

**1R - 426-305**

**REPORTS**

**DATE:**

**3-22-12**

1R426-305

RECEIVED OCD

2012 MAY -1 P 1:49

BD L-20 EOL  
2011

DISCLOSURE

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

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Bliebry-Drinkard (BD)	L-20 EOL	L	20	22S	37E	Lea	Length	Width	Depth
							Eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE X FEE LANDOWNER \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater 92 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 5/3/2011 Date Completed 6/27/2011 OCD Witness No

Soil Excavated 400.0 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed 36 cubic yards Offsite Facility Sundance Services, Inc. Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 5/24/2011, 6/29/2011 Sample Depth 12', 21', 51'

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	Chloride mg/kg
4-WALL COMP.	1.2	<10.0	<10.0	944
BOTTOM COMP.	1.7	<10.0	24.2	1,010
BLENDED BACKFILL	0.9	<10.0	33.5	336
SB 1 @ 21'	4.2	<10.0	<10.0	2,880
SB 1 @ 51'	0.0	<10.0	<10.0	80

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH	mg/kg
4-wall comp.	N/A	642
bottom comp.	12'	552
blended backfill	N/A	575
background	6"	151
SB-1 at 10' north of source	15'	818
	18'	1,098
	21'	2,325
	24'	2,008
	27'	2,042
	30'	1,639
	33'	1,016
	36'	865
	39'	721
	42'	594
	45'	419
	48'	232
	51'	178

**General Description of Remedial Action:** This junction and line were 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 30x30x12-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 4.5 ft. below ground surface (BGS). On 6/25/2011, a 20-mil reinforced plastic liner was installed at 4.5-ft. BGS and the excavation was backfilled with the remaining blended soil to ground surface and contoured to the surrounding area. A total of 36 cubic yards of soil was transported to a NMOCD approved disposal facility. On 6/27/2011, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. To further investigate the depth of chloride presence, a soil bore was initiated on 6/29/2011 10 ft north of the source. The boring was advanced to a depth of 51 ft. BGS with soil samples collected at regular intervals between 15-51 ft. Chloride field tests were performed on each sample and organic vapors were measured using a PID. The 21 ft. and 51 ft. samples were taken to a commercial laboratory for analysis of chloride and TPH. The entire bore hold was plugged with bentonite to ground surface. NMOCD was notified of potential groundwater impact on 3/16/2012.

**ADDITIONAL EVALUATION IS MEDIUM PRIORITY**

enclosures: photos, boring log, 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 Oscar Frayre SIGNATURE 

REPORT ASSEMBLED BY Laura Peña SIGNATURE 

COMPANY RICE OPERATING COMPANY

PROJECT LEADER Larry Bruce Baker, Jr. SIGNATURE 

DATE 3-22-12

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

# BD L-20 EOL

Unit L, Section 20, T22S, R37E



Site prior to excavation, facing north

5.3.11



Excavating site, facing north

5.3.11



Collecting final samples, facing north

5.24.11



Backfilling above installed plastic liner, facing north

6.25.11





Seeding site, facing south

6.27.11



Drilling SB-1, facing north

6.29.11



Plugging SB-1 with bentonite, facing north



6.29.11



SB-1 plugged, facing north

6.29.11



Logger:	Jordan Woodfin							
Driller:	Harrison & Cooper, Inc.							
Drilling Method:	Air rotary		Project Name:	Well ID:				
Start Date:	6/29/2011		BD L-20 EOL	SB-1				
End Date:	6/29/2011		Project Consultant: Junction box plan					
Comments: Soil bore installed per the ROC junction box upgrade plan. All samples were from cuttings. Located 10 ft north of former box. DRAFTED BY: L. Weinheimer TD = 51 ft                      GW = 92 ft			Location: UL/L sec. 20 T22S R37E Lat: 32°22'26.289"N      County: Lea Long: 103°11'32.899"W      State: NM					
Depth (feet)	Chloride field tests	LAB	PID	Description	Lithology	Well Construction		
15 ft	818		6.7	Tan very fine sand, slight silt, small caliche fragments				
18 ft	1098		5.3					
21 ft	2325	CI-2880	4.2					
		GRO <10						
		DRO <10						
24 ft	2008		3.3					
27 ft	2042		2.8					
30 ft	1639		1					
33 ft	1016		1.8					
36 ft	865		1.2					

bentonite  
seal

COPY

Depth (feet)	Chloride field tests	LAB	PID	Description	Lithology	Well Construction
39 ft	721		0.9			
42 ft	594		0.5			
45 ft	419		0			
48 ft	232		0			
51 ft	178	Cl- 80	0			
		GRO <10				
		DRO <10				

COPY



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 19, 2012

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

RE: BD L-20 EOL (22/37)

Enclosed are the results of analyses for samples received by the laboratory on 06/29/11 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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 (V1, 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,

A handwritten signature in cursive script that reads "Celey D. Keene".

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: 06/29/2011  
 Reported: 03/19/2012  
 Project Name: BD L-20 EOL (22/37)  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 06/29/2011  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SB 1 @ 21' (H101346-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	06/30/2011	ND	448	112	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	06/30/2011	ND	145	72.7	200	4.38	
DRO >C10-C28	<10.0	10.0	06/30/2011	ND	141	70.3	200	2.33	
Surrogate: 1-Chlorooctane	96.3 %	70-130							
Surrogate: 1-Chlorooctadecane	117 %	70-130							

**Sample ID: SB 1 @ 51' (H101346-02)**

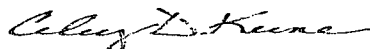
Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/30/2011	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/30/2011	ND	145	72.7	200	4.38	
DRO >C10-C28	<10.0	10.0	06/30/2011	ND	141	70.3	200	2.33	
Surrogate: 1-Chlorooctane	101 %	70-130							
Surrogate: 1-Chlorooctadecane	117 %	70-130							

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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

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

### 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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\*=Accredited Analyte

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*Celey D. Keene*

Celey 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: <u>RICE OPERATING</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																																	
Project Manager:				P.O. #:				<div style="display: flex; align-items: center; justify-content: center;"><div style="writing-mode: vertical-rl; transform: rotate(180deg);">C1-TPH9015m</div><div style="writing-mode: vertical-rl; transform: rotate(180deg);">COOL</div></div>																																	
Address: <u>122 W. TAYLOR</u>				Company:																																					
City: <u>HOBBS</u> State: Zip:				Attn:																																					
Phone #: Fax #:				Address:																																					
Project #: Project Owner:				City:																																					
Project Name: <u>BD C-20 EOL</u>				State: Zip:																																					
Project Location: <u>BD C-20 EOL</u>				Phone #:																																					
Sampler Name: <u>Jordan Woodfin</u>				Fax #:																																					
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE/COOL		OTHER:		DATE		TIME													
H1013416		-1 SB 1 @ 21'		3		1						X								X		6/29/11		3:00		X		X													
		2 SB 1 @ 51'		3		1						X								X		11		3:20		X		X													

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 the client for the 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 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, in whole or in part, or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:		Date: <u>6-28-11</u>		Received By: <u>Jodi Benson</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: <u>4:05</u>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: <u>EMAIL</u> *Sample date changed as per Lara. <u>Katy Jordan</u> <u>HACK LARA</u> <u>sample taken &amp; brought immediately to lab.</u> <u>3/19/12 ch</u>			
Delivered By: (Circle One)		Time:							
Sample - UPS - Bus - Other:									
				Sample Condition					
				Cool Intact					
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
				CHECKED BY: <u>JH</u>					

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



# RICE ENVIRONMENTAL CONSULTING & SAFETY

122 West Taylor Hobbs, NM 88240  
PHONE: (575) 393-9174 FAX: (575) 397-1471  
PID METER CALIBRATION & FIELD REPORT FORM

CK.		MODEL: PGM 7300	SERIAL NO: 590-000508
MODEL		MODEL: PGM 7300	SERIAL NO: 590-000504
NO.	✓	MODEL: PGM 7320	SERIAL NO: 592-903318
		MODEL: PGM 7300	SERIAL NO: 590-000183

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 927041	EXPIRATION DATE: 11-16-12
METER READING ACCURACY: 100.0	

ACCURACY : +/- 2%

COMPANY
ROC

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	L-20 EOL	L	20	22S	37E

SAMPLE ID	PID	SAMPLE ID	PID
15'	6.7	51'	0
18'	5.3		
21'	4.2		
24'	3.3		
27'	2.8		
30'	1		
33'	1.8		
36'	1.2		
39'	0.9		
42'	0.5		
45'	0		
48'	0		

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

SIGNATURE: Signature not available

DATE: 6/29/2011

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PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

May 26, 2011

Hack Conder

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: BD L-20 EOL (22/37)

Enclosed are the results of analyses for samples received by the laboratory on 05/24/11 16:00.

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,

A handwritten signature in cursive script that reads "Celey D. Keene".

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: 05/24/2011  
 Reported: 05/26/2011  
 Project Name: BD L-20 EOL (22/37)  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 05/24/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: 5 PT. BTM COMP (H101062-01)**

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	05/26/2011	ND	432	108	400	3.64	
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	05/25/2011	ND	241	120	200	3.97	
DRO >C10-C28	24.2	10.0	05/25/2011	ND	213	107	200	0.169	
Surrogate: 1-Chlorooctane		108 %	70-130						
Surrogate: 1-Chlorooctadecane		100 %	70-130						

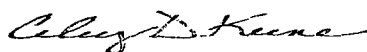
**Sample ID: 4 WALL COMP (H101062-02)**

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	05/26/2011	ND	432	108	400	3.64	
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	05/26/2011	ND	241	120	200	3.97	
DRO >C10-C28	<10.0	10.0	05/26/2011	ND	213	107	200	0.169	
Surrogate: 1-Chlorooctane		104 %	70-130						
Surrogate: 1-Chlorooctadecane		95.5 %	70-130						

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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**Analytical Results For:**

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

 Received: 05/24/2011  
 Reported: 05/26/2011  
 Project Name: BD L-20 EOL (22/37)  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 05/24/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

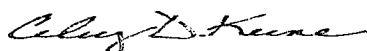
**Sample ID: BLENDED BACKFILL (H101062-03)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/26/2011	ND	432	108	400	3.64	
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	05/26/2011	ND	241	120	200	3.97	
DRO >C10-C28	33.5	10.0	05/26/2011	ND	213	107	200	0.169	
Surrogate: 1-Chlorooctane	106 %	70-130							
Surrogate: 1-Chlorooctadecane	96.7 %	70-130							

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\* = Accredited Analyte

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Celestine D. Keene, Lab Director/Quality Manager

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**Notes and Definitions**

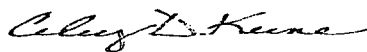
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received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

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# 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 Conder</u>		P.O. #:		<div>CL TPH 8015 PM</div>																						
Address: <u>1322 West Taylor</u>		Company:																								
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn:																								
Phone #: Fax #:		Address:																								
Project #: Project Owner:		City:																								
Project Name:		State: Zip:																								
Project Location: <u>BD-6-20 EOL 22.31</u>		Phone #: Fax #:																								
Sampler Name: <u>Oscar Fajardo</u>		Fax #:																								
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	GRAB OR COMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING																
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME												
H101062																										
-1	5pt Bottom Comp	C	1			X				X			5-24-11	12:15	X	X										
2	4 Wall Comp	C	1			X							5-24-11	17:20	X	X										
3	Blended Backfill	C	1			X				X			5-24-11	17:25	X	X										

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>[Signature]</u>	Date: <u>5-24-11</u> Time: <u>4:00</u>	Received By: <u>[Signature]</u>	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 #:
Relinquished By:	Date: Time:	Received By:	REMARKS: <u>B-Baker @rice sud.com; H Conder @rice sud.com</u> <u>L-Weigh @rice sud.com; K Jones @rice sud.com</u>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool/Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <u>[Signature]</u>		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



# RICE ENVIRONMENTAL CONSULTING & SAFETY

122 West Taylor Hobbs, NM 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

## PID METER CALIBRATION & FIELD REPORT FORM

CK.	<input type="checkbox"/>	MODEL: PGM 7300	SERIAL NO: 590-000508
MODEL	<input type="checkbox"/>	MODEL: PGM 7300	SERIAL NO: 590-000504
NO.	<input type="checkbox"/>	MODEL: PGM 7320	SERIAL NO: 592-903318
	<input checked="" type="checkbox"/>	MODEL: PGM 7300	SERIAL NO: 590-000183

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 930132	EXPIRATION DATE: 4-28-13
METER READING ACCURACY:100.00	

ACCURACY : +/- 2%

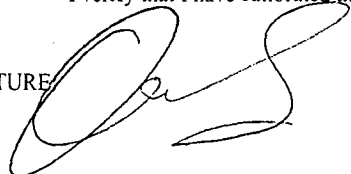
<b>COMPANY</b>
RICE OPERATING

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	L-20 EOL	L	20	22S	37E

SAMPLE ID	PID	SAMPLE ID	PID
5 Point Bottom Composite	1.7		
4 Wall Composite	1.2		
Blended Backfill Composite	0.9		

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

SIGNATURE



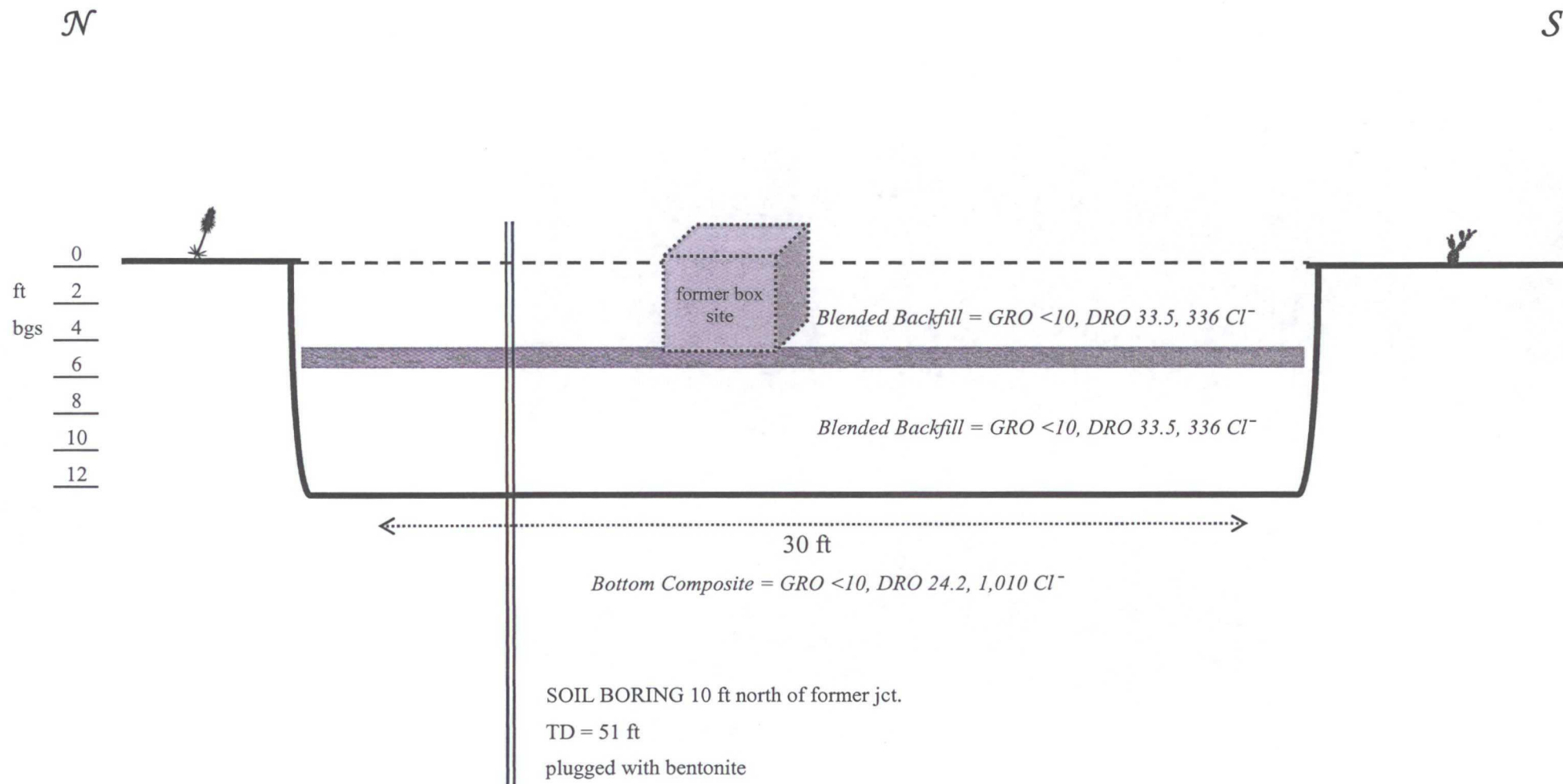
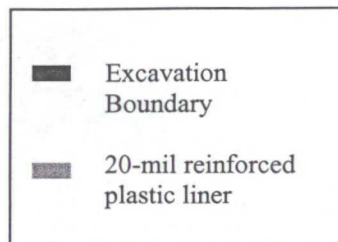
DATE: 5/24/2011

COPY

# BD L-20 EOL

Unit L, Section 20, T22S, R37E

## Excavation Cross-Section

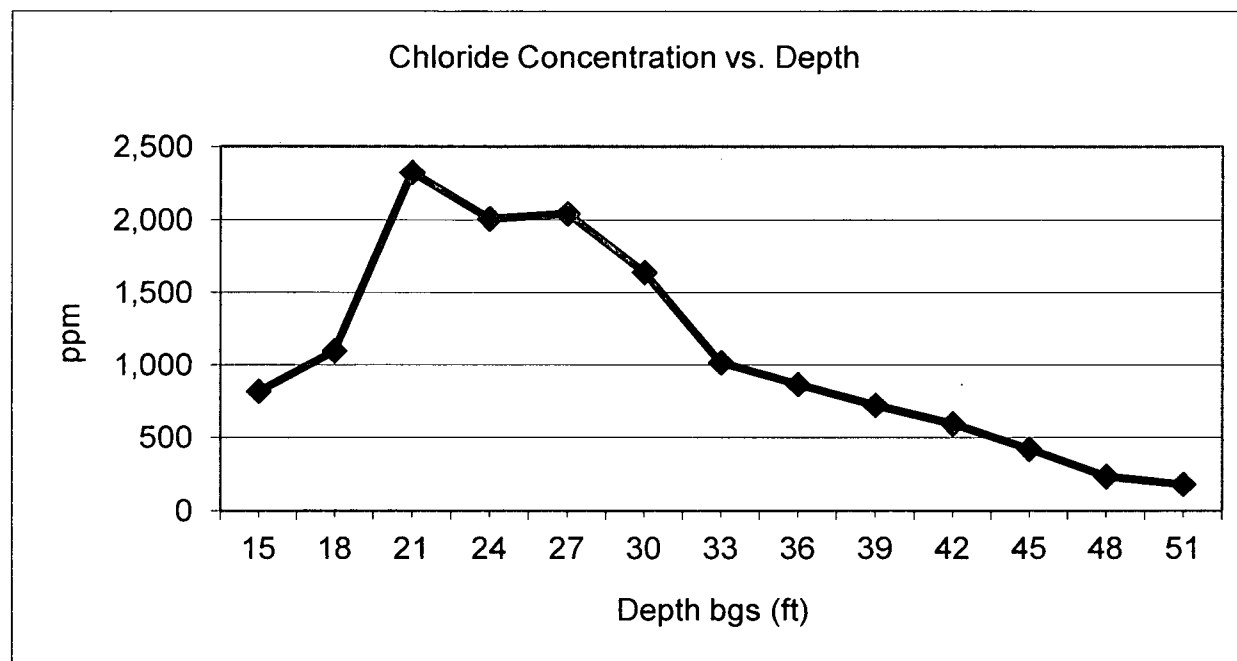


**BD L-20 EOL**

Unit 'L', Sec. 20, T22S, R37E

*SB-1 samples at 10' north of source.*

Depth bgs. (ft)	[Cl <sup>-</sup> ] ppm
15	818
18	1,098
21	2,325
24	2,008
27	2,042
30	1,639
33	1,016
36	865
39	721
42	594
45	419
48	232
51	178



Groundwater = 92 ft



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

## REVEGETATION FORM

### 1. General Information

Site name: BD L-20 EOL						
U/L L	Section 20	Township T22S	Range R37E	County Lea	Latitude 32° 22' 26.2"	Longitude 103° 11' 33.1"
Contact Name: Bruce Baker						
Email: <a href="mailto:bbaker@rice-ecs.com">bbaker@rice-ecs.com</a>						
Site size: 11,875			square feet:	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 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: 6/27/2011					

### 3. Bioremediation

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

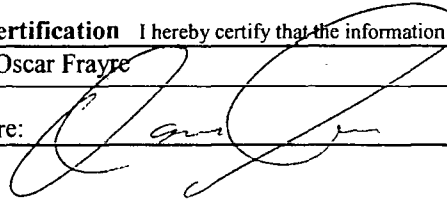
### 4. Seeding

*\*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: 11 lbs. Johnston Mix	Seeding date: 6/27/2011
Broadcast <input checked="" type="checkbox"/> 11 LBS. OF BOYD JOHNSTON MIX			
Method: hand broadcast			
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: 2			

### 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: 6/27/2011
Signature: 		

COPY