

1R - 426-257

REPORTS

DATE:

2-25-10

BD Jet L-30-2

2009

RECEIVED

1R426-257

2009 - 2010
Environmental
Oil Conservation

DISCLOSURE

RECEIVED

RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT

APP - 5 2010

Environmental Bureau

BOX LOCATION							BOX DIMENSIONS, FEET		
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	Length 6'	Width 8'	Depth 3'
Blinebry-Drinkard (BD)	Jct. L-30-2	L	30	21S	37E	Lea	eliminated		

LAND TYPE: BLM STATE FEE LANDOWNER Nymeyer Properties OTHER

Depth to Groundwater 148 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 3/16/2007 Date Completed 4/19/2007 OCD Witness no

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

Soil Disposed 42 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 3/23/2007 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	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	65.6	<10.0	168	1,470
BOTTOM COMP.	9.6	<10.0	146	3,900
BLENDED BACKFILL	9.8	<10.0	128	928

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	1656
bottom comp.	12 ft	3695
blended backfill	n/a	866
background	6"	60
SB # 2 at 20 ft east of the junction (4/19/2007)	15'	1,793
	20'	2,404
	25'	1,520
	30'	1,192
	35'	1,062
	40'	1,020
	45'	865
	50'	966
	55'	1,412
	60'	1,660
	65'	2,343
	70'	2,072
75'	1,901	
80'	2,124	

General Description of Remedial Action: This junction was eliminated during the pipeline replacement/upgrade program. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 20x20x12-ft excavation. Chloride field tests performed on each sample yielded elevated concentrations. 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. The excavated soil was blended on site and returned to the excavation up to 6 ft below ground surface (BGS). At 6-5 ft BGS, a 1-ft thick clay barrier was installed. The remaining fill was returned to the excavation and clean, imported soil 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 clay below. On 4/4/2007, 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 bores were initiated on 4/19/2007 at 15 ft north and 20 ft east of the former junction box. The borings were advanced to a depth of 80 ft BGS while soil samples collected every 5 ft and field tested for chlorides. The 70 ft sample from each boring was sent to a commercial laboratory for analysis of chloride which confirmed elevated concentrations. The entire bore hole was plugged with bentonite to the ground surface. NMOCD was notified of potential groundwater impact on 2/19/2010.

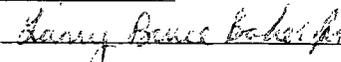
ADDITIONAL EVALUATION IS MEDIUM PRIORITY

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

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

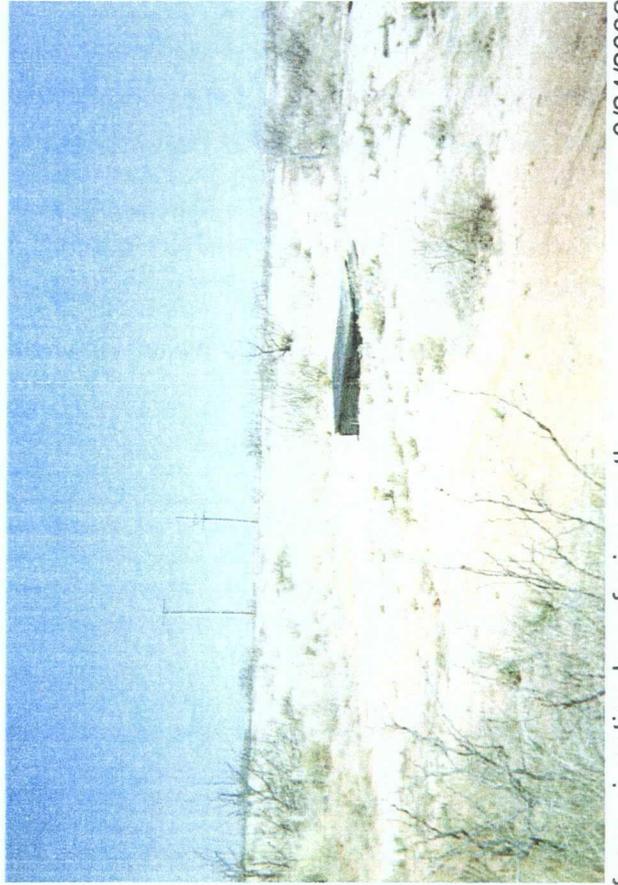
SITE SUPERVISOR Noel Carmona SIGNATURE  COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL 

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE  DATE 2-25-10

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

BD Jct. L-30-2
Unit L, Section 30, T21S, R37E



former junction box, facing north

3/24/2006



20x20x12-ft excavation being backfilled

4/2/2007



seeding backfilled site

4/4/2007



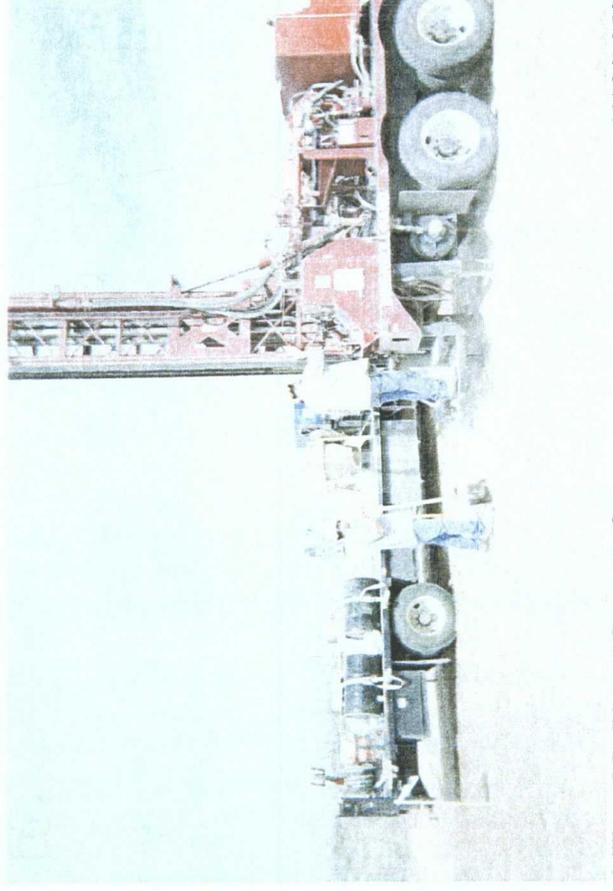
clay marker at the former junction box site

4/4/2007



drilling SB # 1, 15 ft north of source

4/19/2007



drilling SB #2, 20 ft east of source

4/19/2007

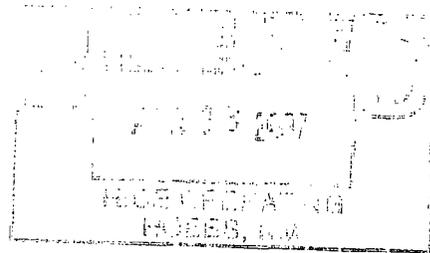
20 x 20 x 12 #



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



Receiving Date: 03/28/07
Reporting Date: 03/30/07
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: B.D. JCT L-30-2

Sampling Date: 03/23/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: LB
Analyzed By: BC/HM

COPY

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
	ANALYSIS DATE	03/29/07	03/29/07	03/29/07
H12395-1	5 PT BTTM COMP	<10.0	146	3900
H12395-2	4 WALL COMP	<10.0	168	1470
H12395-3	BLENDED BACKFILL	<10.0	128	928
	Quality Control	783	791	490
	True Value QC	800	800	500
	% Recovery	98.9	97.9	98.0
	Relative Percent Difference	1.3	0.4	1.0

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

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

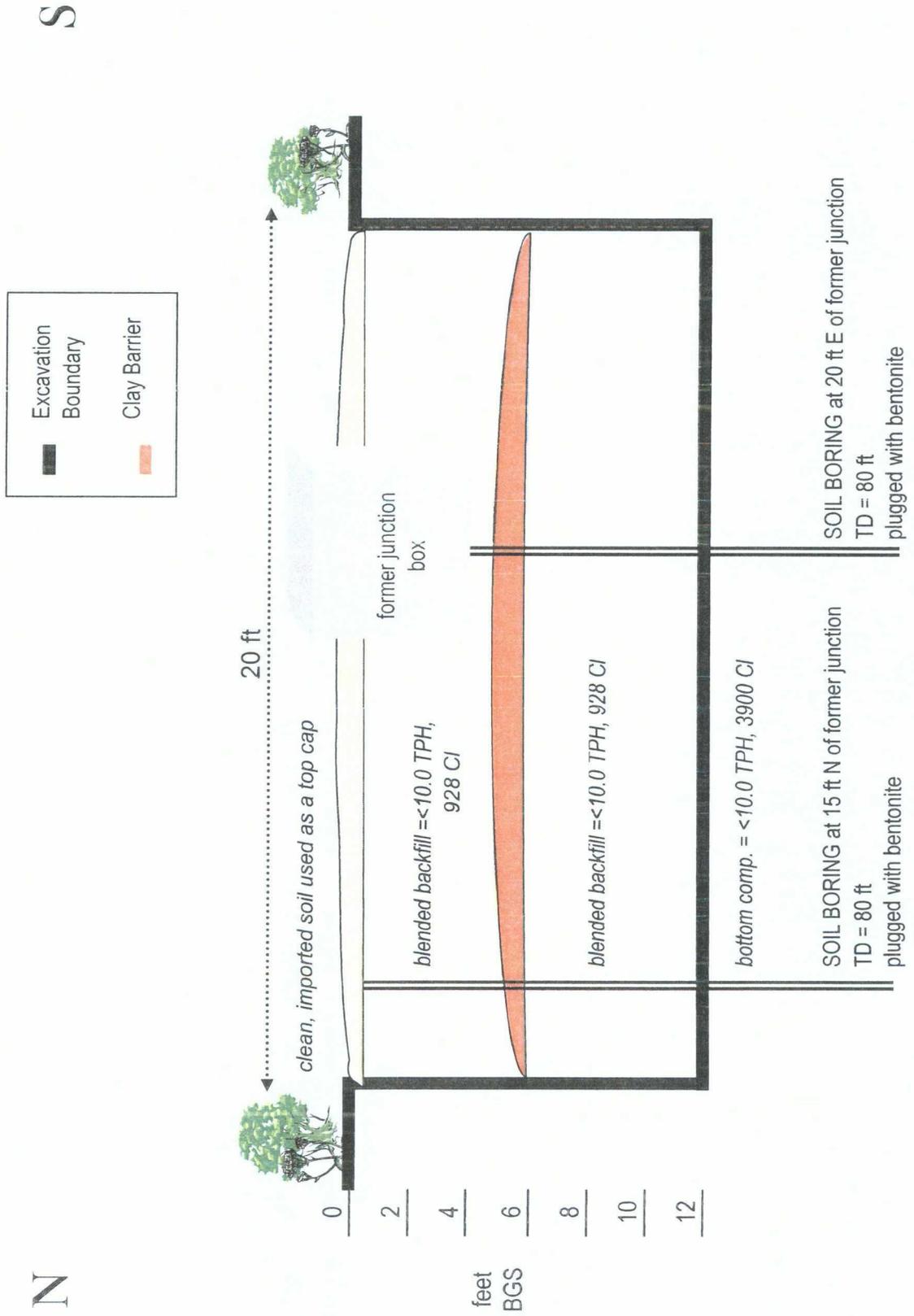
Beyette
Chemist

3/30/07
Date

H12395

BD Jct. L-30-2
 Unit 'L', Sec. 30, T21S, R37E

Excavation Cross-Section



CHLORIDE CONCENTRATION CURVE

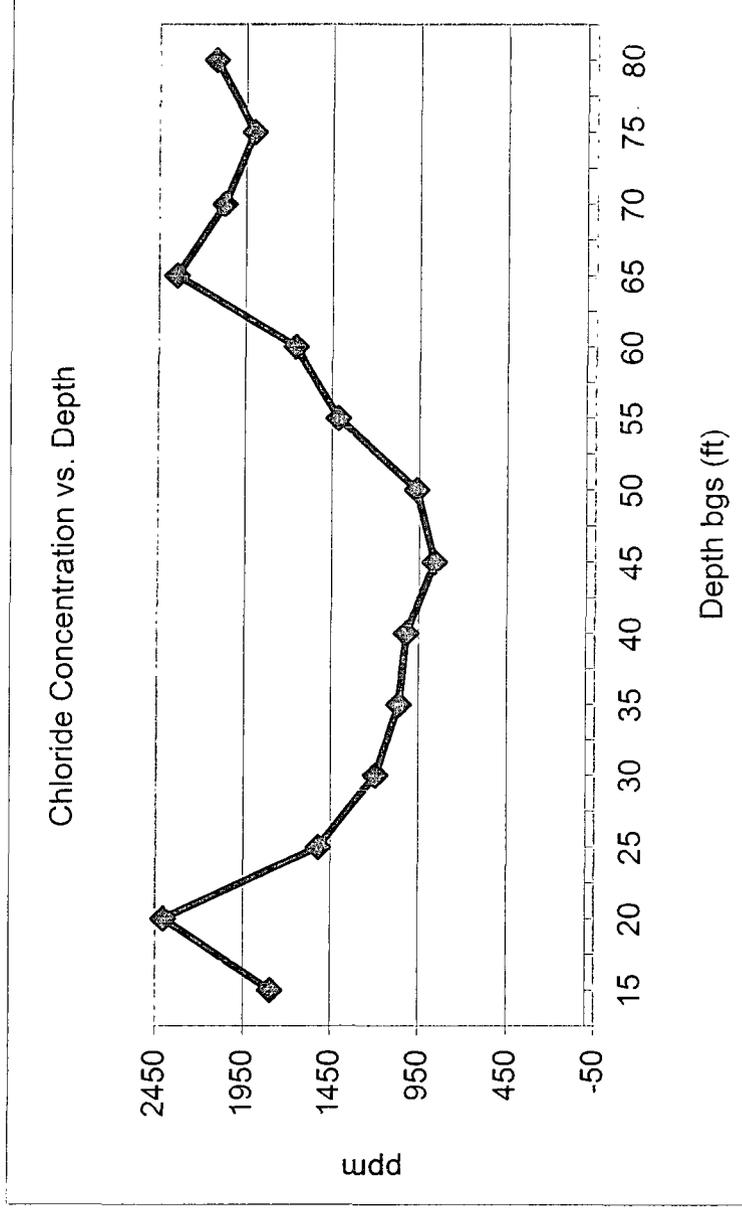
RICE Operating Company

BD Jct. L-30-2

Unit 'L', Sec. 30, T21S, R37E

Soil Boring samples at 20 ft east of the junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
15	1793
20	2404
25	1520
30	1192
35	1062
40	1020
45	865
50	966
55	1412
60	1660
65	2343
70	2072
75	1901
80	2124



Groundwater = 148 ft