1R-426-291

REPORTS

DATE:



18426-291

BD Jct. E-21

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.

2010



CLOSURE

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

			1	BOX LOCA	ATION					
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DI	MENSIONS	- FEET	
Blinebry-Drinkard		_	64	000	075		Length	Width	Dep	th
(BD)	Jct. E-21	E	21	225	37E	Lea		Eliminated		
LAND TYPE: E	3LM	STATE	FEE LAI	NDOWNER	Mills	ard Deck				
Depth to Groun	ndwater	64	feet	NMOCE	O SITE ASSI	ESSMENT	RANKING SO		10	
Date Started	4/14/	2009	Date Cor	npleted	8/17/2010		Witness	no		
Soil Excavated	66.7	cubic yar	ds Exc	avation L	ength <u>15</u>	Width	n10	Depth	12	feet
Soil Disposed	0	cubic yar	rds Off	fsite Facility	yN	A	_ Location			
IAL ANALYTI		SULTS:	Samp	le Date	7/29/201	0	Sample Dep	pth	12 ft	

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
BOTTOM COMP.	3.2	<10.0	49.1	240
BLENDED BACKFILL	5.5	<10.0	26.9	128
4-WALL COMP.	3.8	<10.0	430	304

General Description of Remedial Acti	on: This junction was eliminated during
the pipeline replacement/upgrade program.	After the former junction box was removed,
an investigation was conducted using a back	hoe to collect samples at regular intervals
producing a 15X10X12-ft. deep excavation.	Chloride field test performed on each
	· · ·

sample yielded relatively low concentrations. Organic vapors were measured using a

CHLOR	IDE FIELD IES	515
LOCATION	DEPTH	mg/kg
Bottom Comp.	12'	450
Blended Backfill	NA	360
4 Wall Comp.	NA	295
	2'	109
vertical delineation	4'	116
trench at 5' east of	6'	312
the former junction	8'	219
(Source)	10'	275
	12'	249

PID, which yielded low concentrations. The excavated soil was blended on site and representative samples were collected from the

blended backfill, the bottom of the excavation, and excavation walls. The representative samples were sent to a commercial

laboratory for analysis of chloride and TPH, which confirmed low concentrations of each. The blended backfill was returned to the

excavation to ground surface and contoured to the surrounding area. On 9/16/2010, the site was seeded with a blend of native

vegetation and is expected to return to a productive capacity at a normal rate.

enclosures: photos, lab results, PID (field) screenings, chloride graph

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

SITE SUPERVISOR	Joe Gatts	SIGNATURE	•.•	not available	COMPANY_	RICE OPERATING COMPANY
REPORT ASSEMBLED BY	Larry Bruce Baker Jr.	INITIAL	LBB			
PROJECT LEADER	Larry Bruce Baker Jr.	SIGNATURE	Hany !	Brune Bacher p	<u>1.</u> DATE_	2-28-11

BD Jct E-21



Site Prior to Excavation

3/04/2008



Backfilling excavation

Unit E, Section 22, T22S, R37E



Delineation trench being excavated

7/23/2010



8/17/2010





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

Analytical Results For:

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

Received:	07/30/2010	Sampling Date:	07/29/2010
Reported:	08/06/2010	Sampling Type:	Soil
Project Name:	BD JCT E-21 22/37	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	BD JCT E-21 22/37		

Sample ID: 5 PT. BOTTOM @ 12' BGS (H020478-01)

Chloride, SM4500Ci-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240 16.0		08/03/2010 ND		448	112	400	0.00	
TPH 8015M	mg,	/kg	Anaiyze	d By: CK					QM-05
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/04/2010	ND	185	92.4	200	4.17	
DRO >C10-C28	49.1	10.0	08/04/2010	ND	188	93.8	200	3.81	
Surrogate: 1-Chlorooctane	71.1	% 70-130							
Surrogate: 1-Chlorooctadecane	87.9	% 70-130	I						

Sample ID: 4 WALL COMP (15X10) (H020478-02)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/03/2010	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/04/2010	ND	185	92.4	200	4.17	
DRO >C10-C28	430	10.0	08/04/2010	ND	188	93.8	200	3.81	
Surrogate: 1-Chlorooctane	77.5 %	70-130							
Surrogate: 1-Chlorooctadecane	102 %	% 70-130	,		(C		\mathbb{R}		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Demages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or toxt, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whitsbeaver shall be deemed waived unless made in writing and received by client limit. It is ubidiaries, affiliates or successors after completion of the applicable service. In no event shall cardinal be liable tor incidental or consequential damages, including, without limitation, besiness interruptions, loss of use, or loss of profils incurred by dient, its subidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such dam is based upon any of the above stated reasons or otherwise.

Celey Jene

Celey D. Keene, Lab Director/Quality Manager





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

Analytical Results For:

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

Received:	07/30/2010	Sampling Date:	07/29/2010
Reported:	08/06/2010	Sampling Type:	Soil
Project Name:	BD JCT E-21 22/37	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	BD JCT E-21 22/37		

Sample ID: BLENDED BACKFILL (H020478-03)

Chloride, SM4500Cl-B	mg	/kg	Anałyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Chloride	128 16.0		08/03/2010 ND		448	112	400	. 0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/04/2010	ND	185	92.4	200	4.17	
DRO >C10-C28	26.9	10.0	08/04/2010	ND	188	93.8	200	3.81	
Surrogate: 1-Chiorooctane	77.6	% 70-130)						
Surrogate: 1-Chloroociadecane 90.7 % 70-130)							



Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

ODY AND ANALYSIS REQUEST	ANALYSIS REQUEST																			1 No Add1 Phone #: 1 No Add1 Fax #: 	KESULTS 10: We COM		7. «		
CHAIN-OF-CUSTC Abilene, TX 79603 \X (325)573-7020	BILLTO	P.O. #:	Company:	Attn:	Address:	Clty:	State: Zlp:	Phone #;	Fax #:	PRESERV SAMPLING	· ·	H C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	X 7/29/10 9.70 X X	X 7/29/10 7.40 X V	× 7/29/2 9:45 × ×			ar the tend are then the structure and the structure and the structure of the structure of the structure of the structure and the structure of	use or use, or locat or promet metured by client, its aubaidiantas. A based uppm any of the above stated reasons or otherwise.	Phone Result: D Yes D Fax Result: D Yes D REMARKS: J	K Jons D. Kicks	MON Bhaker !!	on CHECKED BY: K Egang (1	MY Jaatts	s05-393- 2 476
ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 2111 Beechwood, (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FA	Company Name: Kiec Operative Company	Project Manager: Erice C Barter	Address: 122 W. Tay lor	Clly: $F50 bbs$ State: N^{M} Zlp: S^{240}	Phone #: 575 - 393-9174 Fax #: 575-397-14171	Project #: Project Owner:	Project Name:	Rect Location: BO Jet E-21 2537	mpler Name: J. Catts	FOR UR USE ONLY	ER TER COM	Lab I.D. Sample I.D.	H20478. 5pt Bottom @ 12635 6 1 2 x	2 4 WALL COMP (15 x 10) (C X	3 Planded Backfill Ull X			PLEAGE NOTE: Linkbilly and Demages. Conducts liability and elerits sectisive remiedy for any cluster sheard success of acceleration or indicated and a signation of the section of the conduct. Indicate: All stelling including these for regiligance and any other cause whencever shell be demand walked when and in welling and earware. In no system signation of the formed and or consequential demands. Including without further hand new linking and earware. In no system signation of the formed and or consequential demands. Including without furthers hand new linking and	affiliates or accessorie a labing out of or related to the performance of soviets here and of the performance and other and here and the performance of soviets and the performance of t	And There is a second of the s	Relingyshed By: Arg 30/10 Repeived By: 1	BESC ULL MO	Delivered By: (Circle One) Sample Condition		† Cardinal cannot accept verbal changes. Please fax written changes to t H///

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RICE OPERATING COMPANY

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

Check Model Number:

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Model: PGM 7300Serial No: 59Model: PGM 7300Serial No: 59Model: PGM 7300Serial No: 59

Serial No: 590-000183 Serial No: 590-000508 Serial No: 590-000504



Model: PGM 7600 Model: PGM 7600 Model: PGM 7230

Serial No: 110-023920 Serial No: 110-013744 Serial No: 592-903318

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOTNO: 928547	EXPIRATION DATE: 2/04/13
FILL DATE:	METER READING ACCURACY: 100.1

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	E=21	E	21	22	37

SAMPLE ID	PID	SAMPLE ID	PID
Bottom Comp G 12 bgs	3.2		
YWALLCOMP 15×10	3.8		
Blended Backfill	5.5		
		· · · · · · · · · · · · · · · · · · ·	

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

for fats SIGNATUE:

DATE: 7/29/10

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

BD Jct. E-21 Unit 'E', Sec. 21, T22S, R37E

Backhoe samples at 5 ft. east of the junction (source)

[CI] ppm	109	116	312	219	275	249
Depth bgs (ft)	2	4	9	8	10	12

Groundwater = 64 ft

