

1R - 426-203

# REPORTS

DATE:

11-7-08

BID Vent A-1  
(2 boxes)

/R426-203

RECEIVED

MAR 2 1970  
Environmental Division  
Oil Conservation Division

DISCLOSURE

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

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Blinebry-Drinkard (BD)	vent A-1 (2 boxes)	A	1	22S	36E	Lea	Length	Width	Depth
							eliminated		

Nymeyer Property %

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Nymeyer Property % Beverly Shaw OTHER \_\_\_\_\_

Depth to Groundwater 137 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 12/5/2007 Date Completed 2/6/2008 OCD Witness no

Soil Excavated 400 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed 192 cubic yards Offsite Facility Sundance Location Eunice, NM

**FINAL ANALYTICAL RESULTS:** Sample Date 1/9/2008 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.	0.5	<10.0	<10.0	3560
BOTTOM COMP.	0.0	<10.0	<10.0	3960
BACKFILL COMP.	2.4	<10.0	<10.0	2600

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	2988
bottom comp.	12'	3724
backfill comp.	n/a	2156
background	6"	140
vertical delineation trench at 5 ft north of the junction (source)	1'	1008
	2'	936
	3'	1556
	4'	2159
	5'	3128
	6'	2377
	7'	2436
	8'	2176
	9'	2881
	10'	3384
	11'	3713
	12'	4233

General Description of Remedial Action: These junctions were eliminated during the pipeline replacement/upgrade program. After the former junctions were removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals, producing a 30x30x12-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, yielding low concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH. The excavated soil was blended on-site and returned to the excavation up to 5 ft below ground surface. At 5-4 ft BGS, a 1-ft thick clay barrier was installed. The remaining fill was used to backfill the excavation to ground surface. Clean, imported blow sand was 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 site to mark the presence of the clay below. NMOCD was notified of potential groundwater impact on 11/4/2008.

**ADDITIONAL EVALUATION IS LOW PRIORITY**

enclosures: photos, lab results, PID field screenings, cross-section, clay test, 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 11/17/08

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



## BD vent A-1

Unit A, Section 1, T22S, R36E



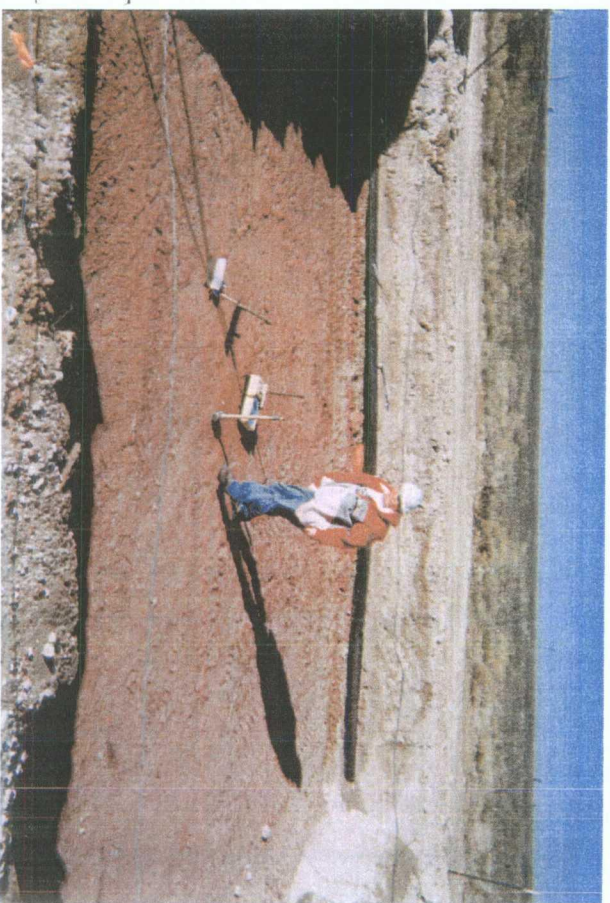
undisturbed junction boxes

2/15/2006



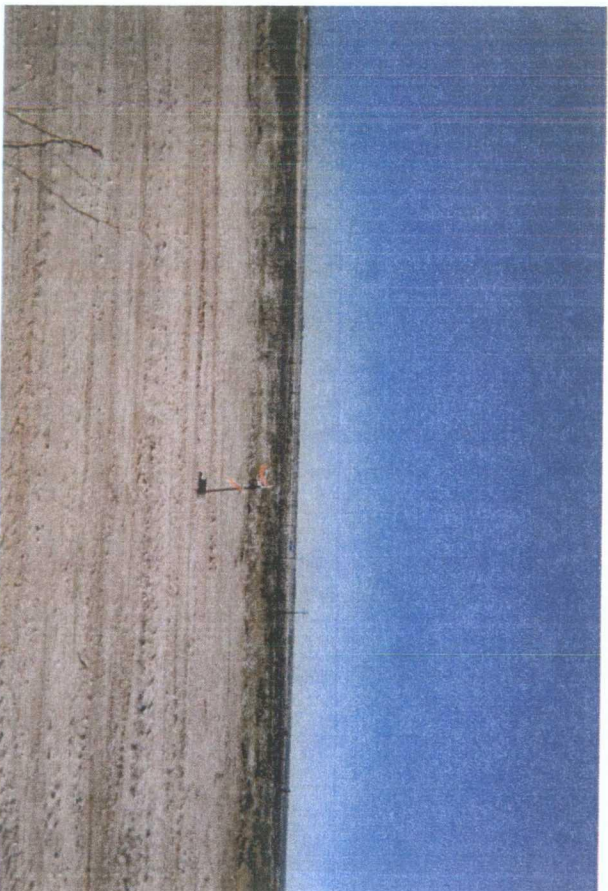
delineation trench at former junction site

1/9/2008



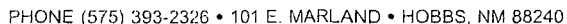
clay density test

1/29/2008



site complete with clay marker

2/6/2008



COPY

Sampling Date: 01/09/08  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: CK/HM

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

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

JAN 17 2003

01/11/08  
Date

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.





# RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

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

PID METER CALIBRATION & FIELD REPORT FORM

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

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 07-3353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 101.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	VENT A-1	A	1	22S	36E488 37E

SAMPLE ID	PID	SAMPLE ID	PID
FINAL SAMPLES OF EXCAVATION @ 30'L X30'WX12'bgs			
N WALL COMP	0		
S WALL COMP	0		
E WALL COMP	0		
W WALL COMP	0		
5PT BTM COMP @ 12'bgs	0		
4 WALL COMP @ 30X30	0.5		
BLENDED BACKFILL	2.4		

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

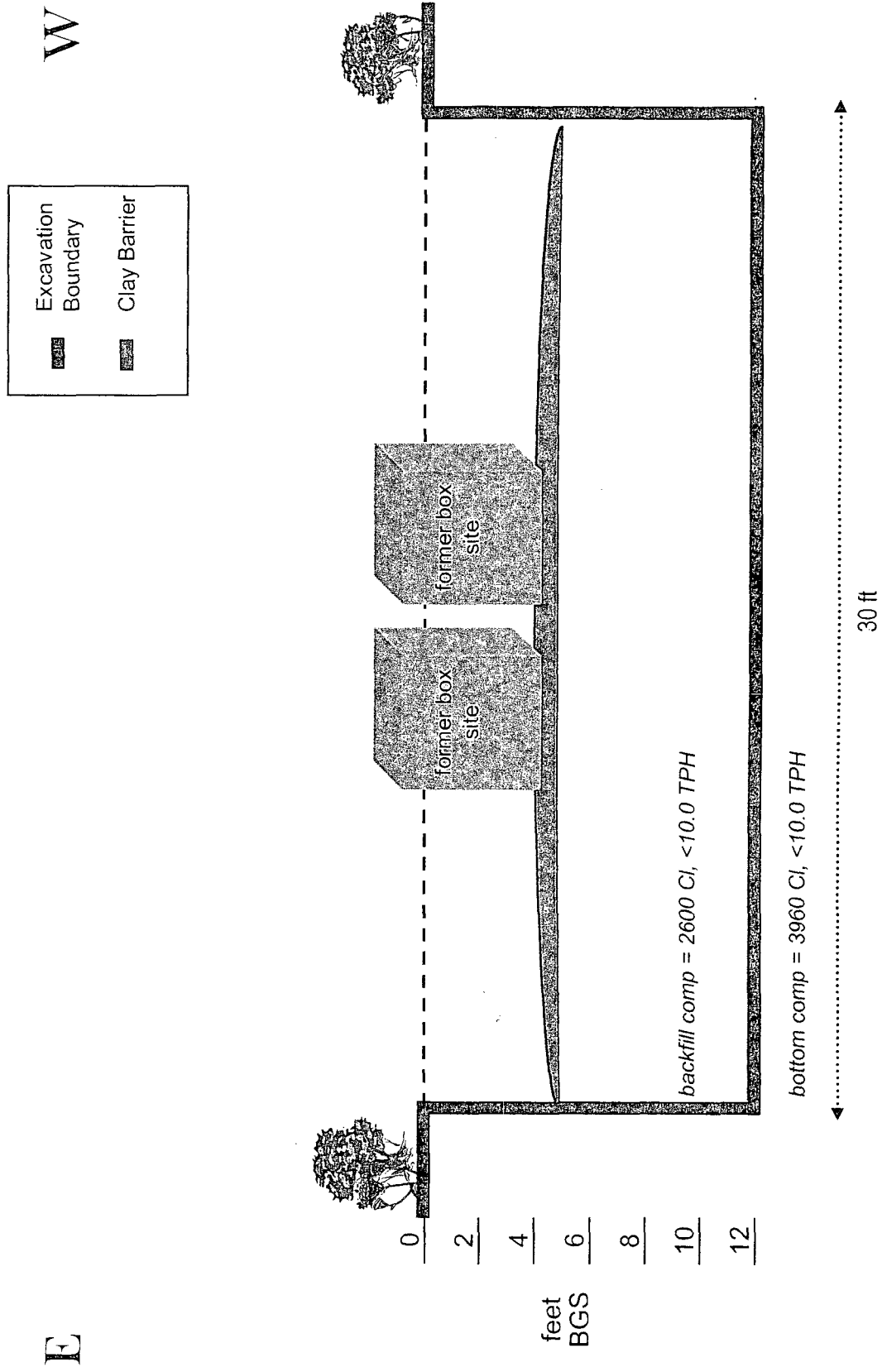
SIGNATURE:

Ray R. RASCON

DATE: 1-9-08

BD vent A-1  
Unit 'A', Sec. 1, T22S, R36E

### Excavation Cross-Section







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



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

**To:** Rice Operating  
Attn: Hack Conder  
122 W. Taylor  
Hobbs, NM 88240

**Material:** Red Clay

**Project:** Monitor Well  
Project No. 2008.1018

**Test Method:** ASTM: D 2922

**Date of Test:** January 29, 2008

**Depth:** See Below

**Depth of Probe:** 12"

Test No.	Location	Dry Density % Max	% Moisture	Depth
SG 1	BD Vent A1 - 15' N. & 15' E. of SW Corner	99.1	12.7	FSG

FEB 11 2008

COPY

**Control Density:** 104.4  
ASTM: D 698

**Optimum Moisture:** 20.3%

**Required Compaction:** 95%

**Densometer ID:** 5357  
PETTIGREW & ASSOCIATES

**Lab No.:** 08 1421-1422

**Copies To:** Rice Operating

BY: Erica M. Nant  
BY: William M. Hicks P.E.

# CHLORIDE CONCENTRATION CURVE

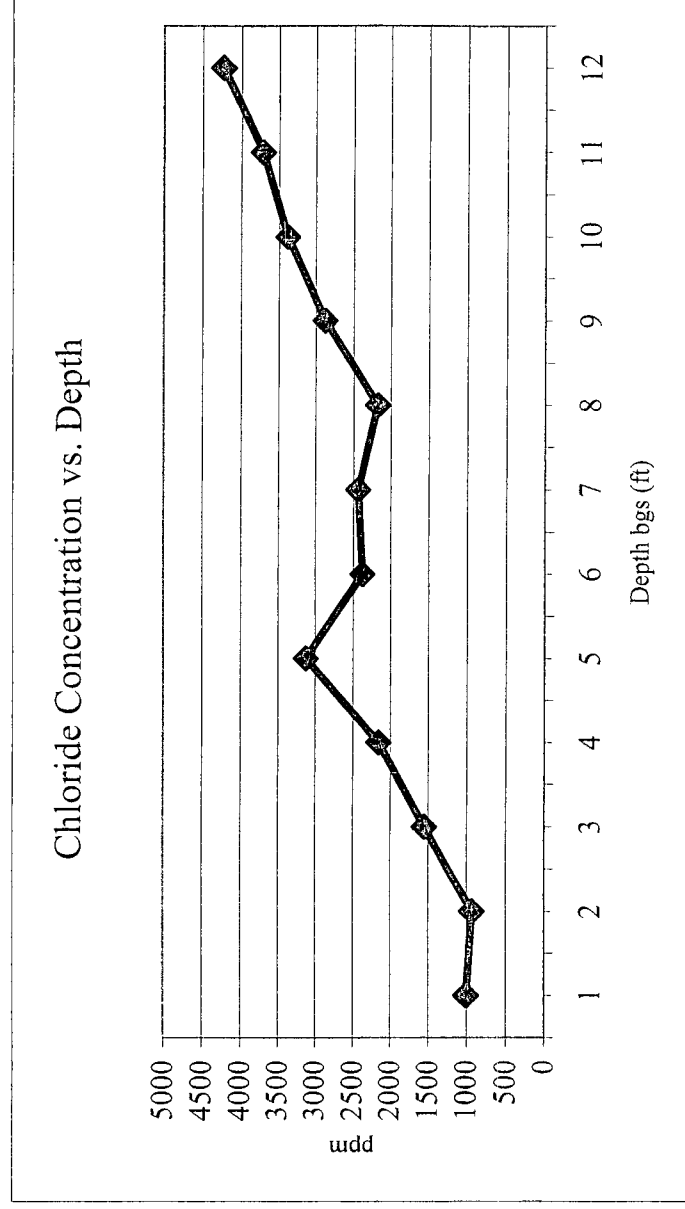
RICE Operating Company

## BD vent A-1

Unit 'A', Sec. 1, T22S, R36E

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

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
1	1008
2	936
3	1556
4	2159
5	3128
6	2377
7	2436
8	2176
9	2881
10	3384
11	3713
12	4233



Groundwater = 137 ft