

1R - 426-304

**REPORTS**

**DATE:**

1-3-12

1R426-304

RECEIVED OCD

2012 MAY -1 P 1:49

BD Jct. P-11  
2011

DISCLOSURE

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

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Blinebry-Drinkard (BD)	Jct. P-11	P	11	22S	37E	Lea	Length	Width	Depth
							eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Eugenia L. Pierce OTHER \_\_\_\_\_

Depth to Groundwater 65 feet NMOCD SITE ASSESSMENT RANKING SCORE: 30\*

Date Started 3/31/2011 Date Completed 5/3/2011 OCD Witness No

Soil Excavated 266.7 cubic yards Excavation Length 30 Width 20 Depth 12 feet

Soil Disposed None cubic yards Offsite Facility n/a Location n/a

**FINAL ANALYTICAL RESULTS:** Sample Date 4/18/2011 Sample Depth 12'

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.

**CHLORIDE FIELD TESTS**

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	1.2	14.4	124	752
BOTTOM COMP.	0.9	10.6	12.6	544
BLENDED BACKFILL	4.1	10.9	19.0	256

LOCATION	DEPTH	mg/kg
4-wall comp.	N/A	720
bottom comp.	12'	654
blended backfill	N/A	752
background	6"	203
vertical delineation trench at 5' north of source	2'	327
	4'	374
	6'	416
	8'	510
	10'	513
	12'	881

**General Description of Remedial Action:** This junction 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 30x20x12-ft excavation. Chloride field tests performed on

each sample yielded elevated concentrations that did not relent with depth. Organic

vapors were measured using a PID which yielded low concentrations. The excavated

soil was blended on site and representative 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. The

blended backfill was returned to the excavation to a depth of 4-ft BGS. On 5/2/2011, a 20-mil reinforced liner was installed at 4-ft BGS

and the excavation was backfilled with the remaining blended soil to ground surface and contoured to the surrounding area. On 5/3/2011,

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 12/22/2011.

\*Windmill located 700-ft. southwest

**ADDITIONAL EVALUATION IS HIGH PRIORITY**

enclosures: photos, lab results, PID (field) screenings, cross-section, chloride curve, revegetation form

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

SITE SUPERVISOR Gerald Perez SIGNATURE signature not available

REPORT ASSEMBLED BY Laura Peña SIGNATURE Laura Peña COMPANY RICE OPERATING COMPANY

PROJECT LEADER Larry Bruce Baker, Jr. SIGNATURE Larry Bruce Baker Jr. DATE 1-3-12

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



# BD Jct. P-11

Unit P, Section 11, T22S, R37E



Excavating the former junction box, facing west  
3.31.11



Collecting a soil sample, facing west  
3.31.11



Backfilling the excavation up to 4-ft. BGS, facing west  
5.2.11



Installing a 30x20-ft., 20-mil reinforced liner at 4-ft. BGS, facing north  
5.2.11



Backfilling site above liner, facing west  
5.2.11



Seeding site, facing west  
5.3.11

April 20, 2011

Hack Conder

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: BD JCT P-11 (22/37)

Enclosed are the results of analyses for samples received by the laboratory on 04/18/11 16:29.

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.

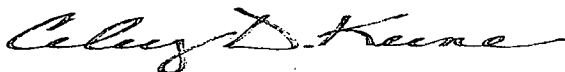
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 04/18/2011  
 Reported: 04/20/2011  
 Project Name: BD JCT P-11 (22/37)  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 04/18/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: 4 WALL COMP (H100786-01)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	04/20/2011	ND	400	100	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	14.4	10.0	04/19/2011	ND	206	103	200	1.31		
DRO >C10-C28	124	10.0	04/19/2011	ND	207	104	200	1.30		
Surrogate: 1-Chlorooctane	105 %	70-130								
Surrogate: 1-Chlorooctadecane	110 %	70-130								

COPY

**Sample ID: BLENDED BACKFILL (H100786-02)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	04/20/2011	ND	400	100	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	10.9	10.0	04/19/2011	ND	206	103	200	1.31		
DRO >C10-C28	19.0	10.0	04/19/2011	ND	207	104	200	1.30		
Surrogate: 1-Chlorooctane	99.5 %	70-130								
Surrogate: 1-Chlorooctadecane	101 %	70-130								

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 04/18/2011  
Reported: 04/20/2011  
Project Name: BD JCT P-11 (22/37)  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/18/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: 5 PT BTM COMP (H100786-03)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	04/20/2011	ND	400	100	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	10.6	10.0	04/19/2011	ND	206	103	200	1.31		
DRO >C10-C28	12.6	10.0	04/19/2011	ND	207	104	200	1.30		

Surrogate: 1-Chlorooctane 101 % 70-130

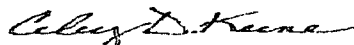
Surrogate: 1-Chlorooctadecane 104 % 70-130

COPY

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analytes. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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

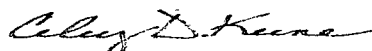
COPY

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



---

Celey D. Keene, Lab Director/Quality Manager





# CARDINAL Laboratories

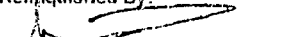

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: <u>Rice</u>						<b>BILL TO</b>								<b>ANALYSIS REQUEST</b>									
Project Manager: <u>Hack Center</u>						P.O. #:																	
Address: <u>1233 W Taylor</u>						Company:																	
City: <u>Tomball</u> State: <u>V.M.</u> Zip: <u>77401</u>						Attn:																	
Phone #: _____ Fax #: _____						Address:																	
Project #: _____ Project Owner:						City:																	
Project Name:						State: _____ Zip: _____																	
Project Location: <u>BD JCT P-11 22.37</u>						Phone #: _____																	
Sampler Name:						Fax #: _____																	
FOR LAB USE ONLY																							
Lab I.D.	Sample I.D.	(GRAB OR COMP.)	# CONTAINERS	MATRIX	PRESERV	SAMPLING																	
				GROUNDEWATER WASTEWATER SOIL SLOPE SLUDGE OTHER	ACID/BASE ICE / COOL OTHER	DATE TIME																	
<u>H100B61</u>	<u>4 Wall Comp</u>	<u>C</u>	<u>C</u>				<u>CL-</u>																
<u>2</u>	<u>Blinded Bucket</u>	<u>C</u>	<u>C</u>				<u>TPH</u>																
<u>3</u>	<u>5pt Bottom Comp</u>	<u>C</u>	<u>C</u>					COPY															

PLEASE NOTE: Liability and Damages. General liability and clerical coverage only for any claim arising under or from the contract shall be limited to the amount paid by the client for the policy. All claims involving third party negligence and any other cause whatsoever shall be covered under the contract in writing but not covered by General when the amount paid by the client for the policy is exhausted. In no event shall General be liable for monetary or consequential damages, including without limitation, lost profits, lost income, or loss of profits generated by client, its subsidiaries, affiliates, or successors arising with or without fault, to the performance of services furnished by General or its affiliates, or whether such claim is based upon any of the above stated causes of damages.

Relinquished By:  Relinquished By: _____	Date: 4-19-11 Time: 4:29	Received By: Jodi Newton Received By: _____	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Add'l Fax #: _____	REMARKS: BBaker@Rice-ccs.com; HBrider@Rice-ccs.com; K.Tones@Rice-SD.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool / Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) 	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-398-2476

122 West Taylor Hobbs, NM 88240  
PHONE: (505) 393-9174 FAX: (505) 397-1471  
PID METER CALIBRATION & FIELD REPORT FORM

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO :927041	EXPIRATION DATE:11-16-12
METER READING ACCURACY:100.00	

ACCURACY : +/- 2%

	<b>COMPANY</b>
	RICE

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	P-11	P	11	22	3

[illegible]

I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE:

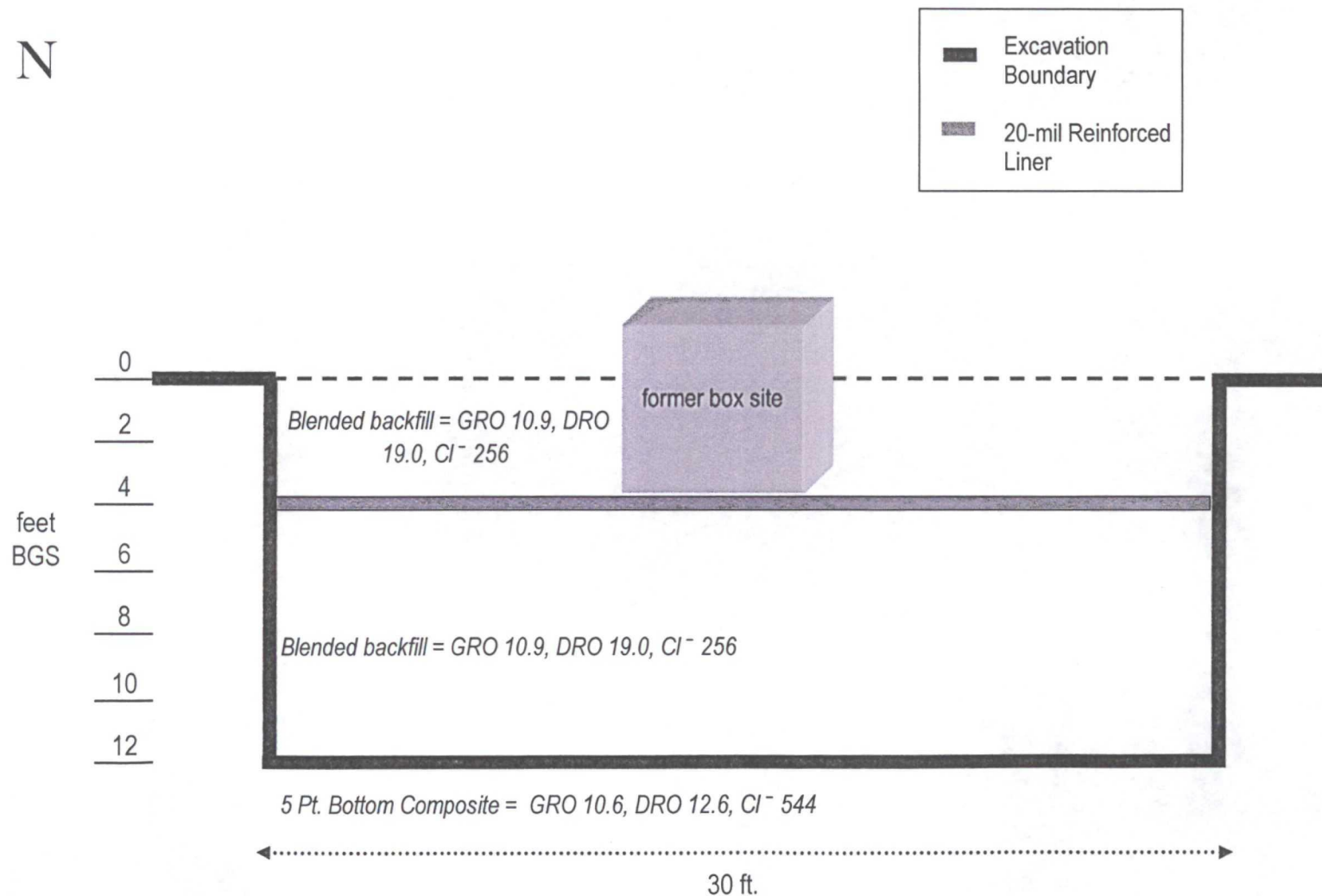
DATE: 4-18-11

BD Jct. P-11  
Unit 'P', Sec. 11, T22S, R37E

## Excavation Cross-Section

N

S

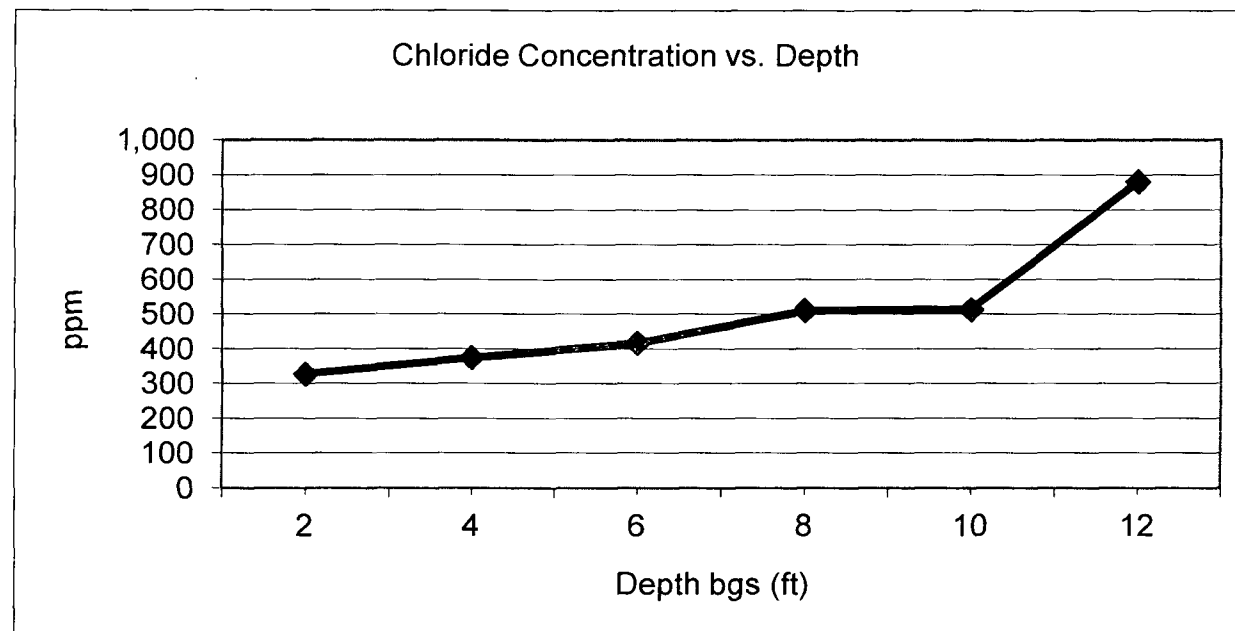


**BD Jct. P-11**

Unit 'P', Sec. 11, T22S, R37E

*Backhoe samples at 5 ft North of the junction (source)*

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
2	327
4	374
6	416
8	510
10	513
12	881



Groundwater = 65 ft



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

## VEGETATION FORM

### 1. General Information

Site name: BD JCT P-11						
U/L P	Section 11	Township 22S	Range 37E	County Lea	Latitude N32*24.075'	Longitude W103*07.527'
Contact Name: Bruce Baker						
Email: <a href="mailto:bbaker@rice-ecs.com">bbaker@rice-ecs.com</a>						
Site size: 706		square feet		Map detail of site attached <input 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 type="checkbox"/>	Depth (in): 6''	
Texture: Sandy		Describe soil & subsoil: Blow sand and subsoil caliche			
Soil prep methods:	Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>
Date completed: 5/3/11					

### 3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input checked="" type="checkbox"/>
Type:		Describe: BioNance
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: Pecos District Mix	Seeding date: 5-3-11
Broadcast <input checked="" type="checkbox"/>			
Method: Portable seeder			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input type="checkbox"/>	Observations: 7 LBS OF BOYD JOHNSTON MIX		
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 ERAYRE	Title: Environmental Tech.	Date: 5-3-11
Signature:		

COPY