1R - 425-1

REPORTS

DATE:

MARCH 9, 2005

Vacuum 3-1 & 2

IR0125-01

DISCLOSURE

REPORT

RICE OPERATING COMPANY
JUNCTION BOX **DISCLOSURE*** REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Vacuum	E-2	E	2	18S	35E	Lea	7	5	4

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

Depth to Groundwater 52 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 8/31/2005 Date Completed 9/14/2004 NMOCD Witness no

Soil Excavated 60 cubic yards Excavation Length 15 Width 12 Depth 7-12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** n/a **Sample Depth** n/a

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

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	no lab samples were collected on final excavation			
BOTTOM COMP.				
REMED. BACKFILL				

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical at junction box	6	1200
	7	1409
	8	2009
	9	1319
	10	1230
	11	1379
	12	1529
5 ft *EAST* of junction	1	1290
	2	1259
	3	960
	4	1110
	5	2369
	6	2459
	7	2280
5 ft *NORTH* of junction	1	2669
	2	2549
	3	3958
	4	2609
	5	2189
	6	2370
	7	2250

General Description of Remedial Action: This junction box is located in rocky pastureland across a dirt road from an active production battery. The old box lumber was removed and the pipeline and connections were replaced with a new 2-inch poly pipeline. The location was delineated using a backhoe while PID field screenings (enclosed) and chloride field tests were conducted at regular intervals. PID levels were generally low throughout the excavation and none exceeded the maximum reading of 17.8 ppm. Chloride concentrations were relatively consistent with depth and breadth throughout the 12 x 15 x 7-12 ft deep excavation. The excavated soil was blended on-site and backfilled into the hole. At 6 ft BGS, a 1-ft-thick compacted clay barrier was installed to inhibit further chloride migration. The remaining spoils were backfilled on top of the clay. A new watertight junction box was built at this site. NMOCD was notified of potential groundwater impact at this location on 11/29/2004 via e-mail. The Vacuum System Partners have decided to abandon the SWD system; work towards abandonment will progress in 2005.

enclosures: chloride graphs, photos, excavation cross-section, PID field screenings, clay test

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

SITE SUPERVISOR Rob Elam SIGNATURE not available COMPANY Curt's Environmental--Odessa, TX

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 3/9/2005 TITLE Project Scientist

**** This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.***

Vacuum jct. E-2

unit 'E', sec. 2, T18S, R35E

undisturbed junction box 8/4/2003

new poly plumbing; old box removed 8/12/2003

12 x 15 x 7-ft-deep excavation 9/2/2004

compacting clay barrier at 6 ft BGS 9/14/2004

testing clay barrier 9/14/2004

completed junction box 9/30/2004

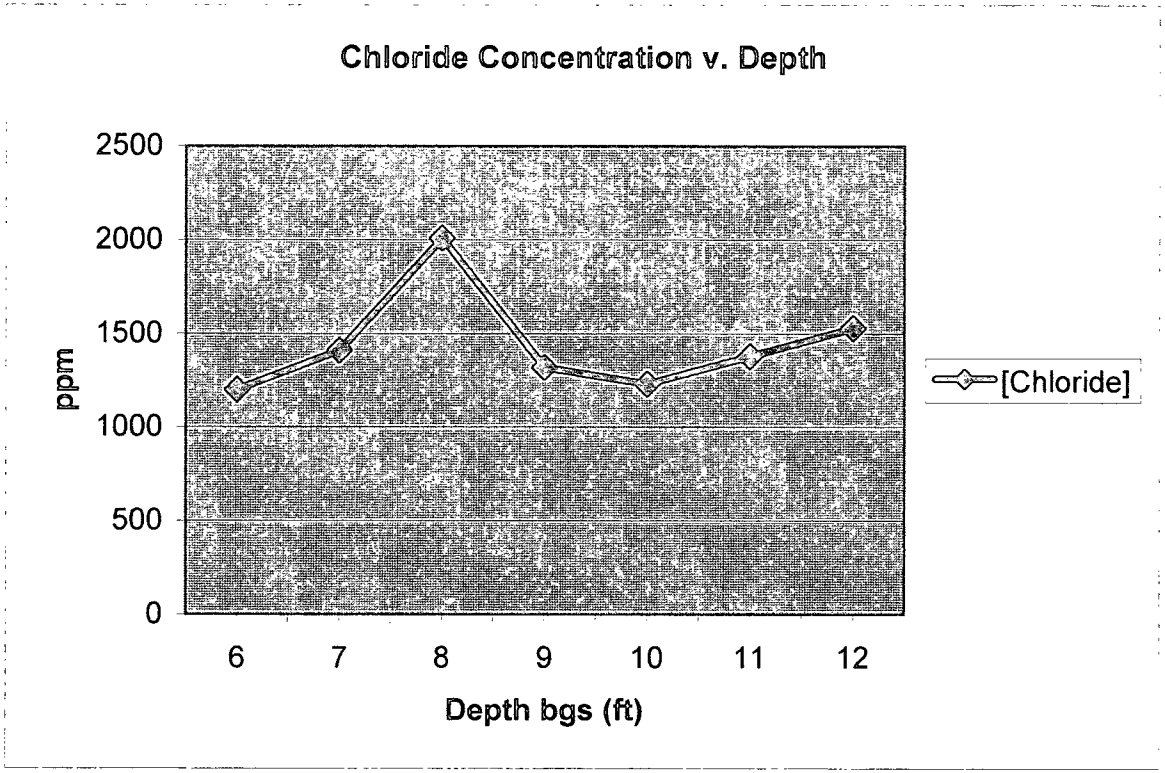
Vacuum jct. E-2

unit 'E', sec. 2, T18S, R35E

Vertical Delineation at Source

Depth bgs (ft)	[Cl⁻] ppm
6	1200
7	1409
8	2009
9	1319
10	1230
11	1379
12	1529

Groundwater = 52 ft



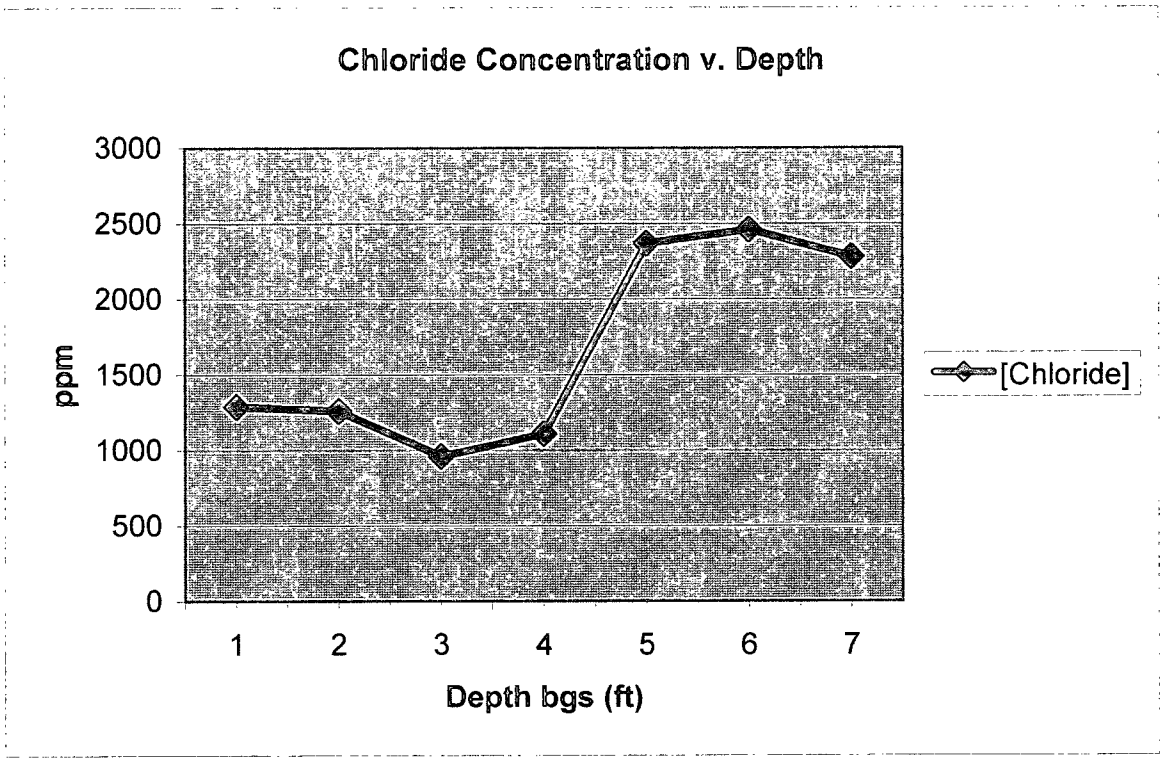
Vacuum jct. E-2

unit 'E', sec. 2, T18S, R35E

5 ft EAST of junction

Depth bgs (ft)	[Cl⁻] ppm
1	1290
2	1259
3	960
4	1110
5	2369
6	2459
7	2280

Groundwater = 52 ft

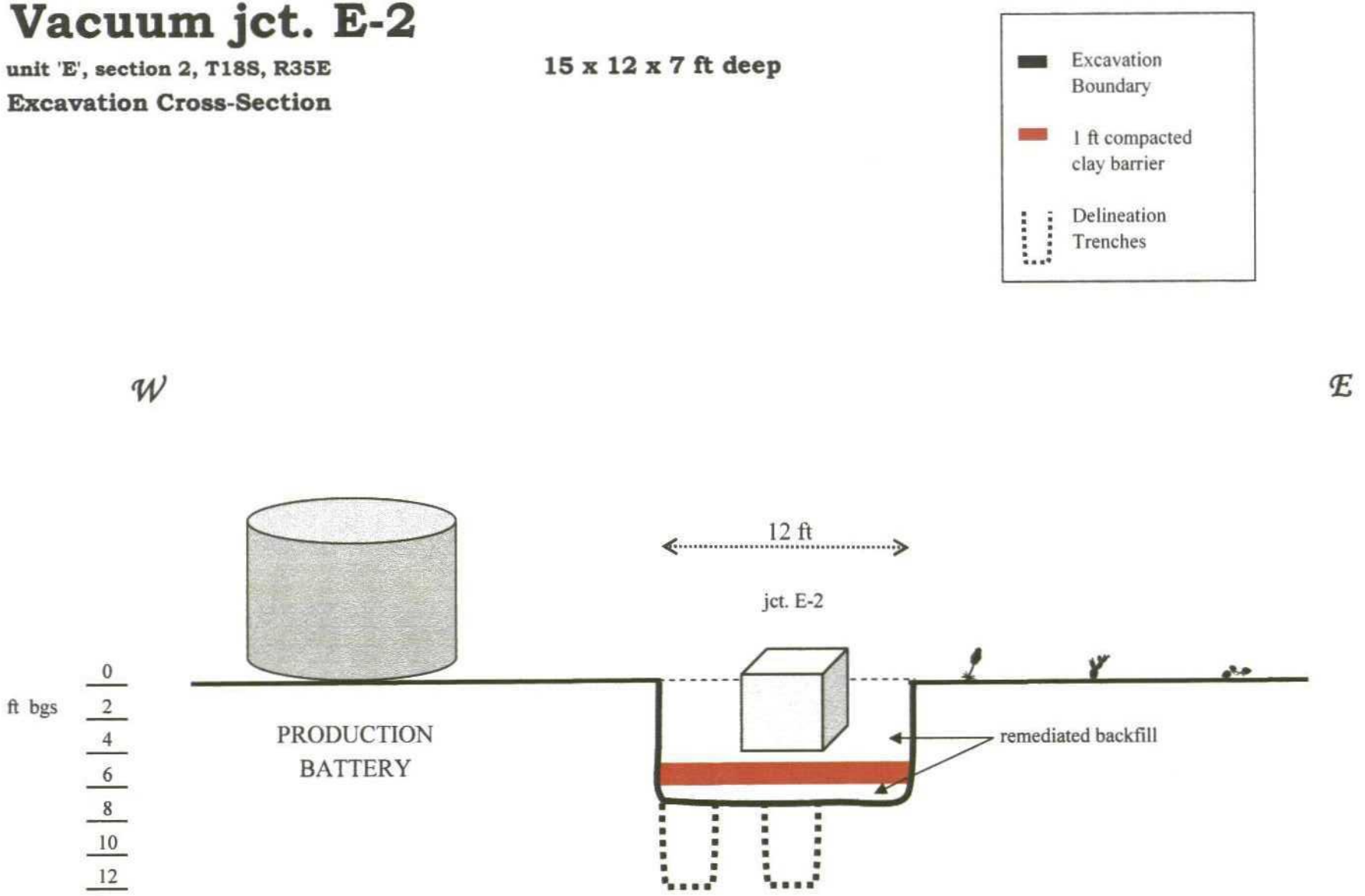


Vacuum jct. E-2

unit 'E', section 2, T18S, R35E

Excavation Cross-Section

15 x 12 x 7 ft deep



RICE OPERATING COMPANY
122 WEST TAYLOR
HOBBS, NEW MEXICO 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471

COPY

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE
AIR
LOT NO: 03-2475
EXP. DATE: 10-19-04
METER READING
ACCURACY: 100.0

SERIAL NO: ~~104412~~ 104550
100 PPM
BALANCE
FILL DATE: 4-19-04
ACCURACY: ± 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
Vacuum	E-2	E	2	18-S	35-E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Source 6'	0	5' West 7'	0
Source 7'	2.9	5' West 8'	0
Source 8'	14.2	5' West 9'	0
Source 9'	3.3	5' West 10'	0
Source 10'	9.4	5' West 11'	0
Source 11'	17.8	5' West 12'	0
Source 12'	2.0		

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

Rob Elam
Signature

Title

9-1-04
Date

RICE OPERATING COMPANY

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MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
SERIAL NO: ~~104412~~ 104550
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE 100 PPM
AIR BALANCE
LOT NO: 03-2475
FILL DATE: 4-19-04
EXP. DATE: 10-19-04
ACCURACY: ± 2%
METER READING
ACCURACY: 100.0

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
Vacuum	E-2	E	2	18-S	35-E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
5' South 7'	0		
5' South 8'	0		
5' South 9'	0		

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

Signature _____ Title _____ Date 9-1-04

RICE OPERATING COMPANY

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HOBBS, NEW MEXICO 88240
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VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
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GAS COMPOSITION: ISOBUTYLENE 100 PPM
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LOT NO: 03-2475
FILL DATE: 4-19-04
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ACCURACY: ± 2%
METER READING
ACCURACY: 100.0

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
Vacuum	E-2	E	2	18-S	35-E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
5' North 1'	0	5' East 1'	0
5' North 2'	0	5' East 2'	0
5' North 3'	0	5' East 3'	0
5' North 4'	0	5' East 4'	0
5' North 5'	0	5' East 5'	0
5' North 6'	0	5' East 6'	0
5' North 7'	0	5' East 7'	0

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

Rob Elson
Signature

Title

9-2-04
Date

LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.
1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827

AASHTO R18

DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Rice Operating
Attn: Carolyn Haynes
122 W. Taylor
Hobbs, NM 88240

Material: Red Clay

Test Method: ASTM: D 2922

Project: Vacuum Junction E-2

Date of Test: September 14, 2004

Depth: Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Center of Pit	97.2	19.3	

Control Density: 106.2
ASTM: D 698

Optimum Moisture: 17.3

Required Compaction: 95%

Lab No.: 04 10363-10364

Copies To: Rice

PETTIGREW & ASSOCIATES

BY: S.E.T.