

1R - 426-301

REPORTS

DATE:

4-11-12

1R426-301

RECEIVED OCD

2012 MAY -1 P 1:49

BD ~~Jet.~~ H-11
2011

DISCLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Blinebry-Drinkard (BD)	Jct. H-11	H	11	23S	37E	Lea	Eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Walco Ranch, LLC OTHER _____

Depth to Groundwater 66 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 4/16/2011 Date Completed 6/10/2011 OCD Witness no

Soil Excavated 222.2 cubic yards Excavation Length 25 Width 20 Depth 12 feet

Soil Disposed 348 cubic yards Offsite Facility Sundance Services Location Eunice, NM

FIELD SOURCE RESULTS: Sample Date 4/28/2011, 5/13/2011 Sample Depth 12 ft.

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	13.9	<50.0	674	3,960
BOTTOM COMP.	19.2	<10.0	190	2,560
BACKFILL COMP.	n/a	<50.0	463	2,680
BLENDED BACKFILL WITH IMPORTED SOIL COMP.	9.8	<10.0	111	1,260

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4 wall comp.	n/a	2,393
bottom comp.	12'	1,975
backfill comp.	n/a	993
background vertical delineation trench 20 ft. north of junction (source)	6"	150
	2'	995
	4'	1,381
	6'	4,448
	8'	1,221
	10'	1,040
	12'	2,024

General Description of Remedial Action: This junction box was eliminated during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 25x20x12 ft deep excavation. Chloride field tests performed on each sample resulted in concentrations that did not relent with depth. Organic vapors were measured using a PID which yielded relatively low concentrations. The excavated soil was blended on site, and representative composite composite samples of the excavation bottom, the excavation walls, and the blended backfill were sent to a commercial laboratory for analysis of chloride and TPH. A total of 348 yards of blended backfill was transported to a NMOCD approved disposal facility. The remaining backfill was blended on site with clean imported soil. A representative composite sample of the blended backfill with imported soil was sent to a commercial laboratory for analysis of chloride and TPH. A 5 ft. deep shelf was excavated extending 5 ft out from the east wall to prepare the excavation for a 20-mil reinforced liner. On 6/3/2011, a 20-mil reinforced plastic liner was installed at 5 ft BGS and the excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 6/10/2011, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. NMOCD was notified of potential groundwater impact on 3/12/2012.

Enclosures: photos, lab results, PID (field) screenings, cross section diagram, chloride curve, revegetation form
Additional evaluation is **MEDIUM** priority.

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Oscar Frayre SIGNATURE 

REPORT ASSEMBLED BY Amy C. Ruth SIGNATURE  COMPANY RICE OPERATING COMPANY

PROJECT LEADER Zach Conder SIGNATURE  DATE 4-11-12

*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

BD Jct. H-11

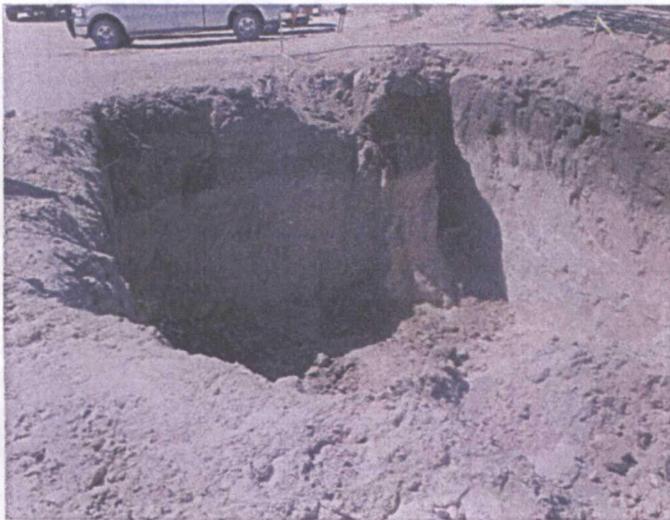
Unit H, Section 11, T23S, R37E



Digging vertical, facing north 4.19.11



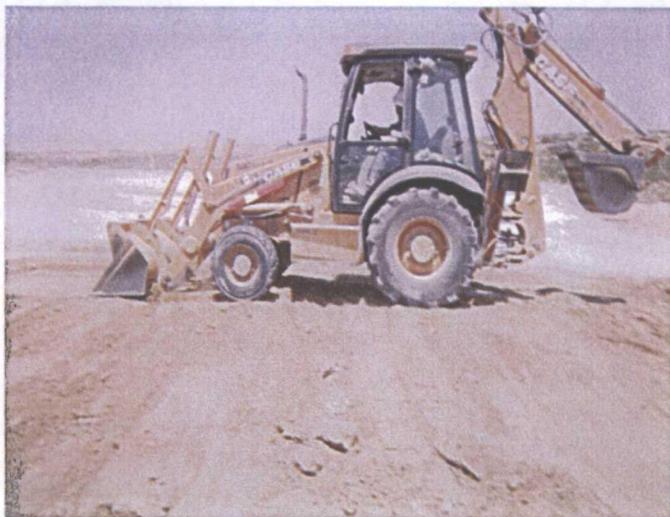
Collecting sample, facing north 4.27.11



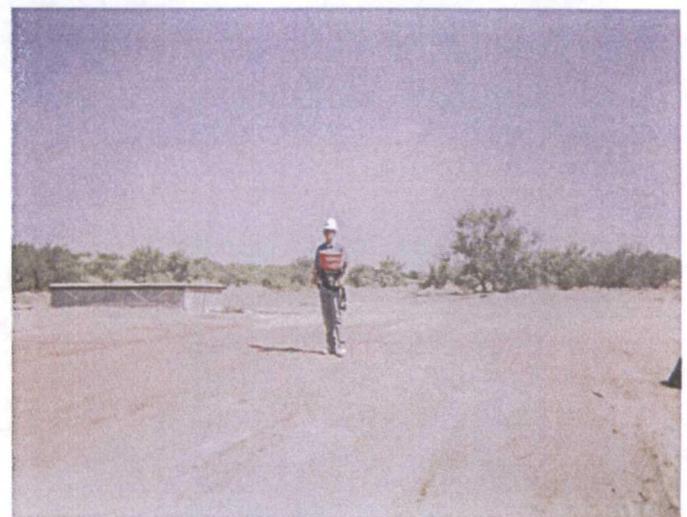
Final excavation, facing west 4.28.11



Importing topsoil, facing east 6.9.11



Spreading backfill, facing south 6.9.11



Seeding site, facing north 6.10.11

May 05, 2011

Hack Conder
Rice Operating Company
112 W. Taylor
Hobbs, NM 88240

RE: BD JCT H-11

Enclosed are the results of analyses for samples received by the laboratory on 04/28/11 16:21.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

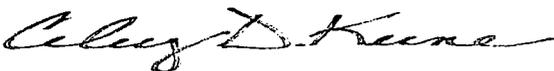
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

COPY

Analytical Results For:

 Rice Operating Company
 Hack Conder
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

 Received: 04/28/2011
 Reported: 05/05/2011
 Project Name: BD JCT H-11
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 04/28/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 5 PT BTM COMP (H100882-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	05/02/2011	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/03/2011	ND	187	93.5	200	3.03	
DRO >C10-C28	190	10.0	05/03/2011	ND	189	94.7	200	9.21	

Surrogate: 1-Chlorooctane 80.1 % 70-130
 Surrogate: 1-Chlorooctadecane 84.0 % 70-130

Sample ID: 4 WALL COMP (H100882-02)

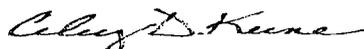
Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3960	16.0	05/02/2011	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/03/2011	ND	187	93.5	200	3.03	
DRO >C10-C28	674	50.0	05/03/2011	ND	189	94.7	200	9.21	

Surrogate: 1-Chlorooctane 84.6 % 70-130
 Surrogate: 1-Chlorooctadecane 91.8 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Rice Operating Company
 Hack Conder
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received:	04/28/2011	Sampling Date:	04/28/2011
Reported:	05/05/2011	Sampling Type:	Soil
Project Name:	BD JCT H-11	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BLENDED BACKFILL COMP (H100882-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	05/02/2011	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	05/03/2011	ND	187	93.5	200	3.03		
DRO >C10-C28	463	50.0	05/03/2011	ND	189	94.7	200	9.21		

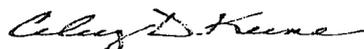
Surrogate: 1-Chlorooctane	87.9 %	70-130
Surrogate: 1-Chlorooctadecane	88.8 %	70-130

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

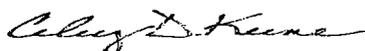
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

Company Name: <u>Rice</u>				BILL TO				ANALYSIS REQUEST																								
Project Manager: <u>Hack Conder</u>				P.O. #:				<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">GL</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">TPH 8015M</div> </div>																								
Address: <u>1322 W Taylor</u>				Company:																												
City:		State:		Zip:		Attn:																										
Phone #:		Fax #:		Address:																												
Project #:		Project Owner:		City:																												
Project Name: PO BOX 1514 <u>KN</u>				State:																Zip:												
Project Location: <u>BD JCT H-11</u>				Phone #:																Fax #:												
Sampler Name: <u>Kyle Norman</u>																																
FOR LAB USE ONLY																																
Lab I.D.		Sample I.D.				(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.			SAMPLING																	
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE		TIME															
<u>H100681-1</u>		<u>5pt Bottom Composite</u>				C	1						✓		<u>4-28-11</u>		<u>11:19</u>		✓	✓												
<u>2</u>		<u>4 Wall Composite</u>				C	1						✓		<u>4-28-11</u>		<u>11:25</u>		✓	✓												
<u>3</u>		<u>Blended Backfill Composite</u>				C	1						✓		<u>4-28-11</u>		<u>3:15</u>		✓	✓												

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Relinquished By: <u>[Signature]</u>		Date: <u>4/28/11</u>		Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: <u>4:21</u>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One)				Sample Condition		CHECKED BY: <u>[Signature]</u>			
Sampler - UPS - Bus - Other:				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No					

May 19, 2011

Hack Conder

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: BD JCT H-11

Enclosed are the results of analyses for samples received by the laboratory on 05/13/11 16:25.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

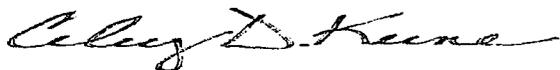
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

COPY

Analytical Results For:

 Rice Operating Company
 Hack Conder
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received:	05/13/2011	Sampling Date:	05/13/2011
Reported:	05/19/2011	Sampling Type:	Soil
Project Name:	BD JCT H-11	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BLENDED BKFILL W/ IMPORT SOIL (H100993-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1260	16.0	05/16/2011	ND	416	104	400	3.77		
TPH 8015M		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/19/2011	ND	160	79.8	200	2.20		
DRO >C10-C28	111	10.0	05/19/2011	ND	141	70.4	200	3.14		

Surrogate: 1-Chlorooctane	85.8 %	70-130
Surrogate: 1-Chlorooctadecane	65.9 %	70-130

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Cardinal Laboratories

*=Accredited Analyte

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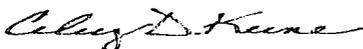


Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Caley D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <i>Rice</i>				BILL TO				ANALYSIS REQUEST													
Project Manager: <i>Nachi Casador</i>				P.O. #:				COPY													
Address: <i>1322 W. Taylor</i>				Company:																	
City: <i>Hobbs</i>		State: <i>NM</i>		Zip: <i>88240</i>		Attn:															
Phone #:		Fax #:		Address:																	
Project #:		Project Owner:		City:																	
Project Name:				State: Zip:																	
Project Location: <i>BD Sct H-11 2237</i>				Phone #:																	
Sampler Name: <i>OSCAR ESPINOZA</i>				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME						
H10093		-		1			X				X										
		<i>Blended Rockfill / Imported Soil</i>																			

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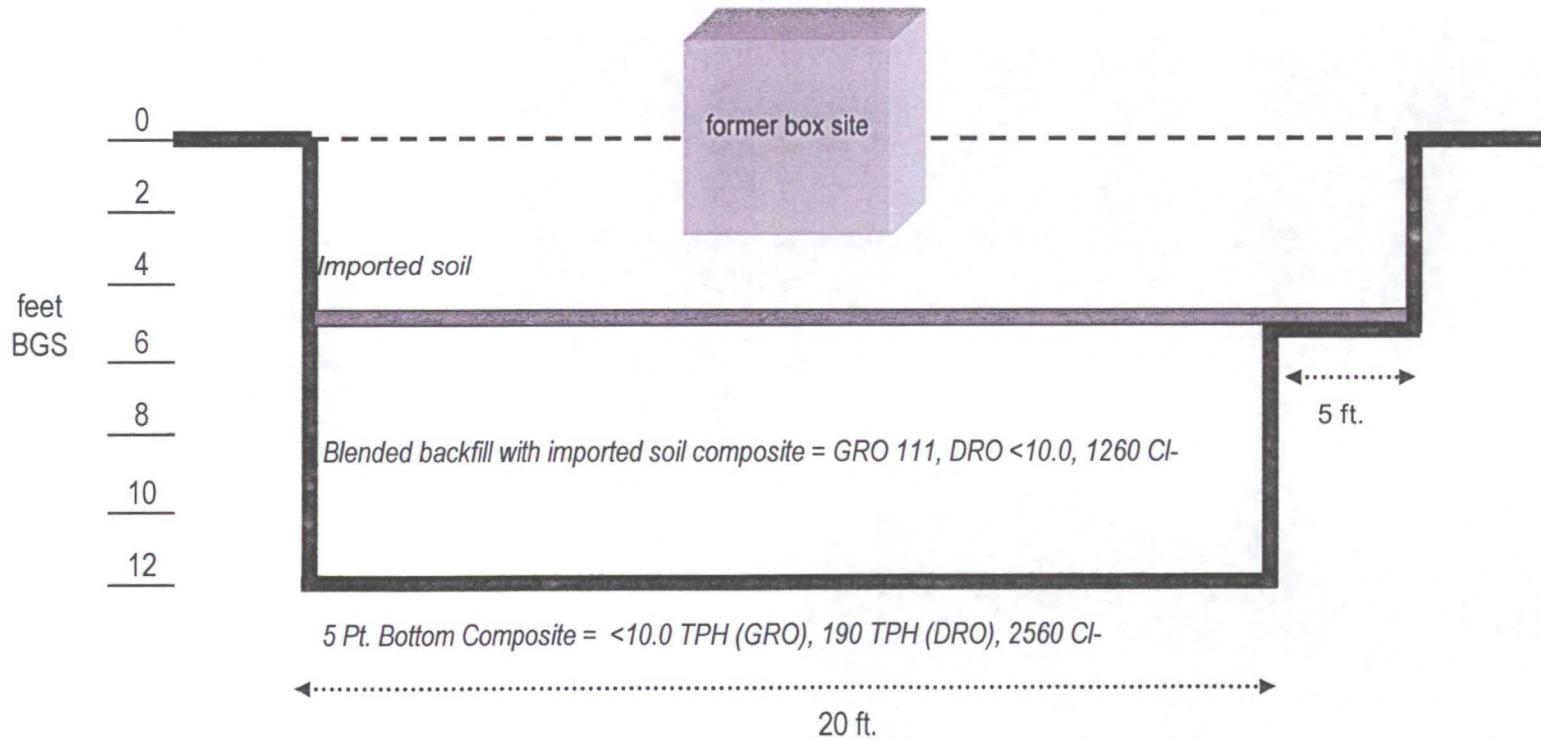
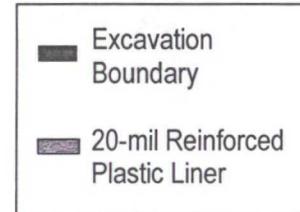
Relinquished By: <i>Nachi Casador</i>		Date: <i>5-7-11</i>	Received By: <i>Jodi Benson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Time: <i>4:25</i>	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Sample Condition		CHECKED BY: <i>JTB</i>	
Sampler - UPS - Bus - Other:		Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
REMARKS: <i>BBaker @ Rice-LCS.com, H Gordon @ Rice-LCS.com D. Aguirre @ Rice-LCS.com, Z. Cantelmo @ Rice-LCS.com Sample just taken & brought immediately to lab.</i>					

BD JCT H-11
Unit 'H', Sec. 11, T23S, R37E

Excavation Cross-Section

W

E

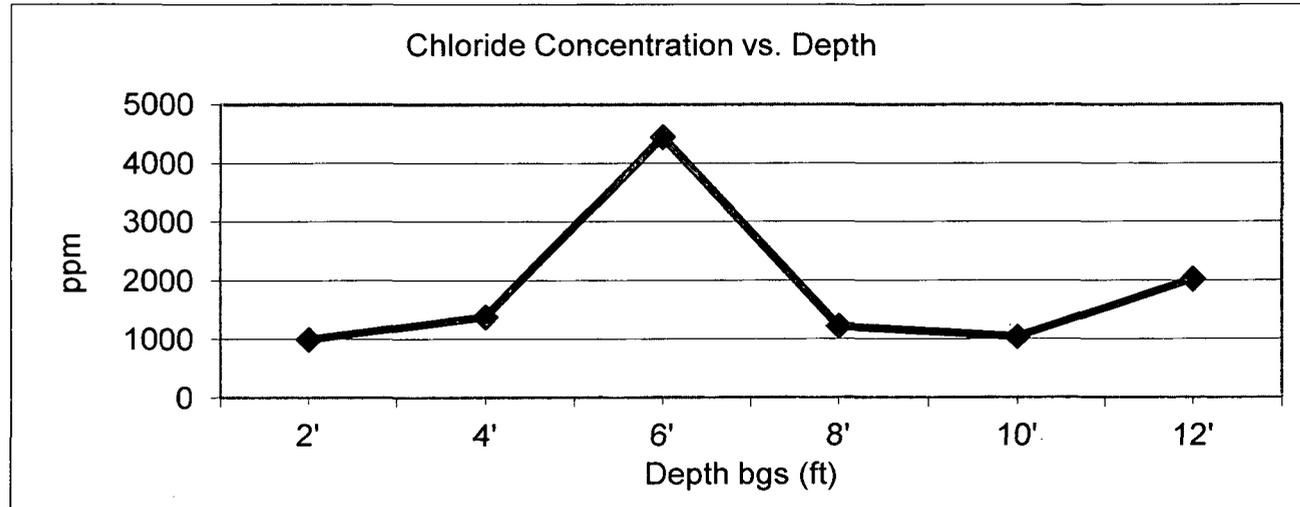


BD Jct H-11

Unit 'H', Sec. 11, T23S, R37E

Backhoe samples at 20 ft. north of the junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
2'	995
4'	1381
6'	4448
8'	1221
10'	1040
12'	2024



Groundwater = 66 ft



PO Box 5630
 Hobbs, NM 88241
 Phone: (575) 393-4411
 Fax: (575) 393-0293

REVEGETATION FORM

1. General Information

Site name		BD Jct. H-11				
U/L H	Section 11	Township 23S	Range 37E	County Lea	Latitude 32° 19.257'	Longitude 103° 07.663'
Contact Name:		Bruce Baker				
Email:		bbaker@rice-ecs.com				
Site size: 25x20		square feet 500		Map detail of site attached <input checked="" type="checkbox"/>		
Additional information:						

2. Soils

**Do not rip caliche subsoils; caliche rocks brought to the surface by ripping shall be removed.*

Salvaged from site <input checked="" type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input checked="" type="checkbox"/>	Blended <input checked="" type="checkbox"/>	Depth (in):	
Texture:		Describe soil & subsoil:			
Soil prep methods:	Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>
Date completed: 6/9/2011					

3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input type="checkbox"/>
Type:		Describe:
Lbs/acre:		

4. Seeding

**Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R.*

Custom seed mix <input checked="" type="checkbox"/>	Prescribed mix <input type="checkbox"/>	Seed mix name: 6 lbs. Boyd Johnston Mix	Seeding date: 6/10/2011
Broadcast <input checked="" type="checkbox"/>			
Method: Broadcast spreader			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input checked="" type="checkbox"/>	Observations:		
Number of photos:			

5. Certification

I hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief.

Name: Oscar Frayre	Title: Environmental Tech	Date: 6/10/2011
Signature:		

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