

1R - 427 - 33

REPORTS

DATE:

12-31-2003

EME J.H. Day EOL

1R0427-33

**FINAL
REPORT**

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	J. H. Day EOL	K	6	22S	36E	Lea	moved to southeast side of battery		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ W. T. Tivis, Jr. _____ OTHER _____

Depth to Groundwater _____ 180 _____ feet NMOCD SITE ASSESSMENT RANKING SCORE: _____ 20 * _____

Date Started _____ 12/4/2003 _____ Date Completed _____ 12/16/2003 _____ OCD Witness _____ No _____

Soil Excavated _____ 37 _____ cubic yards Excavation Length _____ 20 ** _____ Width _____ 10 _____ Depth _____ 4-7 _____ feet

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

FINAL ANALYTICAL RESULTS: Sample Date _____ 12/4/2003 _____ Sample Depth _____ 7 ft bgs _____

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chloride mg/kg
Vertical grab @ 7 ft	No BTEX sample was taken				<10.0	<10.0	208

General Description of Remedial Action: This EOL box is located just outside the north fence of a production battery. Vertical and lateral delineation with a backhoe yielded conclusive declines in chloride concentrations with depth and distance from the box.

There was no indication of TPH impact and lab results confirmed concentrations well below NMOCD guidelines. The excavated soil was land farmed on-site and then backfilled into the hole. The surface was contoured to the surrounding terrain and vegetation is expected to return at a normal rate. A new watertight box has been built on the southeast site of the battery.

* A windmill is located 406 ft west of this site.

** Excavation volume is estimated. Only excavation trenches were made (see diagram).

enclosures: chloride graph, photos, diagram, lab results

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
Vertical	2	499
	3	341
	4	299
	5	232
	6	177
	7	150
	10 ft East	4
10 ft North	4	115
10 ft West	4	115

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

DATE _____ 12/31/2003 _____ PRINTED NAME _____ Kristin Farris _____

SIGNATURE _____ *Kristin Farris* _____ TITLE _____ Project Scientist _____

EME J. H. Day EOL



Undisturbed Old Junction Box 7/22/2003



Delineation & Excavation 12/16/2003



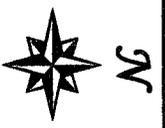
Construction of New Junction Box on Southeast side of Battery



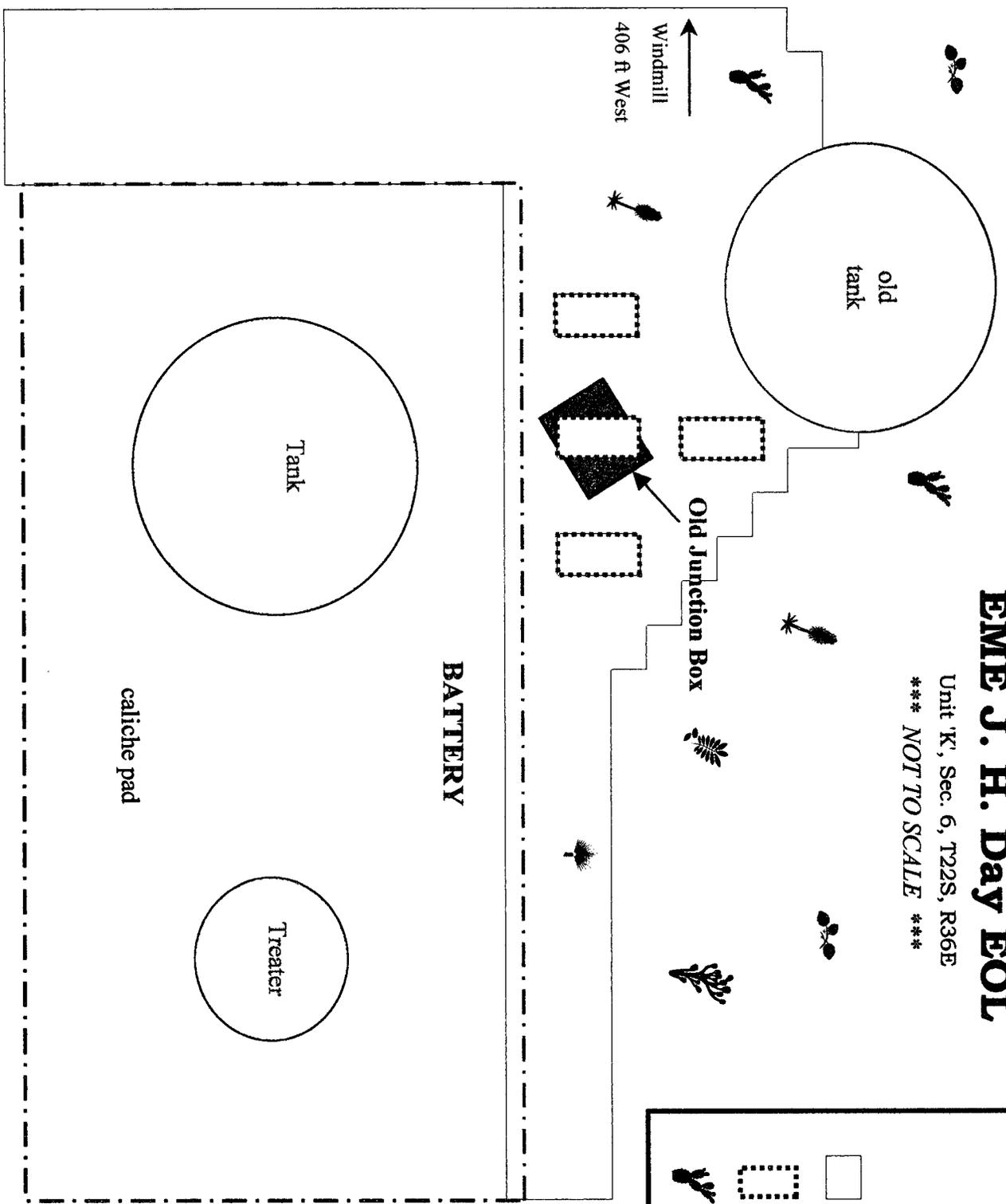
Completed Junction Box 11/26/2003

EME J. H. Day EOL

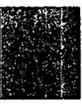
Unit 'K', Sec. 6, T22S, R36E
*** NOT TO SCALE ***



	= Oil-impacted, stained surface
	= Excavation trench
	= Established Vegetation



LEASE ROAD

 new junction box

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

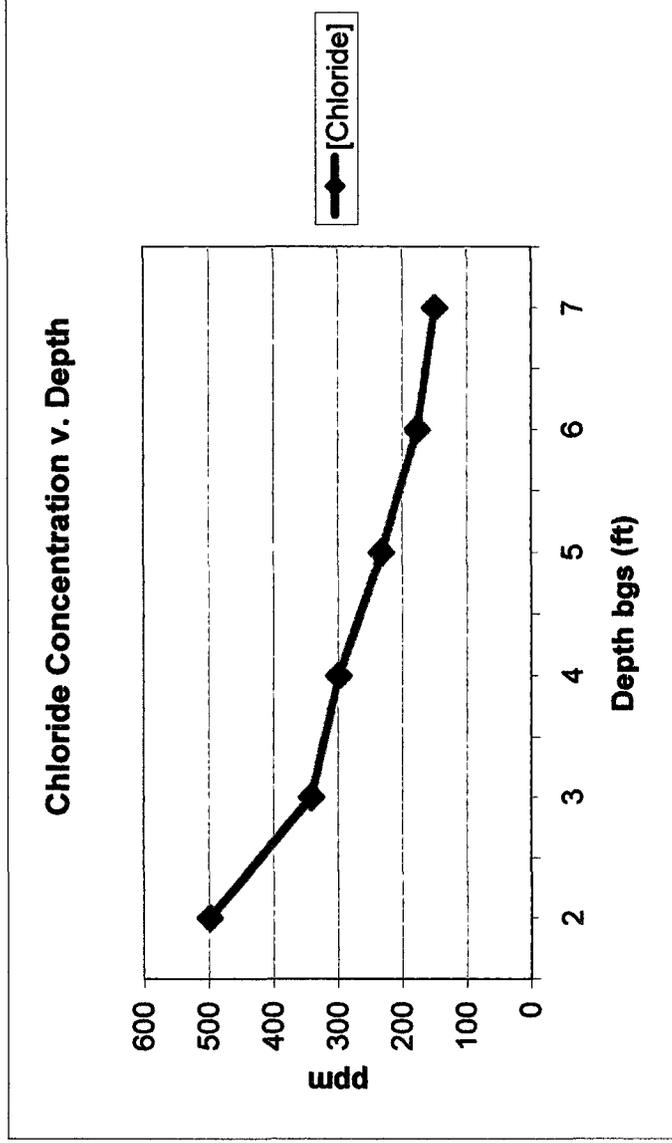
EME J. H. Day EOL

Unit K, Sec. 6, T22S, R36E

Vertical Delineation at Source

Depth bgs (ft)	[Cl ⁻] ppm
2	499
3	341
4	299
5	232
6	177
7	150

Groundwater = 180 ft



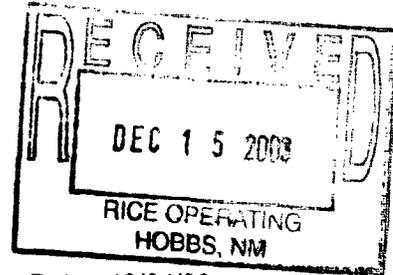


ARDINAL LABORATORIES

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ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471



Receiving Date: 12/08/03
Reporting Date: 12/10/03
Project Number: NOT GIVEN
Project Name: CHEVRON J.H. DAY
Project Location: LEA CO., NM

Sampling Date: 12/04/03
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
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)
ANALYSIS DATE		12/09/03	12/09/03	12/08/03
H8232-1	VERTICAL AT SOURCE 7'	<10.0	<10.0	208
Quality Control		795	833	940
True Value QC		800	800	1000
% Recovery		99.4	104	94.0
Relative Percent Difference		10.7	9.5	7.4

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-Cl'B
*Analysis performed on a 1:4 w:v aqueous extract.

Bergesford, Coker
Chemist

12/10/03
Date

H8232.XLS

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