

1R - 426-321

REPORTS

DATE:

3-4-13

1R426-321

RECEIVED

APR 2 2013

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

BD O-32 vent
2012

DISCLOSURE

RECEIVED

APR 2 2013

RICE OPERATING COMPANY JUNCTION BOX DISCLOSURE* REPORT

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)	O-32 vent	O	32	22S	38E	Lea	6'	6'	5'
							Eliminated		

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

Depth to Groundwater 154 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 7/20/2011 Date Completed 3/5/2012 OCD Witness no

Soil Excavated 400 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed 236 cubic yards Offsite Facility Sundance Services Location Eunice, NM

FIELD SOURCE RESULTS: Sample Date 9/30/2011 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.	43.9	<50	<50	1,090
BOTTOM COMP.	0.5	<50	<50	224
BLENDED BACKFILL	1.6	<50	<50	672

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4 wall comp.	n/a	1,255
bottom comp.	12'	207
backfill comp.	n/a	471
background	6"	114
vertical delineation trench at junction (source)	6'	4,706
	7'	958
	8'	1,030
	9'	3,895
	10'	5,227
	11'	3,160
	12'	2,759

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 30x30x12 ft deep excavation. Chloride field tests performed on soil samples did not decrease with depth. Organic vapors were measured using a PID which yielded slightly 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 236 yards of blended backfill was transported to a NMOCD approved disposal facility. The excavation was backfilled to 6 ft. below ground surface (BGS). On 2/29/12, a 35x30 ft. 20-mil reinforced liner was installed at 6 ft. BGS and the remainder of the excavation was backfilled with clean imported soil to ground surface and contoured to the surrounding area. On 8/21/12, 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 2/20/2013.

Additional evaluation is **LOW** priority.

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

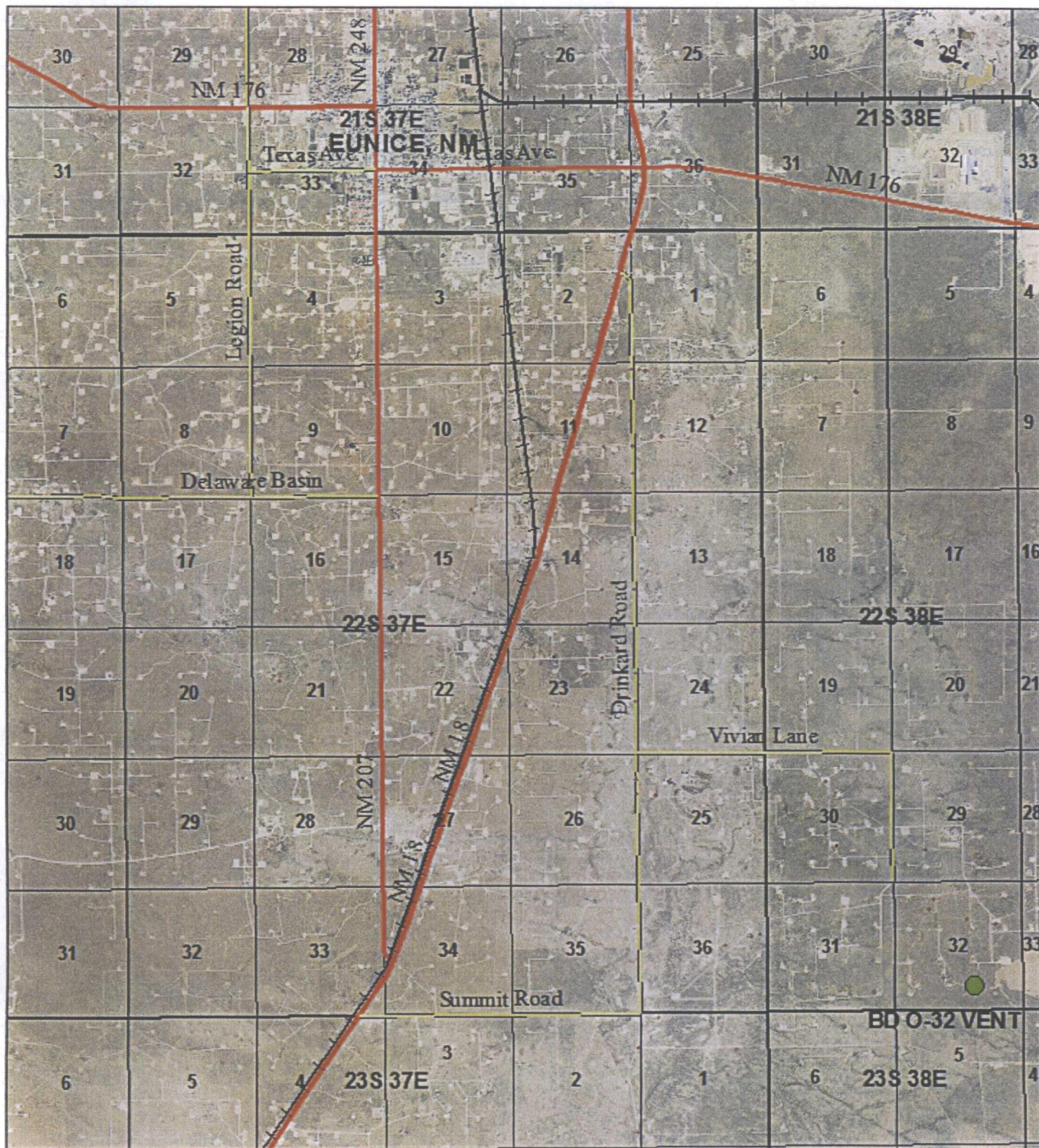
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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

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

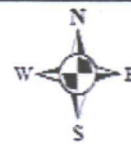
PROJECT LEADER Zach Conder SIGNATURE *Zach Conder* DATE 3-4-13

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



BD O-32 VENT

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



0 1 2
Miles

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

BD O-32 Vent

UL/O Sec.32 (T22S-R38E)



Site prior, facing west

7/20/2011



Excavating site, facing northwest 7/20/2011



Collecting sample, facing southwest

7/20/2011



Installing liner, facing east

2/29/2012



Backfilling site, facing south

3/1/2012



Seeding site, facing east

8/21/2012

October 07, 2011

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

RE: BD O-32 JCT(22/38)

Enclosed are the results of analyses for samples received by the laboratory on 09/30/11 16:10.

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.

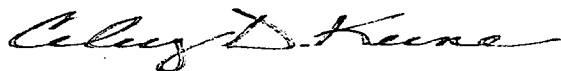
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 09/30/2011
 Reported: 10/07/2011
 Project Name: BD O-32 JCT(22/38)
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/30/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 5 PT. BOTTOM COMP (H102111-01)

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/03/2011	ND	448	112	400	7.41	
TPH 8015M		mg/kg	Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	10/04/2011	ND	154	76.8	200	1.36	
DRO >C10-C28	<50.0	50.0	10/04/2011	ND	206	103	200	4.35	
Surrogate: 1-Chlorooctane	97.7 %	55.5-154							
Surrogate: 1-Chlorooctadecane	103 %	57.6-158							

Sample ID: 4 WALL COMP (H102111-02)

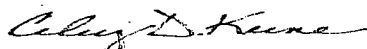
Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	10/03/2011	ND	448	112	400	7.41	
TPH 8015M		mg/kg	Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	10/04/2011	ND	154	76.8	200	1.36	
DRO >C10-C28	<50.0	50.0	10/04/2011	ND	206	103	200	4.35	
Surrogate: 1-Chlorooctane	105 %	55.5-154							
Surrogate: 1-Chlorooctadecane	109 %	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
 Hack Conder
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received:	09/30/2011	Sampling Date:	09/30/2011
Reported:	10/07/2011	Sampling Type:	Soil
Project Name:	BD O-32 JCT(22/38)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BLENDED BACKFILL COMP (H102111-03)

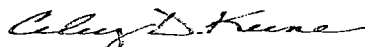
Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/03/2011	ND	448	112	400	7.41	
TPH 8015M		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	10/04/2011	ND	154	76.8	200	1.36	
DRO >C10-C28	<50.0	50.0	10/04/2011	ND	206	103	200	4.35	
Surrogate: 1-Chlorooctane	104 %	55.5-154							
Surrogate: 1-Chlorooctadecane	109 %	57.6-158							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

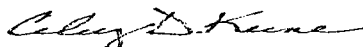
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on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

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Celey D. Keene, 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>Kice</u>		BILL TO		ANALYSIS REQUEST									
Project Manager: <u>Hack Conder</u>		P.O. #:											
Address: <u>1322 W. 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 0-32 SET 22 38</u>			Phone #:										
Sampler Name: <u>Paul Grainger</u>			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					
	H102111	1 Spt Bottom Comp	C		X		9-30-11	9:30	X	X			
		2 4 WALL Comp	C		X		9-30-11	9:45	X	X			
		3 Blended Backfill Comp	C		X		9-30-11	10:00	X	X			

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Relinquished By: <u>[Signature]</u>	Date: <u>9-30-11</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>4:10</u>	Received By: <u>[Signature]</u>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One)	Sample Condition	CHECKED BY: <u>[Signature]</u>	REMARKS: <u>210K, Hack, Barb, Laura, Katie, Oscar,</u>
Sampler - UPS - Bus - Other:	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<u>E-MAIL ALL</u>

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

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

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

LOT NO : HAL - 248-100-1	EXPIRATION DATE: 7-1-15
METER READING ACCURACY: 100 ppm	

COMPANY	
Rice Operating	

SAMPLE ID	PID	SAMPLE ID	PID
5 Point Composite	0.5		
4 Wall Composite	43.9		
Blended Backfill Composite	1.6		
			COPY

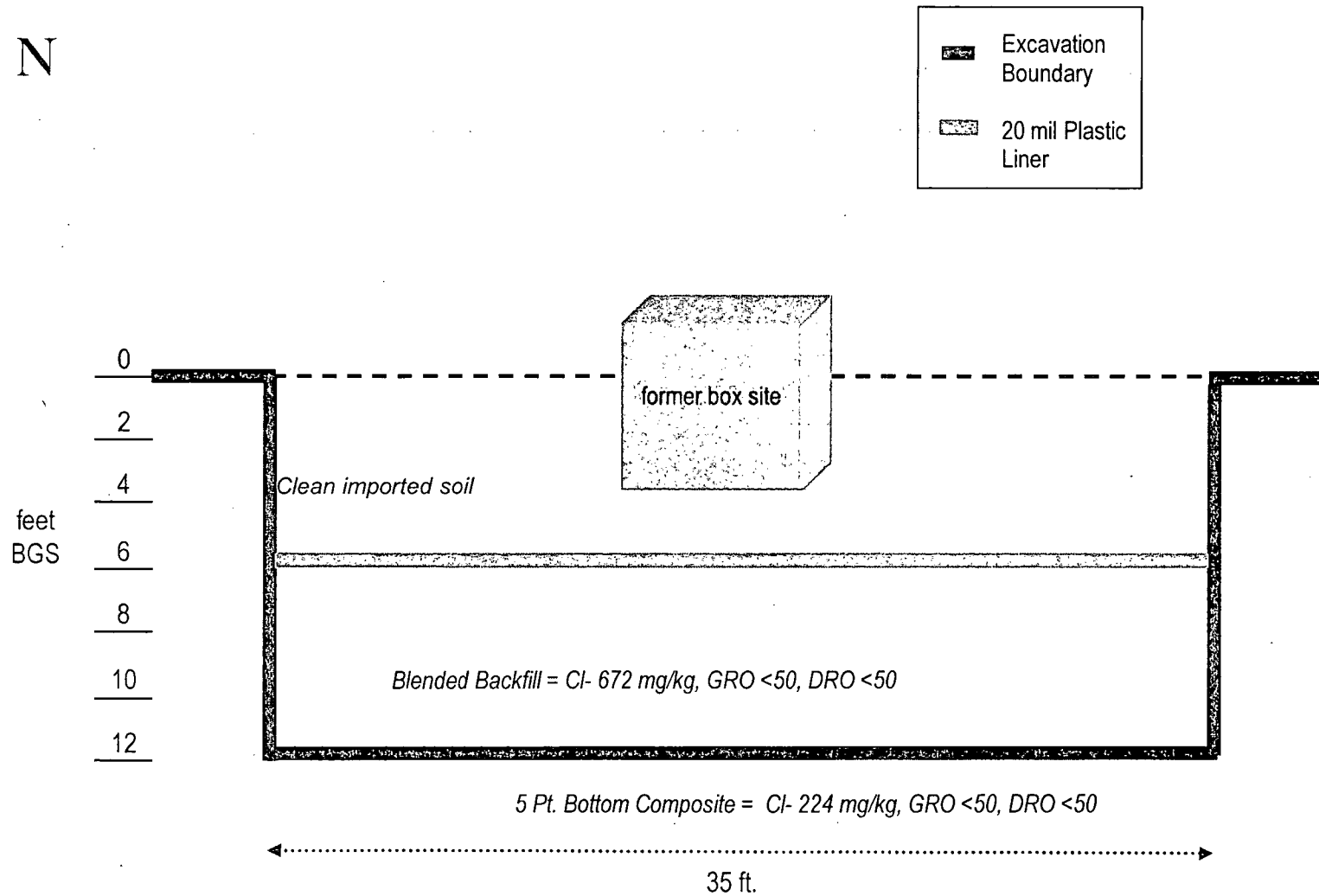
DATE: 9/30/2011

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

Excavation Cross-Section

N

S



CHLORIDE CONCENTRATION CURVE

RICE Operating Company

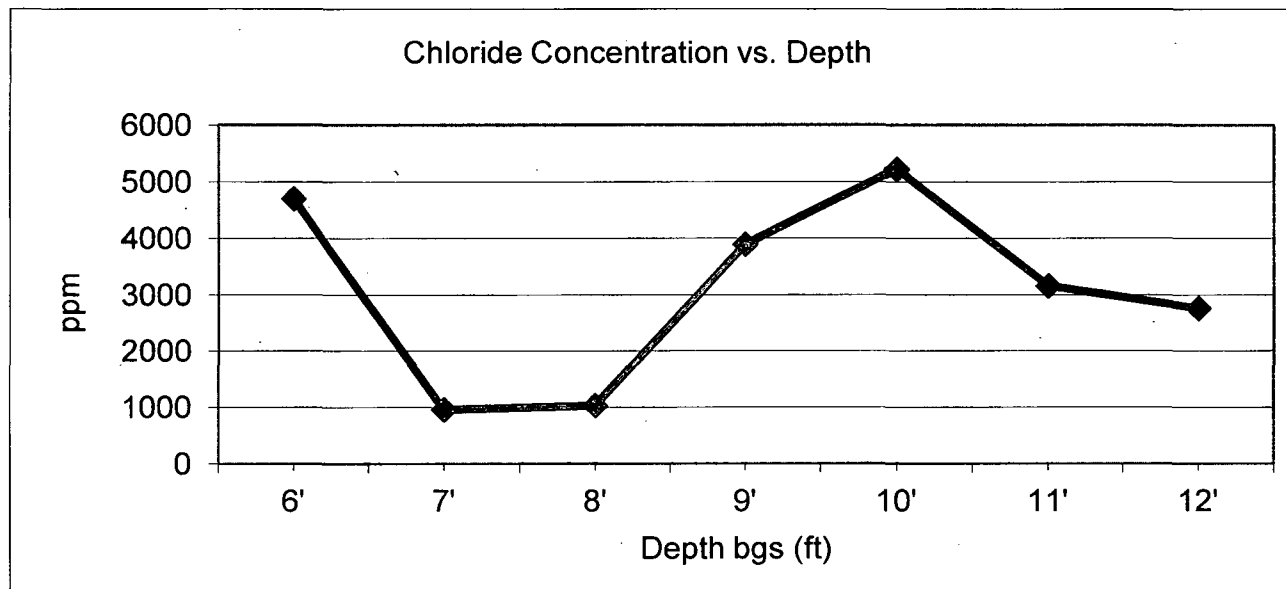
BD O-32 vent

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

Backhoe samples at the junction (source)

Depth bgs (ft)	[Cl] ppm
6'	4706
7'	958
8'	1030
9'	3895
10'	5227
11'	3160
12'	2759

Groundwater = 154 ft





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

REVEGETATION FORM

1. General Information

Site name: BD O-32 VENT						
U/L O	Section 32	Township T22S	Range R38E	County LEA	Latitude 32 20.618'	Longitude 103 4.830'
Contact Name: ZACHARY CONDER						
Email: zconder@rice-ecs.com						
Site size: 35'X 30'			Map detail of site attached <input checked="" type="checkbox"/>			
Square feet: 1,050						
Additional information:						

2. Soils

**Do not rip caliches 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 type="checkbox"/>	Depth (in):	
Texture:		Describe soil & subsoil:			
Soil prep methods:	Rip <input type="checkbox"/>	Depth(in):	Disc <input checked="" type="checkbox"/>	Depth (in):	Roller pack <input type="checkbox"/>
Date completed: 3-5-12					

3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input checked="" 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: 4 LBS. BLUE GRAMA, 4 LBS. SIDEOATS GRAMA
Seeding date: 8-21-12		
Broadcast <input checked="" type="checkbox"/>		
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:	SEED WAS RAKED INTO SOIL	

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:	Title: Environmental Tech	Date: 8-21-12
Signature:		