

1R - 427-337

REPORTS

DATE:

3-17-11

1R427-337

EME Jct. C-10

2010

RECEIVED

APR - 1 2011

Oil Conservation Division
1220 S. St. Francis St.
Santa Fe, NM 87501

CLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	Jct C-10	C	10	21S	36E	Lea	Length	Width	Depth
							Eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Millard Deck OTHER _____

Depth to Groundwater 200 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20*

Date Started 9/13/2010 Date Completed 11/4/2010 OCD Witness no

Soil Excavated 266.7 cubic yards Excavation Length 30 Width 20 Depth 12 feet

Soil Disposed 324 cubic yards Offsite Facility Sundance Services Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 10/6/2010 Sample Depth 12'

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.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	32.1	<10.0	<10.0	1,200
BOTTOM COMP.	34.9	<10.0	<10.0	400
BACKFILL COMP.	3.1	<10.0	<10.0	1,310

CHLORIDE FIELD TESTS		
LOCATION	DEPTH	mg/kg
4-wall comp.	N/A	794
bottom comp.	12'	903
backfill comp.	N/A	772
background	6"	110
vertical delineation trench 15 ft. south of former junction (source)	2'	604
	4'	677
	6'	497
	8'	423
	10'	310
	12'	238

General Description of Remedial Action: This junction and line were eliminated

during the pipeline replacement/upgrade program. After the junction box was removed,

an investigation was conducted using a backhoe to collect soil samples at regular

intervals creating a 30X20X12-ft. deep excavation. Chloride field test performed on

each sample yielded chloride concentrations that did generally relent with depth. The

excavated soil was blended on site and representative samples were collected from

the blended backfill, the bottom of the excavation, and the excavation walls. The

representative samples were taken to a commercial laboratory for analysis of chloride and TPH. The entire blended backfill was hauled

to an NMOCD approved facility. At 12 ft. below ground surface (BGS) a 20 ml plastic liner was installed with a six inch pad of blow sand

below and above liner. The remaining excavation was backfill with clean imported soil to ground surface and contoured to the

surrounding area. On 11/04/2010, the site was seeded with a blend of native vegetation and is expected to return to a productive

capacity at a normal rate.

* housing and windmill approximately 1,258 ft. west

enclosures: photos, lab results, PID (field) screenings, cross-section, chloride curve

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY
KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Robert Egans SIGNATURE *Robert Egans* COMPANY RICE OPERATING COMPANY

REPORT
ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LBB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE *Larry Bruce Baker Jr.* DATE 3-17-11

EME JCT. C-10



Site Prior to delineation

9/13/2010

Unit C, Section 10, T21S, R36E



Installing 6" pad below liner

11/02/2010



Plastic liner installed

11/02/2010



Seeding excavation

11/04/2010

**Analytical Results For:**

Rice Operating Company
Bruce Baker
112 W. Taylor
Hobbs NM, 88240
Fax To: (575) 397-1471

Received: 10/06/2010
Reported: 10/14/2010
Project Name: EMEJCT C-10 (21/36)
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/06/2010
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 5 PT. BOTTOM COMP @12' (H020999-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	10/08/2010	ND	432	108	400	3.77		
TPH 8015M		mg/kg		Analyzed By: AB						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/14/2010	ND	199	99.4	200	2.11		
DRO >C10-C28	<10.0	10.0	10/14/2010	ND	211	105	200	9.38		
Surrogate: 1-Chlorooctane		115 %	70-130							
Surrogate: 1-Chlorooctadecane		134 %	70-130							

Sample ID: 4 WALL COMP @ 20' X 30' (H020999-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	10/08/2010	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2010	ND	199	99.4	200	2.11	
DRO >C10-C28	<10.0	10.0	10/14/2010	ND	211	105	200	9.38	
Surrogate: 1-Chlorooctane		107 %	70-130						
Surrogate: 1-Chlorooctadecane		123 %	70-130						

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Rice Operating Company
 Bruce Baker
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

 Received: 10/06/2010
 Reported: 10/14/2010
 Project Name: EME JCT C-10 (21/36)
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 10/06/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BLENDED BACKFILL (H020999-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	10/08/2010	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: AB					
S-04									

GRO C6-C10	<10.0	10.0	10/14/2010	ND	199	99.4	200	2.11	
DRO >C10-C28	<10.0	10.0	10/14/2010	ND	211	105	200	9.38	

Surrogate: 1-Chlorooctane 116 % 70-130

Surrogate: 1-Chlorooctadecane 131 % 70-130

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Nice Operating Company</u>		P.O. #:	
Project Manager: <u>Bruce Baker</u>		Company:	
Address: <u>122 W. Taylor</u>		City:	
City: <u>18665</u>		State: <u>NM</u> Zip: <u>88340</u>	
Phone #: <u>575-393-9174</u> Fax #: <u>575-397-1471</u>		Address:	
Project #:		City:	
Project Name:		State: Zip:	
Project Location: <u>Elle Octole (21-36)</u>		Phone #:	
Sample Name: <u>215 Harris</u>		Fax #:	
FOR LAB USE ONLY		PRESERV. SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	
		# CONTAINERS	
1224981 2 4611 (Comp) - 32730 3 Shaded Rock Hill	1 1 1	GROUNDWATER	
		WASTEWATER	
		SOIL	
		OIL	
		SLUDGE	
		OTHER:	
		ACID/BASE:	
		ICE / COOL	
		OTHER:	
		DATE	
TIME			
REMARKS: <u>TPH 8015 M</u> <u>CL</u>		ANALYSIS REQUEST	

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RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
 PHONE: (575) 393-9174 FAX: (575) 397-1471
 PID METER CALIBRATION & FIELD REPORT FORM

Check Model Number:

<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Model: PGM 7300 Serial No: 590-000183
 Model: PGM 7300 Serial No: 590-000508
 Model: PGM 7300 Serial No: 590-000504

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Model: PGM 7600 Serial No: 110-023920
 Model: PGM 7600 Serial No: 110-013744
 Model: PGM 7600 Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 925621	EXPIRATION DATE: 9-27-2012
FILL DATE:	METER READING ACCURACY: 100

ACCURACY: +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	C-10	C	10	21	36

SAMPLE ID	PID	SAMPLE ID	PID
5pT Bottom Comp@12'	34.9		
4 Wall Composite	32.1		
Blended Back Fill	3.1		

COPY

I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE:

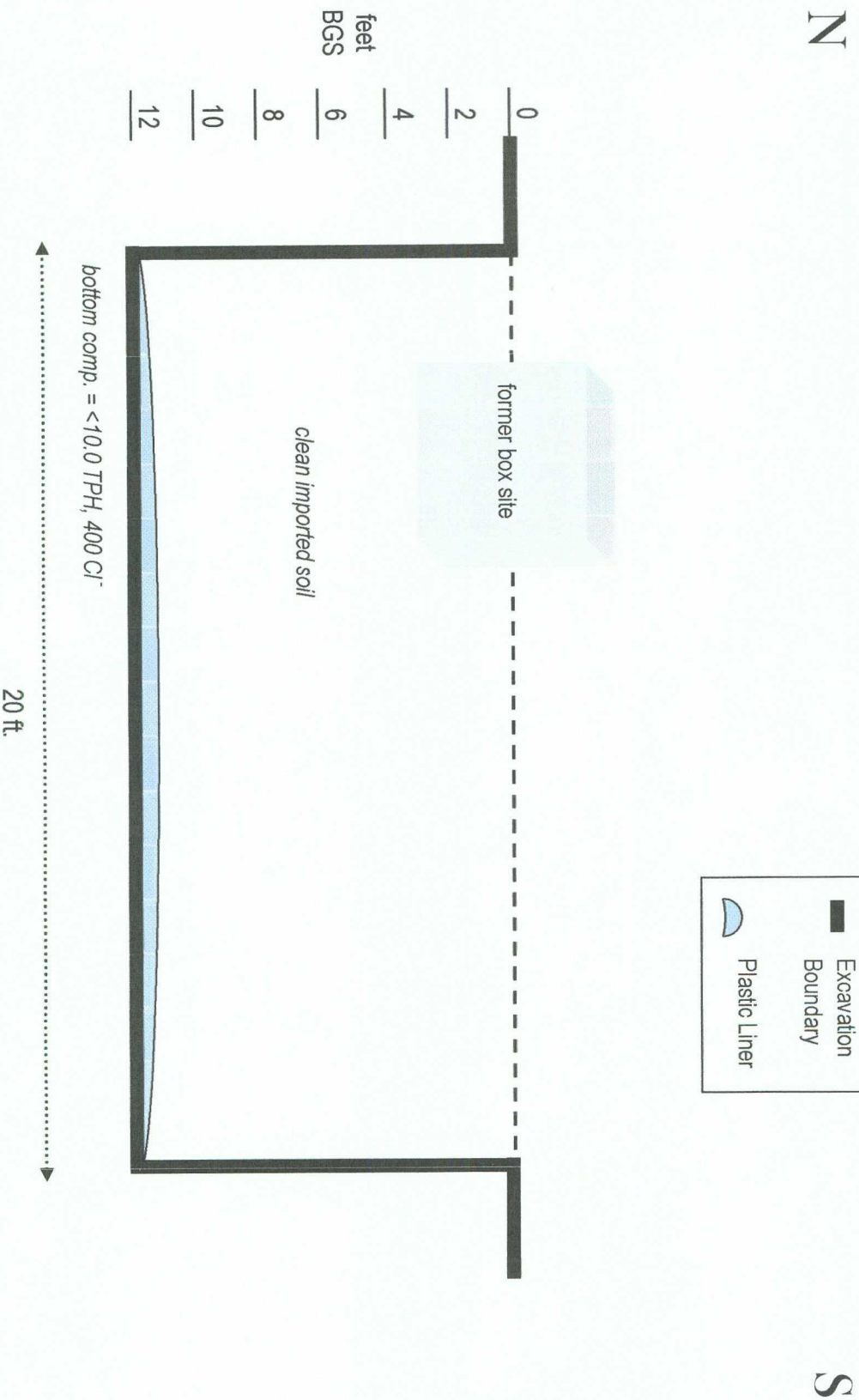
Robert [Signature]

DATE:

9-24-2010

EME Jct. C-10
Unit 'C', Sec. 10, T21S, R36E

Excavation Cross-Section



CHLORIDE CONCENTRATION CURVE

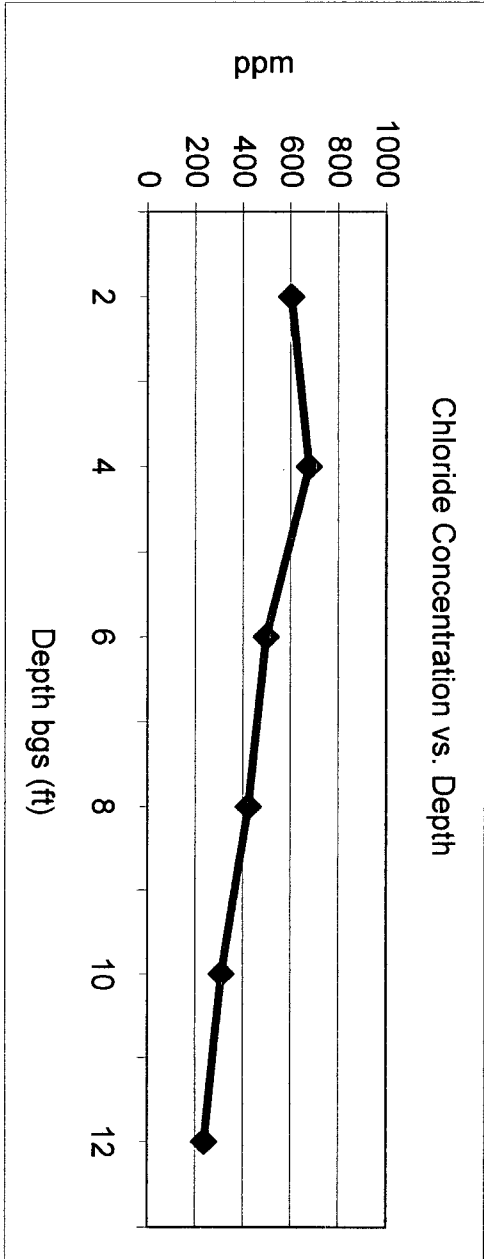
RICE Operating Company

EME Jct. C-10

Unit C, Sec. 10 T21S, R36E

Backhoe samples 15 ft. south of the junction (source)

Depth bgs (ft)	[Cl] ppm
2	604
4	677
6	497
8	423
10	310
12	238



Groundwater = 200 ft.