

1R - 425-67

REPORTS

DATE:

8-4-08

21
20

Vacuum Vent F-34 Boot

1R425-67

RECEIVED

MAY 25 1967
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		
							Length	Width	Depth
Vacuum	vent F-34 boot	F	34	17S	35E	Lea	no box; system abandonment		

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

Depth to Groundwater 68 feet NMOCD SITE ASSESSMENT RANKING SCORE: 30

Date Started 2/28/2008 Date Completed 6/8/2008 OCD Witness no

Soil Excavated 177.8 cubic yards Excavation Length 20 Width 20 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 5/30/2008, 6/2/2008 Sample Depth 12'

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	0.019	0.116	77.8	1610	3120
BOTTOM COMP.	<0.010	<0.010	<0.010	<0.030	<10.0	748	2320
BACKFILL	<0.010	<0.010	0.161	0.350	135	2240	1980

CHLORIDE FIELD TESTS

General Description of Remedial Action: This junction was addressed under the Vacuum SWD System abandonment. After this junction was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 20x20x12-ft-deep hole. Chloride field tests were performed on each sample yielding elevated chloride levels that did not relent with depth. Organic vapors were measured using a PID, which also yielded elevated levels. Representative composite samples were collected from the excavation bottom, walls, and excavated soil for laboratory confirmation of chloride, TPH, and BTEX concentrations. The excavated soil was blended on-site and returned to the excavation and contoured to the surrounding area. An identification plate was placed on the surface of the backfilled site to mark the location of the former junction for future environmental consideration. NMOCD was notified of potential groundwater impact on 7/31/2008.

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	2738
bottom comp.	12'	2186
backfill comp.	n/a	2153
vertical delineation trench 10 ft south of junction (source)	1'	1533
	2'	2749
	3'	2047
	4'	1842
	5'	1780
	6'	1375
	7'	1912
	8'	1049
	9'	1045
	10'	2253
11'	2592	
12'	4720	

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, lab results, BTEX comparison table, chloride curve

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 8-4-08

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

Vacuum vent F-34 boot

Unit F, Section 34, T17S, R35E



undisturbed junction box, facing north

11/11/2005



20x20x12-ft excavation, facing south

6/2/2008



backfilled and completed site, facing south

6/8/2008



site marker, facing east

6/9/2008



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

COPY

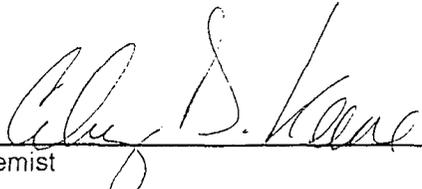
Receiving Date: 06/02/08
 Reporting Date: 06/04/08
 Project Owner: NOT GIVEN
 Project Name: VAC VENT F-34 BOOT
 Project Location: NOT GIVEN

Sampling Date: 05/30/08 & 06/02/08
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: CK
 Analyzed By: CK/AB/KS

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		06/03/08	06/03/08	06/03/08
H14908-1	5PT BTTM COMP @ 12'BGS	<10.0	748	2,320
H14908-2	4 WALL COMP @ 20X20X12	77.8	1,610	3,120
H14908-3	5PT BLENDED BACKFILL	135	2,240	1,980
Quality Control		522	420	500
True Value QC		500	500	500
% Recovery		104	84.0	100
Relative Percent Difference		<0.1	3.4	<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.



 Chemist



 Date

H14908A RICE



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

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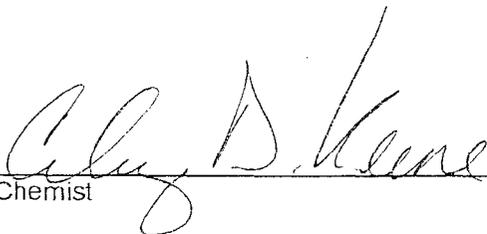
ANALYTICAL RESULTS FOR
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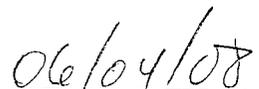
Receiving Date: 06/02/08
 Reporting Date: 06/04/08
 Project Owner: NOT GIVEN
 Project Name: VAC VENT F-34 BOOT
 Project Location: NOT GIVEN

Sampling Date: 05/30/08 & 06/02/08
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: CK
 Analyzed By: CK

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
	ANALYSIS DATE	06/03/08	06/03/08	06/03/08	06/03/08
H14908-1	5 PT BTTM COMP @ 12' BGS	<0.010	<0.010	<0.010	<0.030
H14908-2	4 WALL COMP @ 20X20X12	<0.010	<0.010	0.019	0.116
H14908-3	5 PT BLENDED BACKFILL	<0.010	<0.010	0.161	0.350
H14908-4	COMP N,S,E,W WALL @ 10'	<0.010	<0.010	0.024	0.165
	Quality Control	0.049	0.051	0.055	0.165
	True Value QC	0.050	0.050	0.050	0.150
	% Recovery	97.5	101	111	110
	Relative Percent Difference	1.6	3.7	1.7	0.9

METHOD: EPA SW-846 8260B


 Chemist


 Date

H14908B RICE

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2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: Vacuum
 Site: vent F-34 boot

Date: 5/30/2008
 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 20x20x12	NORTH wall	986				
	SOUTH wall	729				
	EAST wall	32.4	<0.010		0.019	0.116
	WEST wall	674				
			LAB COMPOSITE (mg/kg)			
			<0.010	<0.010	0.024	0.165

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)

CHLORIDE CONCENTRATION CURVE

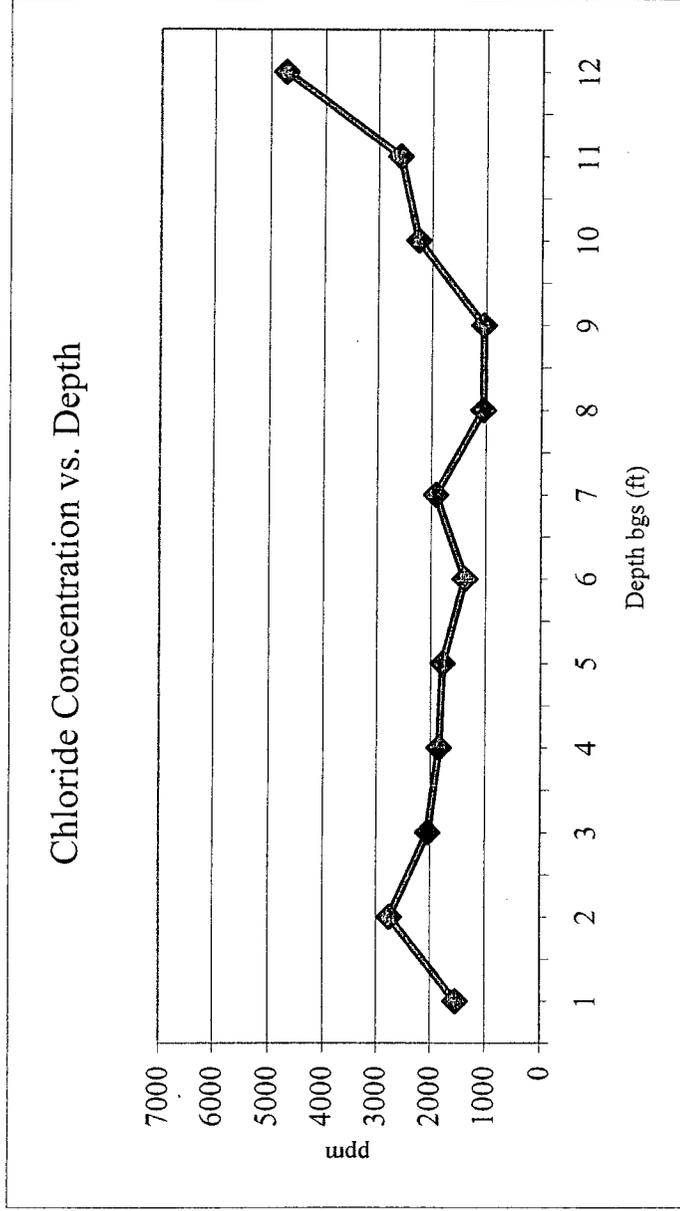
RICE Operating Company

Vacuum vent F-34 boot

unit 'F', Sec. 34, T17S, R35E

Backhoe samples at 10 ft south of the junction (source)

Depth bgs (ft)	Cl ⁻ ppm
1	1533
2	2749
3	2047
4	1842
5	1780
6	1375
7	1912
8	1049
9	1045
10	2253
11	2592
12	4720



Groundwater = 68 ft