Date
0505431-2	6A		EPA 300.0	Anions by	r IC				By:	JTK		
W05403		05.1429.31	16887-00-6		Chloride	57.3	mg / Kg	10	0.5		05-25 - 05	05-25-05
Sample:	SP-B @ 7		an ang gan at an an an an an an an a			Collected: 05-1	8-05 14:30:	00 By:	DP			
Matrix:	SOIL							•				
								Dilution	Detection		Prep	Run
QC Group	Run S	equence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Date	Date
0505431-2	7.5		EPA 300.0	Anione by	(10				By:	JTK		
W05403		05.1429.33	16887-00-6		Chloride	81.3	mg / Kg	10	0.5		05-25-05	05-25-05
									L	·		
Sample:	SP-C @ 1	2'				Collected: 05-1	8-05 15:00:	00 By:	DP			
Matrix:	SOIL											
								Dilution	Detection		Prep	Run
QC Group	Run S	equence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Date	Date
0505431-2	8A		EPA 300.0	Anions by	/ IC				By:	JTK		
W05403	WC.20	05.1429.36	16887-00-6		Chloride	1820	mg / Kg	10	0.5		05-25-05	05-25-05

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Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client:	PHOENIX ENVI	RONMENT	AL, LLC								
Project:	BOYD / RICE - I	BDA-27									
Order:	0505431 PH	1001	Receipt:	05-19-05							
Sample:	SP-D @ 10'			· · · · · · · · · · · · · · · · · · ·	Collected:	05-18-05 15:30	0:00 By:	DP			
Matrix:	SOIL										
							Dilution	Detection		Prep	Run
QC Group	Run Sequenc	e CAS#		Analyte	Res	ult Units	Factor	Limit	Code	Date	Date
0505431-2	9A	EPA 300.0	Anions by	IC				By:	JTK		
W05403	WC.2005.1429.3	16887-00-6	3	Chloride	29.	.9 mg / Ko	10	0.5		05-25-05	05-25-05

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

ASSAIGAI ANALYTICAL	Chain of Custody	Custody Record	4301 Mastheed N.E. ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964	
LABORATORIES, INC.	10 - F		3332 WEDGEWOOD EL PASO, TEXAS 78925 (915) 593-6000	
			127 EASTGATE DRIVE, 212-C LOS ALAMOS, NEW MEXICO 87544 (505) 662-2558	•
	Project Manager / Contact	15 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Q Analysis Required	2012 - 1
l ăl	Fax No. 505) 341 - 468	[13171863
And Number Boy / Rics - B MA 2	277 Samplers : (signature)		Stand Standard Contraction Contraction	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
ict / Purchase Order / Quote		1.4.10		
AAU Fraction Sample Number / Location /	Time Sampe / Type / Size of Container	servation Chemical	1/1/1/	
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MASD-35 C, 2')	1 1 201			y ny in
imquished by Cate Date S-14-5	Received by:	Relinquished by:	Date Received by:	1974 - 1976
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ason Spirl	Company A A B Contract Contrac	Company CTU C	Mrss Company	n spinnik Najvekski
thod of Shipment A A LT My A	Comments:		After analysis, samples are to be: The Discreted of (additional fee)	nin yan. Nin yan
ipment No.			Stored (30 days max)	
			 Stored over 30 days (additional fee) Returned to customer 	
	CARRIER			- 1
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4301 mastinead N.E. ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964	332 WEDGEWOOD EL PASO, TEXAS 79925 (1915) 593-6000 127 EASTGATE DRIVE, 212-C LOS ALAMOS, NEW MEXICO 87544 (SGS) 662-2558							Date Bacelved by: Printed Printed Printed Printed Printed Printed	After analysis, samples are to be: Disposed of (additional fee) Stored (30 days max) Stored over 30 days (additional fee) Aeturned to customer
Chain of Custody Record	No.: COS	Project Manager / Contact ALV 2-2 45 Telephone No. 505) 391 - 4687 Fax No. 505) 391 - 9687 Samplers : (signature)	The Same how Stan of Container Fressivitation The Type I Container Temp Chandida					Received by: A Relinquished by: Signature Signature M Signature Signature M Printed S T a b c Printed Company M f c f Company Reason M f c f Company	
	Δ	TOSN'X ZAVI ROUNCATHL LLC BEPO BOX 1856 Mate/Zip WODD ANN 38741 Mame/Number Boy Rich 30. A. 21 Cl Purchase Order / Quote	ANU Sample Number / Lacation 2000 11 Linearion Sample Number / Lacation 2010 11 A SP - 477 0 0.1 8-16-0 12 A SP - 477 0 0.1 8-16-0 12	5-4-6 5-4-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-	52- 90 SCHEALS 52-90 SCHEALS	1 52-77@ 5-0-6-1 52-77@ 5-0-6-1 1 50-77@ 41	D-85@ SUNEAL	Inquished by: Date Period Print Prin	HH 17 hydre

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ASSAIGAL ANALYTICAL	Chain of Custody Record	ALBUQUEROUCE, NEW MEXICO 87109 (505) 345-8964
LABORATORIES, INC.	Lab Job No.: <u>() うじダ リン</u> Date	3332 WEDGEWOOD EL PASO, TEXAS 79925 (915) 593-6000
	Page J a S	127 EASTGATE DRIVE, 212-C LOS ALMOS, NEW MEXICO 87544 (505) 662-2558
"DO ROX 1456	Telenthree N/ 565 \ 39 - 7685	C A Analysis Required
I	1 Fax No/505) 391-9687	18/3/27/////////
	Samplers : (signature)	Let S S S A A Benarks
ict / Purchase Order / Quote		100 1 2 2 2 1 1 1 1 1 1 1 1 2 2 2 1 0 0 1 1 1 1
AAL Fraction Number Semple Number / Location Da	Dete Time Sample Type / Size of Container Temp. Chemical A	10/11/11
< A SP-1@ 6-8" 5-18-0	1330sail 402	
L'H Sp. A @ 8' /		
1 50-13 @ 7' /		×
1		N
WH SD. Dero'	1230 / / / / / / / / / / / / / / / / / / /	×
linquished by: Date Date Date	Received by: CM - Jahr Relinquished by?	A Date Received by:
36001/101	Printed S "Tuber	14
mpany LKOSin X 1100	Company ritil Company ritil	Company All
hod of Shipment	Comments:	After analysis, samples are to be:
pment No.		Disposed of (additional fee)
scial Instructions:		C Stored over 30 days (additional fee)
		Returned to customer

CARRIER