

1R - 426-303

**REPORTS**

**DATE:**

4-10-12

# DISCLOSURE

2011

BD Jct. K-32

2012 MAY -1 P 1:49

RECEIVED OCD

1R426-303

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

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length 7'	Width 5'	Depth 2'
Blinebry-Drinkard (BD)	Jct. K-32	K	32	22S	38E	Lea	Moved 143' East		

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 7/21/2011 Date Completed 11/10/2011 OCD Witness No

Soil Excavated 133.3 cubic yards Excavation Length 20 Width 15 Depth 12 feet

Soil Disposed 84 cubic yards Offsite Facility Sundance Services, Inc. Location Eunice, NM

**FINAL ANALYTICAL RESULTS:** Sample Date 9/1/2011 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.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.8	<10.0	51.2	2,440
BOTTOM COMP.	0.9	<10.0	22.2	560
BLENDED BACKFILL	0.9	<10.0	86.6	272

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH	mg/kg
4-wall comp.	N/A	852
bottom comp.	12'	556
blended backfill	N/A	343
background	6"	93
vertical delineation trench at 5' south of source	2'	419
	4'	895
	6'	1,389
	8'	606
	10'	1,714
	12'	1,847

**General Description of Remedial Action:** An investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 20x15x12-ft excavation. Chloride field tests performed on each sample yielded elevated concentrations. Organic vapors were measured using a PID which yielded low concentrations. 84 cubic yards of excavated soil was hauled to a NMOCD approved facility. The remaining 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

excavation was backfilled with excavated soil to ground surface and contoured to the surrounding area. On 9/30/2011 and 11/10/11, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. A new water tight junction box was built 143-ft. east. NMOCD was notified of potential groundwater impact on 3/12/2012.

**ADDITIONAL EVALUATION IS LOW PRIORITY**

enclosures: photos, lab results, PID (field) screenings, 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 Robert Egans SIGNATURE signature not available

REPORT ASSEMBLED BY Laura Peña SIGNATURE Laura Peña

COMPANY RICE OPERATING COMPANY

PROJECT LEADER Zach Conder SIGNATURE Zach Conder

DATE 4-10-12

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

# BD Jct. K-32

Unit K, Section 32, T22S, R38E



Site prior to excavation, facing east 7/21/2011



Excavating, facing east 7/28/2011



Sampling, facing east 8/30/2011



Completed excavation and new watertight junction box, facing east 9/1/2011



Seeding site, facing north 9/30/2011



Reseeding site, facing east 11/10/2011

September 06, 2011

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

RE: BD JCT K-32

Enclosed are the results of analyses for samples received by the laboratory on 09/01/11 16:44.

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.

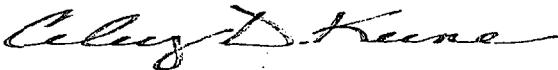
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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:	09/01/2011	Sampling Date:	09/01/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	BD JCT K-32	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: 5 PT BOTTOM COMP (H101870-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>560</b>	16.0	09/02/2011	ND	448	112	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	09/05/2011	ND	174	87.2	200	0.657		
<b>DRO &gt;C10-C28</b>	<b>22.2</b>	10.0	09/05/2011	ND	177	88.3	200	0.760		
<i>Surrogate: 1-Chlorooctane</i>	<i>110 %</i>	<i>55.5-154</i>								
<i>Surrogate: 1-Chlorooctadecane</i>	<i>110 %</i>	<i>57.6-158</i>								

**Sample ID: 4 WALL COMP (H101870-02)**

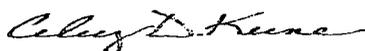
Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>2440</b>	16.0	09/02/2011	ND	448	112	400	3.64		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/05/2011	ND	174	87.2	200	0.657		
<b>DRO &gt;C10-C28</b>	<b>51.2</b>	10.0	09/05/2011	ND	177	88.3	200	0.760		
<i>Surrogate: 1-Chlorooctane</i>	<i>105 %</i>	<i>55.5-154</i>								
<i>Surrogate: 1-Chlorooctadecane</i>	<i>103 %</i>	<i>57.6-158</i>								

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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:	09/01/2011	Sampling Date:	09/01/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	BD JCT K-32	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: BLENDED BACKFILL (H101870-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	09/02/2011	ND	448	112	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	09/05/2011	ND	174	87.2	200	0.657		
DRO >C10-C28	86.6	10.0	09/05/2011	ND	177	88.3	200	0.760		

Surrogate: 1-Chlorooctane 108 % 55.5-154

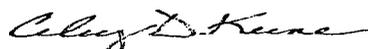
Surrogate: 1-Chlorooctadecane 110 % 57.6-158

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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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\*=Accredited Analyte

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*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager



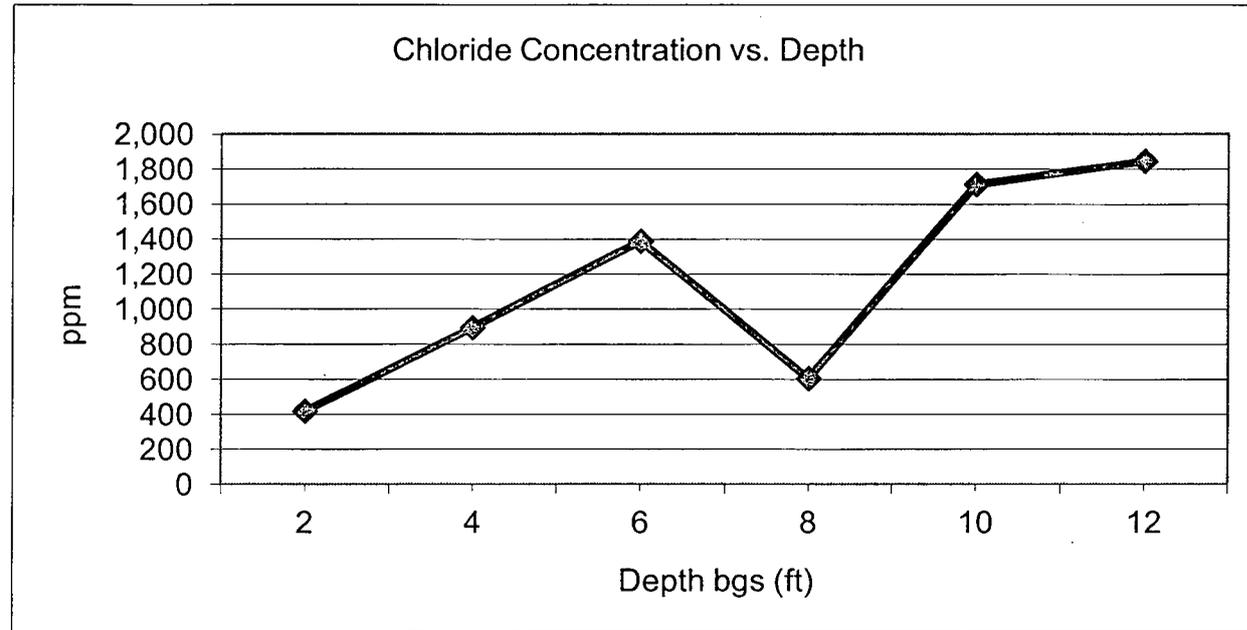


# BD Jct. K-32

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

Backhoe samples at 5 ft South of the junction (source)

Depth bgs (ft)	[Cl] ppm
2	419
4	895
6	1,389
8	606
10	1,714
12	1,847



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 K-32 JCT						
U/L K	Section 32	Township T22S	Range R38E	County Lea	Latitude 32° 20.694'	Longitude 103° 5.075
Contact Name: Bruce Baker						
Email: bbaker@rice-ecs.com						
Site size: 5,640			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 checked="" type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input 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: 9/19/2011				

### 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: 5 lbs. blue grama and side oats grass seed mix	Seeding date: 9/30/2011
Broadcast <input checked="" type="checkbox"/>			
Method: Broadcast spreader			
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: 9/30/2011
Signature:		

COPY



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

## REVEGETATION FORM

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Site name: BD K-32 JCT						
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Contact Name: Bruce Baker						
Email: bbaker@rice-ecs.com						
Site size: 5,640			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 checked="" type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input 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: 9/19/2011				

### 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: 6 lbs. Boyd Johnston Grass Seed	Seeding date: 11/10/2011
Broadcast <input checked="" type="checkbox"/>			
Method: Broadcast spreader			
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: 11/10/2011
Signature:		

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