

1R - 426-315

REPORTS

DATE:

3-15-13

1R426-315

BD C-32 vent
2012

RECEIVED

APR 2 2013

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

DISCLOSURE

RECEIVED

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

APR 2 2013

Oil Conservation Division

BOX LOCATION							BOX DIMENSIONS IN FEET		
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	Length	Width	Depth
Blinebry-Drinkard (BD)	C-32 vent	C	32	22S	38E	Lea	48"	4'10"	1'6"
							Moved 26' North		

LAND TYPE: BLM STATE FEE LANDOWNER D.K.Boyd Oil and Gas Co. OTHER

Depth to Groundwater 114 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 10/17/2011 Date Completed 4/18/2012 OCD Witness no

Soil Excavated 178 cubic yards Excavation Length 20 Width 20 Depth 12 feet

Soil Disposed 384 cubic yards Offsite Facility Sundance Services Location Eunice, NM

FIELD SOURCE RESULTS: Sample Date 3/27/2012 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.	6.7	<100	1,060	1,720
BOTTOM COMP.	8.7	<100	934	3,440
BLENDED BACKFILL	23.9	<100	2,190	1,790

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4 wall comp.	n/a	1,366
bottom comp.	12'	2,328
backfill comp.	n/a	1,654
background	6"	757
vertical delineation trench at junction (source)	3'	965
	4'	1,306
	5'	1,031
	6'	1,290
	7'	818
	8'	840
	9'	938
	10'	1,962
	11'	2,257
	12'	2,955

General Description of Remedial Action: This junction box was addressed 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 20x20x12 ft deep excavation. Chloride field tests performed on soil samples did not decrease with depth. Organic vapors were measured using a PID which yielded elevated 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. A total of 384 yards of blended backfill was transported to a NMOCD approved disposal facility. Shelves 5 ft. wide were excavated into the north, south, east and west walls to a depth of 6 ft., expanding the excavation length and width to 30x30 ft. The excavated soil was used to backfill the excavation to 6 ft. bgs. On 3/28/2012, a 30x30 ft. 20-mil reinforced liner was installed at 6 ft. BGS and the excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 4/18/2012, 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 3/1/2013. A new, watertight junction box was built 26 ft north.

Additional evaluation is **LOW** priority.

Enclosures: site location map, photos, lab results, PID (field) screenings, cross-section diagram, chloride curve, revegetation form

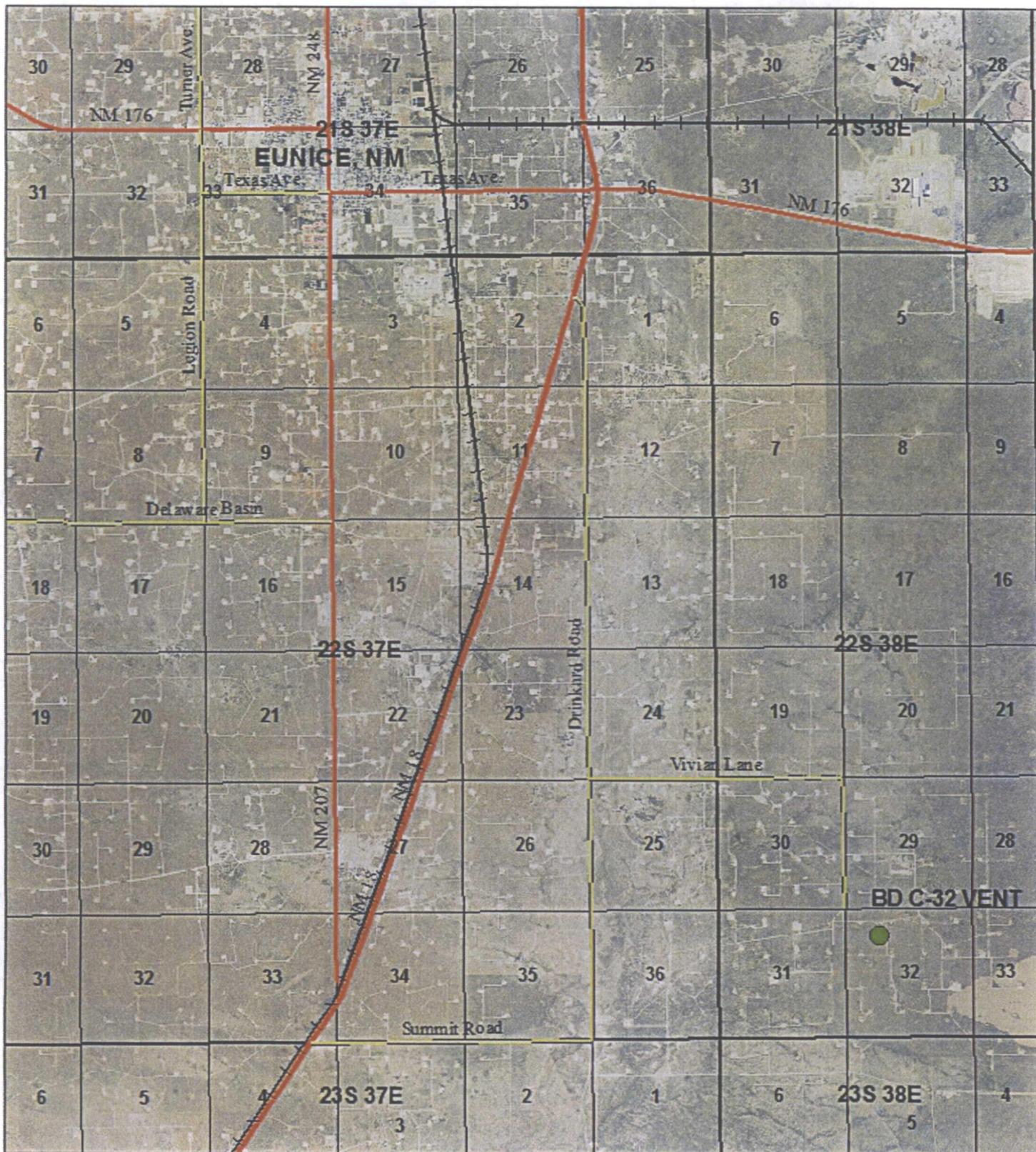
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REPORT ASSEMBLED BY Laura Peña SIGNATURE *Laura Peña* COMPANY Rice Operating

SITE SUPERVISOR Oscar Frayre SIGNATURE Not Available COMPANY Rice Environmental Consulting & Safety

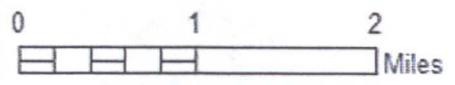
PROJECT LEADER Zach Conder SIGNATURE *Zach Conder* DATE 5-15-13

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



BD C-32 VENT

UL/C SECTION 32
T-22-S R-38-E
LEA COUNTY, NM



Drawing date: 11/7/12
Drafted by: Tony Grieco

BD C-32 Vent

UL/C Sec.32 (T22S-R38E)



Site prior, facing west

10/17/2011



Collecting sample, facing south 3/27/2012



Exporting soil, facing north

3/27/2012



Installing 30'x30' liner @ 6' bgs, facing west
3/28/2012



Importing soil, facing south

4/2/2012



Site complete, facing west

4/18/2012



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

March 29, 2012

ZACH CONDER

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: BD C-32 VENT

Enclosed are the results of analyses for samples received by the laboratory on 03/27/12 16:55.

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.

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
 ZACH CONDER
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received:	03/27/2012	Sampling Date:	03/27/2012
Reported:	03/29/2012	Sampling Type:	Soil
Project Name:	BD C-32 VENT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 5 PT. BTM COMP (H200730-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	03/28/2012	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	03/28/2012	ND	193	96.3	200	3.15		
DRO >C10-C28	934	100	03/28/2012	ND	181	90.4	200	7.27		
Surrogate: 1-Chlorooctane	103 %	55.5-154								
Surrogate: 1-Chlorooctadecane	109 %	57.6-158								

Sample ID: 4 WALL COMP (H200730-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	03/28/2012	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	03/28/2012	ND	193	96.3	200	3.15		
DRO >C10-C28	1060	100	03/28/2012	ND	181	90.4	200	7.27		
Surrogate: 1-Chlorooctane	108 %	55.5-154								
Surrogate: 1-Chlorooctadecane	141 %	57.6-158								

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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/27/2012	Sampling Date:	03/27/2012
Reported:	03/29/2012	Sampling Type:	Soil
Project Name:	BD C-32 VENT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 8 PT BTM COMP (H200730-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1790	16.0	03/28/2012	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	03/28/2012	ND	193	96.3	200	3.15		
DRO >C10-C28	2190	100	03/28/2012	ND	181	90.4	200	7.27		

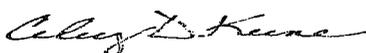
Surrogate: 1-Chlorooctane	100 %	55.5-154
Surrogate: 1-Chlorooctadecane	117 %	57.6-158

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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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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: <i>Rice Operating</i>				BILL TO				ANALYSIS REQUEST													
Project Manager: <i>Zach Conder</i>				P.O. #:				<div style="font-size: 2em; font-weight: bold; margin-bottom: 10px;">CL</div> <div style="font-size: 1.5em; font-weight: bold;">7/18/15</div>													
Address: <i>1323 W. Taylor</i>				Company:																	
City: <i>Hobbs</i>		State: <i>N.M.</i>		Zip: <i>88240</i>		Attn:															
Phone #:		Fax #:		Address:																	
Project #:		Project Owner:		City:																	
Project Name:				State: Zip:																	
Project Location: <i>BO C-32 Vent</i>				Phone #:																	
Sampler Name: <i>OSCAR FRAYRE</i>				Fax #:																	
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								
		<i>H20073D</i>																			
		<i>-1</i>	<i>5pt Bottom Comp</i>	<i>C</i>			<i>X</i>					<i>3-27-12</i>	<i>3:30</i>	<i>X</i>	<i>X</i>						
		<i>8</i>	<i>4 W All Comp</i>	<i>C</i>			<i>X</i>					<i>3-27-12</i>	<i>3:40</i>	<i>X</i>	<i>X</i>						
		<i>3</i>	<i>8pt Bottom Comp</i>	<i>L</i>			<i>X</i>					<i>3-27-12</i>	<i>3:50</i>	<i>X</i>	<i>X</i>						

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: <i>[Signature]</i>	Date: <i>3-27-12</i>	Received By: <i>Yodi Benson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Time: <i>4:55</i>	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Date:	Time:	REMARKS: <i>Hack, Zach, Buer, Katie, Laura, Oscar, Email Every One Please!</i>	
Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <i>[Signature]</i>			

† 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 :HAL-248-100-1	EXPIRATION DATE: 07-01-15
METER READING ACCURACY:100.00	

ACCURACY : +/- 2%

COMPANY
RICE OPERATING

SITE	UNIT	SECTION	TOWN SHIP	RANGE
BD C-32 VENT	C	32	T22S	R38E

SAMPLE ID	PID	SAMPLE ID	PID
5 pt Bottom Comp.	8.7		
4 well Comp.	6.7		
8 pt Blended Comp.	23.9		

COPY

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

SIGNATURE: 

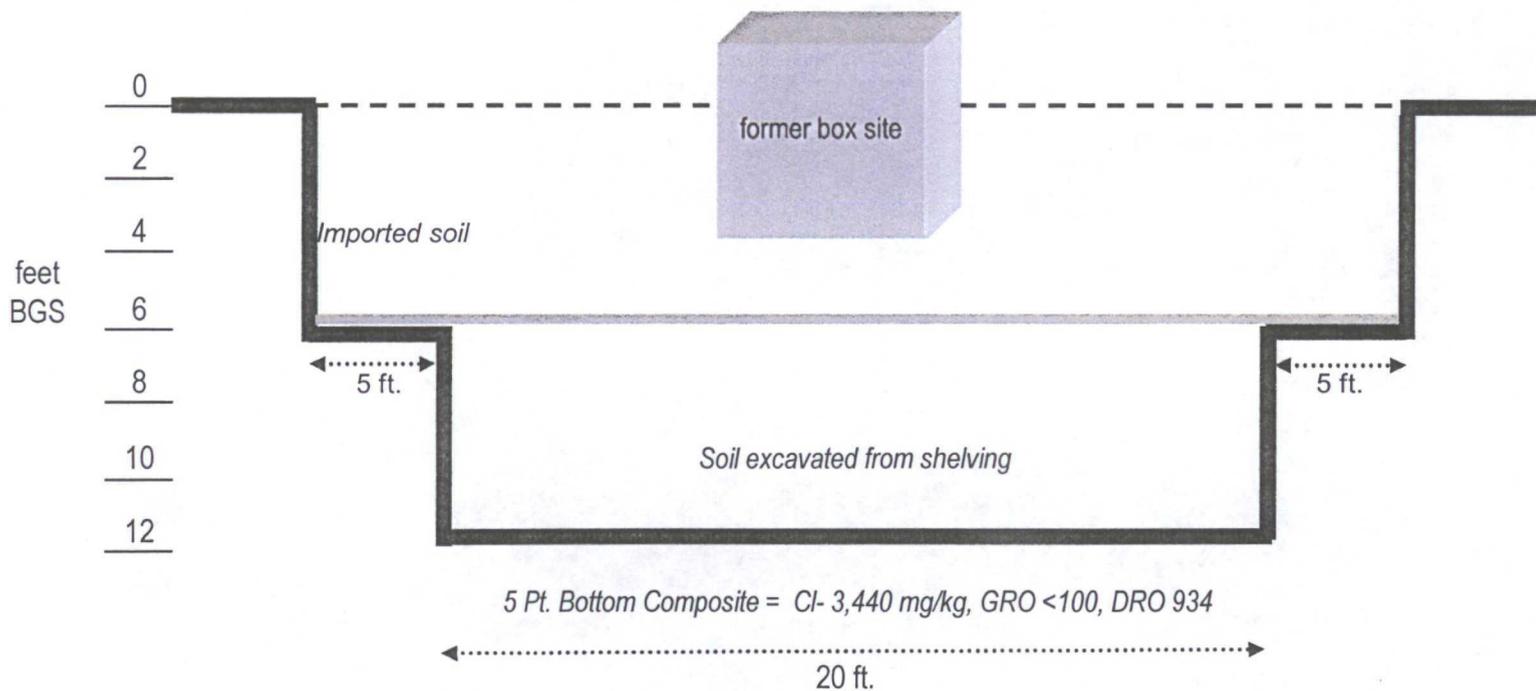
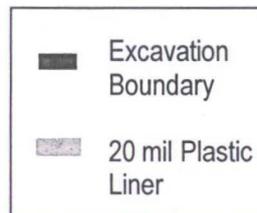
DATE: 3-27-2012

BD C-32 vent
Unit 'C', Sec. 32, T22S, R38E

Excavation Cross-Section

N

S

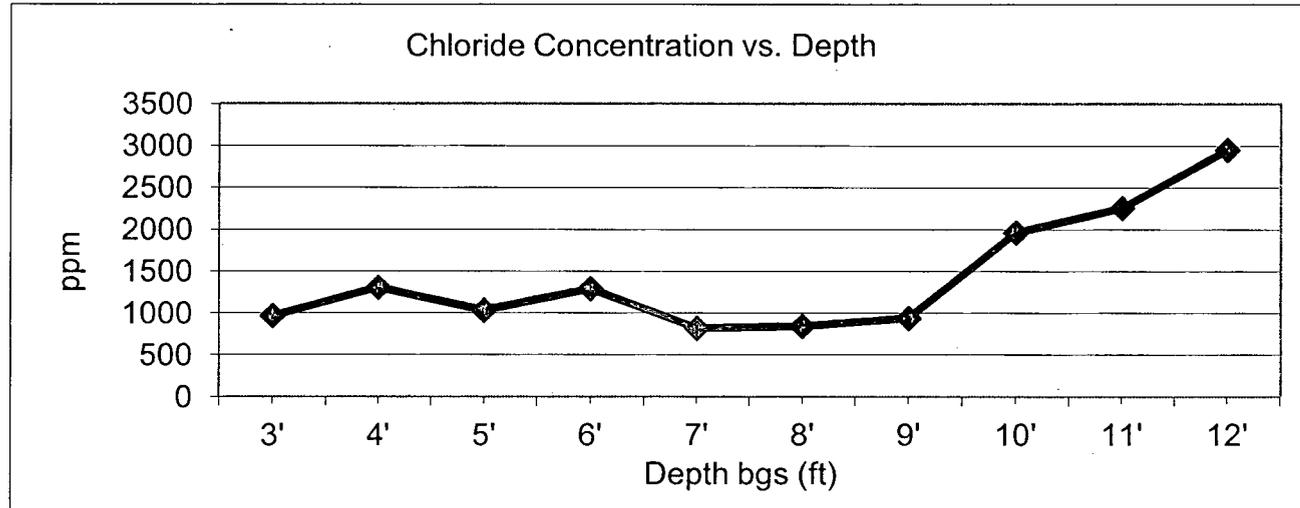


BD C-32 vent

Unit 'C', Sec. 32, T22S, R38E

Backhoe samples at the junction (source)

Depth bgs (ft)	[Cl] ppm
3'	965
4'	1306
5'	1031
6'	1290
7'	818
8'	840
9'	938
10'	1962
11'	2257
12'	2955



Groundwater = 114 ft



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

VEGETATION FORM

I. General Information

Site name: BD C-32 vent						
U/L C	Section 32	Township 22S	Range 38E	County Lea	Latitude 32° 21' 04.9" N	Longitude 103° 04' 52.8"
Contact Name: Zach Conder						
Email: zconder@rice-ecs.com						
Site size: 6600 square feet						

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	Depth (in)	
Texture:	Sandy		Describe soil & subsoil: Blow sand and subsoil caliche		
Soil prep methods:	<input type="checkbox"/> Rip	Depth (in)	<input type="checkbox"/> Disc	Depth (in)	<input type="checkbox"/> Rollerpack
Date completed:	4/2/2012				

3. Bioremediation

Fertilizer	Hay	Other
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	Seed Mix Name:	5 lbs. of blue grama, 5 lbs. of side oats	Date:	4/18/2012
Broadcast	<input checked="" type="checkbox"/>	Method:	Portable Seeder		
Soil conditions during seed:	<input type="checkbox"/> Dry	<input checked="" type="checkbox"/> Damp	<input type="checkbox"/> Wet		
Observations:					

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: 4/18/2012
Signature:	Not Available	

COPY