

1R - 425-65

REPORTS

DATE:

12-16-08

57 18

Vacuum G-28 Vent

1R425-65

RECEIVED

MAR 23 1986

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	G-28 vent	G	28	17S	35E	Lea	no box; system abandonment		

LAND TYPE: BLM STATE X FEE LANDOWNER OTHER

Depth to Groundwater 70 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started	8/6/2007	Date Completed	4/2/2008	OCD Witness	no
--------------	----------	----------------	----------	-------------	----

Soil Excavated	178	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	3/7/2008	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.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	0.0	<10.0	<10.0	9,040
BOTTOM COMP.	0.0	<10.0	<10.0	8,000
BACKFILL COMP.	0.0	<10.0	<10.0	6,880

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	9,298
bottom comp.	12'	8,807
backfill comp.	n/a	6,300
background	6"	250
vertical delineation trench at 5 ft east of the junction (source)	3'	1,448
	4'	1,678
	5'	1,836
	6'	3,652
	7'	4,449
	8'	4,467
	9'	6,734
	10'	9,852
	11'	11,176
	12'	12,472

<p>General Description of Remedial Action: This junction box was addressed under the Vacuum SWD System abandonment. After the former 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, which yielded elevated chloride concentrations that did not relent with depth. Organic vapors were measured using a PID, which yielded low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH confirming elevated chloride concentrations. The excavated soil was returned to the excavation up to 4 ft below ground surface (BGS). At 4-ft deep self was excavated extending 10 ft out from the north, south, east, and west walls to prepare for the surface for a geosynthetic liner. At 4 ft BGS, the geosynthetic liner was installed with 6 inches of clean blow sand for padding above and below the liner. The remaining fill was returned to the excavation. Clean soil was imported and used as a top cap and to contour the site to the surrounding area. An identification plate was placed on the surface at the former junction box site to mark the presence of the geosynthetic liner below. NMOCD was notified of potential groundwater impact on 12/1/2008.</p>	vertical delineation trench at 5 ft east of the junction (source)	3'	1,448
		4'	1,678
		5'	1,836
		6'	3,652
		7'	4,449
		8'	4,467
		9'	6,734
		10'	9,852
		11'	11,176
		12'	12,472

ADDITIONAL EVALUATION IS MEDIUM PRIORITY

enclosures: photos, lab results, PID field screenings, cross-section, 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 KS

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 12-16-08

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

Vacuum G-28 vent

Unit G, Section 28, T17S, R35E



undisturbed junction box, facing north

9/15/2005



20x20x12-ft deep excavation, facing south

3/7/2008



30x30x4-ft deep excavation
prepared for geosynthetic liner, facing south

3/31/2008



geosynthetic liner installed, facing west

3/31/2008



backfilled excavation, facing west

4/2/2008



geosynthetic liner marker

4/2/2008



ARDINAL LABORATORIES

PHONE (575) 393-2226 • 101 E. MARLAND • HOBBS, NM 88240

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

COPY

Receiving Date: 03/07/08
Reporting Date: 03/10/08
Project Owner: NOT GIVEN
Project Name: VAC. VENT G-28
Project Location: NOT GIVEN

Sampling Date: 03/07/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: CK/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		03/07/08	03/07/08	03/09/07
H14404-1	5 PT. BTM. COMP. @ 12' BGS	<10.0	<10.0	8,000
H14404-2	4 WALL COMP. @ 20X20	<10.0	<10.0	9,040
H14404-3	5 PT. BLENDED BACKFILL	<10.0	<10.0	6,880
Quality Control		418	470	490
True Value QC		500	500	500
% Recovery		83.6	94.0	98.0
Relative Percent Difference		6.4	2.7	<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

H14404TOL RICE

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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Y
E
O
C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARNDTAL LABORATORIES

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

[illegible]

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

122 West Taylor Hobbs, NM 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471
PID METER CALIBRATION & FIELD REPORT FORM

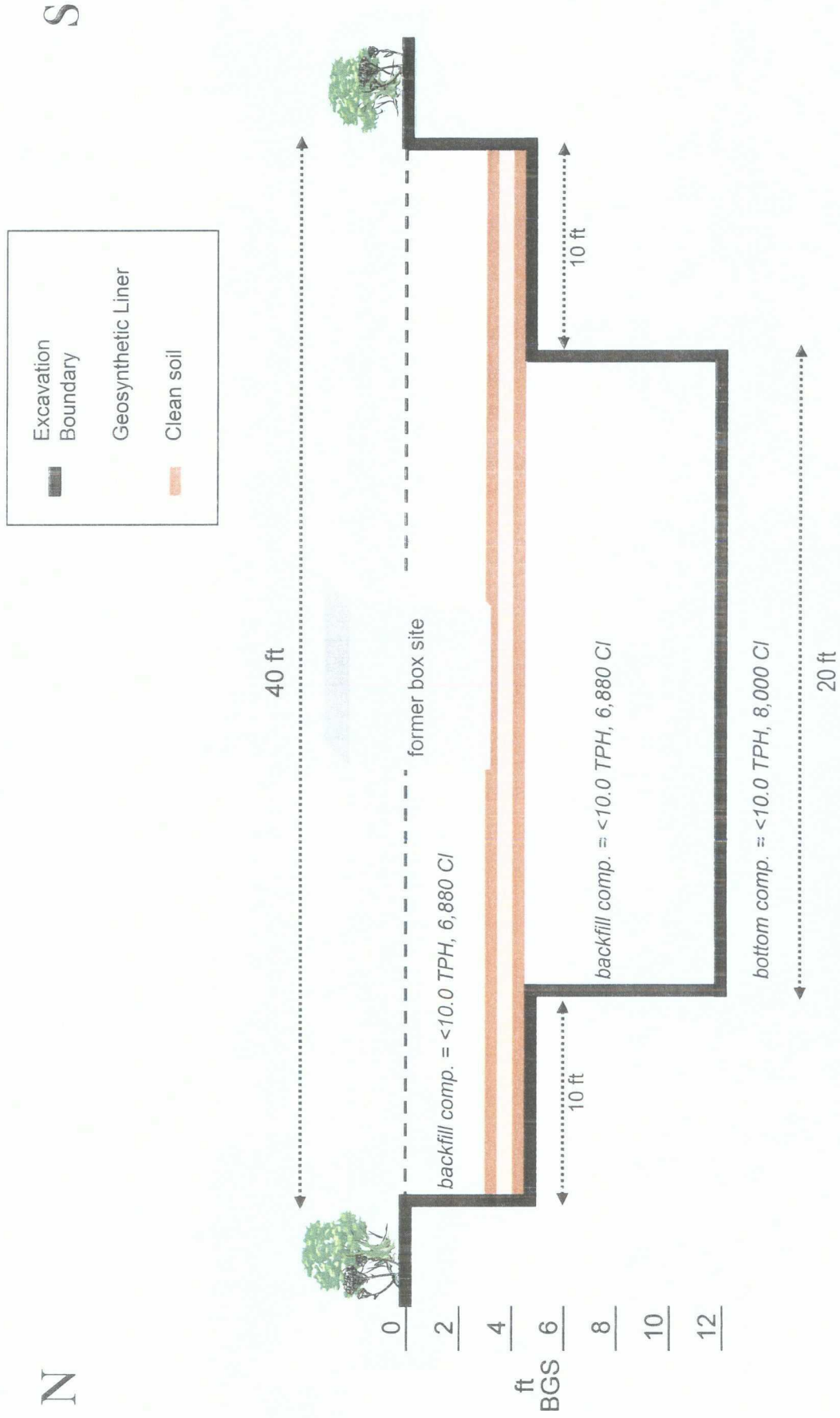
PID METER CALIBRATION & FIELD REPORT FORM

SERIAL NO: 110-012920

DATE: 3-7-08

Vacuum G-28 vent
Unit 'G', Sec. 28, T17S, R35E

Excavation Cross-Section



CHLORIDE CONCENTRATION CURVE

RICE Operating Company

Vacuum G-28 vent

Unit 'G', Sec. 28, T17S, R35E

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

Depth bgs (ft)	[Cl ⁻] ppm
3	1,448
4	1,678
5	1,836
6	3,652
7	4,449
8	4,467
9	6,734
10	9,852
11	11,176
12	12,472

Groundwater = 70 ft

