1R-427-255

REPORTS

DATE:



EME (Finley) Ida White Boot

• •



RECEIVED

MAR 2 5 2009 Environmental Bureau Oil Conservation Division

CLOSURE

۰ ۲

.

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

.

١.

SWD SYSTEM TUNCTION UNIT SECTION TOWNHEIMP RANCE COUNTY BOX DWS Deprint Deprint <thdeprint< th=""> Deprint <thdeprint<< th=""><th></th><th></th><th></th><th></th><th></th><th>BOX LOC</th><th></th><th></th><th></th><th></th><th></th></thdeprint<<></thdeprint<>						BOX LOC					
Eurone Monument Eurone Monument (edition) ida White is a fill of the same location k 35 20S 36E Leas Description LAND TYPE: BLM		SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHI	RANGE	COUN	TY BOX D	IMENSIONS - FE	ET
LAND TYPE: BLM STATE FEE LANDOWNER Dale Cooper OTHER Depth to Groundwater 122 reet NMOCD SITE ASSESSMENT RANKING SCORE: 0 Date Started 6/11/2008 Date Completed 7/1/2008 OCD Witness no Soil Excavated 44 cubic yards Excavation Length 10 With 10 Depth 12 feet Soil Excavated 0 cubic yards Offsite Facility n/a Location n/a FINAL ANALYTICAL RESULTS: Sample Date 6/12/2008 Sample Depth 12 ft Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TP1 and Chioride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines. CHLORIDE FIELD TESTS Sample PID (field) GRO DRO Chioride AWALL COMP. 0.0 <10.0		Eunice Monument Eumont (EME)	Ida White	к	35	205	36E	Lea	Lengui To	same location	
LAND TYPE: BLM				I	L	<u> </u>	1	1			
Depth to Groundwater 122 test NMOCD SITE ASSESSMENT RANKING SCORE: 0 Date Started 6/11/2008 Date Completed 7/1/2008 OCD Witness no Soil Excavated 44 cubic yards Excavation Length 10 Width 10 Depth 12 feet Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a FINAL ANALYTICAL RESULTS: sample Date 6/12/2008 sample Depth 12 ft Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chlonde laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines. CHLORIDE FIELD TESTS Sample PID (field) GRO DRO Chlonde general Description of Remedial Action: This junction was addressed during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals Incention 6 556 ivertical low concentrations. Graphic vapors were measured using a PID, which confirmed low concentrations. Representative composite samples were sent to a Incention 10 449 3537 4 ipidede diso		LAND TYPE: E	3LM	STATE	_ FEE LA	NDOWNER	Dal	e Cooper	OTHER		
Date Started 6/11/2008 Date Completed 7/1/2008 OCD Witness no Soil Excavated 44 cubic yards Excavation Length 10 Width 10 Depth 12 feet Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a FINAL ANALYTICAL RESULTS: Sample Date 6/12/2008 Sample Depth 12 ft Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chlonde laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines. CHLORIDE FIELD TESTS Sample PID (field) GRO DRO Chloride general Description of Remedial Action: This junction was addressed during the proteing a 10x10x12-ft-deep excavation. Chloride field tests performed on each sample proteing a 10x10x12-ft-deep excavation. Chloride field tests performed on each sample proteing a 10x10x12-ft-deep excavation. Chloride field tests performed on each sample proteing a 56' below ground surface (BGS'). A 56'' deep shelf was excavated extending 5 ft out from the north, south, east, and west walts to prepare the surface for a clay barrier. At 56'' deep shelf was excavated extending 5 ft out from the north, south, east, and west walts to prepare the surface for a clay barrier. At 56'' deep shelf was excavated extending 5 ft out from the north, south, east, and west walts to prepare the surface for a clay barrier. At 56'' deep		Depth to Grour	ndwater	122	_feet	NMOC	D SITE ASS	SESSME	NT RANKING S	CORE:	0
Soil Excavated44		Date Started	6/11	/2008	Date Co	mpleted	7/1/2008	00	CD Witness	no	<u> </u>
Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a FINAL ANALYTICAL RESULTS: Sample Date 6/12/2008 Sample Depth 12 ft Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines. CHLORIDE FIELD TESTS Sample P10 (field) GR0 DR0 Chloride 4-WAIL COMP 0.0 <10.0		Soil Excavated	44	cubic ya	irds Ex	cavation L	ength <u>10</u>	w	idth <u>10</u>	Depth 12	feet
FINAL ANALYTICAL RESULTS: Sample Date 6/12/2008 Sample Depth 12 ft Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines. CHLORIDE FIELD TESTS <u>Sample Ppm Mg/kg</u> <u>4-WALL COMP.</u> <u>0.0</u> <10.0		Soil Disposed	0	cubic ya	irds Ot	fsite Facility	yn	l/a	Location	n/a	<u> </u>
Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines. CHLORIDE FIELD TESTS	FINA	L ANALYTI	CALRE	SULTS:	Sam	ple Date	6/12/200)8	Sample De	pth1	2 ft
Sample PID (field) GRO DRO Chorder Location mg/kg mg/kg mg/kg mg/kg 4-WALL COMP. 0.0 <10.0	Pro si	cure 5-point co dewalls. TPH a approved lab a	mposite sar and Chloride and testing	nple of bott a laboratory procedures	om and 4-po test results pursuant to	oint compos completed NMOCD gi	site sample c by using an uidelines.	of	CHLOR	IDE FIELD TE	STS
4-WALL COMP. 0.0 <10.0		Sample Location	PID (fil ppm	eld) G n m	iRO g/kg	DRO mg/kg	Chloride mg/kg		LOCATION	DEPTH	mg/kg
BOTTOM COMP. 0.0 <10.0	4-	WALL COMP.	0.0	<	10.0	<10.0	320		4-wall comp.	n/a	373
BACKFILL COMP. 2.6 <10.0 53.2 416 General Description of Remedial Action: This junction was addressed during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 10x10x12-ft-deep excavation. Chloride field tests performed on each sample yielded generally low concentrations. Organic vapors were measured using a PID, which also yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was blended on-site and returned to the excavation up to 5'6" below ground surface (BGS). A 5'6" to 4'6" a 1-ft-thick clay barrier was installed with a clay density test performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former. Enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve KNOWLEDGE AND BELIEF. SITE SUPERVISOR Roy Rascon SIGNATURE Not available COMPANY Rice OPERATING COMPANY REPORT ASSEMBLED BY Katie Jones INITIAL K_j PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Jacuar, Bruce, Roy Masc Jr. DATE 1 - 29 - 09	BC	OTTOM COMP.	0.0	<	10.0	30.8	512		bottom comp.	12'	486
General Description of Remedial Action: This junction was addressed during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 10x10x12-ft-deep excavation. Chloride field tests performed on each sample yielded generally low concentrations. Organic vapors were measured using a PID, which also vielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was blended on-site and returned to the excavation up to 5'6" below ground surface (BGS). A 5'6" deep shelf was excavated extending 5 ft out from the north, south, east, and west walls to prepare the surface for a clay barrier. At 5'6" to 4'6" a 1-ft-thick clay barrier was installed with a clay density test performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former. Image: Provide the surface for a clay barrier. Image: Provide Prov	BA	CKFILL COMP	. 2.6	<	10.0	53.2	416		blended backfill	'n/a	467
General Description of Remedial Action: This junction was addressed during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 10x10x12-ft-deep excavation. Chloride field tests performed on each sample yielded generally low concentrations. Organic vapors were measured using a PID, which also yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was blended on-site and returned to the excavation up to 5'6" below ground surface (BGS). A 5'6" deep shelf was excavated extending 5 ft out from the north, south, east, and west walls to prepare the surface for a clay barrier. At 5'6" to 4'6" a 1-ft-thick clay barrier was installed with a clay density test performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former. Image: HereBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY Rice OPERATING COMPANY REPORT ASSEMBLED BY Katie Jones INITIAL K. PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Jacuary Bruce Baker Jr. SIGNATURE Jacuary Bruce Backer Jr. DATE 1 - 29 - 09										2'	264
pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 10x10x12-ft-deep excavation. Chloride field tests performed on each sample intervent at 5 ft yielded generally low concentrations. Organic vapors were measured using a PID, which 10' also yielded low concentrations. Representative composite samples were sent to a 12' commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was blended on-site and returned to the excavation up to 5'6" below ground surface (BGS). A 5'6" deep shelf was excavated extending 5 ft out from the north, south, east, and west walls to prepare the surface for a clay barrier. At 5'6" to 4'6" a 1-ft-thick clay barrier was installed with a clay density test performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former. enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve KNOWLEDGE AND BELIEF. SITE SUPERVISOR Roy Rascon SIGNATURE NITIAL K) PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Active Backer Mr. DATE 1 - 29 - 09	Gener	al Description	of Remedi	al Action:	This junctio	n was addre	ssed during t	he	vertical	4'	393
investigation was conducted using a backhoe to collect soil samples at regular intervals west of the producing a 10x10x12-ft-deep excavation. Chloride field tests performed on each sample 10' yielded generally low concentrations. Organic vapors were measured using a PID, which 10' also yielded low concentrations. Representative composite samples were sent to a 10' commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was blended on-site and returned to the excavation up to 5'6" below ground surface (BGS). A 5'6" deep shelf was excavated extending 5 ft out from the north, south, east, and west walls to prepare the surface for a clay barrier. At 5'6" to 4'6" a 1-ft-thick clay barrier was installed with a clay density test performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former. enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY REPORT ASSEMBLED BY Katie Jones INITIAL K) DATE 1 - 29 - 09 PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Jacuy Bruce Baker Jr. D	pipeline	e replacement/up	ograde progr	am. After th	e former junc	tion box was	s removed, ar	1	trench at 5 ft	6	556
producing a 10x10x12-ft-deep excavation. Chloride field tests performed on each sample junction yielded generally low concentrations. Organic vapors were measured using a PID, which 10' 489 also yielded low concentrations. Representative composite samples were sent to a 12' 357 commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was blended on-site and 12' 357 east, and west walls to prepare the surface for a clay barrier. At 5'6" to 4'6" a 1-ft-thick clay barrier was installed with a clay density test performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former. enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY ASSEMBLED BY Katie Jones INITIAL K) PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Jarwy Barwy DATE 1 - 29 - 09	investig	jation was condu	icted using a	backhoe to	collect soil s	amples at re	gular interval	s	west of the	8'	534
yielded generally low concentrations. Organic vapors were measured using a PID, which 12' 357 / also yielded low concentrations. Representative composite samples were sent to a 12' 357 / commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was blended on-site and returned to the excavation up to 5'6" below ground surface (BGS). A 5'6" deep shelf was excavated extending 5 ft out from the north, south, east, and west walls to prepare the surface for a clay barrier. At 5'6" to 4'6" a 1-ft-thick clay barrier was installed with a clay density test performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former. enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY REPORT ASSEMBLED BY Katie Jones INITIAL K] PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Year Backer Jr.	produc	ing a 10x10x12-f	t-deep exca	vation. Chlo	ride field test	s performed	on each sam	ple	junction	10'	489
also yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was blended on-site and returned to the excavation up to 5'6" below ground surface (BGS). A 5'6" deep shelf was excavated extending 5 ft out from the north, south, east, and west walls to prepare the surface for a clay barrier. At 5'6" to 4'6" a 1-ft-thick clay barrier was installed with a clay density test performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former. enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY REPORT ASSEMBLED BY Katie Jones INITIAL K PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Jarwy Bruce Backer M. DATE 1-29-09	yielded	generally low co	ncentrations	. Organic v	apors were n	neasured usi	ng a PID, whi	ich	(source)	12'	357 /
commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations. The excavated soil was blended on-site and returned to the excavation up to 5'6" below ground surface (BGS). A 5'6" deep shelf was excavated extending 5 ft out from the north, south, east, and west walls to prepare the surface for a clay barrier. At 5'6" to 4'6" a 1-ft-thick clay barrier was installed with a clay density test performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former. enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve to the SUPERVISOR Roy Rascon SIGNATURE not available SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY REPORT ASSEMBLED BY Katie Jones INITIAL KJ PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Jarry Bruce Baker Jr. SIGNATURE Date 1 - 29 - 09	also yie	elded low concer	trations. Re	presentative	composite s	amples were	e sent to a				<u> </u>
returned to the excavation up to 5'6" below ground surface (BGS). A 5'6" deep shelf was excavated extending 5 ft out from the north, south, east, and west walls to prepare the surface for a clay barrier. At 5'6" to 4'6" a 1-ft-thick clay barrier was installed with a clay density test performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former. enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve inclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve KNOWLEDGE AND BELIEF. SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY REPORT ASSEMBLED BY Katie Jones INITIAL KJ PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE SignATURE Barrier Ba	comme	rcial laboratory f	or analysis o	f chloride ar	d TPH, whic	h confirmed	low concentra	ations. T	ne excavated soil	was blended or	n-site and
east, and west walls to prepare the surface for a clay barrier. At 5'6" to 4'6" a 1-ft-thick clay barrier was installed with a clay density test performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former. enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY REPORT ASSEMBLED BY Katie Jones INITIAL KJ PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Jacky Bruce Bacher M. DATE 1-29-09	returne	d to the excavati	on up to 5'6'	below grou	nd surface (E	BGS). A 5'6"	deep shelf w	as excav	ated extending 5	ft out from the r	orth, south,
performed on 7/1/2008. The excavation was then backfilled and a new, watertight junction box was built in place of the former. enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY REPORT ASSEMBLED BY Katie Jones INITIAL K Kory Bruce Baker Jr. SIGNATURE James Backer Jr.	east, a	nd west walls to	prepare the	surface for a	clay barrier.	At 5'6" to 4'	6" a 1-ft-thick	clay barr	ier was installed	with a clay dens	ity test
enclosures: photos, lab results, PID (field) screenings, cross-section, clay test, chloride curve I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY REPORT ASSEMBLED BY Katie Jones INITIAL Katie Jones INITIAL COMPANY DATE 1 - 29 - 09	perform	ned on 7/1/2008.	The excava	tion was the	n backfilled a	and a new, v	vatertight junc	tion box	was built in place	of the former.	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. SITE SUPERVISOR <u>Roy Rascon</u> SIGNATURE <u>not available</u> COMPANY <u>RICE OPERATING COMPANY</u> REPORT ASSEMBLED BY <u>Katie Jones</u> INITIAL <u>K</u> PROJECT LEADER <u>Larry Bruce Baker Jr.</u> SIGNATURE <u>Janny Bruce Bacher M.</u> DATE <u>1-29-09</u>					enclosures: p	photos, lab r	esults, PID (fi	eld) scree	enings, cross-sec	tion, clay test, c	hloride curve
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY REPORT ASSEMBLED BY Katie Jones INITIAL K) PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Jacomy Racher Jm. DATE 1 - 29 - 09									· · · · · · · · · · · · · · · · · · ·		
SITE SUPERVISOR <u>Roy Rascon</u> SIGNATURE <u>not available</u> COMPANY <u>RICE OPERATING COMPANY</u> REPORT ASSEMBLED BY <u>Katie Jones</u> INITIAL <u>K</u> PROJECT LEADER <u>Larry Bruce Baker Jr.</u> SIGNATURE <u>Janny Bruce Bacher M.</u> DATE <u>1-29-09</u>		I HEREBY	CERTIFY T	HAT THE I					IPLETE TO THE	E BEST OF MY	,
REPORT ASSEMBLED BY <u>Katie Jones</u> INITIAL <u>K</u> PROJECT LEADER <u>Larry Bruce Baker Jr.</u> SIGNATURE <u>Janue Bruce Bacher M.</u> DATE <u>1-29-09</u>	SITE SU		Roy Rasco	onSIC			not available		COMPANY	RICE OPERATIN	IG COMPANY
PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Bacher M. DATE 1-29-09	RI ASS	EPORT EMBLED BY	Katie Jone	S	INITIAL	KJ					
N N	PROJE		arry Bruce Ba	ker Jr. SIC		Lany	Bruce Ba	her pr	, DATE	1-29-	09

EME Ida White boot



undisturbed junction box

8/15/2007



Unit K, Section 35, T20S, R36E







ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: ROY R. RASCON 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (575) 397-1471

Receiving Date: 06/12/08 Reporting Date: 06/13/08 Project Owner: NOT GIVEN Project Name: EME IDA WHITE BOOT Project Location: NOT GIVEN Sampling Date: 06/12/08 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: CK Analyzed By: CK/KS

			GRO	DRO		
			(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	ÇI*	
	LAB NUMBER	SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)	
	ANALYSIS DA	ATE	06/13/08	06/13/08	06/13/08	
	H14977-1	SOURCE 5PT. BOTTOM COMP.	<10.0	30.8	512	
[H14977-2	4 WALL COMPOSITE	<10.0	<10.0	320	,
	H14977-3	BLENDED BACKFILL	<10.0	53.2	416	
Γ	Quality Contro		569	584	500	
-	True Value QC	0	500	500	500	
	% Recovery	-	114	117	100	
	Relative Perce	ent Difference	2,6	4.9	2.0	_
	and a second sec					

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

Chemist

06/16/07

H14977TCL 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 pold 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 services. 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 herounder 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 Labiatories.

-OF-CUSTODY AND ANALYSIS REQUEST	AMALYSIS REGUEST)							TPH BISM IBH	A Indoc. CI	2:30pm · V V	terns and Consident: Intrest will be franged on all account mise that	ט מוזיל קאו משייר אווא ואר בו בולא אין וביו איש אווי איש אווי איש אווי איש אווי איש איש איש איש איש איש איש אי אהם און כטאוא מרמאופרואאז, איפו שמור ביו איפא איפא	NIORE REBUIL: D Yes D NO ex Rebuil: D Yes D NO Etel.ARKS:	JPUPVIS @ rice swal com	
CHAIN 14, Hobba, NM 88240	BILLE BILLE	P.O. #:	Company:	Atta:	Addreas:	G(ty:	Štato: Zlp:	Phone #:	Fax #:	TRIX PRESERV. SAMPLIN	л. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	80-61-01 1	20-01-9 V	t, that be immiged to the annound bad by the citent for the	ule varia de 14 a-17 a frez construitad er liba skyskettie te a frankte kranter de traktet te a frankter skrater de anteres om efteruitet		sition of the second se	ondition Indici7 By: The [(Initials) [: DM
ORIES, INC. d, Abliene, TX 79503 - 101 East Marian 1 Fax (325) 673-7020 - (505) 393-7375	1 0 0			States 1) IN ZIP: 5 6 3 'I D	Fax #: 397 - 1471	Projact Owner:	छन्म			MAT NAT	C. C	Corp		NY FETT-LAY SET A 14 STORES A MARINE SASED IN CONTENT OF ONE	ನ ಸಂತು ರಂತ ವಾರ್ತಿನಿಂದ ಸುಮಾರ ಬೇಕಾಂತ ನಡುವು 23 ಸಚಿವು 23 ಸಚಿವ ಸಾಧಿಸಿದೆ. 1. ಗಾಮಿನಲ್ಲಿ ನಿರ್ದೇಶದ ತೆಗೆಯಿಂದ್ರ ಹಿಲ್ಲಿಸಿರುವ ಕೇವಗೊಳ್ಳವಿ ಕೇವಗೊಳ್ಳಿದೆ. 2. ಕೇವಗಳಿಗಳು ಕೇವಗಳಿಗಳು 11 ಸಂಪಂಕ ಸುಮಾರ್ಗಳನ್ನು ಸುಮಾರ ಸಿಕ್ಕಿಗಳು 15 ಕಿತಾರಿಸಿ ಸಂಪಂಕಿಯಾಗಿ	Date: Racelved By: Thine:	Date 12/03 Received By: (Lab	Sample Contraction
ARDINAL LABORATC	W Hame: N.C. B. B. A. M. ELV.	Managor: R.D. F. M. L. C. O. I. S.	elsie un Terricok	42,1	: <u>3413, -41114</u>		HAME LEME IDA White	Location:	r)(ast)a:	0.85.051.0	LD. Sample LD	177-1 Soule SA Rotton	-2 RISH Composit	The second second second second second second second second	নমান প্ৰথম প্ৰথম প্ৰথম হয়। সি প্ৰথমিক মান প্ৰথম বিষয়া প্ৰথম প্ৰথমৰ প্ৰথমেন স্থায় স্থায় সময় স্থায় স্থায় স মানজ প্ৰথম প্ৰথম প্ৰথম প্ৰথম স্থায় স্থায স্থায় স্থায় কাৰ্বিয়া স্থায় স্থায় স্থায় প্ৰথম প্ৰথম স্থায় স্থায় স্থায় স্থায় স্থায় স্থায় স্থায় স্থায	r Railinguishad: 	Ished By: N. Mey	red Ey: (Circle One) r - UFS - Bus - Cither:

ł

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 7600 MODEL: PGM 7600 MODEL: PGM 7600 MODEL: PGM 7600 SERIAL NO: 110-013676 SERIAL NO: 110-013744 SERIAL NO: 110-1239a.0 SERIAL NO: 110-012920



GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 073353	EXPIRATION DATE: $4 - 4 - 09$
FILL DATE: 4-4-07	METER READING ACCURACY: 101 PPM

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	IDA WHITE BOT	K	35	205	366

r star star star star st

SAMPLE ID	PID	SAMPLE 1D	PID
		¢ .	
Spt Bottom Comp	0.0		
west wall	0.0		
NORTH WAIL	0.0		
EAST WAL	0.0		
South wall	0.0		
4 wall compositi	0.0		
RACK GTO UND	0.0		
BIENDED BACKEZI	3.6		
·			

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

SIGNATUE: Daniel My te heer

DATE: 6-12.08



Excavation Cross-Section

 \mathcal{O}



30 ft

PROTIGRED SHOL	LABORATORY TE PETTIGREW & ASS 1110 N. GR HOBBS, NM (505) 393-9	ST REPORT SOCIATES, . IMES 88240 1827		Arshto Ris DEBRA P. HICKS, P.E./L.S.I. WILLIAM M. HICKS. III, P.E./P.S.
То:	Rice Operating Company Attn: Hack Conder	Material:	Wallach Red Clay	
	122 W. Taylor Hobbs, NM 88240	Test Method:	ASTM: D 2	2922
Project:	General Information EME Finley IDA White Boot Project No. 2008.1069	ÐY		
Date of Test:	July 1, 2008	Depth:	See Below	,
		Depth of Probe	e: 6"	
Test No.	Location	Dry Density % Max	% Moisture	Depth
SG 6	Center of Pit - 10' W. & 10' N. of SE Corner	99.3	12.8	FSG

SG 6

DECEWED

.## 2.1.2008 RICE OFERATING HOBBS, NM

Control Density:	102.8 ASTM: D 698	Optimum Moisture:	22.6%
Required Compactio	n: 95%	Densometer ID:	815 TTIGREW & ASSOCIATES

Lab No .: 08 6157-6158

Copies To: **Rice Operating**

BY: <u>Elicandent</u> BY: <u>Delin P. Har</u>

P.E.

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

EME Ida White boot Unit 'K', Sec. 35, T20S, R36E

Backhoe samples at 5 ft west of the junction (source)

80 - i				_		
[CI] ppm	264	393	556	534	489	357
Depth bgs (ft)	2	4	6	8	10	12



Groundwater = 122 ft