1R - 126-237

REPORTS

DATE:

BD A-6 Vent 2009

RECEIVED

APP - 6 2010

Environmental Bureau
Oil Conservation Division

/R426-237

CLOSURE

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

APP - 6 2010 Environmental Bureau Oil Conservation Division

BOX LOCATION

	SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP		COUNT	Y BOX DI	MENSIONS - FEE	ET ·
	Blinebry-Drinkard	vent A-6	Α	6	22S	37E	Lea	Length 6'		Depth 4'
	(BD)					i			eliminated	
	LAND TYPE: BI	LM S	TATE	_ FEE LA	NDOWNER	GF	P Sims	OTHER _		
	Depth to Groun	dwater	91	_feet	NMOC	D SITE ASS	ESSME	NT RANKING S	CORE:1	10
	Date Started_	7/9/20	08	_ Date Co	mpleted	2/9/2009	oc	D Witness	no	
	Soil Excavated _	400.0	cubic ya	rds Ex	cavation Le	ngth 30	Wi	idth30	Depth 12	feet
	Soil Disposed_	12	cubic ya	rds Of	fsite Facility	Sund	lance	Location _	Eunice, N	IM
EIN	IAL ANALYTIC	AI DESI	II TQ:	Cample	Doto 7/	20/2000 2/0	2/2000	Sample Do	ath 12#	E0 #
LIIV	IAL ANALT II	JAL KES	JLIS.	Sample	Date	28/2008, 2/9	3/2009	Sample Dep	oth 12 ft	, 50 π
	Procure 5-point cor	mposite samp	le of bott	om and 4-po	int composit	e sample of				
side	walls. TPH and C		-		-	-	red .	0.00		~~
	lab and te	sting procedi	ires pursi	uant to NMO	CD guideline	es.		CHLOR	IDE FIELD TES	515
	Sample	PID (field	G	RO	DRO	Chlorides	·] [LOCATION	DEPTH	mg/kg
\vdash	Location 4-WALL COMP.	ppm		g/kg 10.0	mg/kg 94	mg/kg 128	\dashv \vdash			247
	BOTTOM COMP.	0.3		10.0	<10.0	608	 } }	4-wall comp.	n/a 12'	510
<u> </u>	ENDED BACKFILL			10.0	132	240		blended backfill	12 n/a	404
—	L BORING 50 ft gra				132	192	→	background	1'a	138
301	L BOKING 30 It gra	30 0.0		1987.4	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	192	┛▐	Dackground	' 15'	376
General Description of Remedial Action: This junction was eliminated during the 20' 289										
	pipeline replacement/upgrade program. After the former junction box was removed, an SOIL BORING 25' 242 investigation was conducted using a backhoe to collect soil samples at regular intervals at the former 30' 339									
	ucing a 30x30x12-ft-						— [junction	30' 35'	339 339
	ele, which yielded chl						—	(source) 2/9/2009	40'	339
	sured using a PID, w						— [2/9/2009	45'	232
	oles were sent to a co			·····		-	— [ŀ	50'	232
			<u></u>	-				<u>I</u>		
excavated soil was blended on-site and returned to the excavation up to 5 ft below ground surface (BGS). At 5-4 ft BGS, a 1-ft thick clay barrier was installed. On 8/5/2008, a density test was performed on the clay barrier. The										
remaining soil was returned to the excavation to ground surface and contoured to the surrounding area. An identification plate was placed on										
the surface at the former junction box site to mark the presence of the clay below. On 8/5/2008, the site was seeded with a blend of native										
vegetation and is expected to return to a productive capacity at a normal rate. To further investigate depth of chloride presence, a soil boring										
was initiated on 2/9/2009 at the former junction box site. The boring was advanced to a depth of 50 ft BGS with soil samples collected at										
regular intervals. Chloride field tests performed on each samples yielded low concentrations that decreased with depth. Laboratory analysis										
confirmed low concentrations of chloride. The entire borehole was plugged with bentonite to the ground surface.										
enclosures: photos, boring log, lab results, PID (field) screenings, cross-section, clay test, chloride curve										
Chaladaras, phacas, adming reg, rab readits, i to (field) acreemings, cross-section, day test, childred curve										
	I HEREBY C	ERTIFY TH	AT THE II		N ABOVE I		D COMF	PLETE TO THE	BEST OF MY	
SITE	SUPERVISOR	Darnell Mitche	l SIG	NATURE 1	Dannale	Orilla	00	COMPANY	RICE OPERATIN	G COMPANY
	REPORT SSEMBLED BY	Katie Jones		INITIAL	<u>(,)</u>	L"				
PROJ	ECT LEADER La	rry Bruce Bake	Jr. SIG	SNATURE 3	any 13	Suce Br	der p	Za, DATE_	5/15/	109

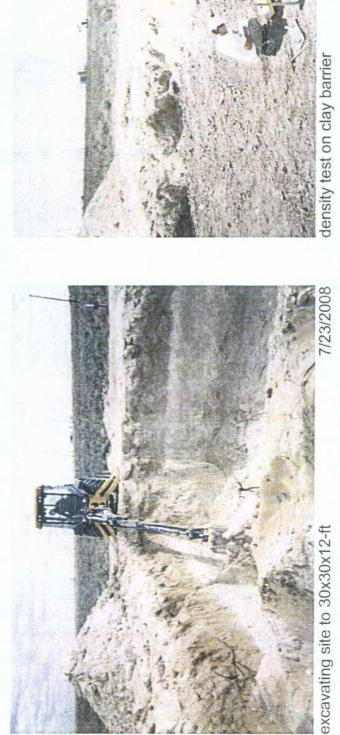
BD vent A-6 Unit A, Section 6, T22S, R37E



former junction box, facing south



collecting a soil sample





8/5/2008

soil boring at former junction box site

2/9/2009



seeding backfilled site

RICE OPERATING COMPANY

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

CK.	4
MODEL	
NO.	
	المعتمدة إد

MODEL: PGM 7600

SERIAL NO: 110-013676 SERIAL NO: 110-013744

MODEL: PGM 7600 MODEL: PGM 7600

SERIAL NO: 110-12383

MODEL: PGM 7600 Si

SERIAL NO: 110-023920



GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 073353	EXPIRATION DATE: 10-4-09
FILL DATE: 10-4-07	METER READING ACCURACY: 100 1994

ACCURACY: +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
B.D	Vent A-la	A	6	Tabs	R-37E

SAMPLE ID	PID	SAMPLE ID	PID
5 PT Bottom	1.2		
Westwall	0.7		
NORTH WALL	0.5		
South wall	0.4		
EAST WALL	<i>ः</i> ५	- 4g ·	
4 wall Composit	0.3	:	
Blended BACKfill	1.4		

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

SIGNATUE: Dranked I my Arheld

DATE: 7-28-08

•						H	Cont.
	Logger:		Tony Grieco	Cli	ent:	· · · · · · · · · · · · · · · · · · ·	Well ID:
	Driller:		Harrison & Cooper, Inc. Drilling		RICE Operating (Company	
Drilli	ng Method:		Air rotary	Pro	oject Name:	-	
	Start Date:		2-9-09		BD A-6 ve	ent	
	End Date:		2-9-09	Lo	cation:		SB - 1
Comm		: cente	r of former juction box site		BD SWD Sy	/stem	OD - 1
			•	ur	it 'A' Sec.6 T2	2S, R37E	
	TD = 50 ft		GW = 90 ft		Lea County	, N M	
Depth (feet)	chloride field tests	PID	Description		Lithology	1	oil Bore struction
15	376 289	0.2	COPY				

(1,000)	I HOTO ECOES	i .	1			,	
15	376	0	COPY	Company of the Control of the Contro			
20	289	0.2					
0.5	0.40	0.4					
25	242	0.1	15 - 50 ft				
			VERY FINE TO FINE SAND				
30	339	0	dry				bentonite
							seal
35	339	0					
40	336	0					
45	232	0					
50	232	0			a. Production of the Control of the		

Lab

192



ANALYTICAL RESULTS FOR RICE OPERATING COMPANY

ATTN: HACK CONDER 122 WEST TAYLOR HOBBS, NM 88240 FAX TO: (575) 397-1471

Receiving Date: 02/10/09 Reporting Date: 02/10/09 Project Number: NOT GIVEN Project Name: BD A-6 VENT

Project Location: BD A-6 VENT

Analysis Date: 02/10/09 Sampling Date: 02/09/09 Sample Type: SOIL

Sample Condition: COOL & INTACT Sample Received By: ZL

Analyzed By: HM

CI LAB NO. SAMPLE ID (ma/ka)

H16864-1	SB #1 50'	192
77 NY NY PIETRON 1770. (2.50 USES II 1881 1.44 M.)		
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent I	Difference	2.0

METHOD: Standard Methods 4500-CITE

Note: Analysis performed on a 1:4 w:v aqueous extract.

02/10/09

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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	Company Name: 10 10 11 10 110 110

Company Nami	Company Name: OLO DOLO DE ELA TILO DO		Ø 2	8/17/20		ANALYSIS	S REQUEST	EST		
Project Manage	Project Manager: ロイベス くしいじけて		P.O. #:							
Address:	122 W. TATLOK		Company:							
City:	,十〇字 医	State: NV Zip: \mathcal{EE} 2 \mathcal{V} 0	Attn:							
Phone #:	7	Fax#: 397/471	Address:			(
Project #:			City:			>\ リ ー				
Project Name:	GD A-6 VENT		State: Z	Zip:		<u></u>	<u> </u>			
Project Location:)		Phone #:			<u> </u>				
Sampler Name:	TONIY GILICCO		Fax #:							
FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: COOL OTHER:	DATE TIME	Pa/20787					
1-498611	16864-1 524150	4		49/09 306	,,,					100
							-			
7			100							
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ULEASE HOTE: Islabity and Dannagas. Condinal's liabitity and clearfs exclusive remesty to any claim airling whether based in contract of tort, shall be limited to the amount paid by the clearf 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 avent shall Cardinal be liable for incidensed or exequental damages, including whitever instances, partial consequents damages, and any associates and instance of received to due performance of services hereavely classes of whether such claim is besed upon any of the above stated reasons or otherwise. Reflictualished By:

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Relinquished By:	Date:	Received By:		CMCH (CSV/T)
· ·	Time:			/ WRIM herman Com a south com
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	hemoler (in 10 Coscie) com
Sampler - UPS - Bus - Other:		Yes Ves	(IIIIIIII)	JPHINIS (@ VICESING, CONT
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: DARNELL MITCHELL

122 W. TAYLOR HOBBS, NM 88240



AUG 05 2008 Harde Omerating Hobbs, NW

Receiving Date: 07/28/08 Reporting Date: 07/29/08

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: B-D VENT A-6

Sampling Date: 07/28/08 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML Analyzed By: AB/HM

COPY

	GRO	DRO	
	(C_6-C_{10})	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)

ANALYSIS	DATE	07/29/08	07/29/08	07/29/08
H15253-1	BLENDED BACKFILL 30X30X12	<10.0	132	240
H15253-2	5 PT BOTTOM COMPOSITE 30X30X12	<10.0	<10.0	608
H15253-3	4 WALL COMPOSITE 30X30X12	<10.0	94.0	128
		500	10.5	
Quality Control		592	435	500
True Value	QC	500	500	500
% Recovery		118	87.0	100
Relative Percent Difference		5.8	15.3	< 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

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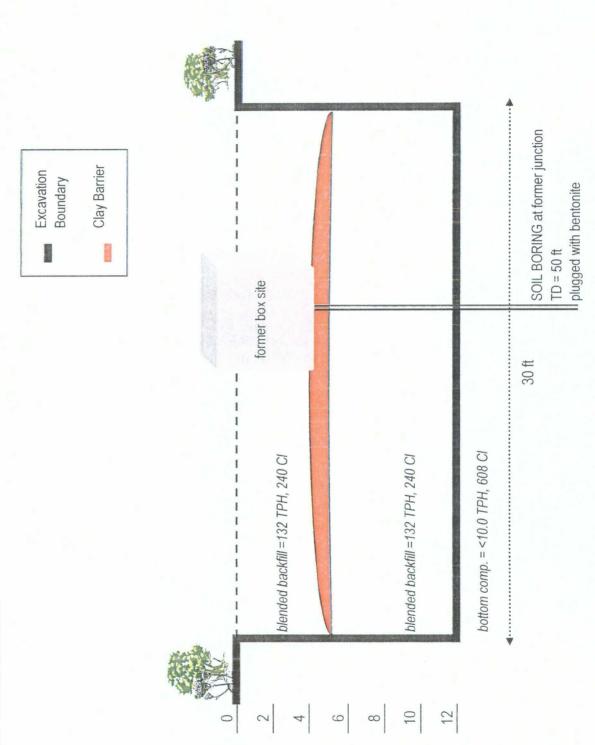
101 East Marland, Hobbs, NM 88240 (575) 393-2326 Fax (575) 393-2476

Company SAME	(5/5) 393-2326 Fax (5/5) 393-2476 Company Name: したく こりんしはキンピ	176	BILL TO	ANALYSIS	Pageof
10 Sample 1.D. Sample 1.D. Sample 2.D. Carl 1.D. Carl 2.D.	0		#		
Deligh Design State Delight Owner Project Owner Proj	1 40				
1D. Sample 1.D. Sample 1.D		Zip: 88340	Attn:		
Figure Control Contr	Phone # 27 2 - 0 0 4 Fax #;		Address:		
Sample 1.D. Sample	Project #: Project Owner:	-	City:		
H.D. Sample I.D. Golden B. Sample I.D. S	Project Name:				
1.D. Sample 1.D. Greeked General Sample 1.D. Greeked Gener	Project Location: C.D MENIT R. C.		Phone #:		
Sample I.D. Sample I.D. Grave Reference of the second state of the	Sampler Name: Volume II Mitchell		Fax #:		
Sample I.D. Sample I.D. OF SAMPLE I.	FOR LAB USE ONLY				
25.3 Method (New York)	,	CONTRINERS ROUNDWATER ASTEWATER OIL	CID/BASE: THER:	M 2108	
Fig. 10 Fig.	Blooded Brestiet SOXXOX D	S > A	A 7	11. 45.53. 1	
The Litelity and Domestar Chaldrad's lisability and clears extlusive cannot be transported to the amount paid by that clearly to the clear of the cl	Eff Borlan Greent BOXZEX 19. HERNI CONPOST SONZEN 12.		1.38 cs	77	
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Excavation Cross-Section

Z



feet BGS



LABORATORY TEST REPORT PETTIGREW & ASSOCIATES, F....

1110 N. GRIMES HOBBS, NM 88240 (505) 393-9827



To:

Rice Operating Company

Attn: Hack Conder

122 W. Taylor

Hobbs, NM 88240

Test Method:

Material:

Wallach Red Clay

Project:

General Information

BD Vent A-6

Project No. 2008.1069

Date of Test:

August 5, 2008

Depth:

See Below

ASTM: D 2922

Depth of Probe:

Dry Density

Test No. Location % Max % Moisture Depth SG 7 Building Pad - 15' N. & 15' E. of SW Corner FSG 93.3 14.6





AUG 15 7008

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Control Density:

102.8

ASTM: D 698

Optimum Moisture:

22.6%

Required Compaction:

90 - 95%

Densometer ID:

815

Lab No.:

08 6363-6364

PETTIGREW & ASSOCIATES

Copies To:

Rice Operating

EncaMDUA Du Offici

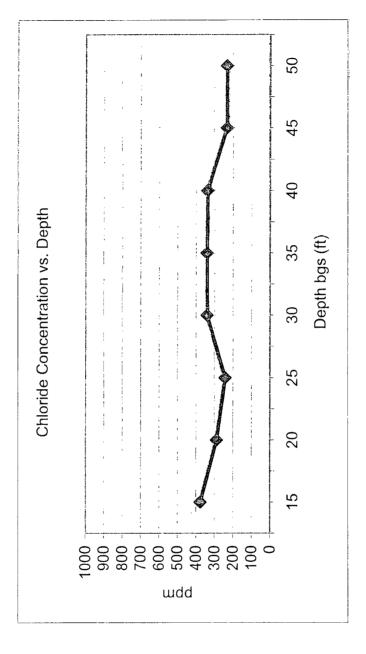
P.E.

BD vent A-6

Unit 'A', Sec. 6, T22S, R37E

SOIL BORING samples at the junction (source)

[CI] ppm	376	289	242	339	339	336	232	232
Depth bgs (ft)	15	20	25	30	32	40	45	50



Groundwater = 91 ft