

1R - 425-66

REPORTS

DATE:

12-2-08

70
19

Vacuum L-26 Vent

1R425-66

RECEIVED

MAR 25 2000

Environmental Bureau
Oil Conservation Division

DISCLOSURE

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

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Vacuum	vent L-26	L	26	17S	35E	Lea	Length	Width	Depth
							no box; system abandonment		

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

Depth to Groundwater 68 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 2/7/2008 Date Completed 5/21/2008 OCD Witness no

Soil Excavated 400 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 5/9/2008 Sample Depth 12 ft

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	Chlorides mg/kg
4-WALL COMP.	<0.010	<0.010	0.026	0.081	88.5	869	3,000
BOTTOM COMP.	PID = 31.2 (field reading)				<10.0	214	1,140
BACKFILL COMP.	PID = 25.7 (field reading)				<10.0	436	2,560

General Description of Remedial Action: This junction was eliminated during the

Vacuum SWD system abandonment. 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 tests were performed on each sample, which yielded elevated concentrations that did not relent with depth. Organic vapors were measured using a PID. Representative composite samples were sent to a commercial laboratory for analysis of chloride, TPH, and BTEX. The excavated soil was blended on-site and returned to the excavation up to 4 ft below ground surface (BGS). At 4 ft BGS, a geosynthetic liner was installed with 6 inches of clean, imported soil above and below the liner to serve as padding. The remaining fill was returned to the excavation to ground surface and contoured to the surrounding area. An identification plate was placed on the surface at the former junction site to mark the presence of the geosynthetic liner below. NMOCD was notified of potential groundwater on 12/1/2008.

ADDITIONAL EVALUATION IS MEDIUM PRIORITY

enclosures: photos, lab results, PID field screenings,
cross-section, BTEX study, chloride curve

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
background	6"	107
4-wall comp.	n/a	3,537
bottom comp.	12'	1,556
backfill comp	n/a	2,999
vertical delineation trench at 5 ft north of the junction (source)	1'	1,075
	2'	988
	3'	876
	4'	748
	5'	862
	6'	766
	7'	780
	8'	593
	9'	906
	10'	1,395
	11'	1,269
	12'	1,785

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

SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 12-2-08

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

Vacuum vent L-26

Unit L, Section 26, T17S, R35E



undisturbed junction box, facing north

8/15/2005



30x30x12-ft excavation, facing west

5/9/2008



clean, imported blow sand used
as padding below the liner, facing north

5/19/2008



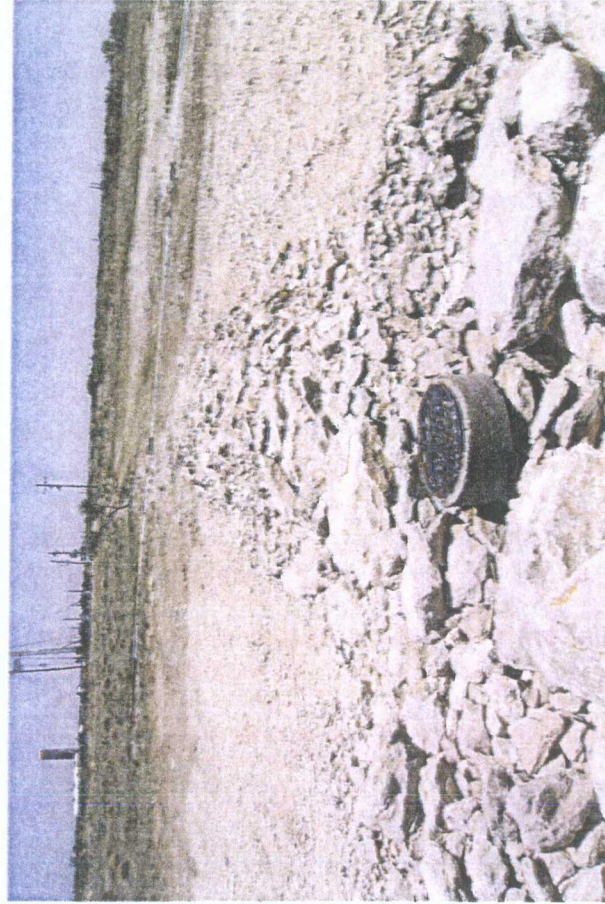
geosynthetic liner installed, facing south

5/19/2008



clean, imported blow sand used
as padding above the liner, facing north

5/20/2008



site complete with geosynthetic liner marker

5/21/2008



CARDINAL LABORATORIES

PHONE (575) 398-2228 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: ROY R. RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

COPY

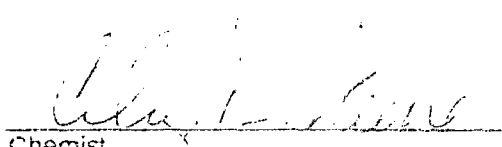
Receiving Date: 05/09/08
Reporting Date: 05/13/08
Project Owner: NOT GIVEN
Project Name: VAC VENT L-26
Project Location: NOT GIVEN

Sampling Date: 05/09/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK/AB/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		05/10/08	05/10/08	05/09/08
H14788-1	5PT BTM COMP @ 12' BGS	<10.0	214	1,140
H14788-2	4 WALL COMP @ 30X30X12	88.5	869	3,000
H14788-3	BLENDED BACKFILL	<10.0	436	2,560
Quality Control		527	386	500
True Value QC		500	500	500
% Recovery		105	77.2	100
Relative Percent Difference		8.5	2.9	<0.1

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

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


Chemist


Date

H14788TCL RICE

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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: ROY R. RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

COPY

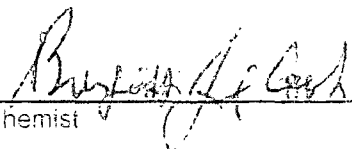
Receiving Date: 05/09/08
Reporting Date: 05/15/08
Project Number: NOT GIVEN
Project Name: VAC VENT L-26
Project Location: NOT GIVEN

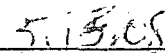
Sampling Date: 05/09/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: BC

LAB NO	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		05/14/08	05/14/08	05/14/08	05/14/08
H14788-2*	4 WALL COMP @ 30x30x12	<0.010	<0.010	0.026	0.081
H14788-4	COMP. OF N, S, E, & W WALL COMPS. @ 15'	<0.002	<0.002	0.096	0.186
Quality Control		0.095	0.105	0.108	0.297
True Value QC		0.100	0.100	0.100	0.300
% Recovery		95.2	105	108	98.9
Relative Percent Difference		4.6	3.2	2.4	2.4

*Analysis run on a smaller sample due to odor.

METHOD: EPA SW-846 8260


Chemist


Date

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

2111 Beechwood, Abilene, TX 79603 101 East Martland, Hobbs, NM 88240
(325) 673-7001 FAX (325) 673-7020 (505) 393-2326 FAX (505) 393-2476

BILL TO										ANALYSIS REQUEST									
Company Name: RICE OPERATING CO.																			
Project Manager: ROY R. RASCON																			
Address: 122 WEST TAYLOR																			
City: HOBBBS																			
State: NM Zip: 88240																			
Phone #: (505) 393-9174																			
Project Owner:																			
Project Name: VAC VENT L-26																			
Project Location:																			
Sampler Name: ROY R. RASCON																			
FOR LAB USE ONLY LAB ID #	SAMPLE I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	PRESERV	SAMPLING	DATE	TIME	TPH 8015 M	CL	RTEX
H14788-1	Spt bitm comp @ 12' bgs	C 1				X					X				5/9/2008	0820	X	X	
-2	4 wali comp @ 30X30X12	C 1				X					X				5/9/2008	0945	X	X	
-3	blended backfill	C 1				X					X				5/9/2008	1215	X	X	
-4	N WALL COMP @ 15' N	C 1				X					X				5/9/2008	0915			
-5	S WALL COMP @ 15' S	C 1				X					X				5/9/2008	0830			
-6	E WALL COMP @ 15' E	C 1				X					X				5/9/2008	0855			
-7	W WALL COMP @ 15' W	C 1				X					X				5/9/2008	0940			
<p>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 the client for the 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 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 claims are based upon any of the above stated reasons or otherwise.</p>																			
Relinquished By: Roy R. Rascon										Received By: Liberty LeBout									
Date: 5-9-08										Date: 5-9-08									
Time: 1130										Time: 1130									
Relinquished By:										Received By:									
Date:										Date:									
Time:										Time:									
Delivered By: (Circle One)										Sample Condition									
Sampler: DPS - Bus - Other:										Cool: Intact									
										No - Yes									
										Checked By: (Initials)									
										M. J. 3									

REMARKS: PLEASE E-MAIL TO jpurvis & rrascon@riceswd.com

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

COPY

CK.	
MODEL	X
NO.	

MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL: PGM 7600	SERIAL NO: 110-013744
MODEL: PGM 7600	SERIAL NO: 110-012383
MODEL: PGM 7600	SERIAL NO: 110-012920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 07-3353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 100.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
VAC	VENT L-26	L	26	17S	35E

SAMPLE ID	PID	SAMPLE ID	PID
FINAL SAMPLES OF 30X30X12 HOLE			
N. WALL COMP. @ 15'	137		
S. WALL COMP. @ 15'	165		
E. WALL COMP. @ 15'	406		
W. WALL COMP. @ 15'	12.7		
4 WALL COMP @ 30X30X12	237		
5PT BOTTOM COMP @ 12'BGS	31.2		
BLENDED BACKFILL COMP.	25.7		

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

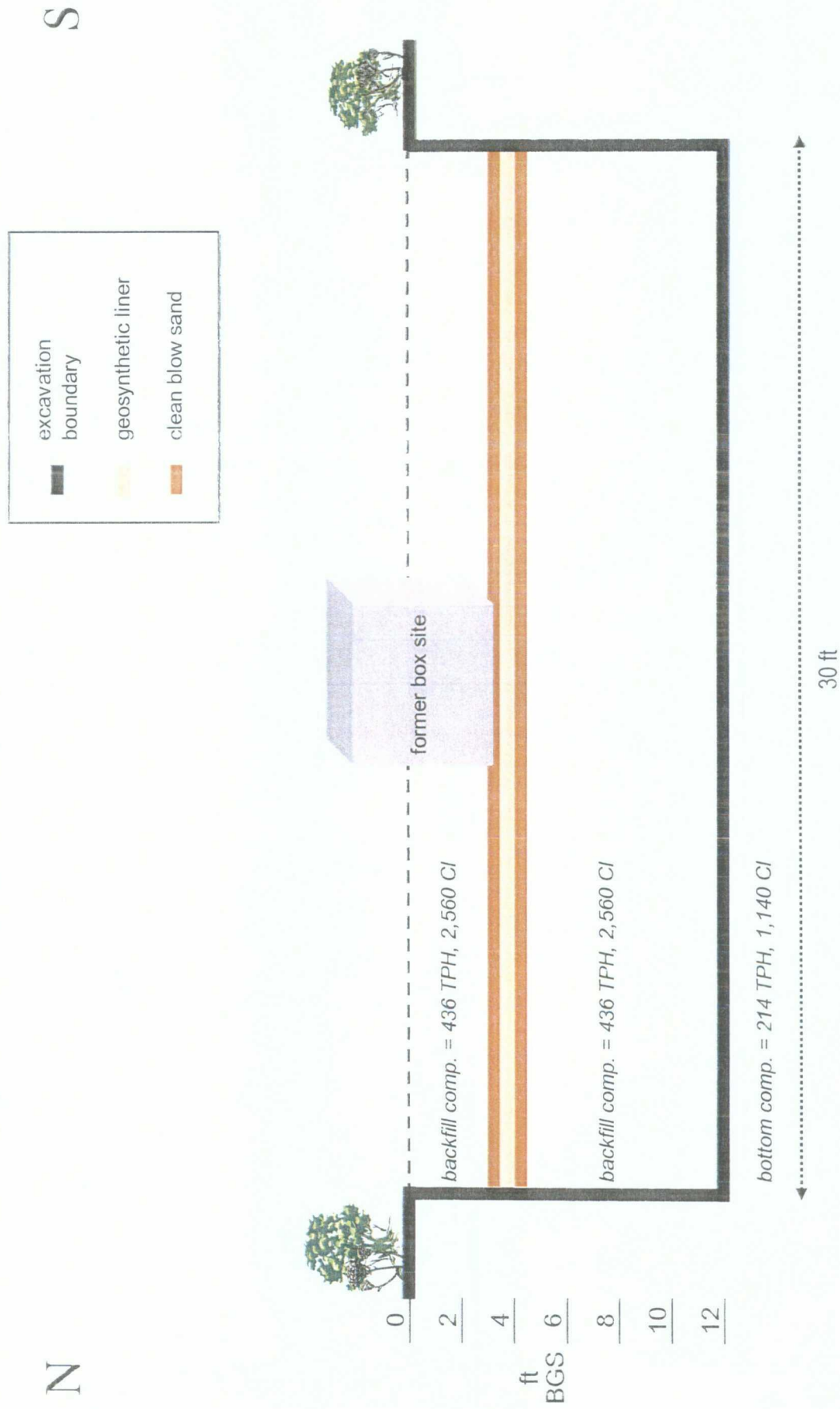
SIGNATURE:

Ray R. Rice

DATE: 5-9-08

Vacuum vent L-26
Unit 'L', Sec. 26, T17S, R35E

Excavation Cross-Section



2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: Vacuum
Site: vent L-26

Date: 5/9/2008
Sampler: Roy Rascon

Laboratory: Cardinal
Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
4-wall composite from 30x30x12 ft	NORTH wall	137	<0.010	<0.010	0.026	0.081
	SOUTH wall	165				
	EAST wall	406				
	WEST wall	12.7				
			LAB COMPOSITE (mg/kg)			
			<0.002	<0.002	0.096	0.186

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

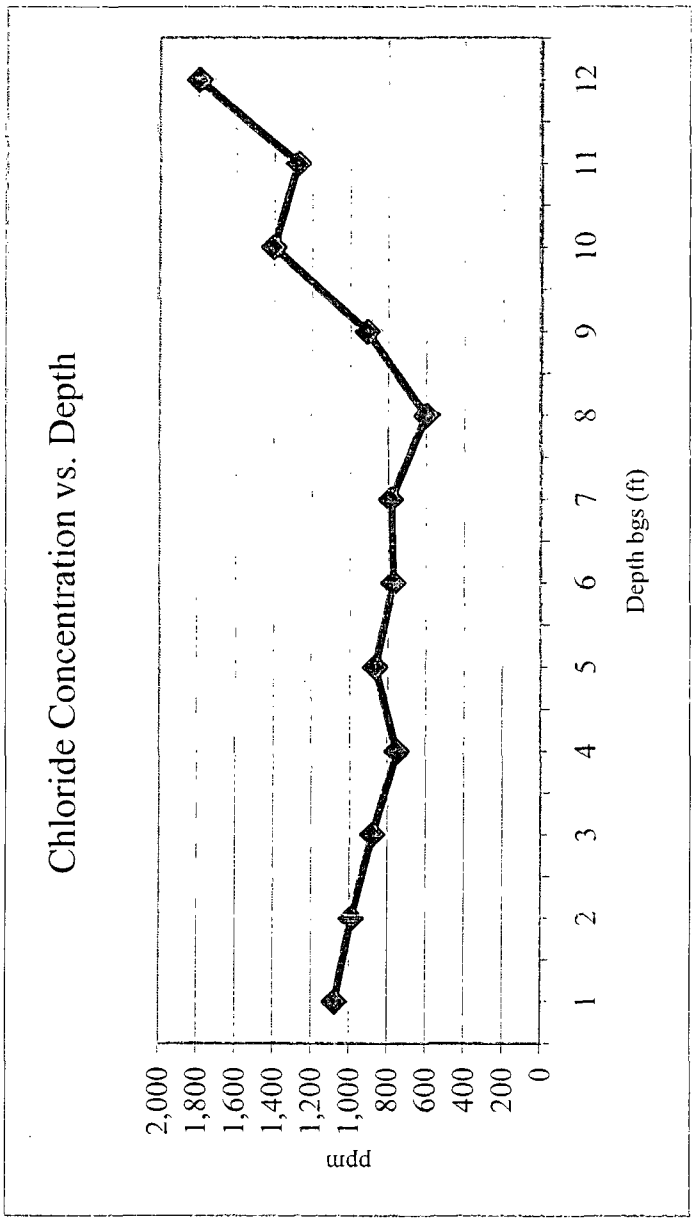
Revised Junction Box Upgrade Work Plan (July 16, 2003)

Vacuum Jct. L-26

Unit 'L', Sec. 26, T17S, R35E

Backhoe samples at 5 ft north of the junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
1	1,075
2	988
3	876
4	748
5	862
6	766
7	780
8	593
9	906
10	1,395
11	1,269
12	1,785



Groundwater = 68 ft