

1R - 427-322

REPORTS

DATE:

4-26-13

RICE *Operating Company*

122 West Taylor • Hobbs, New Mexico 88240

Phone: (575) 393-9174 • Fax: (575) 397-1471

CERTIFIED MAIL

RETURN RECEIPT NO. 7007 2560 0000 4569 9224

RECEIVED

April 26, 2013

MAY 3 2013

Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: Termination Request
EME J-25 EOL (1R427-322): UL/J, Sec. 25, T20S, R36E
RICE Operating Company – Eunice Monument Eumont SWD System

Mr. Hansen:

Rice Operating Company (ROC) is the service provider (agent) for the EME Saltwater Disposal (SWD) System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

Background

In 2010, ROC initiated work on the former J-25 EOL junction box. The site is located in UL/J, Sec. 25, T20S, R36E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 106 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 30x30x12 ft deep excavation. Each sample was field titrated for chlorides and screened for TPH, resulting in low concentrations of each. The excavated soil was blended on site and representative composite samples of the excavation walls, bottom and blended backfill were sent to a commercial for analysis of chloride and TPH, resulting in a 4-wall chloride concentration of 272 mg/kg, a gasoline range organics (GRO) concentration below detectable limits and a diesel range organics (DRO) concentration of 39.2 mg/kg. The bottom composite resulted in a chloride concentration of 400 mg/kg and concentrations of GRO and DRO below detectable limits. The blended backfill resulted in a chloride concentration of 352 mg/kg, a GRO concentration below detectable limits and a DRO concentration of 38.9 mg/kg. The excavation was backfilled with the excavated soil to ground surface and contoured to the surrounding area. On 5/19/2010, the site was seed with a blend of native vegetation.

On 4/4/2013, the site was seeded with a blend of native vegetation. Vegetation will act as an evapo-transpiration barrier that will also inhibit the downward migration of chlorides and hydrocarbons. Plants capture water through their roots and so reduce the amount of water infiltrating below the root zone. The site revegetation form and photos of these activities are attached.

The junction box site location map, final report, photodocumentation, laboratory analysis, PID sheet, chloride graph, revegetation form and seeding photodocumentation are attached.

Recommendations

Site investigation demonstrates that residual chloride and hydrocarbons in the vadose zone will not with reasonable probability contaminate groundwater in excess of NMOCD standards. This site meets the requirements of the NMOCD-approved Revised Junction Box Upgrade Work Plan (July 16, 2003). As such, ROC request termination of the regulatory file, or similar closure status.

Please contact me at (575)393-9174 if you have any questions or wish to discuss this site. Thank you for your time and consideration.

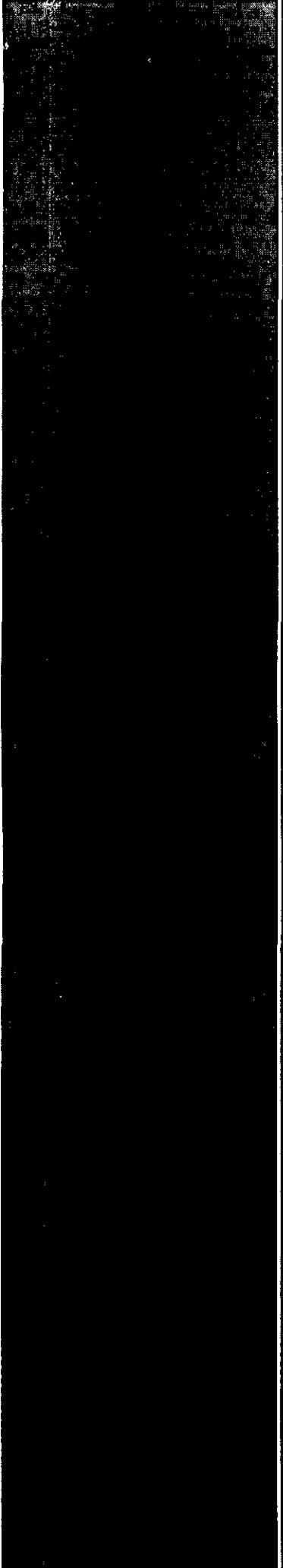
Sincerely,
RICE Operating Company



Hack Conder
Environmental Manager

enclosures

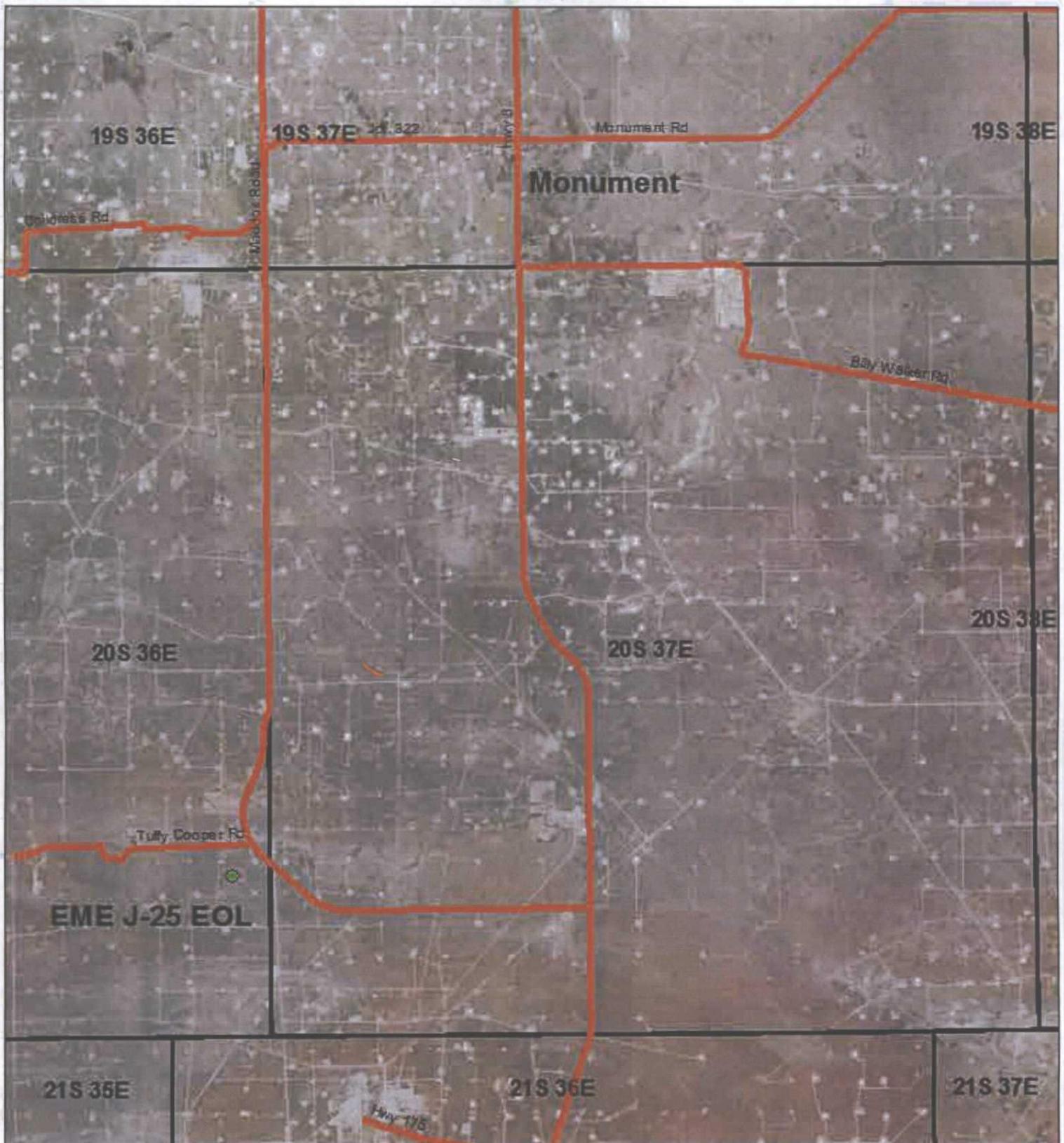
RECEIVED OGD
2013 MAY -3 P 2:22



Site Location Map

RICE *Operating Company* (ROC)
112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471

Site Location



EME J-25 EOL (1R427-322)

LEGALS: UL/J, Sec. 25,
T-20-S, R-36-E
LEA COUNTY, NM



0 0.9 1.8
Miles

Drawing date: 2/12/13
Drafted by: L. Weinheimer

Area Map



Legend

- ACTIVE LINE
- ISOLATED-LOCATED
- ISOLATED-PROJECTED
- EME REMOVED BOX

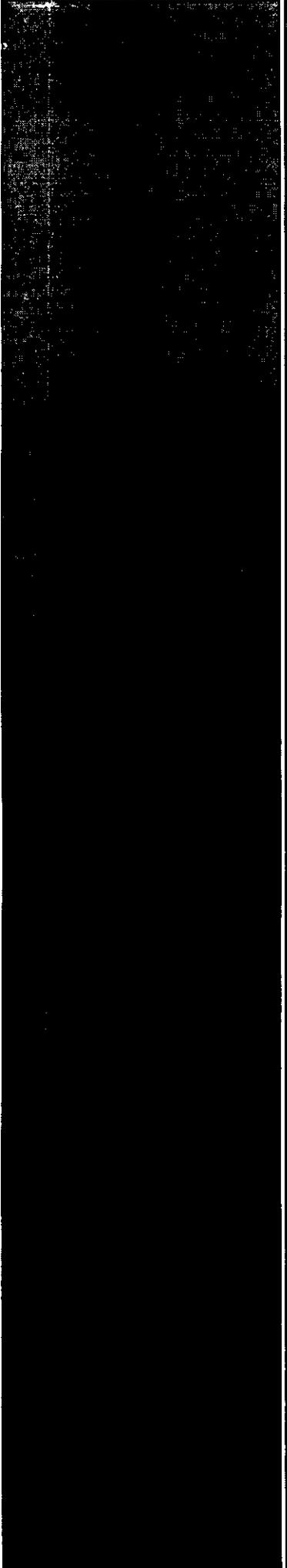


EME
EOL J-25
 UL/J SECTION 25
 T-20-S R-36-E
 LEA COUNTY, NM

NMOCD CASE #: 1R426-359

0 500 1,000
 Feet

Drawing date: 4/25/13
 Drafted by: T. Grieco



Junction Box Report

RICE *Operating Company* (ROC)
112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Evince-Monument-Eumont (EME)	J-25 EOL	J	25	20S	36E	Lea	Eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Jimmie T. Cooper etux Betty OTHER _____

Depth to Groundwater 106 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 4/15/2010 Date Completed 5/18/2010 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 5/5/2010 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.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.7	<10.0	39.2	272
BOTTOM COMP.	0.6	<10.0	<10.0	400
BACKFILL COMP.	1.9	<10.0	38.9	352

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	253
bottom comp.	12'	290
backfill comp.	n/a	286
Delineation trench 15' west of former junction box (Source)	6"	113
	2'	262
	4'	829
	6'	614
	8'	579
	10'	574
	12'	543

General Description of Remedial Action: This junction and line were eliminated during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 30X30X12-ft. deep excavation. Chloride field test were performed on each sample which yielded generally low concentrations. Organic vapors were measured using a PID, which yielded low concentrations. Representative composite samples were collected from the excavation walls, bottom, and blended backfill and sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations of each. The blended backfill was returned to the excavation to ground surface and contoured to the surrounding area. On 5/19/2010, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

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

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

SITE SUPERVISOR Jordan Woodfin SIGNATURE *Jordan Woodfin* 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 9-30-10

EME J-25 EOL

Unit J, Section 25, T20S, R36E



Site prior to excavation

4/15/2010



Delineation trench being excavated

4/15/2010



Final excavation

5/05/2010



Seeding excavation

5/19/2010



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: JORDAN WOODFIN
112 W. TAYLOR
HOBBS, NM 88240

Receiving Date: 05/05/10
Reporting Date: 05/07/10
Project Number: NOT GIVEN
Project Name: EME J-25 EOL (20/36)
Project Location: EME J-25 EOL (20/36)

Sampling Date: 05/05/10
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: JH
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)	(mg/kg)

ANALYSIS DATE		05/06/10	05/06/10	05/06/10
H19825-1	5PT BTM COMP @ 12FT	<10.0	<10.0	400
H19825-2	4 WALL COMP 30x30	<10.0	39.2	272
H19825-3	BLENDED BACKFILL	<10.0	38.9	352
COPY				
Quality Control		444	435	500
True Value QC		500	500	500
% Recovery		88.8	87.0	100
Relative Percent Difference		7.7	2.7	< 0.1

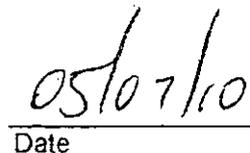
METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI/B

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

Reported on wet weight.



Chemist



Date

H19825 TCL RICE

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"/>	
<input checked="" 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: 927041	EXPIRATION DATE: 11-16-12
FILL DATE: 11-17-09	METER READING ACCURACY: 99.9

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	J-25 EA	J	25	205	36E

SAMPLE ID	PID	SAMPLE ID	PID
5pt Btm Comp	0.6		
Blended Backfill	99.9		
4 Wall Comp	0.7		

COPY

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

SIGNATURE: Jordan Wood

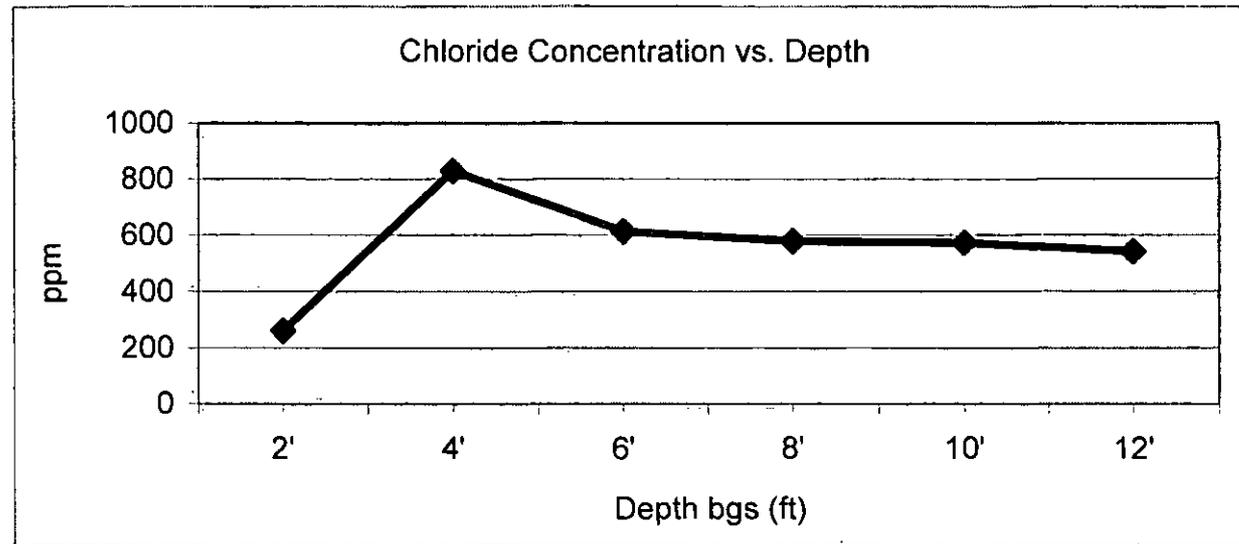
DATE: 5-5-10

EME J-25 EOL

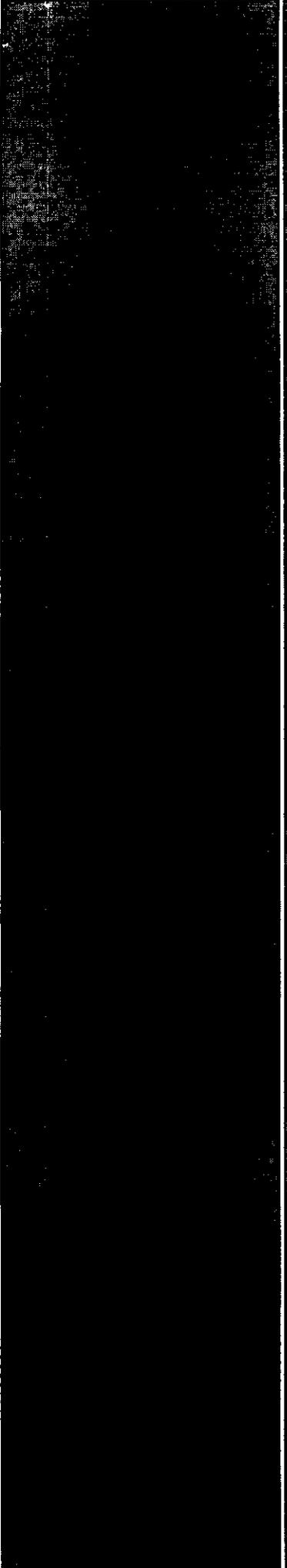
Unit 'J', Sec. 25, T20S, R36E

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

Depth:bgs'(ft)	[Cl ⁻],ppm'
2'	262
4'	829
6'	614
8'	579
10'	574
12'	543



Groundwater = 106 ft



Revegetation Form and Photodocumentation

RICE *Operating Company* (ROC)
112 West Taylor Hobbs, NM 88240
Phone: (575) 393-9174 Fax: (575) 397-1471



PO Box 5630
 Hobbs, NM 88241
 Phone: (575) 393-4411
 Fax: (575) 393-0293

REVEGETATION FORM

1. General Information

Site name: EME J-25 EOL						
U/L J	Section 25	Township 20S	Range 36E	County Lea	Latitude N32°34.414	Longitude W103°18.213
Contact Name: Hack CONDER						
Email: hconder@rice-ecs.com						
Site size: 50'x60' Square feet: 3,000				Map detail of site attached <input type="checkbox"/>		
Additional information:						

2. Soils

**Do not rip caliches subsoils; caliche rocks brought to the surface by ripping shall be removed.*

Salvaged from site <input type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input type="checkbox"/>	Blended <input checked="" type="checkbox"/>	Depth (in):	
Texture:		Describe soil & subsoil:			
Soil prep methods:	Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Roller pack <input type="checkbox"/>
Date completed: 5/18/2010					

3. Bioremediation

Fertilizer <input checked="" type="checkbox"/> 6 bags Restor N Hance	Hay <input type="checkbox"/>	Other <input checked="" type="checkbox"/> 3 bags Garden Soil
Type:		Describe: 1 bag Manure
Lbs/acre:		

4. Seeding

**Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R.*

Custom seed mix <input checked="" type="checkbox"/>	Prescribed mix <input type="checkbox"/>	Seed mix name: 3 lbs. Sideoats, 3 lbs Lea County Mix, 3 lbs Blue Grama
Seeding date: 4/4/2013		
Broadcast <input checked="" type="checkbox"/>		
Method: Mechanical Drop Seeder		
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>		
Photos attached <input type="checkbox"/>	Observations:	
Number of photos:		

5. Certification

I hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief.

Name: Kyle Norman	Title: Environmental Tech	Date: 4/4/2013
Signature:		

EME J-25 EOL (1R427-322)

UL/J, Section 25, T20S, R36E



Spreading amendments, facing west

4/4/2013



Tilling site, facing east

4/4/2013



Seeding site, facing west

4/4/2013



Site complete, facing west

4/4/2013

JCT BOX DELINEATION SUMMARY REPORT

GPS

ite: EME J-25 EOL Legal: UL/J SEC 25 T20S R36E Landowner: JIMMIE COOPER GW: 106'

N. 32° 32.426'

W. 103° 18.245'

Source	5' North		5' South		5' East		5' West							
	CL	PID	CL	PID	CL	PID	CL	PID						
1			2	294	0.5	2	205	2.6	2	174	3.2	2	906	2
2	592	0.9	4	270	0	4	727	1.8	4	224	1.1	4	878	0.8
3	159	1.3	6	359	0.9	6	559	1.4	6	276	4.5	6	718	1.1
4	643	1.1	8	344	0	8	642	1.6	8	208	3.3	8	586	1.6
5	521	1.6	10	306	0.2	10	469	1	10	266	4.6	10	639	1.4
6	393	1.4	12	551	0	12	708	2.5	12	283	12.9	12	1110	1.3
7	563	1.4	10' North		10' South		10' West		15' West					
8	385	1	CL	PID	CL	PID	CL	PID	CL	PID				
9	583	1	2	143	0.2	2	1194	0.5	2	604	1.1	2	262	0.9
0	624	1	4	385	0.7	4	1128	0.6	4	690	2.1	4	829	0.3
1	526	0.7	6	248	0.6	6	445	0.5	6	602	0.9	6	614	0.2
2	564	0.5	8	318	0.9	8	431	0.6	8	585	0.9	8	579	0.2
			10	575	0.9	10	577	0.8	10	670	0.7	10	574	0
			12	540	0.8	12	472	0.3	12	729	0.2	12	543	0

	15' South		20' South		20' West		25' West				
	CL	PID	CL	PID	CL	PID	CL	PID			
2	87	0	2	115	1.7	2	574	0.1	2	141	1.8
4	287	0	4	115	0.8	4	404	0	4	143	1.1
6	288	0	6	146	0.5	6	636	0	6	145	0.8
8	282	0	8	198	0.6	8	447	0	8	141	0.6
10	392	0	10	140	0.8	10	444	0	10	146	0.7
12	423	0	12	150	0.9	12	515	0	12	118	0.7

North Wall	
Cl-	515
PID	0.5

South Wall	
Cl-	143
PID	3

East Wall	
Cl-	224
PID	0.7

West Wall	
Cl-	149
PID	0.9

4 Wall Comp	
Cl-	253
PID	0.7

	Pt.1	Pt.2	Pt.3	Pt.4	Pt.5	5 Pt Comp.
Cl-	202	139	383	149	775	290
PID	2	1	1.3	0.7	1.4	0.6

Background at 6"	
Cl-	113
PID	0.2

Excavation Dimensions: 30'x30'x 12'

Soil hauled off and where: None

Soil imported and from where: none

field results	
4 Wall Comp	253 0.7
5pt Bottom Comp	290 0.6
Blended Backfill	286 1.9

cl- pid	
253	0.7
290	0.6
286	1.9

lab results		
gro	dro	cl-
<10	39.2	272
<10	<10	400
<10	38.9	352

Summary: Upon arrival at this location, we made an assessment of the site for all potential safety hazards.

Next, we conducted an investigation of the soil at the former junction box location using a backhoe. Soil samples

were taken at regular intervals and tested in the field for evidence of chloride and organic vapors. This site was

dug to a size of 30'x30'x12'. While excavating this site we came across an abandoned oil well that was not capped

and was showing signs of caving in. This well was to the north of the excavation, so for safety reasons we did not

continue to excavate to the north. After we reached a 30'x30', we collected composite samples from the bottom,

the four walls, and the blended backfill and sent this samples to the lab for further analysis. After the lab results

were returned, the site was backfilled using the soil from the excavation, and the site was seeded using a native blend.

Signature: 

Date: 6-14-12