

1R - 426-318

**REPORTS**

**DATE:**

3-4-13

1R426-318

RECEIVED

APR 2 2013

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

BD J-36 vent  
2012

DISCLOSURE

# RECEIVED

## RICE OPERATING COMPANY JUNCTION BOX DISCLOSURE\* REPORT

APR 2 2013

Oil Conservation Division

1220 S. St. Francis Drive

BOX LOCATION							BOX DIMENSIONS, FEET		
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	Length	Width	Depth
Blinebry-Drinkard (BD)	J-36 vent	J	36	22S	37E	Lea	5'	5'	3'
							Eliminated		

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

Depth to Groundwater 40 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 10/11/2011 Date Completed 5/10/2012 OCD Witness no

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

Soil Disposed 264 cubic yards Offsite Facility Sundance Services Location Eunice, NM

FIELD SOURCE RESULTS: Sample Date 5/8/2012 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.	1.3	10.1	213	3,600
BOTTOM COMP.	1.1	10.9	194	4,400
BLENDED BACKFILL	1.1	13.5	541	3,240

### CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4 wall comp.	n/a	1,334
bottom comp.	12'	2,195
backfill comp.	n/a	1,980
background	6"	53
vertical delineation trench at junction (source)	2'	1,508
	3'	1,086
	4'	1,132
	5'	903
	6'	649
	7'	2,283
	8'	4,321
	9'	3,376
	10'	4,987
	11'	4,741
	12'	3,162

**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 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 264 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 5/8/2012, 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 5/11/2012, 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.

Additional evaluation is **HIGH** 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.

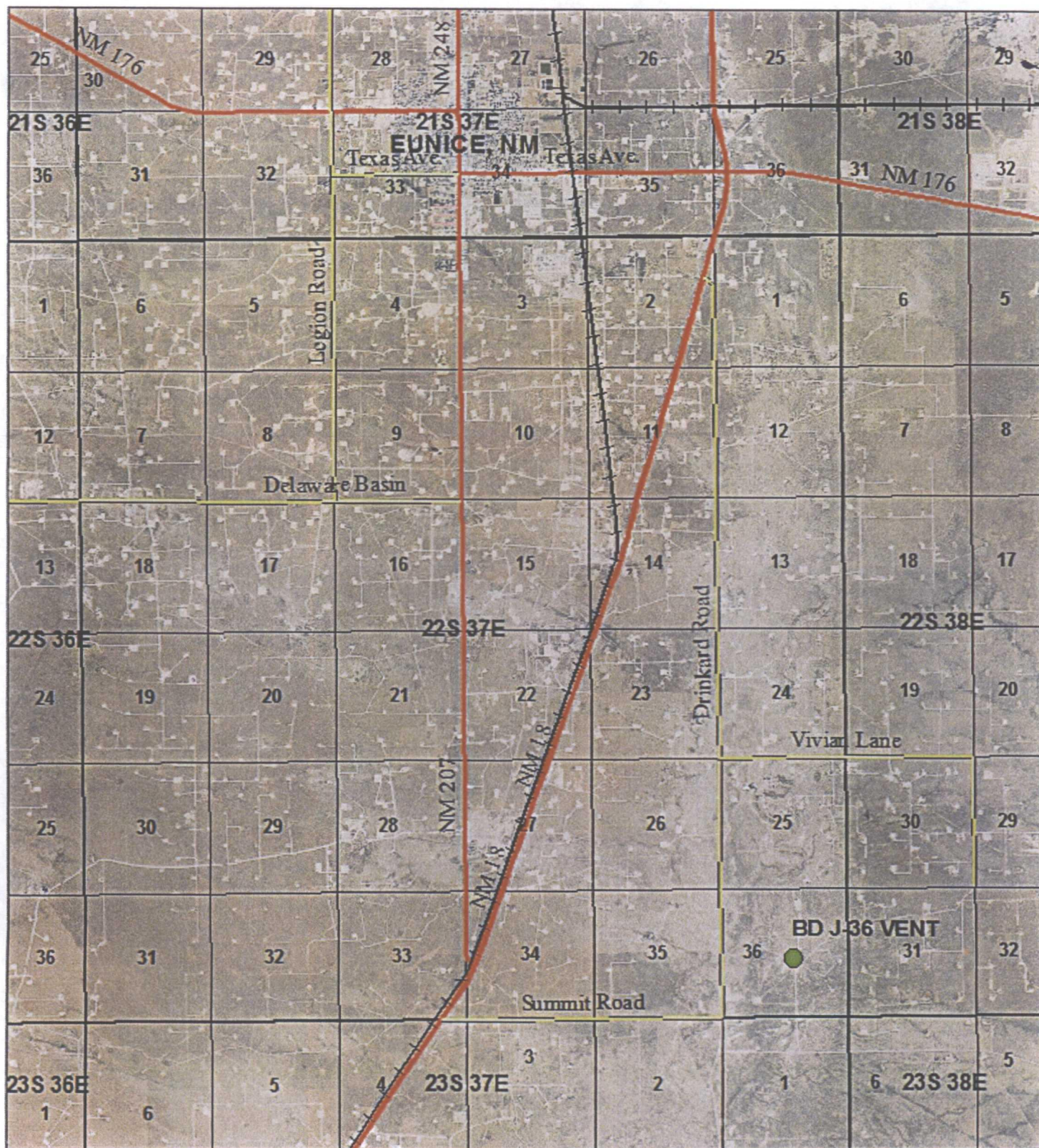
REPORT ASSEMBLED BY Laura Peña SIGNATURE *Laura Peña* COMPANY Rice Operating

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

PROJECT LEADER Zach Conder SIGNATURE *Z. Conder* DATE 3-4-13

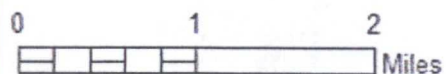
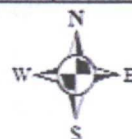
\*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.





## BD J-36 VENT

UL/J SECTION 36  
T-22-S R-37-E  
LEA COUNTY, NM



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



# BD J-36 Vent

UL/J Sec.36 (T22S-R37E)



Site prior, facing south

10/11/2011



Excavating site, facing west

5/3/2012



Exporting soil, facing west

5/7/2012



Collecting sample, facing northeast

5/8/2012



Installing 30x30' 20 mil liner @ 6' bgs,  
facing south

5/8/2012



Importing soil, facing south

5/8/2012



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

May 10, 2012

ZACH CONDER

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: BD J-36 VENT (22/37)

Enclosed are the results of analyses for samples received by the laboratory on 05/08/12 11:32.

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 black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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: 05/08/2012  
 Reported: 05/10/2012  
 Project Name: BD J-36 VENT (22/37)  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 05/08/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: 5 PT BOTTOM (H201040-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	05/09/2012	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.9	10.0	05/10/2012	ND	189	94.3	200	2.57	
DRO >C10-C28	194	10.0	05/10/2012	ND	180	90.2	200	1.12	

Surrogate: 1-Chlorooctane 96.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 108 % 57.6-158

**Sample ID: 4 WALL (H201040-02)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	05/09/2012	ND	400	100	400	3.92	
TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.1	10.0	05/10/2012	ND	189	94.3	200	2.57	
DRO >C10-C28	213	10.0	05/10/2012	ND	180	90.2	200	1.12	

Surrogate: 1-Chlorooctane 95.1 % 55.5-154

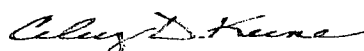
Surrogate: 1-Chlorooctadecane 111 % 57.6-158

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

**Analytical Results For:**

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

 Received: 05/08/2012  
 Reported: 05/10/2012  
 Project Name: BD J-36 VENT (22/37)  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 05/08/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: 8 PT BLENDED BACKFILL (H201040-03)**

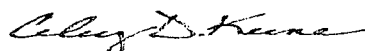
Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3240</b>	16.0	05/09/2012	ND	400	100	400	3.92	
TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>13.5</b>	10.0	05/10/2012	ND	189	94.3	200	2.57	
<b>DRO &gt;C10-C28</b>	<b>541</b>	10.0	05/10/2012	ND	180	90.2	200	1.12	
Surrogate: 1-Chlorooctane	100 %	55.5-154							
Surrogate: 1-Chlorooctadecane	115 %	57.6-158							

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



**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

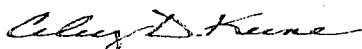
COPY

---

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

## 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: <u>2nd Condor</u>				P.O. #:															
Address: <u>13236 Taylor</u>				Company:															
City: <u>Hobbs</u>		State: <u>NM</u>		Zip: <u>88240</u>		Attn:													
Phone #:		Fax #:		Address:		City:													
Project #:		Project Owner:		State:		Zip:													
Project Name:		Project Location: <u>BD 5-36 Vent 2237</u>		Phone #:		Fax #:													
Sampler Name: <u>Osborne Foreman</u>																			
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					
<u>A201090</u>		<u>3pt Bottom</u>		<u>C</u>						<u>1</u>		<u>5-8-12</u>		<u>10:00</u>					
<u>24 Wind</u>				<u>C</u>				<u>1</u>		<u>1</u>		<u>5-8-12</u>		<u>10:05</u>					
<u>3 3pt Bleeded Breakfill</u>				<u>C</u>				<u>1</u>		<u>1</u>		<u>5-8-12</u>		<u>10:10</u>					

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 profit 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 other cause.

Relinquished By: <u>[Signature]</u>		Date: <u>5-8-12</u>		Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By: <u>[Signature]</u>		Time: <u>11:30</u>		Received By: <u>[Signature]</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool - Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <u>[Initials]</u>		REMARKS: <u>B. Baker, 2nd Condor, H. Condor, L. Weidman, K. Jones,</u> <u>Orange, Enroll &amp; [Signature]</u>			

# 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.	X	MODEL: PGM 7300	SERIAL NO: 590-902124
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 :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 5-36 Vent	5	36	225	37E

SAMPLE ID	PID	SAMPLE ID	PID
5pT Bottom Composite	1.1		
4 Wall Composite	1.3		
8p+Blended Backfill Cops	1.1		

COPY

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

SIGNATURE: \_\_\_\_\_

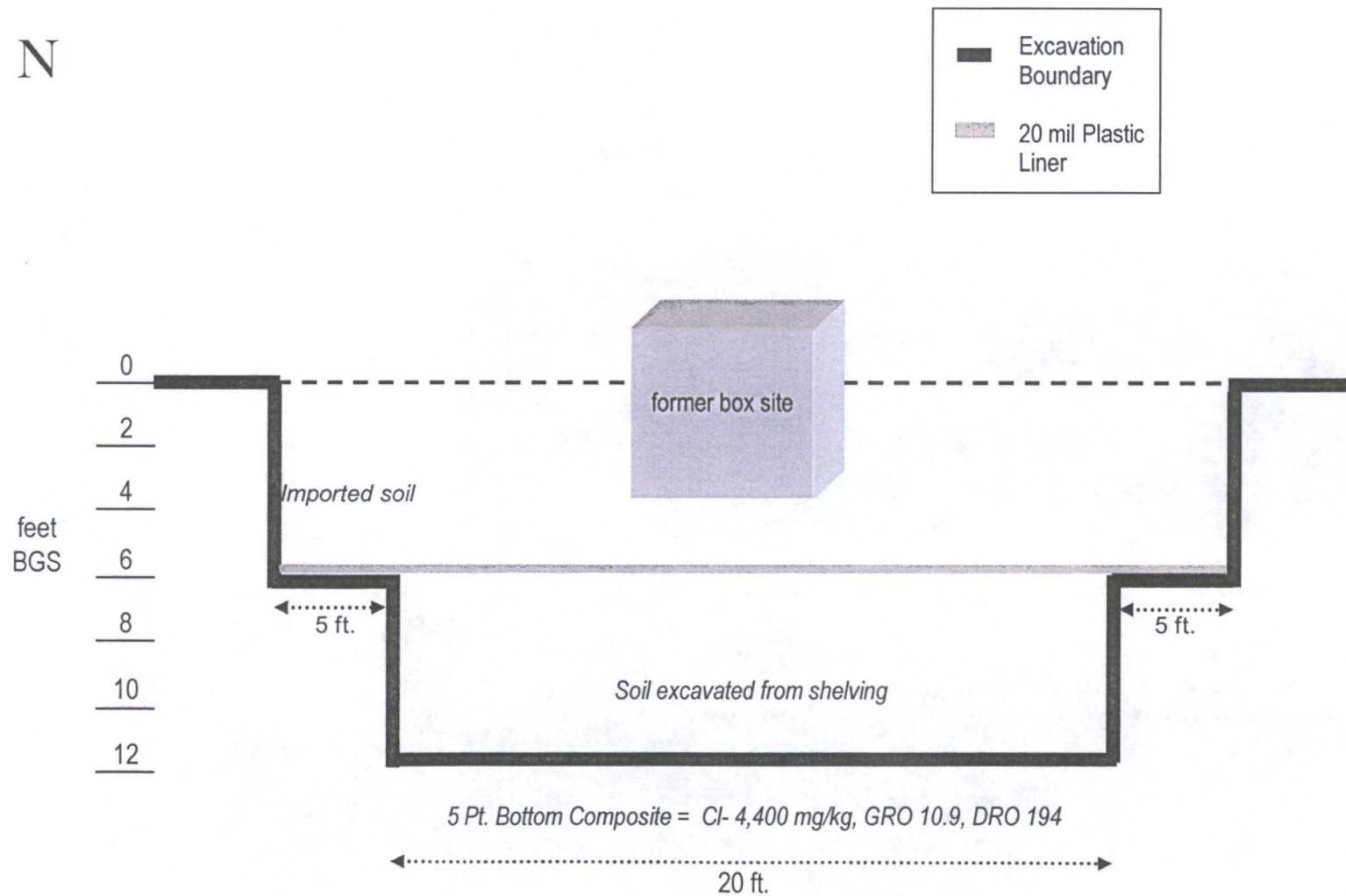
DATE: 5-8-12

BD J-36 vent  
Unit 'J', Sec. 36, T22S, R37E

## Excavation Cross-Section

N

S



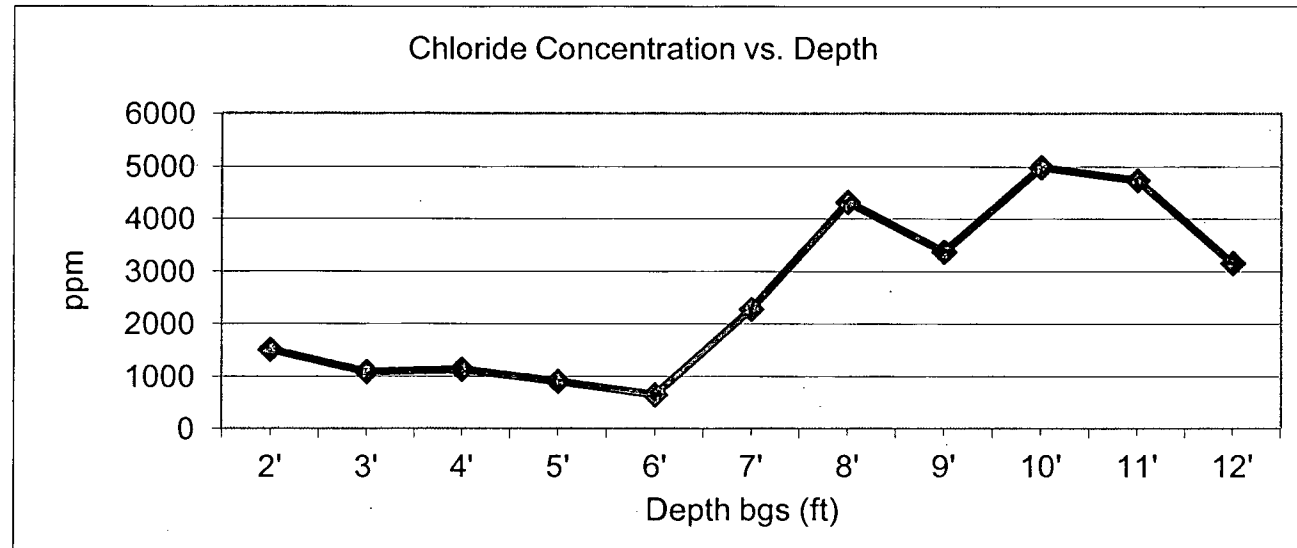


**BD J-36 vent**

Unit 'J', Sec.36, T22S, R37E

*Backhoe samples at the junction (source)*

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
2'	1508
3'	1086
4'	1132
5'	903
6'	649
7'	2283
8'	4321
9'	3376
10'	4987
11'	4741
12'	3162



Groundwater = 40 ft



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

## VEGETATION FORM

### 1. General Information

Site name: BD J-36 vent						
U/L J	Section 36	Township 22S	Range 37E	County Lea	Latitude 32° 20.540' N	Longitude 103° 06.570' W
Contact Name: Bruce Baker						
Email: bbaker@rice-ecs.com						
Site size: 900		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 checked="" type="checkbox"/>	Depth (in):	
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: 5/10/12					

### 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: 8 lbs. Lea County Mix	Seeding date: 5/11/2012
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 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: 5/11/2012
Signature: Not Available		

COPY