1R - 427 - 36

REPORTS

DATE:

9-30-2603

IRO427-36

FINAL

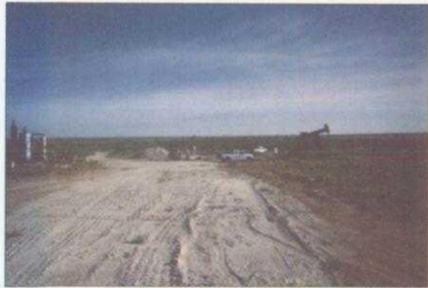
REPORT

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

				BOX LOC						
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY		IMENSIONS - Width	FEET Depth	_
EME	H-12	н	12	218	35E	Lea	Length No	Box (elimated		\exists
LAND TYPE:	BLM	STATE	FEE LA	ANDOWNER	Merchant	Livestock C	o. OTHER			
Depth to Grou	ndwater	133	_feet	NMOCE	SITE ASS	ESSMENT	RANKING S	CORE:	0	
Date Started	8/14	/2003	_ Date Co	mpleted	8/26/2003	OCD	Witness	No.	<u> </u>	
Soil Excavated	155	cubic ya	nds Ex	cavation Le	ngth 23	Width	14	Depth	13	feet
Soil Disposed	10	cubic ya	ards Of	ffsite Facility	n	/a	Location	<u>'</u>	n/a	···
FINAL ANAL							Sample De	*	13 ft	· · · · · · · · · · · · · · · · · · ·
P		Chloride lab	oratory test	f bottom and results com pursuant to	pleted by us	ing an appr				
Sample	PID	G	RO	DRO	Chloride					
Location	ppm		g/kg	mg/kg	mg/kg	* '	Each individu	ıal wall comp	oosite wa	S
SIDEWALLS	<30.0 '		10.0	<10.0	704		ested with th			
BOTTOM REMEDIATED	20.8		10.0	<10.0 <10.0	704 416	^	lone were o	ør 30 ppm.		
General Description chloride concentration	n declines verti	cally and late	rally in relatior	to the original	junction. The			RIDE FIELD		
was no evidence of T	· · · · · · · · · · · · · · · · · · ·						OCATION	DEPTH (fi		om
minimal readouts. Th	ne excavated s	oil from the 2:	3 x 14 x 13-ft-	deep hole was	blended and t	hen	5 ft East	5		91
packfilled and contou	red to the surre	ounding surfa	ce. A new jun	ction box will n	ot be re-built			6	11	184
over the location as it	was re-plumb	ed straight thr	ough with a n	ew poly pipelin	e. The disturt	ed		7	10	800
surface will not be re-	seeded due to	the site's pro	ximity to activ	e oilfield faciliti	es, structures,			8	8	96
and a road (see phote	os). The site is	expected to	naturally re-ve	getate at a no	rmal rate.			9	7	99
								10	4	64
		· · · · · · · · · · · · · · · · · · ·						12	5	25
								13	5	40
						be	ottom comp.	13	5	18
cc: lab results, chlorid	de graphs, PID	field notes, p	hotos			re	med. comp.	n/a	5	34
I HEREE	BY CERTIFY	THAT THE		TION ABOV			PLETE TO T	HE BEST O	FMY	
DATE	9/	30/2003		PR	INTED NAME		Kris	tin Farris		
SIGNATURE #	nition	faria	/		TITLE		Proie	ct Scientist		



Jct. Box Site (after NORM removal)



Excavation (looking North)



Excavation



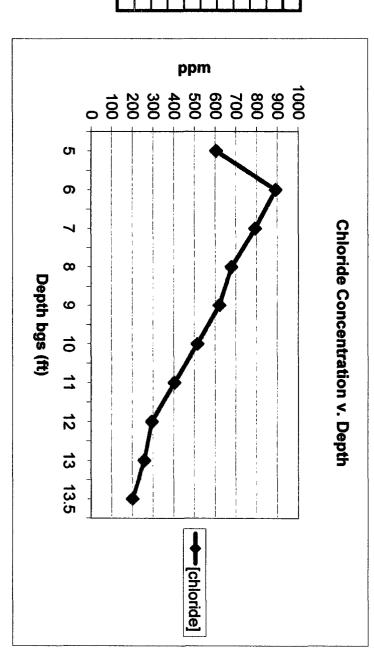
Backfilled

EME jct. H-12 T218, R35E

Vertical at center of jct.

13.5	13	12	11	10	9	8	7	6	5	Depth bgs (ft)
201	259	294	403	515	621	679	794	893	605	[Cl-] ppm

Groundwater = 133 ft

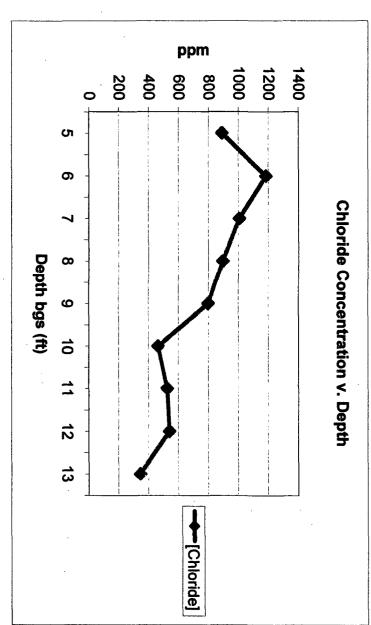


EME jct. H-12 T218, R35E

5 ft east from center of jct.

13	12	11	10	9	8	7	6	5	Depth bgs (ft)
345	540	525	464	799	896	1008	1184	891	[Cl-] ppm

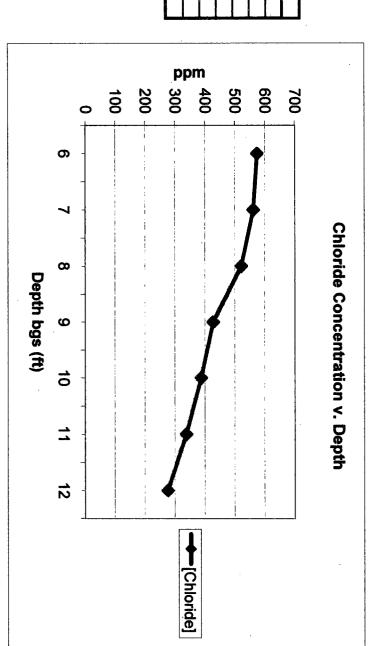
Groundwater = 133 ft



EME jct. H-12 T218, R35E

10 ft east from center of jct.

12	11	10	9	8	7	6	Depth bgs (ft)
277	338	388	428	522	562	575	[Cl-] ppm



ETGI Jutice Report EME 14-12 8-19-03 Bottom Composite & 4 Sidewall composite Botton Composite 13 WENCLL ppm 518 104 LAB 666 672 MB TRA NO odor Jed no oder 10 20.8 10 21.8 Color Light Brown Sout COLON Caliche /Brown Sand S. Well buch late th pp~ 831 ppm 194 864 LAB 208 LAB TAN NO O don TPM NO OCON Mio 22.3 10 25.1 Color calicle/Brown Sand color calicle/Brown Sand E. WeLL Stock pita 5 point composite 180 1020 LAB pp 534 4/6 LAB TPH NO ONOS TPN No odor Pie 29.5 25.5 100 cotor esticke Associan Sand Color esticke Brown Sand Ypoly Line 13'0000 - dead North Line coest 1 cost & ALL three 3.5 porc Live's are pluged deed Line



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:

Receiving Date: 08/19/03 Reporting Date: 08/21/03

Project Number: NOT GIVEN Project Name: EME H-12

Project Location: LEA COOUNTY, NM

Sampling Date: 08/19/03 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: GP Analyzed By: BC/AH

	GRO	DRO	
	$(C_{6}-C_{10})$	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS	DATE	08/20/03	08/20/03	08/20/03
H7928-1	BOTTOM COMPOSITE	<10.0	<10.0	704
H7928-2	N. WALL COMPOSITE	<10.0	<10.0	672
H7928-3	S. WALL COMPOSITE	<10.0	<10.0	864
H7928-4	W. WALL COMPOSITE	<10.0	<10.0	208
H7928-5	E. WALL COMPOSITE	<10.0	<10.0	1020
H7928-6	STOCKPILE COMPOSITE	<10.0	<10.0	416
Quality Con	trol	812	748	1050
True Value	QC	800	800	1000
% Recovery	1	102	93.5	105
Relative Pe	rcent Difference	2.1	0.8	5.0

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

Chemist

Date

H7928.XLS
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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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dditional Fax #:	es	of services negationed by Cardinal, respictores of wineting such committee beautiful principles and order in the such committee beautiful principles. ☐ Phone Result ☐ Y	upon any or use an	Cialili Is Dased	Wienley Social	Received By:	Rece	inder by C	Date:	of or related to the performa	affiliates or successors arising out of or related to the performance
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ferms and conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invo	ent for the on of the applicable	e amount paid by the c 30 days after completi	shall be limited to the d by Cardinal within	stract or tort,	ade in writing	ting whether ed unless m	y claim aris emed walv	edy for an	client's exclusive ren	nages. Cardinal's liability and se for negligence and any oth	PLEASE NOTE: Liability and Damages, Cardnal's liability and clerit'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 daims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardnal within 30 days after completion of the applicable
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र्रेः † Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.



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

Receiving Date: 08/19/03
Reporting Date: 09/02/03
Project Number: NOT GIVEN

Project Name: EME H-12

Project Location: LEA COUNTY, NM

Analysis Date: 08/29/03 Sampling Date: 08/19/03

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: AH

LAB NUMBER SAMPLE ID CIT (mg/Kg)

H7928-1	COMP. N., S.,	704
	E., & W. WALLS	
Quality Control		1070
True Value QC		1000
% Recovery		107
Relative Percent Di	fference	1.9

METHOD: Standard Methods 4500-CIB

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

Date