

1R - 427 - 32

REPORTS

DATE:

2-3-2004

EME 0-25

1R0427-32

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
EME	O-25	O	25	19S	36E	Lea	Length	Width	Depth
							8	6	6

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

Depth to Groundwater none feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 1/13/2004 Date Completed 1/13/2004 OCD Witness No

Soil Excavated soil bore cubic yards Excavation Length n/a Width n/a Depth 20 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 1/13/2004 Sample Depth Soil Bore 10 & 15 ft

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
10 ft	179.0	75.6	707	XXX
15 ft	26.3	<10.0	21.1	176

TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

GENERAL DESCRIPTION OF REMEDIAL ACTION: Since the new junction box was

already built over the old junction box site, a soil bore was initiated to investigate

the vertical extent of impact at the site. Chloride concentrations were found to

be minimal but PID readings indicated the presence of volatile compounds.

Hydrocarbon product was encountered at 14-16 ft BGS. Although, moisture

was present in the 10-20 ft samples, a water-bearing zone was not encountered.

At 19 ft, redbed clay was met and the drilling was ceased. 10 and 15 ft samples

were taken to a laboratory for analysis. Because there were no significant

indications of a water-bearing zone during this soil bore, ROC concludes that

there is no groundwater at this location. A bentonite seal was placed in the

bore hole at 10-20 ft and the remainder of the hole was backfilled with cuttings

to the surface.

enclosures: photos, lab results, bore log

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Soil Bore	10	164
	15	140

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

DATE 2/3/2004

PRINTED NAME Kristin Farris

SIGNATURE Kristin Farris

TITLE Project Scientist

EME jct. O-25



Undisturbed Junction Box

8/22/2003



New Plumbing

12/18/2003



Delineation Drilling

1/13/2004



New Junction Box (after soil bore)

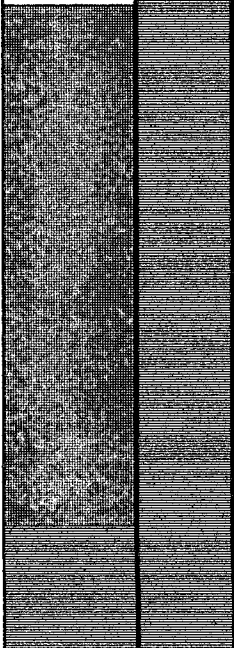
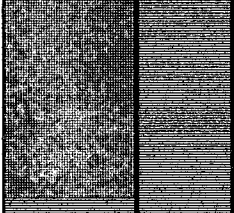
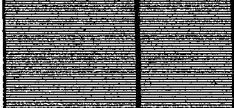
2/3/2004

BORING LOG

Kristin Farris

RICE Operating Company

Logger:	Joe Gatts; Mort Bates		Client:	RICE Operating Company		Well ID:
Driller:	Atkins Engineering Associates, Inc.		RICE Operating Company		SB-1	
Drilling Method:	Hollow Stem Auger		Project Name:			
Start Date:	1/13/2004		jct. O-25			
End Date:	1/13/2004		Location:			
Notes:	TD = 20 ft; Encountered Redbed clay at 19 ft, no groundwater		EME SWD System Sec. 25, T19S, R36E Lea County, NM			

Depth (feet)	Split Spoon		Description	Lithology	Additional Notes
	chloride	PID			
0.0			Poorly Graded Sand: soft, reddish tan, dry		
1.0					
2.0					
3.0					
4.0					
5.0					
6.0					
7.0					
8.0					
9.0			Caliche: firm, light tan, dry		lab = 782.6 ppm TPH
10.0	164	179			
11.0			Clayey Sand with Caliche: firm, reddish brown, damp		lab = 176 ppm cl ⁻ lab = 21.1 ppm TPH
12.0					
13.0					
14.0	product on sample				
15.0	140	26.3			
16.0			Clayey Sand: firm, reddish brown, moist		
17.0					
18.0					
19.0			Fat Clay: stiff, red, moist		
20.0					

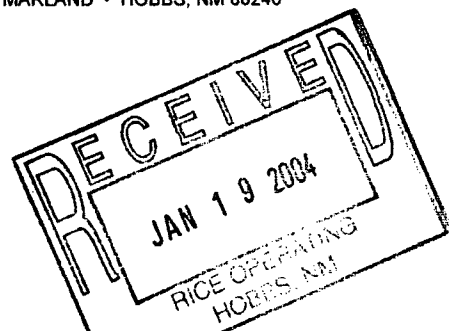
Bentonite Seal 10-20 ft



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: JOE GATTS
122 W. TAYLOR
HOBBS, NM 99240
FAX TO: (505) 397-1471**



Receiving Date: 01/14/04
Reporting Date: 01/15/04
Project Number: NOT GIVEN
Project Name: O-25
Project Location: EME

Sampling Date: 01/13/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO	DRO
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)
ANALYSIS DATE:		01/14/04	01/14/04
H8360-1	SOIL BORE 10' BGS	75.6	707
Quality Control		773	736
True Value QC		800	800
% Recovery		96.6	92.0
Relative Percent Difference		6.2	5.0

METHOD: SW-846 8015 M

Bryan J. Cook
Chemist

1/14/04
Date

H8360.XLS

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

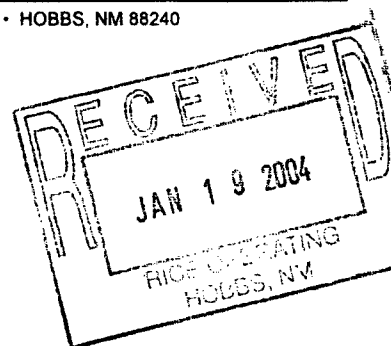
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ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS
122 W. TAYLOR
HOBBS, NM 99240
FAX TO: (505) 397-1471

Receiving Date: 01/14/04
Reporting Date: 01/15/04
Project Number: NOT GIVEN
Project Name: O-25
Project Location: EME

Sampling Date: 01/13/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
		01/14/04	01/14/04	01/15/04
H8361-1	SOIL BORE 15' BGS	<10.0	21.1	176
Quality Control		773	736	980
True Value QC		800	800	1000
% Recovery		96.6	92.0	98.0
Relative Percent Difference		6.2	5.0	3.0

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

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

Chemist

Date

1/15/04

H8361.XLS

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BILL TO										ANALYSIS REQUEST									
Company Name: RICE OPERATING Project Manager: Kristin Farfitt Address: 122 W Taylor City: Hobbs State: NM Zip: 88240 Phone #: 393-9174 Fax #: 397-1471 Project Owner: Project Name: 0-25 Project Location: FME Implementer Name: T. Gattis										P.O. #: Company: RICE Attn: Address: City: State: Zip: Phone #: Fax #:									
Lab I.D. Sample I.D. NG86-H Soil Bore 15' bgs										Matrix (G) RAB OR (C) OMP: 61 # CONTAINERS: GROUNDWATER WASTEWATER SOIL CRUDE OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:									
										Preserv DATE: 11/30/10 TIME: 1000 X									
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										Received By: Date: 11/4/03 Time: 230 Date: Time:									
										Received By: (Lab Staff) Date: Time:									
										Delivered By: (Circle One) Driver - UPS - Bus - Other:									
										Checked By: (Initials)									
										Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:									
										REMARKS: Fax to RICE									
										Lab I.D. NG86-H Soil Bore 15' bgs									
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.