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REPORTS

DATE:

1-2-2001

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427-115

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX D	IMENSIONS -	FEET
EME	U6	UNIT	6	218	36E	LEA	Length 9'	Width 7'	Depth 4'
LAND TYPE: I	RLM	STATE 2	X FFF LA	NDOWNER	 		OTHER	<u> </u>	
Depth to Grou									0
Date Started	 -		-						
			-	-	•				
Soil Excavated					-	<u>-</u>			
Soil Disposed	0	cubic yar	rds O	ffsite Facility			Location		
IAL ANAL	TICAL E	ESIII TO	S. Samai	la Data	04/02/2	004	Sample De	nth	6'
AL ANAL	I HOAL P	ESULIS	o. Sampi	e Date	01/02/2	001	Sample De	ptri	0
F				bottom and					
	BTEX and		•	t results comp pursuant to		•	ved lab and	testing	
				<u> </u>				···	
Sample Location	Benzene mg/kg		uene E g/kg	thyl Benzene mg/kg	Total Xyleno mg/kg	es GF mg	-	DRO mg/kg	Chlorides mg/kg
IDEWALLS	<0.002		002	<0.002	<0.006		50	<50	182
BOTTOM	<0.002	<0.	002	<0.002	<0.006	</td <td>50</td> <td><50</td> <td>149</td>	50	<50	149
CD guidelines. Ir	istalled compac	Red clay liner	and water tign	it junction box a	ing oacktilleg.		CATION	DEPTH	mg/kg
							DEWALLS	4'	270
			-				воттом	6'	250
					,				
						-			
					·				
						_ -	· · · · · · · · · · · · · · · · · · ·		
					2.7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.				
I HEREE	BY CERTIFY	THAT THE		TION ABOVE			LETE TO T	HE BEST OF	F MY
Ξ Λ	01/0	02/2001	/		NTED NAME		Jame	es Strugill	
	U 12		/				34,114		
IATURE 5//	· . /	1	tican	-)-	TITLE		Environme	ntal Technici	an



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

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: JAMES STURGILL 122 W. TAYLOR

HOBBS, NM 88240

FAX TO:

Receiving Date: 01/02/01

Reporting Date: 01/04/01

Project Number: NOT GIVEN

Project Name: U-6 SIDES AND BOTTOM

Project Location: U-SEC6-T21-R36

Sampling Date: 01/02/01
Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: B C Analyzed By: BC/AH

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

ANALYSIS	DATE	01/03/01	01/03/01	01/04/01
H5486-1	U-6 BOTTOM	<50	<50	149
H5486-2	U-6 SIDES	<50	<50	182
Quality Con	trol	929	1049	1004
True Value		1000	1000	1000
% Recovery		92.9	105	100
Relative Per	cent Difference	8.5	7.8	7.2

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

BULLINA Colhe Chemist

Date

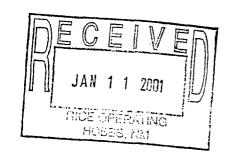
H5486A.XLS



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: JAMES STURGILL 122 W. TAYLOR HOBBS, NM 88240 FAX TO:



Receiving Date: 01/02/01 Reporting Date: 01/05/01

Project Number: U-6 SIDE AND BOTTOM Project Name: U-6 SIDES AND BOTTOM Project Location: U-SEC 6 - T-21 R-36 Sampling Date: 01/02/01 Sample Type: SOIL

Sample Condition: COOL, INTACT Sample Received By: BC-HOBBS

Analyzed By: JA

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DAT	E	01/04/01	01/04/01	01/04/01	01/04/01
H5486-1	U-6 BOTTOM	<0.002	<0.002	<0.002	<0.006
H5486-2	U-6 SIDES	<0.002	<0.002	<0.002	<0.006
Quality Control		0.092	0.096	0.087	0.262
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		92	96	87	87
Relative Percent	Difference	4.9	2.8	2.4	2.3

METHOD: EPA SW 846-8020, 5030, Gas Chromatography

Chamiet

Date

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476	x (505) 393-2476	Page	of
Company Name:	Rice Openating Com		ANALYSIS REQUEST	- 1
Project Manager:	JAMES Stu	P.O.#:		
Address:	122 W Tay lit	Company:		
City:	\$10 665 " State: 11 M ZIp: 88240	Attn:		
Phone #:	3939174 Fax#	Address:	2	:
Project #:	U-6 5: Le A. J. Projett Symer:	City:		
Project Name:	U-6 sides And Bottom	State: Zip:		
Project Location:	U-B-R 6- 7-2	*	Y	
Sampler Name:	TAMES STURGE	Fax #:	5/	
FOR LABUSE ONLY	MATRIX	PRESERV SAMPLING	2/:	
	ER		. 80	
Lab I.D.	RAB OR (C) CONTAINER COUNDWAT ASTEWATER UDE OIL UDGE	HER: ID/BASE: I/COOL HER:	7724	
H-941511	**************************************	, A	1	
	-U-6 sides		\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \right	
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Sampler Relinquished	Sampler Relinquished; / Date: Received by Cardia, reported and shelps such dain a light of the particular polyment of the particu	es of whother such defin is based upon any of the shows stated research or otherwise. On the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	PAL ON LAND LAND	
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

				BOX LOC						
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY		(DIMENSIONS		_
EME	U6	UNIT	6	218	36E	LEA	Length 9'	Width 7'	Depth 4'	
LAND TYPE:	BLM	STATE	X FEE L	ANDOWNER			ОТНЕ	ER		
Depth to Grou	ındwater	157	_feet	NMOCE	SITE ASS	ESSMENT	RANKING	SCORE:	0	-
Date Started	01/02	2/2001	_ Date C	ompleted	01/02/2001	OCD	Witness_	N	0	
Soil Excavated	25	cubic ya	ards E	xcavation Le	ngth 12	Width	10	Depth	6	feet
Soil Disposed	<u> </u>	cubic ya	ards (Offsite Facility			Location	on		
FINAL ANAL	YTICAL F	RESULT	S: Samı	ole Date	01/02/2	2001	Sample	Depth	6'	
1			boratory te	of bottom and st results com s pursuant to	pleted by us	ing an appr				
Sample	Benzene	• 1 To	luene	Ethyl Benzene	Total Xyler	es G	RO	DRO	Chloric	les
Location	mg/kg	m	g/kg	mg/kg	mg/kg	mg	g/kg	mg/kg	mg/k	g
SIDEWALLS	<0.002		0.002	<0.002	<0.006		50	<50	182	
BOTTOM	<0.002	! <(0.002	<0.002	<0.006		50	<50	149	
General Description				vertical and late			······································	ORIDE FIELD		·
			····	-			OCATION			g/kg
							DEWALL			70
		 		·····			BOTTOM	6'	2	50

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IHERE	BY CERTIF	Y THAT TH		ATION ABOV			PLETE TO	THE BEST C)F MY	
DATE	01	/02/2001	/	PR	INTED NAME		Ja	ames Strugill		
SIGNATURE	<u> </u>	1 1/4	heren		TITLE	***************************************	Environ	mental Technic	cian	
		•								



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

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: JAMES STURGILL 122 W. TAYLOR HOBBS, NM 88240 FAX TO:

Receiving Date: 01/02/01 Reporting Date: 01/04/01

/01 Sampling Date: 01/02/01 Sample Type: SOIL

GRO

Project Number: NOT GIVEN

Sample Condition: COOL & INTACT

Project Name: U-6 SIDES AND BOTTOM

Sample Received By: B C

Project Location: U-SEC6-T21-R36

Analyzed By: BC/AH

DRO

LAB NUMBER SAMPLE ID	(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE	01/03/01	01/03/01	01/04/01
H5486-1 U-6 BOTTOM	<50	<50	149
H5486-2 U-6 SIDES	<50	<50	182
Quality Control	929	1049	1004
True Value QC	1000	1000	1000
% Recovery	92.9	105	100
Relative Percent Difference	8.5	7.8	7.2

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

Swylf Ha Coshe Chemist

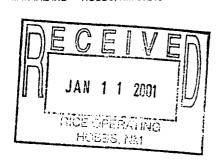
Date

H5486A.XLS



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

ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: JAMES STURGILL 122 W. TAYLOR HOBBS, NM 88240 FAX TO:



Receiving Date: 01/02/01 Reporting Date: 01/05/01

Project Number: U-6 SIDE AND BOTTOM Project Name: U-6 SIDES AND BOTTOM Project Location: U-SEC 6 - T-21 R-36

Sampling Date: 01/02/01 Sample Type: SOIL

Sample Condition: COOL, INTACT Sample Received By: BC-HOBBS

Analyzed By: JA

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DAT	E	01/04/01	01/04/01	01/04/01	01/04/01
H5486-1	U-6 BOTTOM	<0.002	<0.002	<0.002	<0.006
H5486-2	U-6 SIDES	<0.002	<0.002	<0.002	<0.006
Quality Control		0.092	0.096	0.087	0.262
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		92	96	87	87
Relative Percent	Difference	4.9	2.8	2.4	2.3

METHOD: EPA SW 846-8020, 5030, Gas Chromatography

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

PLEASE NOTE: Liability and Daniagos. Carr analyses. All claims including those for naging Sampler Name: Project Location: Phone #: City: Project Name: Project Manager: Company Name: roject #: Address: Lab I.D. FOR LAB USE CALY ARDINAL LABORATORIES, INC. 2111 Beechwood, Abllene, TX 79603 ーしー (915) 673-7001 Fax (915) 673-7020 3939174 gos. Cardina's Subility and obset's exclusive remady for may delan exteng whether U-5-8 46663 f rice JAMES JAMES 6 5: Le Rul Boto Common Sample I.D. sides 00 ŝ Sucka, 6 ナロエ ď Sturg. Fax #: and Bottom v State: tiwg T-212 029 M zip: COM GANY 136 (G)RAB OR (C)OMP. (505) 393-2326 Fax (505) 393-2476 101 East Mariand, Hobbs, NM 88240 # CONTAINERS 04×88 GROUNDWATER WASTEWATER based in contract or text, what for limited to the amount padd by the dank for the side in vertical and received by Cardinal within 30 days after completion of the seco MATRIX SOIL CRUDE OIL SLUDGE OTHER: State: SE SE P.O. # Fax #: Attn: Phone #: Company: Address: ACID/BASE: PRESERV ICE / COOL סר בתם OTHER: Zip: DATE SAMPLING TIME 8015M ANALYSIS REQUEST Terms and Conditions: labered will be charged on all accepts. 30 days past due at the rate of 24% per arrum from the original and all costs of collections, including adcessor's free. 잌

Sample Condition
Cool Intact
Cool Intact
Cool Intact
No No

ECKED BY: (Inittials)

8

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Relinquished By:

amex

Time:

Received By: (Lab Staff

Sampler Relinquished

questal derages, trobating without finitedors, business historruptions, and services historruption by Cardinal, regardless of whether such dail. | Received By:

after completion of the app by client, its subsidiaries.

Phone Result: Fax Result: REMARKS:

□ Yes

O O

Add'l Phone #: Add'l Fax #:

tos. In no event shall Cardinal be Eable for I

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