

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		
EME	J. H. Day EOL	K	6	22S	36E	Lea	Length	Width	Depth
							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	145
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

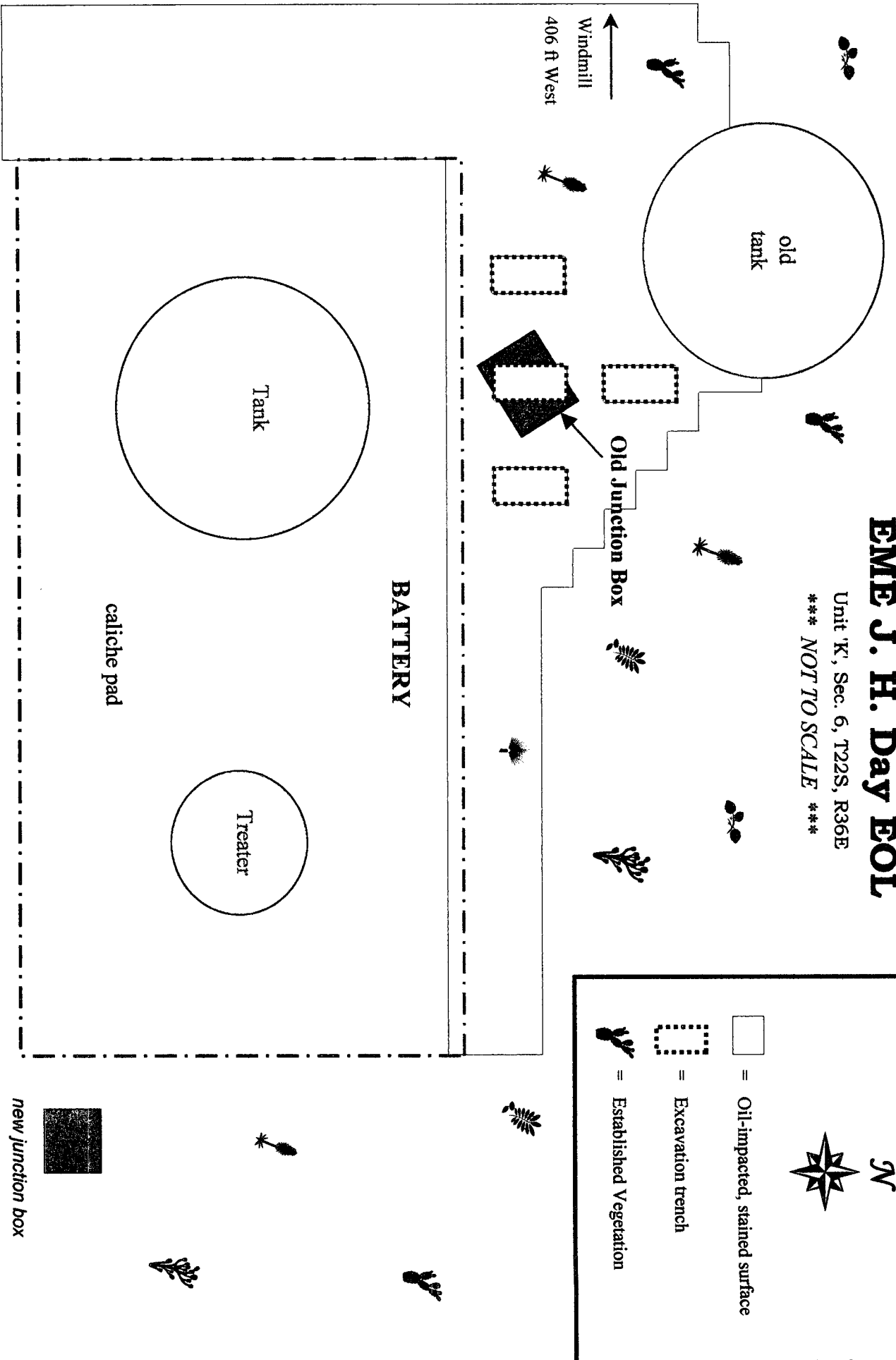
Unit 'K', Sec. 6, T22S, R36E
*** NOT TO SCALE ***




= Oil-impacted, stained surface


= Excavation trench


= Established Vegetation



LEASE ROAD

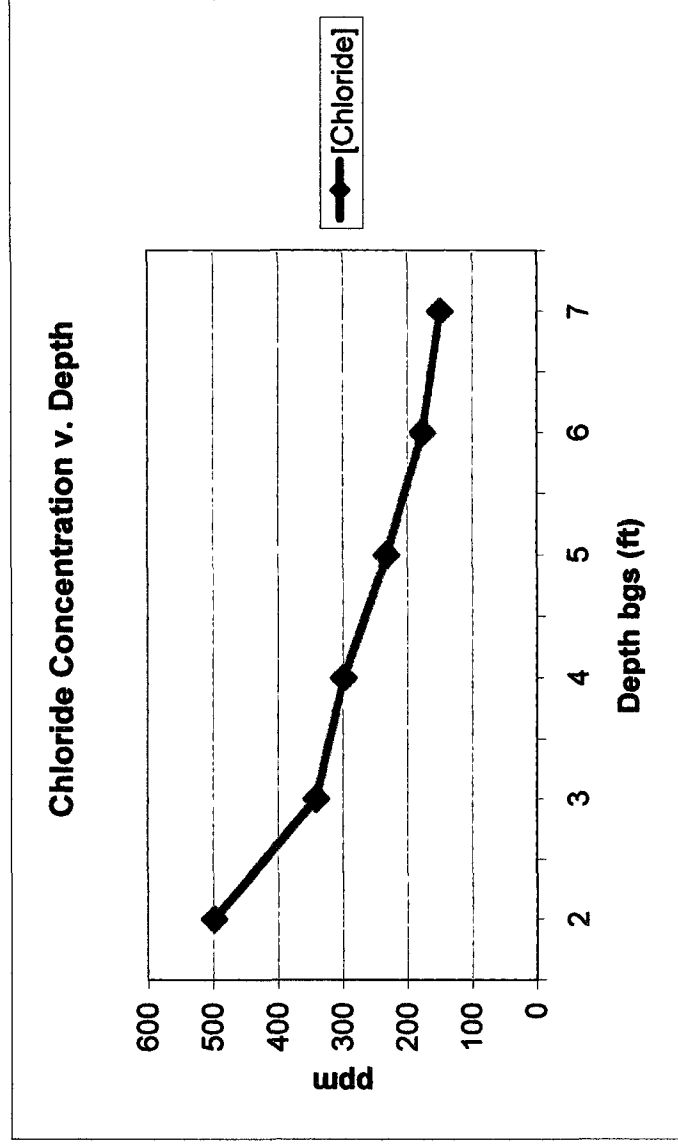
EME J. H. Day EOL

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



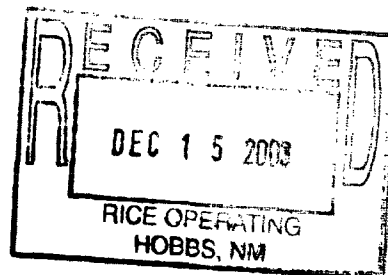


ARDINAL LABORATORIES

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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)
		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, Cath
Chemist

12/10/03
Date

H8232.XLS

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 paid 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 service. 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 hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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