

1R - 427-312

REPORTS

DATE:

3-25-10

**EME Jct I-1-2 Boot
2009**

1R427-312

RECEIVED

APR - 6 2010

Environmental Bureau
Oil Conservation Division

CLOSURE

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

RECEIVED

APP - 6 2010

BOX LOCATION							Environmental Bureau		
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Eunice Monument Eumont (EME)	Jct. I-1-2 boot	I	1	20S	36E	Lea	Length	Width	Depth
							eliminated		

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 32 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 10/23/2006 Date Completed 11/20/2006 OCD Witness no

Soil Excavated 400.0 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: Sample Date 10/31/2006, 11/01/2006 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 Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.4	<10.0	<10.0	432
BOTTOM COMP.	0.7	<10.0	<10.0	1392
BACKFILL COMP.	0.6	<10.0	<10.0	416

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	584
bottom comp.	12'	1245
backfill comp.	n/a	615
background	6"	393
vertical delineation trench at 15' west of the source	1'	292
	2'	411
	3'	442
	4'	290
	5'	436
	6'	843
	7'	780
	8'	629
	9'	495
	10'	407
11'	435	
12'	396	

General Description of Remedial Action: This junction was eliminated during the pipeline replacement/upgrade program. An investigation was conducted at the former junction box site using a backhoe to collect soil samples at regular intervals producing a 30x30x12-ft-deep excavation. Chloride field tests were performed on each sample which yielded generally low concentrations. Organic vapors, measured using a PID, yielded low concentrations. Representative composite samples were collected from the excavated soil, the excavation walls, and the bottom of the excavation. The representative composite samples sent to a commercial laboratory for analysis of chloride and TPH. The excavated soil was returned to the excavation up to 6 ft below ground surface (BGS). At 6-5 ft BGS, a clay barrier was installed. The remaining soil was returned to the excavation to ground surface and contoured to the surrounding area. On 11/20/2006, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. This junction box was then encompassed in the EME I-1 SWD major project (1R336) which received termination through NMOCD on 3/11/2009.

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 Noel Carmona SIGNATURE [Signature] COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE [Signature] DATE 3-25-10

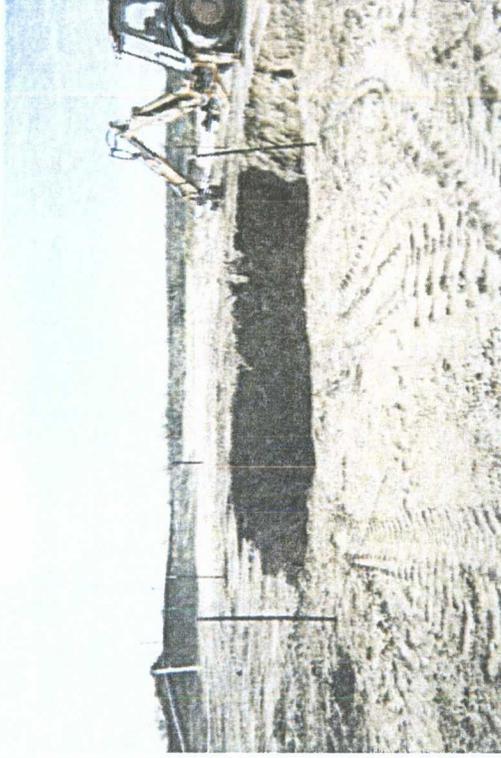
EME Jct I-1-2 boot

Unit I, Section 1, T20S, R36E



collecting a soil sample

10/31/2006



excavation at the former junction box site

11/14/2006



installing the clay barrier

11/15/2006



seeding the backfilled site

11/20/2006

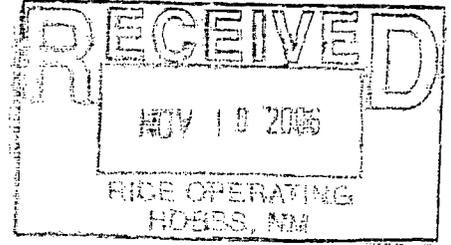


**ARDINAL
LABORATORIES**

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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: (505) 397-1471



Receiving Date: 11/01/06
Reporting Date: 11/08/06
Project Number: EME JCT. I-1-2 BOOT
Project Name: NONE GIVEN
Project Location: NOT GIVEN

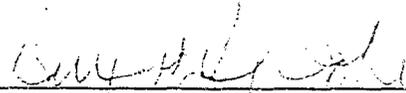
Sampling Date: 10/31/06 & 11/01/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC/HIM

COPIES

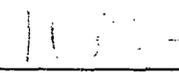
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
	ANALYSIS DATE	11/07/06	11/07/06	11/02/06
H11750-1	BTTM. FIELD COMP. @12'	<10.0	<10.0	1392
H11750-2	4 WALL COMP. 30'x30'	<10.0	<10.0	432
H11750-3	BACKFILL COMP	<10.0	<10.0	416
	Quality Control	767	778	500
	True Value QC	800	800	500
	% Recovery	95.8	97.2	100
	Relative Percent Difference	2.0	6.0	0.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl*: Std. Methods 4500-Cl*B

*Analyses performed on 1:4 w:v aqueous extracts.



Chemist



Date

H11750

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
Phone: (505) 393-9174 Fax: (505) 397-1471

VOC FIELD TEST REPORT FORM

PID METER READING & CALIBRATION

CK.
MODEL
NO.

✓

MODEL: PGM 761S
MODEL: PGM 761S
MODEL: PGM 7600
MODEL: PGM 7600

SERIAL NO: 104412
SERIAL NO: 104490
SERIAL NO: 110-12383
SERIAL NO: 110-012920

LOT NO: 06-3079
FILL DATE: 7-28-06
ACCURACY: +/- 2%

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE
EXP. DATE: 1-28-08
METER READING ACCURACY: 100

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	Jct. I-1-2	I	1	20	36

SAMPLE	PID Results	Sample	PID Results
<i>Bottom</i>		<i>South Wall</i>	
1	1.9	1	0.1
2	0.1	2	1.5
3	2.9	3	10.2
4	1.0	4	0.2
5	0.3	5	0.2
<i>Bottom 5pt. Comp.</i>	0.7	<i>South wall comp.</i>	0.4
NORTH WALL			
1	0.0		
2	0.0		
3	0.0		
4	0.0		
5	0.0		
<i>North wall comp.</i>	0.0		

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

SIGNATURE: 

DATE: 10-31-06

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 type="checkbox"/>	Model: PGM 761S	Serial No: 104412
<input type="checkbox"/>	Model: PGM 761S	Serial No: 104490
<input checked="" type="checkbox"/>	Model: PGM 7600	Serial No: 110-12383

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 06-3079	EXPIRATION DATE: 1-28-08
FILL DATE: 7-28-06	METER READING ACCURACY: 100 ppm

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	I-1-2	I	1	20	36

SAMPLE ID	PID	SAMPLE ID	PID
East wall	1 0.0	4 wall Comp	0.4
	2 0.0	Back fill	0.6
	3 0.0		
	4 0.0		
	5 0.0		
East wall Comp	0.0		
West wall			
	1 0.0		
	2 0.3		
	3 0.1		
	4 0.2		
	5 0.3		

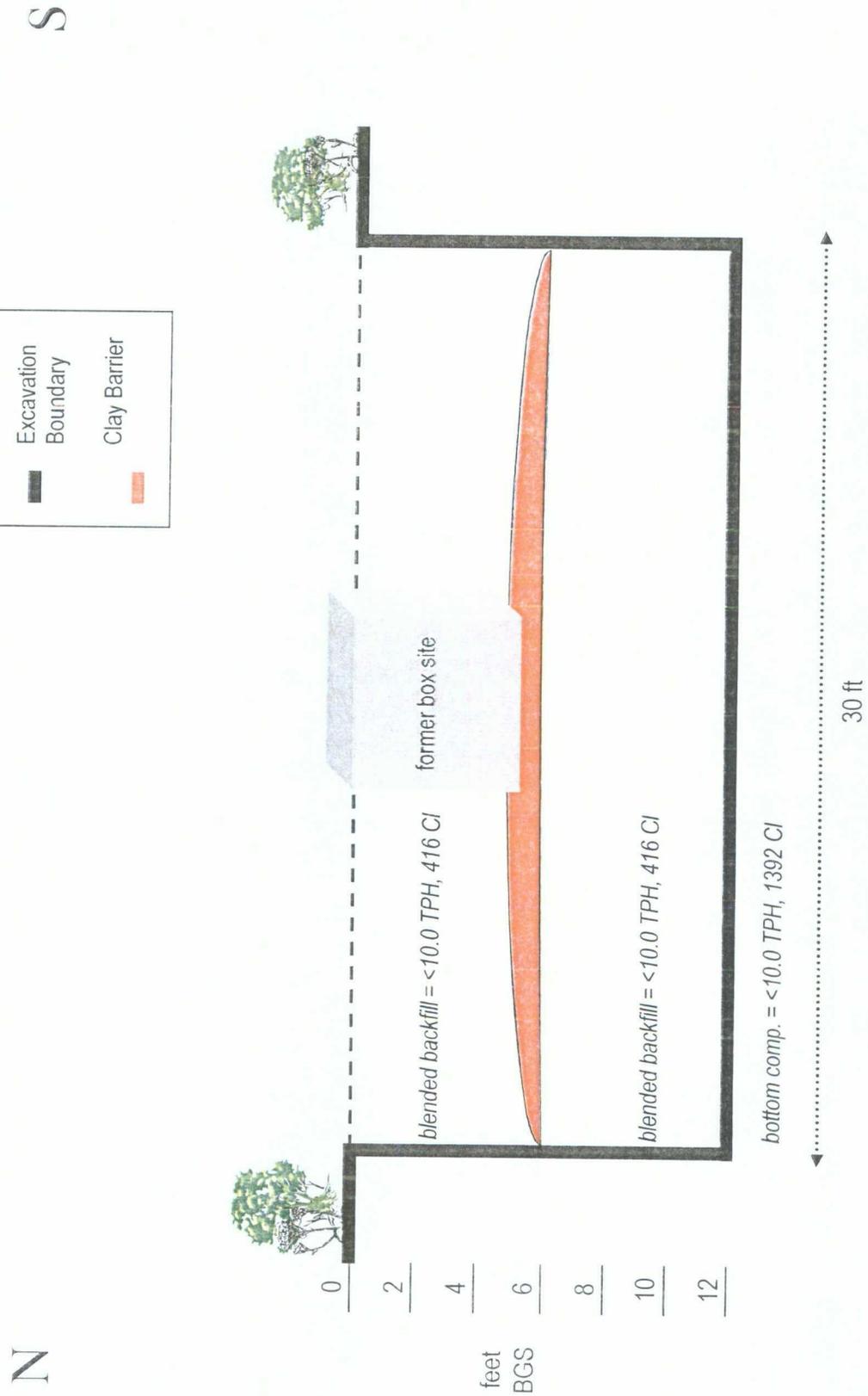
I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

Signature:

DATE: 11-1-06

EME Jct. I-1-2 boot
Unit 'I', Sec. 1, T20S, R36E

Excavation Cross-Section



CHLORIDE CONCENTRATION CURVE

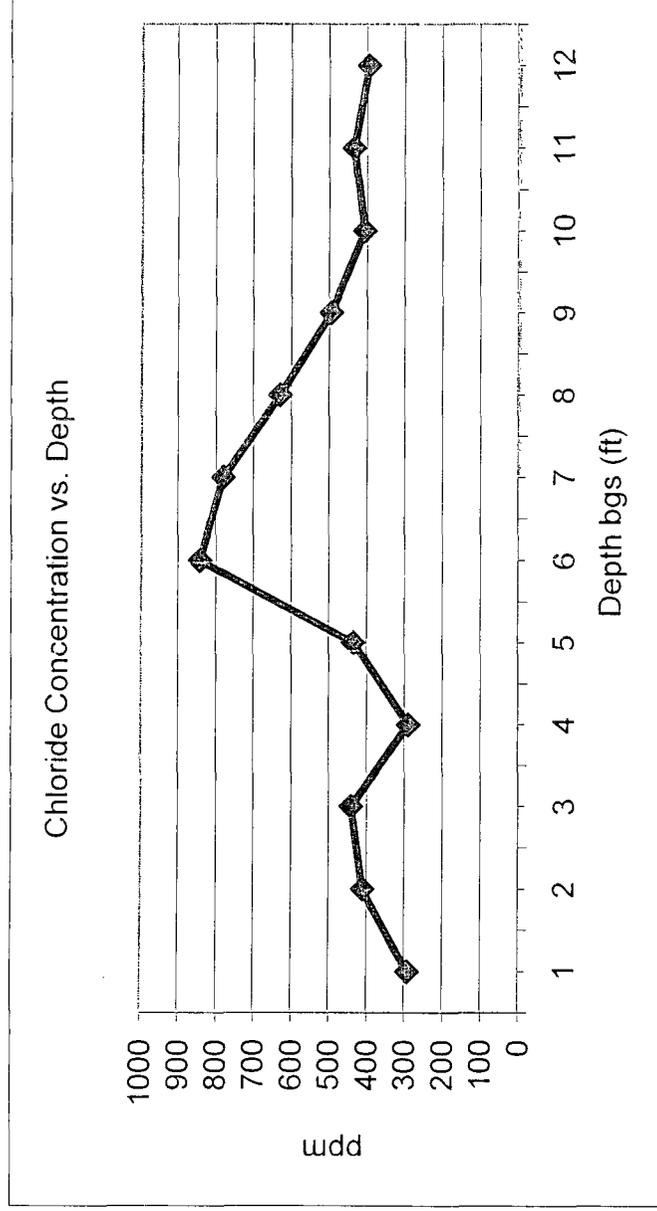
RICE Operating Company

EME Jct. I-1-2 Boot

Unit 'I', Sec. 1, T20S, R36E

Backhoe samples at 15 ft west of the junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
1	292
2	411
3	442
4	290
5	436
6	843
7	780
8	629
9	495
10	407
11	435
12	396



Groundwater = 32 ft