1R-42

REPORTS

DATE:



/R427-292

EME L-19-1 EOL 2009

RECEIVED

Ψ.

ADD - 6 2010

Environmental Bureau Oil Conservation Division

CLOSURE

RECEIVED

ADD - 6 2010

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

Environmenial Bureau Oil Conservation Division

				BOX LOCA							
		UNIT	SECTION	TOWNSHIP	RANGE	COUN		BOX D	IMENSIONS Width		epth
Eunice Monument JC Eumont (EME)	t. L-19-1	L	19	205	37E	Lea		Length	eliminated		
LAND TYPE: BLM	I ST/	ATE X	FEE LA	NDOWNER				OTHER			
Depth to Groundw	vater <u>3</u>	32	feet	NMOCE	D SITE ASS	SESSME	INT RAI	NKING S	CORE:	20	
Date Started	1/7/200	9	Date Co	mpleted	2/13/2009	0	CD Wite	ness	no		_
Soil Excavated	44	cubic yar	ds Ex	cavation Le	ength10	v	Vidth	10	Depth	12	feet
Soil Disposed	0	cubic yar	ds Of	fsite Facility	n	n/a		Location	r	<u>/a</u>	
FINAL ANALYTICA	L RESU	LTS:	Samp	ole Date	1/8/200	9	Sa	mple De	pth	12	ft
Procure 5-point composit completed by using ar			esting proc				,	CHLOR	IDE FIELD	TEST	rs
Sample	DID (field)				a second s		g	the second s	the second s		
Location	PID (field) ppm	GF mg		DRO mg/kg	Chloride mg/kg	•	LOCA	ATION	DEPTH	1	mg/kg
•			/kg				ļ	ATION n comp.	DEPTH 12'	+	mg/kg 206
Location	ppm	mg.	/kg	mg/kg	mg/kg		botton				
Location BOTTOM COMP.	ppm 0.0	mg. <1(/kg	mg/kg <10.0	mg/kg 16		botton backfi	n comp.	12'	+ 	206
Location BOTTOM COMP. BACKFILL COMP.	ppm 0.0 0.0	mg. <1(<1(/kg 0.0 0.0	mg/kg <10.0 <10.0	mg/kg 16 16		botton backfi	n comp. Il comp.	12' n/a	•	206 175
Location BOTTOM COMP. BACKFILL COMP. General Description of F	ppm 0.0 0.0 Remedial A	mg <1(<1(ction:	/kg D.0 D.0 This junction	mg/kg <10.0 <10.0 n box was elin	mg/kg 16 16 minated duri	ng	botton backfi	n comp. Il comp.	12' n/a 6"	1	206 175 110
Location BOTTOM COMP. BACKFILL COMP. General Description of F he pipeline replacement/up	ppm 0.0 0.0 Remedial A	mg <1(<1(ction:	/kg D.0 D.0 This junction the former j	mg/kg <10.0 <10.0 n box was elin junction box v	mg/kg 16 16 minated durin was removed	ng d, an	botton backfi	n comp. Il comp.	12' n/a 6" 2'		206 175 110 212
Location BOTTOM COMP. BACKFILL COMP. General Description of F he pipeline replacement/up nvestigation was conducted	ppm 0.0 0.0 Remedial A grade progra d using a bac	mg <10 <10 ction: am. After khoe to c	/kg 0.0 This junction the former j collect soil s	mg/kg <10.0 <10.0 n box was elin junction box v amples at reg	mg/kg 16 16 minated duri was removed gular interval	ng d, an s	botton backfi backg	n comp. Il comp. ground	12' n/a 6" 2' 3'	1	206 175 110 212 142
Location BOTTOM COMP. BACKFILL COMP. General Description of F he pipeline replacement/up nvestigation was conducted producing a 10x10x12-ft-de	ppm 0.0 0.0 Remedial A ograde progra d using a bac ep excavatio	ction: m. After khoe to c	/kg D.0 D.0 This junction the former j collect soil so de field tests	mg/kg <10.0 <10.0 n box was elin junction box v amples at reg s performed c	mg/kg 16 16 minated durin was removed gular interval on each sam	ng d, an s	botton backfi backg	n comp. Il comp. ground tical	12' n/a 6" 2' 3' 4'	1	206 175 110 212 142 179
Location BOTTOM COMP. BACKFILL COMP. General Description of F he pipeline replacement/up nvestigation was conducted producing a 10x10x12-ft-de yielded low concentrations s	ppm 0.0 0.0 Remedial A grade progra d using a bac ep excavatio similar to that	mg <10 <10 ction: am. After khoe to co n. Chlorid of the ba	/kg D.0 This junction the former j collect soil s de field tests ackground.	mg/kg <10.0 <10.0 n box was elin junction box w amples at reg s performed o Organic vapo	mg/kg 16 16 minated duri was removed gular interval on each sam ors were	ng d, an s aple	botton backfi backg ver delin	n comp. Il comp. ground	12' n/a 6" 2' 3' 4' 5'	1	206 175 110 212 142 179 169
Location BOTTOM COMP. BACKFILL COMP. General Description of F he pipeline replacement/up nvestigation was conducted producing a 10x10x12-ft-de vielded low concentrations s measured using a PID whic	ppm 0.0 0.0 Remedial A ograde progra d using a bac ep excavatio similar to that h also yielded	ction: ction: m. After khoe to c n. Chlorid of the ba	/kg 0.0 D.0 D.0 This junction the former j collect soil so de field tests ackground. icentrations.	mg/kg <10.0 <10.0 n box was elin junction box v amples at reg s performed c Organic vapo . A 5-point bo	mg/kg 16 16 minated durin was removed gular interval on each sam ors were ottom compo	ng d, an s aple	botton backfi backg delin trench jund	tical eation n at the ction	12' n/a 6" 2' 3' 4' 5' 6'	1	206 175 110 212 142 179 169 175
Location BOTTOM COMP. BACKFILL COMP. General Description of F he pipeline replacement/up nvestigation was conducted producing a 10x10x12-ft-de rielded low concentrations s neasured using a PID whic and a backfill composite sar	ppm 0.0 0.0 Remedial A ograde progra d using a bac ep excavatio similar to that h also yielded mple was and	mg. <10 <10 ction: m. After khoe to c n. Chlorid of the ba d low con alyzed by	/kg 0.0 0.0 This junction the former j collect soil s de field tests ackground. centrations. a commerce	mg/kg <10.0 <10.0 n box was elin junction box w amples at reg s performed o Organic vapo . A 5-point bo ial laboratory	mg/kg 16 16 minated duri was removed gular interval on each sam ors were ottom compo which	ng d, an s pple osite	botton backfi backg delin trench jund	tical eation n at the	12' n/a 6" 2' 3' 4' 5' 6' 7'	1	206 175 110 212 142 179 169 175 196
Location BOTTOM COMP. BACKFILL COMP. General Description of F the pipeline replacement/up nvestigation was conducted producing a 10x10x12-ft-de yielded low concentrations s measured using a PID whic and a backfill composite sar confirmed low concentration	ppm 0.0 0.0 Remedial A ograde progra d using a bac ep excavatio similar to that h also yielded mple was ana ns. A 4-wall of	ction: ction: m. After khoe to c n. Chlorid of the ba d low con alyzed by composite	/kg 0.0 D.0 This junction the former j collect soil so de field tests ackground. icentrations. a commerc e sample wa	mg/kg <10.0 <10.0 n box was elin junction box v amples at reg s performed of Organic vapo . A 5-point bo ial laboratory	mg/kg 16 16 minated durin was removed gular interval on each sam ors were ottom compo which due to the sa	ng d, an s pple psite	botton backfi backg delin trench jund	tical eation n at the ction	12' n/a 6" 2' 3' 4' 5' 6' 7' 8'		206 175 110 212 142 179 169 175 196 182
Location BOTTOM COMP. BACKFILL COMP. General Description of F the pipeline replacement/up investigation was conducted producing a 10x10x12-ft-de yielded low concentrations s measured using a PID whic and a backfill composite sar confirmed low concentration concern of unstable walls.	ppm 0.0 0.0 Remedial A ograde progra d using a bac ep excavatio similar to that h also yielded mple was ana ns. A 4-wall of The excavate	mg <10 <10 ction: am. After khoe to c n. Chlorie cof the ba d low con alyzed by composite ed soil wa	Akg D.0 D.0 This junction the former j collect soil s de field tests ackground. centrations. a commerc e sample wa s returned t	mg/kg <10.0 <10.0 n box was elin junction box w amples at reg s performed of Organic vapo . A 5-point bo ial laboratory as not taken of to the excaval	mg/kg 16 16 minated durin was removed gular interval on each sam ors were ottom compo which due to the sa tion to groun	ng d, an s pple fety id	botton backfi backg delin trench jund	tical eation n at the ction	12' n/a 6" 2' 3' 4' 5' 6' 7' 8' 9'	1	206 175 110 212 142 179 169 175 196 182 141
Location BOTTOM COMP.	ppm 0.0 0.0 Remedial A ograde progra d using a bac ep excavatio similar to that h also yielded mple was ana ns. A 4-wall of The excavate e surrounding	mg. <10 <10 ction: am. After whoe to con alyzed by composite ed soil wa g area. C	/kg 0.0 D.0 D.0 This junction the former j collect soil so de field tests ackground. accentrations. a commerc e sample water is returned to Dn 2/13/2005	mg/kg <10.0 <10.0 n box was elii junction box w amples at reg s performed of Organic vapo . A 5-point bo ial laboratory as not taken of o the excaval 9, the site wa	mg/kg 16 16 minated durin was removed gular interval on each sam ors were ottom compo which due to the sa tion to groun s seeded will	ng d, an s iple fety id	botton backfi backg delin trench jund	tical eation n at the ction	12' n/a 6" 2' 3' 4' 5' 6' 7' 8' 9' 10'	1	206 175 110 212 142 179 169 175 196 182 141 198

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. SITE SUPERVISOR Jordan Woodfin SIGNATURE(COMPANY RICE OPERATING COMPANY REPORT ASSEMBLED BY Katie Jones INITIAL Bruco Baden An DATE 4-2-09 PROJECT LEADER _____ Larry Bruce Baker Jr. ____ SIGNATURE Öli Ma

EME Jct. L-19-1 EOL

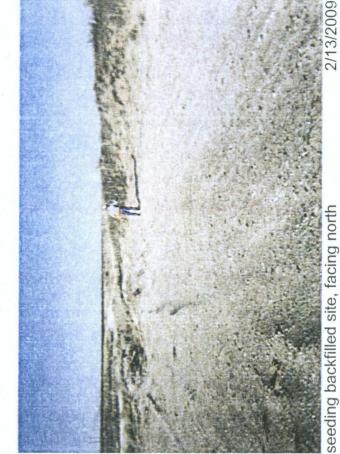


capped lines at former junction box, facing north



Unit L, Section 19, T20S, R37E





1/7/2009 excavation at former junction box, facing southwest



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

.1AN 1 42009 FICE OPERATING HOBBS, NM

ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: JORDAN WOODFIN 122 W. TAYLOR HOBBS, NM 88240

Receiving Date: 01/08/09 Reporting Date: 01/12/09 Project Number: NOT GIVEN Project Name: EME JCT L-19-1 EOL

Project Location: EME JCT L-19-1 EOL

Sampling Date: 01/08/09 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: ML Analyzed By: AB/TR

	GRO	DRO	
	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DATE	01/09/09	01/09/09	01/12/09
H16647-1 BACKFILL	<10.0	<10.0	16
H16647-2 5PT BOTTOM COMP	<10.0	<10.0	16
Quality Control	453	517	500
True Value QC	500	500	500
% Recovery	90.6	103	100
Relative Percent Difference	3.4	7.4	<0.1

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

hemist

H16647 TCL RICE

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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	ANALYSIS REQUEST							2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				EMAIL RESULTS TO	@ PICESUP.
2111 Beechwood, Abilene, TX 79603	1 100/-0/0 (070)	P.O. #: Company:	Mzip: & & ZYO Attn: Address:	City:	1 EOC	EOL	Fax #:	8 СОИТИЛЕЛА 8 СОИТИЛЕЛА 8 Парада 8 Парада 9 Парада 100	X X X X X 7		² exclusive request for au, cluin aixidire interter hazer di contract pri vali be limited fo the animum part by ine affant for fla as whe buever shall be deermed wheved unteas mode the whiling and received by Goudinal within 30 days after complexition the applicable etitial demogras, including voltional finalendan, bueñes is interruptione; lass afters, day loss after complexition at the applicable etitial demogras, including voltional finalenda, bueñes si interruptione; lass at lass, or hous of profils interruptions estivice historicute by Cardinal cardinal cardinal sector fabrin is based noon any of the above sheet revenue or mune.	Phone Result Fax Result: REMARKS:	
ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 EAX (505) 393-2326	Company Name: LICE OPERA TIME	122 N. TAYLOR	City: 人の名氏 Phone #: 34 3 - ダイフレ/ Fax #:	Project #: Project Owner:	N	n. EME JC7 L-19	Jaggin him		1+1(doll-1 facture 11 61 -2 Spt Bettere Long C		a contractor cumuna cumuy and contractor B Mose for negligence and any outer can rullial be llatic for incidental or consequ <u>B out of or fe</u> tated to the performance of	Relinquished BV: JOP DAV MODP CIN Relinquished BV: Date: Re	Delivered By: (Circle One) Time: Sample Condition CHECH Ampler - UPS - Bus - Other: Cool Intack Ampler - Descrete tech Cool Intack

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 7300 MODEL: PGM 7600 MODEL: PGM 7600 MODEL: PGM 7600 SERIAL NO: 590-000183 SERIAL NO: 110-013744 SERIAL NO: 110-12383 SERIAL NO: 110-023920



GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 07-3353	EXPIRATION DATE: 4-12-09
FILL DATE: 10-12-07	METER READING ACCURACY: 98.9
ACCURACY : +/- 2%	· · · · · · · · · · · · · · · · · · ·

SYSTEMJUNCTIONUNITSECTIONTOWN SHIPRANGEEMEL-19-&EOLL1920537E

SAMPLE ID	PID	SAMPLE ID	PID
Backfill	0	5pt Bottom Comp	0
+15 			

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

Jordon Woodf SIGNATUR

DATE: 1-8-09

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

EME JCt. L-19-1 EOL Unit 'L', Sec. 19, T20S, R37E

Backhoe samples at the junction (source)

[Ci] ppm	212	142	179	169	175	196	182	141	198	198	143
Depth bgs (ft)	2	3	4	5	6	7	8	6	10	11	12



