## 1R-426-206

## REPORTS

DATE

-20-09

BD Jct H-1

18426-206

RECEIVED

MAR 27 2000

Environmental Bures.
Oil Conservation Whistor

### DISCILOSURE

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

	C over over EM	LUNCTION	1 1507	I CECTION	BOX LOCA		COUN	TY   BOX D	IMENSIONS - FEE	=+ 1
	SWD SYSTEM Blinebry-Drinkard	JUNCTION	UNIT	SECTION				Length 5'		Depth 6'
	(BD)	Jct. H-1	Н	1	228	36E	Lea		eliminated	
	LAND TYPE:	BLM_X_	STATE	_ FEE L/	ANDOWNER			OTHER		
	Depth to Groun	ndwater	137	_feet	NMOCE	SITE ASS	ESSME	NT RANKING S	CORE:2	20
	Date Started	7/31	/2007	_ Date Co	ompleted	5/1/2008	oc	D Witness	no	
	Soil Excavated	400	cubic ye	ards Ex	cavation Le	ength 30	w	ridth 30	Depth 12	feet
	Soil Disposed	60	cubic ya	ards O	ffsite Facility	Sund	lance	Location	Eunice, N	IM
FIN	IAL ANALYT	ICAL RE	SULTS:	Samp	le Date _8/*	16/2007, 4/2	9/2008	Sample De	pth 12 ft,	120 ft
F	Procure 5-point co sidewalls. TPH a approved lab a	and Chloride	alaboratory	test results	completed I	by using an	f	CHLOR	IDE FIELD TES	STS
Г	Sample Location	PID (fie		SRO ng/kg	DRO mg/kg	Chlorides mg/kg	· ]	LOCATION	DEPTH	mg/kg
_	4-WALL COMP.	0.0		10.0	<10.0	3,020		4-wall comp.	n/a	2,152
	BOTTOM COMP.	0.0	<	10.0	<10.0	3,150		bottom comp.	12'	2,189
BI	ENDED BACKFI	LL 0.0		10.0	<10.0	3,490		blended backfill	n/a	3,268
SC	IL BORING 15' g	rab	\$ 4.00 S	4-3-5		6,720			15'	5,678
so	L BORING 120' g					640		i	20'	3,622
									25'	4,908
Ger	eral Description	of Remedi	al Action:	This junction	box was addre	essed during th	e j	,	30'	4,907
pipel	ine replacement/upgr	ade program.	After the for	ner junction b	ox was remove	d an investigat	ion	İ	35'	4,155
was	conducted using a ba	ckhoe to colle	ct soil sample	es at regular in	itervals product	ng a 30x30x12	!-ft		40'	4,169
deep	excavation. Chlorid	e field test per	formed on ea	ch sample yie	lded elevated c	oncentrations	hat	į	45'	3,343
did n	ot relent with depth.	Organic vapor	s were meas	ured using a F	ID which yielde	ed low concen-			50'	2,925
tratio	ns. Representative of	composite san	ples sent to	a commercial	laboratory for a	nalysis of chio	ide		55'	2,972
and '	TPH confirmed low co	oncentrations.	The excaval	ed soil was bl	ended on site a	nd returned to	the	SOIL BORING	60'	2,503
exice	vation up to 5 ft belov	v ground surfa	ce (BGS). A	5-ft deep shelf	was excavated	extending 5 f	out	at 5 ft south of	65'	2,058
from	each wall to prepare	the surface fo	r a clay barrie	r. At 5-4 ft BC	SS, a 1-ft-thick	clay barrier wa	5	the junction (source)	70'	1,354
insta	led. The remaining fi	I was used to	backfill the ex	cavation to gr	ound surface a	nd clean, Impo	rted	4/29/2008	75'	1,726
v iloa	vas used as a top car	and to conto	ur to the surro	unding area.	To further Inve	stigate depth o	<del></del>		80,	2,462
chlor	ide presence, five so	Il borings were	Initiated on 0	4/29/2008, 04	/30/2008, and (	05/01/2008. S	oil		85'	2,406
borin	g #1 (SB #1) was ad	vanced to a de	pth of 120 ft i	BGS, SB #2 a	nd SB #3 were	advanced to a		•	90'	1,772
depti	of 50 ft BGS, SB #4	was advance	d to a depth o	of 90 ft BGS, a	nd SB #5 was a	advanced to a			95'	1,345
dépti	of 40 ft BGS. Soil s	amples were	collected ever	y 5 ft and field	tested for chlo	rides. The			100'	1,391
deep	est sample and the h	ighest concen	tration from fi	eld tests from	each soil boring	were sent to	a		105'	1,989
comr	nercial laboratory for	analysis of chi	oride which y	rielded elevate	d concentration	ns that relent w	ith		110'	1,603
depti	to low concentration	is in SB #2 thr	ough SB #5 a	ind elevated c	oncentrations th	nroughout SB :	<b>#1</b> .		115'	1,117
Each	borehole was plugge	ed with benton	ite to the grou	ind surface. A	n identification	plate was plac	ed		120'	424
on th	e surface at the form	er Junction site	to mark the	oresence of th	e clay below. N	MOCD was	L			L
notific	ed of potential ground	iwater impact	on 01/06/200	9.		——————————————————————————————————————				
			ADI	DITIONAL E	VALUATION	VIS HIGH I	RIORIT	y		
**********								-section, lab results	s. PID field screeni	na, borina la
					·					
		CERTIFY T	II 3HT TAF		ON ABOVE I		D COM	PLETE TO THE	BEST OF MY	
А	REPORT ASSEMBLED BY Katle Jones INITIAL COMPANY RICE OPERATING COMPANY									
SHE					SIGNATURE	den	<del>y '</del>	our Bu	rue poi	
	DATE	1-20-	- 07		TITLE			PROJECT LEA	DER	







collecting a soil sample, facing east



backfilling site, facing south

8/23/2007

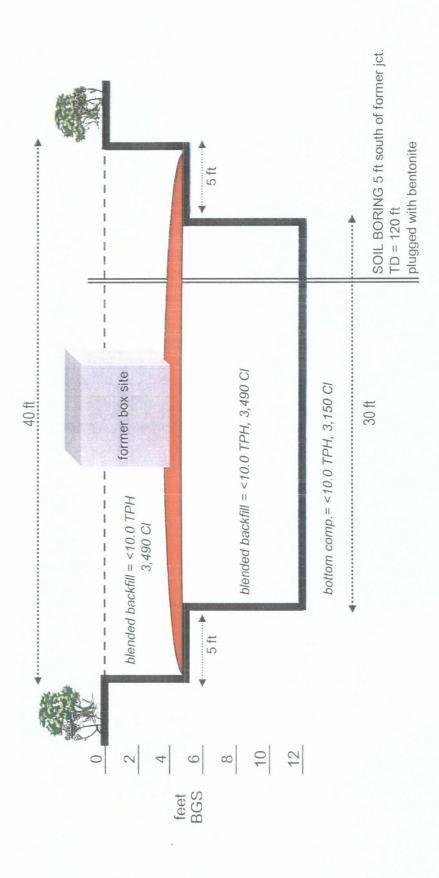
clay barrier installed

8/24/2007

# **Excavation Cross-Section**

Z









PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: ROY R. RASCON 122 W. TAYLOR HOBBS, NM 88240

FAX TO: (505) 397-1471

AUG 23 2007 RICE OPERATING HOBBS NM

Receiving Date: 08/16/07 Reporting Date: 08/20/07 Project Number: NOT GIVEN Project Name: BD JCT H-1 Project Location: BD JCT H-1



Sampling Date: 08/16/07 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC Analyzed By: BC/HM

		GRO	DRO	
		$(C_6-C_{10})$	(>C <sub>10</sub> -C <sub>28</sub> )	CI*
LAB NUMBER SAMPLE ID	•	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS [	DATE	08/17/07	08/17/07	08/17/07
H13119-1	воттом сомр.	<10.0	<10.0	3150
H13119-2	4 WALL COMP 30X30	<10.0	<10.0	3020
H13119-3	BLENDED BACKFILL	<10.0	<10.0	3490
Quality Cont	rol	786	784	500
True Value (	QC	800	800	500
% Recovery		98.3	98.0	100
Relative Per	cent Difference	5.0	0.3	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB \*Analyses performed on 1:4 w:v aqueous extracts.

Chemist (

Date

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

INC.	
RES,	
ABORATORIES,	
٠,	
JINAL L	
R. ARDIA	

*	
88240	3.17.6
obs, NM	151 393 '
and, Hol	A Fax / K
01 East Marl	5051 141,212
TX 79603	673-7020
Abillene,	Fay (325)
2111 Beachwood, Abliene, TX 79503 101 East Marland, Hobbs, MM 88240	(325) 673-7001 Fax (325) 673-7000 (505) 493-0308 Eax (605) 343-0476
2111	(32

The Darvis Con to 3 Parvis Con to 3 Parvis Con

( Cardinal cannot accapt yarbal changes, Plaase fax written changes to (325) 673-7020.

### RICE OPERATING COMPANY

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

MODEL: PGM 761S

MODEL: PGM 7600

**SERIAL NO: 104412** 

SERIAL NO: 110-013744

NO.	MODEL: PGM 7600	SERIAL NO: 110-12383
	MODEL: PGM 7600	SERIAL NO: 110-013676
	GAS COMPOSITION	: ISOBUTYLENE 100PPM / AIR: BALANCE
LOTNO: O6	-30 79	EXPIRATION DATE: 1276 7071
FILL DATE:	6/16/06	METER READING ACCURACY: 100 ppm
ACCURACY: +/- 29	<b>%</b>	•

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BO	H-1	H	j	225	36 <i>E</i>

SAMPLE ID			
SAMPLE ID	PID	SAMPLE ID	PID
5pt. Bottom Comp	0		
,			
4 Wall Comp.	0		
Blended BACKfill	0		

I verify that I have calibrated the above insrument in accordance to the namufacture operation manual.

SIGNATUE:

CK.

MODEL

Bruce Baker

DATE:

8-16-07

	Logger:	·L	ara Weinheimer & Tony Grieco	Client:		Well ID:
	Driller:		Harrison & Cooper Drilling	RICEOperating C	ompany	
Drilli	ng Method:		Air rotary	Project Name:		
Start Date:			4-29-08	BD jct. H-	1	
	End Date:		4-29-08	Location:		SB - 1
Comm	Comments:  Located 5 ft south of the former jct. box site			BD SWD Sys	stem	
	Localed	n sou	th of the former jet. box site	unit 'H' Sec.1 T22	S R36F	
	TD = 120 ft		GW = 137 ft	Lea County,		
Depth		THE PERSON NAMED IN	TO THE REPORT OF THE PARTY OF T			oil Bore
(feet)	field tests	PID	Description	Lithology	Con	struction
			10 - 15 ft			١
45	FC70	12	VERY FINE SAND			1
15 Lab	5678 6720	12	some rock, tan, dry			
Lab	0720					
20	3622	9	15 - 30 ft		45	
			VERY FINE SAND			
			some rock, light brown, dry			
25	4908					
					25.75	
30	4907				53.	
30	4807					
<b></b>						
35	4155				7.77	}
			30 - 55 ft			
40	4169		VERY FINE SAND			
			light brown, dry	a		
45	3343				# 12	
43	3043					
50	2925					
	0070					
55	2972					
			55 - 65 ft			i.
60	2503		VERY FINE SAND			
			some rock, light brown, dry			
						}
65	2058		65 - 70 ft			bentonite
	<del>                                     </del>		65 - 70 π VERY FINE SAND		17.7	
70	1354		reddish-brown, dry			
. •			70 - 75 ft	7		
			VERY FINE SAND			
75	1726		some rock, light reddish-brown, dry	_		
			75 - 80 ft			
00	0460		VERY FINE SAND			
80	2462		light reddish brown, dry 80 - 85 ft			
	<del> </del>		VERY FINE SAND			
85	2406		some sandstone, light reddish-brown, dry	,		
			and the second s	7		
					12/5	
90	1772					
			85 - 105 ft			
			VERY FINE SAND		1 1 2	
	ı L		VEKT FINE SAND	11 11	<u> </u>	

95	1345	reddish-brown, dry	- 1	
100	1391			
105	1989			
		105 - 110 ft		
		VERY FINE SAND		
110	1603	some sandstone, light reddish-brown, dry		
		110 - 115 ft		
		VERY FINE SAND		
115	1117	brown, dry		
		115 - 120 ft		
		VERY FINE SAND		
120	424	light brown, dry	1 Lan 1 / 4 / 4 / 1	
Lab	640			+



MAY 0.9 2008 RICE OPERATING HOBBS, NM

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: KRISTIN FARRIS-POPE 122 WEST TAYLOR HOBBS, NM 88240 FAX TO: (575) 397-1471

Receiving Date: 05/05/08 Reporting Date: 05/05/08 Project Number: NOT GIVEN Project Name: BD JCT. H-1

Project Location: BD JCT. H-1

Analysis Date: 05/05/08

Sampling Date: 04/29/08 04/39/08 & 05/04/08

Sample Type: SOIL

Sample Condition: COOL-& INTACT

Sample Received By: ML

Analyzed By: KS

		Cl
LAB NO.	SAMPLE ID	(mg/kg)
H14740-1	SB #1 @ 15'	6,720
H14740-2	SB #1 @ 120'	640
H14740-3	SB #2 @ 5'	2,840
H14740-4	SB #2 @ 50'	64
H14740-5	SB #3 @ 5'	6,880
H14740-6	SB #3 @ 50'	48
H14740-7	SB #4 @ 5'	7,280
H14740-8	SB #4 @ 90'	176
H14740-9	SB #5 @ 5'	2,200
H14740-10	SB #5 @ 40'	80
Quality Contro	ol	500
True Value Q	500	
% Recovery	100	
Relative Perc	ent Difference	2.0

METHOD: Standard Methods 4500-CIB Note: Analyses performed on 1:4 w:v aqueous extracts.

Bust Supulo

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

	0144-000 (000) VV 1 0404-000 (000)			(250)	1001-010	3		2	1 AA (323/013-1020			No.					***************************************		
company Name:	Rice Operating Company	hany							81.1.70		ottor .			AN	ANALYSIS	S REQUEST	JEST		
Project Manager: Kristin Pope	r: Kristin Pope						P.O.#:	#											
Address: 122	122 West Taylor						Сош	Company:										 	-
city: Hobbs		State: NM Z	Zip: 8824	38240			Attn:												. •
Phone #: 393-9174	9174	Fax #: 397-1471					Add	Address:						((					
Project #:		Project Owner:					City:				(			ک	$\overline{a}$			 	
Project Name:	BD jct. H-1						State:	 	Zip:		səį	<b>&gt;</b>		)				 	
Project Location: BD jct. H-1	ո։ BD jct. H-1						Phoi	Phone #:			rio	( <u>∃</u> .				_		 	
Sampler Name:	Sampler Name: Lara Weinheimer						Fax #	#			olr	TE			<u> </u>	<u>~</u>			
FOR LAB USE ONLY			$\vdash$	$oxed{\sqcup}$	Ψ	MATRIX		PRESERV		SAMPLING	Cl	]	<del>,</del>			7			
Lab I.D.	Sample I.D.		(G)RAB ОR (C)OMP.	GROUNDWATER	WASTEWATER SOIL	2FNDGE OIF	: язнто	ICE / COOF	: Разито В В В В В В В В В В В В В В В В В В В	TIME	transfer to the section of					7	1	·.	:
1-04740-1	SB #1 @ 15'	)	<del></del>	<del>                                     </del>	+	)		+-	4		>							1	
	SB #1 @ 120'		ر.	_	>			>	4/29/08	04:29	^						_		
7.3	SB #2 @ 5'		ط.		>			>	4/30/08	03:13	>								
-	SB #2 @ 50'		رد		>			>	4/30/08		>			<del> </del>					
<b>ή</b>	SB #3 @ 5'		ان.	_	>			>	5/1/08	8 09:20	^								
9-	SB #3 @ 50'	)	9	-	<b>&gt;</b>			>	5/1/08	8 09:35	>								
~   4	SB #4 @ 5'			<del>-   •</del>	>			> \	5/1/08		> \			_ -					
0	SB #5 @ 5'	,9	ر. د		> >			> >	5/1/08	8 11:45	> >		1	-			_	+	
<u> </u>	SB #5 @ 40'	<u>)</u>	<u>ر</u> ا	1	`			. `>	5/1/08	8 01:39	>								
PLEASE NOTE: Liability an analyses, All claims includin service. In no event shall Ca	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 waked unless made in writing and received by Cardinal within 30 days after completion of the applicable sextrice. In no event shall be liable for included that work of the applicable including without limitation, business interruptions, loss of profits incurred by client, its subsidiaries.	ts exclusive remedy for any c use whatsoever shall be deer rental damages, including with	claim a tred wi thout lin	rising whe aived unle nitation, b	ther base ss made usiness ir	ed in contra in writing ar sterruptions	ct or tort, s nd receive, loss of us	shall be lin d by Card se, or loss	nited to the amour linal within 30 day, of profits Incurred	hether based in contact or tort, shall be limited to the amount paid by the client for the shees made in writing and received by Cardinal within 30 days after completion of the apbushess interruptions, loss of use, or loss of profits incurred by client, its substitiaries.	r the he applicat wies.	ble							
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