

1R - 426-217

REPORTS

DATE:

1-21-09

BD Vent J-30

/R426-217

RECEIVED

MAR 25 2004

Environmental Protection
Oil Conservation Council

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 J-30	J	30	21S	37E	Lea	Length	Width	Depth
							moved 20 ft east		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Nymeyer Properties % Beverly Shaw OTHER _____

Depth to Groundwater 99.45 feet NMOCD SITE ASSESSMENT RANKING SCORE: 30*

Date Started 2/26/2007 Date Completed 4/18/2007 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 3/13/2007, 4/18/2007 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	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP	<10.0	<10.0	2520
BOTTOM COMP	<10.0	<10.0	5440
BACKFILL	<10.0	<10.0	3080
SOIL BORE # 1 at 40'			608
SOIL BORE # 2 at 85'			1200

LOCATION	DEPTH	mg/kg
soil bore # 2 25 ft west of junction (source)	15'	1903
	20'	3269
	25'	4075
	30'	5032
	35'	3009
	40'	3594
	45'	2971
	50'	2475
	55'	1662
	60'	1298
	65'	1725
	70'	1877
	75'	1877
	80'	1542
	85'	1475
	90'	1561

General Description of Remedial Action: This junction was addressed under the pipeline replacement/upgrade program. A new, watertight junction box was installed 20 ft east of the former. After the former box was 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, which yielded elevated levels of chloride that did not relent with depth. Organic vapors were measured using a PID, which yielded generally low concentrations. Representative composite samples were sent to a commercial laboratory for analysis. The excavated soil was blended on-site and returned to the excavation up to 6 ft below ground surface. At 6-5 ft BGS, a 1-ft-thick clay barrier was installed. The remaining fill was blended with clean, imported soil and return to the excavation to ground surface and contoured to the surrounding area.

On 3/16/2007, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. To further investigate depth of chloride presence, two soil borings were initiated on 4/18/2007 at 25 ft south (SB 1) and 25 ft west (SB 2) of the former junction. SB 1 was advanced to 40 ft BGS and SB 2 was advanced to 90 ft BGS while soil samples were collected every 5 ft and tested for chloride concentrations. SB 1 at 40 ft and SB 2 at 85 ft were sent to a commercial laboratory for analysis, which confirmed elevated chloride concentrations. Each bore hole was plugged with bentonite to ground surface. NMOCD was notified of potential groundwater on 8/5/2008.

*One inactive water well 500 ft southeast.

ADDITIONAL EVALUATION IS HIGH PRIORITY

enclosures: photos, cross-section, lab results, boring data, chloride curve

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

SITE SUPERVISOR Darnell Mitchell SIGNATURE Darnell Mitchell COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 1-21-09

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

BD vent J-30

Unit J, Section 30, T21S, R37E



undisturbed junction box, facing north

3/20/2006



taking vertical sample

3/6/2007



squaring excavation

3/9/2007



backfilling excavation up to 6 ft BGS

3/14/2007

BD vent J-30

Unit J, Section 30, T21S, R37E



clay barrier being installed

3/15/2007



soil boring with new, watertight
junction box in background

4/18/2007



seeding backfilled site

3/16/2007



plugging bore hole with bentonite

4/18/2007

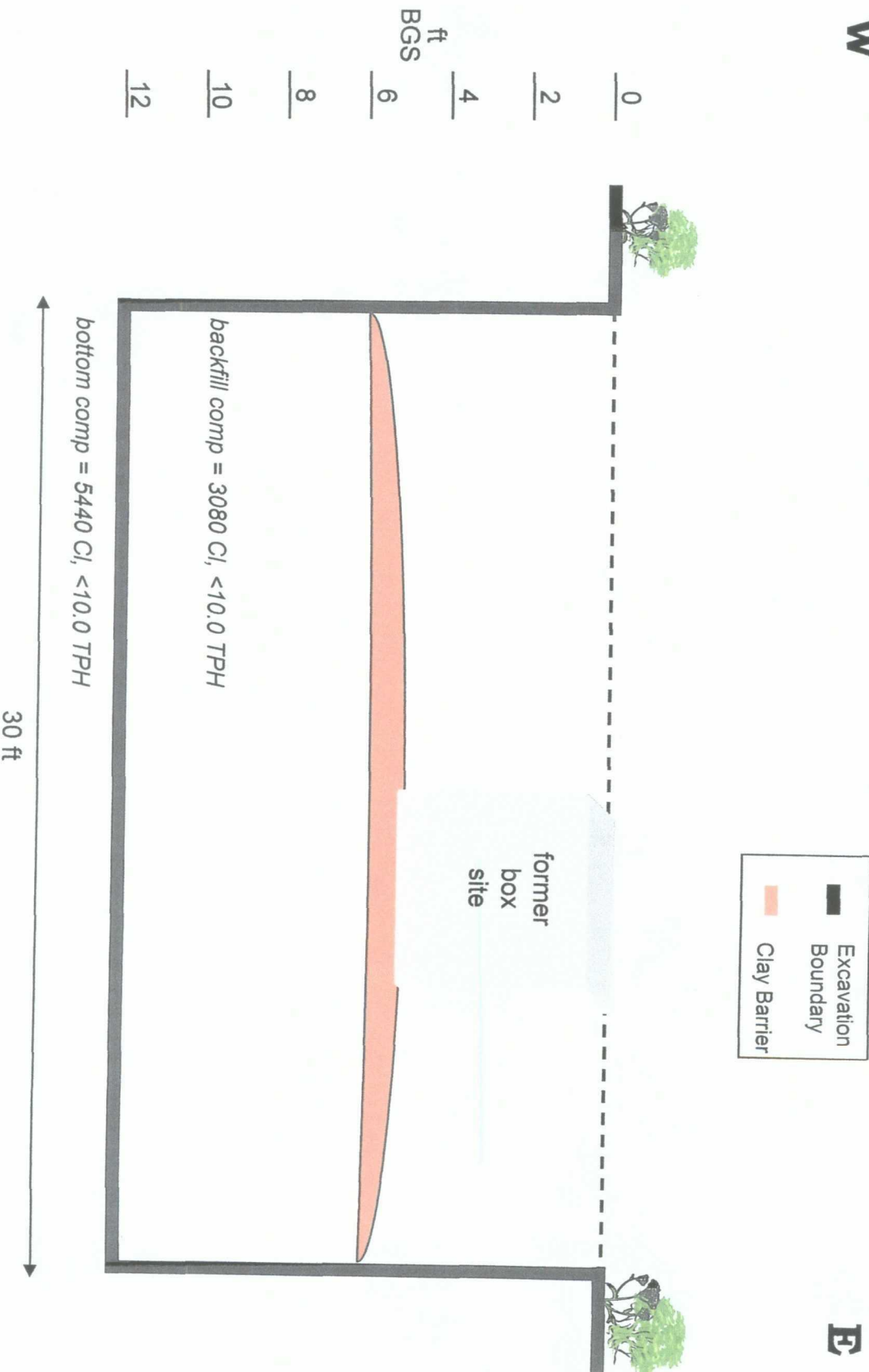
BD vent J-30

Unit J, Section 30, T21S, R37E

Excavation Cross-Section

W

E





PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: ROY R. RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

COPY

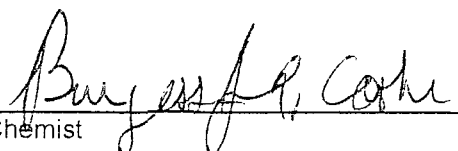
Receiving Date: 03/13/07
Reporting Date: 03/14/07
Project Number: NOT GIVEN
Project Name: BD JCT VENT J-30
Project Location: NOT GIVEN

Sampling Date: 03/13/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		03/14/07	03/14/07	03/14/07
H12324-1	5 PT BOTTOM COMP.	<10.0	<10.0	5440
H12324-2	4 WALL COMP.	<10.0	<10.0	2520
H12324-3	BACKFILL BLEND	<10.0	<10.0	3080
Quality Control		742	760	490
True Value QC		800	800	500
% Recovery		92.8	95.0	98.0
Relative Percent Difference		2.5	1.7	1.0

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

3/14/07
Date

H12324

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page _____ of _____

ORDINAL LABORATORIES, INC.

2111 Beachwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240

(325) 673-7001 Fax (325) 673-7020 (505) 393-2326 Fax (505) 393-2476

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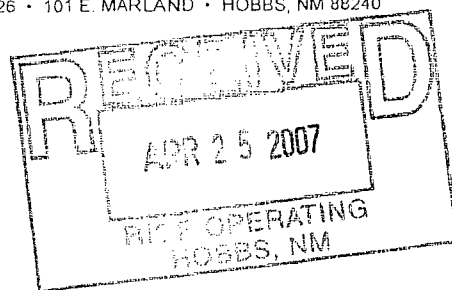
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ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: ROY RASCON
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471



Receiving Date: 04/20/07
Reporting Date: 04/20/07
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: BD-J-30 VENT

Analysis Date: 04/20/07
Sampling Date: 04/18/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: HM

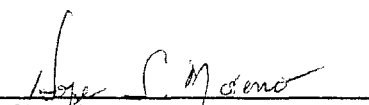
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LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/Kg)
H12487-1	SB #1 @ 40'	608
H12487-2	SB #2 @ 85'	1200
Quality Control		480
True Value QC		500
% Recovery		96
Relative Percent Difference		2.1

METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist

04-20-07
Date

H12487

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SOIL BORE DATA SHEET

SYSTEM: BD		LOCATION: J-30 VENT		LANDOWNER:	
DGW: 100ft		GPS: 32°26.808N 103°11.971W		SB/MW ID: SB #2	
UL J		SEC. 30		TOWNSHIP 21S	
				RANGE 37E	

DEPTH(ft)	SOIL	WATER	RATIO	AgNO ₃	Cl ⁻	PID	TIME	SAMPLE DESCRIPTION
15	10	30.7	3.07	0.62	1903	N/A	2:25	Red;dry; VFG sand, generally uncon.; well sorted; many pebbles (0.5-2cm) of well cmted sand and caliche
20	10	30	3.00	1.09	3269	N/A	2:27	Generally same as 15', except larger % (25%) pebble-size grns
25	10.1	30.5	3.02	1.35	4075	N/A	2:28	Generally same as 15', except few pebble-size grns
30	10.2	30.2	2.96	1.7	5032	N/A	2:30	Same as 25'
35	10.7	30.1	2.81	1.07	3009	N/A	2:35	Tan;dry;VFG sand; uncon; generally well sorted w/ moderate amt larger pebbles
40	10.8	30.1	2.79	1.29	3594	N/A	2:40	Same as 35' except few pebbles
45	10.6	31.5	2.97	1	2971	N/A	2:57	Tan/reddish;dry; VFG sand; uncon; well sorted
50	10.1	30.5	3.02	0.82	2475	N/A	2:58	Same as 45'
55	10.7	31.2	2.92	0.57	1662	N/A	3:00	Red;dry; VFG sand, generally uncon.; well sorted;few pebbles (0.5-2cm) of well cmted sand
60	10.5	30.3	2.89	0.45	1298	N/A	3:02	Same as 55'
65	10.5	30.2	2.88	0.6	1725	N/A	3:07	Same as 55' except slightly damp
70	10.5	30.8	2.93	0.64	1877	N/A	3:25	Same as 55' except damp
74	10.2	30.4	2.98	0.63	1877	N/A	3:30	Tan;dry;VFG sand; uncon; well sorted
80	10.5	30	2.86	0.54	1542	N/A	3:55	Reddish tan; dry; VFG sand, uncon; well sorted
85	10.3	30.4	2.95	0.5	1475	N/A	4:00	Same as 80'
90	10.9	30.4	2.79	0.56	1561	N/A	4:10	Same as 80'

TD @ 90 ft.

NOTES: Plugged with 6 bags of bentonite
 85' sample bottled for lab analysis (Chlorides)
 Sandstone layer 75'-77'

SIGNATURE: Tony Grieco DATE: 4/18/2007

COPY

SOIL BORE DATA SHEET

SYSTEM: BD		LOCATION: J-30 VENT	LANDOWNER:
DGW: 100ft	GPS: 32°26.801N 103° 11.968W		SB/MW ID: SB #1
UL J	SEC. 30	TOWNSHIP 21S	RANGE 37E

[illegible] TD @ | 40 | ft. |

NOTES: Plugged with 3 bags of bentonite
40' sample jarred for lab analysis (chlorides)

SIGNATURE: Tony Grieco **DATE:** 4/18/2007

CHLORIDE CONCENTRATION CURVE

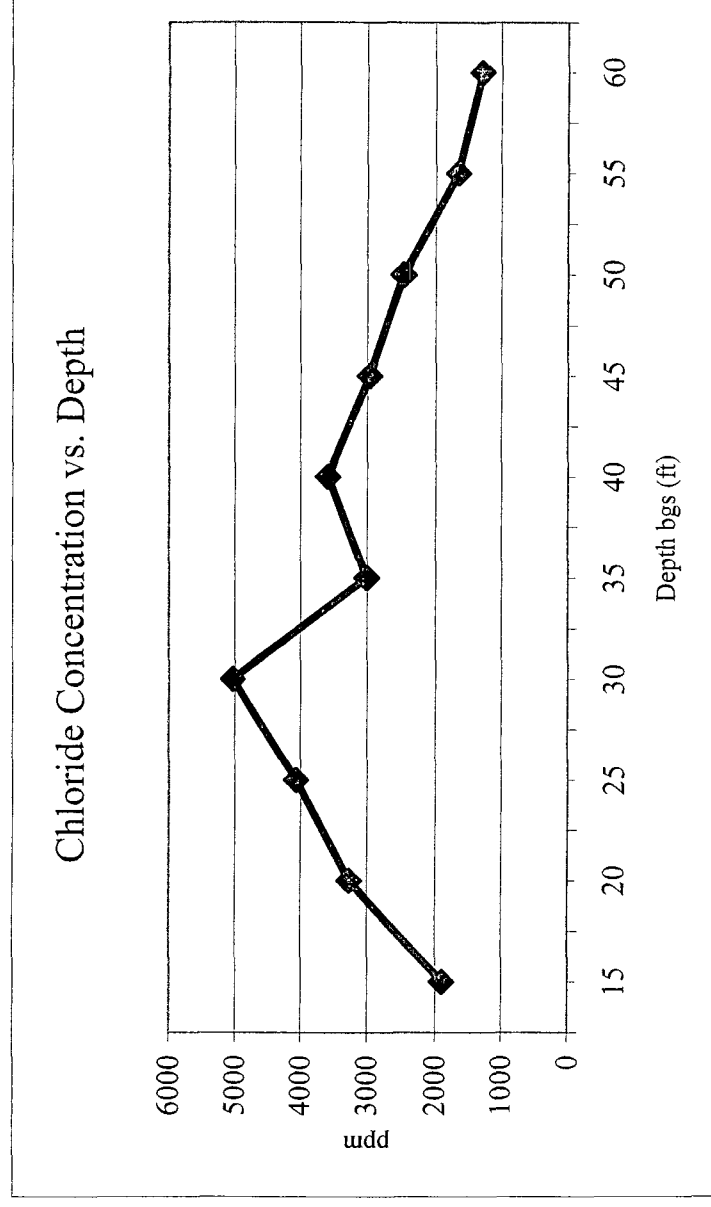
RICE Operating Company

BD vent J-30

unit 'J', Sec. 30, T21S, R37E

Soil boring samples at 25 ft west of junction (source)

Depth bgs (ft)	Cl ppm
15	1903
20	3269
25	4075
30	5032
35	3009
40	3594
45	2971
50	2475
55	1662
60	1298
65	1725
70	1877
75	1877
80	1542
85	1475
90	1561



Groundwater = 99.45 ft