

1R - 426-291

REPORTS

DATE:

2-28-11

1R426-291

BD Jct. E-21

2010

RECEIVED

APR -1 2011

**Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505**

CLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Blinebry-Drinkard (BD)	Jct. E-21	E	21	22S	37E	Lea	Eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Millard Deck OTHER _____

Depth to Groundwater 64 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 4/14/2009 Date Completed 8/17/2010 OCD Witness no

Soil Excavated 66.7 cubic yards Excavation Length 15 Width 10 Depth 12 feet

Soil Disposed 0 cubic yards Offsite Facility NA Location _____

FINAL ANALYTICAL RESULTS: Sample Date 7/29/2010 Sample Depth 12 ft

TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
BOTTOM COMP.	3.2	<10.0	49.1	240
BLENDED BACKFILL	5.5	<10.0	26.9	128
4-WALL COMP.	3.8	<10.0	430	304

CHLORIDE FIELD TESTS		
LOCATION	DEPTH	mg/kg
Bottom Comp.	12'	450
Blended Backfill	NA	360
4 Wall Comp.	NA	295
vertical delineation trench at 5' east of the former junction (Source)	2'	109
	4'	116
	6'	312
	8'	219
	10'	275
	12'	249

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 samples at regular intervals producing a 15X10X12-ft. deep excavation. Chloride field test performed on each sample yielded relatively low concentrations. Organic vapors were measured using a PID, which yielded low concentrations. The excavated soil was blended on site and representative samples were collected from the blended backfill, the bottom of the excavation, and excavation walls. The representative samples were sent to a commercial laboratory for analysis of chloride and TPH, which confirmed low concentrations of each. The blended backfill was returned to the excavation to ground surface and contoured to the surrounding area. On 9/16/2010, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

enclosures: photos, lab results, PID (field) screenings, chloride graph

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

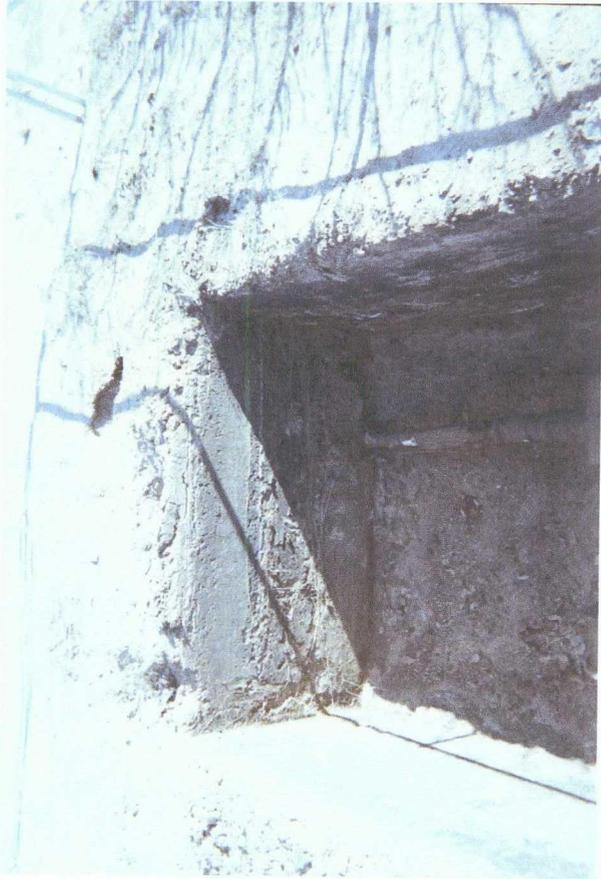
SITE SUPERVISOR Joe Gatts SIGNATURE not available COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LBB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 2-28-11

BD Jct E-21

Unit E, Section 22, T22S, R37E



Site Prior to Excavation

3/04/2008



Delineation trench being excavated

7/23/2010



Backfilling excavation

8/17/2010



Seeding excavation

9/16/2010

Analytical Results For:

Rice Operating Company
 Bruce Baker
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 07/30/2010
 Reported: 08/06/2010
 Project Name: BD JCT E-21 22/37
 Project Number: NOT GIVEN
 Project Location: BD JCT E-21 22/37

Sampling Date: 07/29/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 5 PT. BOTTOM @ 12' BGS (H020478-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/03/2010	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK							QM-05
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	08/04/2010	ND	185	92.4	200	4.17			
DRO >C10-C28	49.1	10.0	08/04/2010	ND	188	93.8	200	3.81			

Surrogate: 1-Chlorooctane 71.1 % 70-130
 Surrogate: 1-Chlorooctadecane 87.9 % 70-130

Sample ID: 4 WALL COMP (15X10) (H020478-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/03/2010	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/04/2010	ND	185	92.4	200	4.17		
DRO >C10-C28	430	10.0	08/04/2010	ND	188	93.8	200	3.81		

Surrogate: 1-Chlorooctane 77.5 % 70-130
 Surrogate: 1-Chlorooctadecane 102 % 70-130

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*=Accredited Analyte

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Celestine D. Keene, Lab Director/Quality Manager

Analytical Results For:

Rice Operating Company
 Bruce Baker
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 07/30/2010
 Reported: 08/06/2010
 Project Name: BD JCT E-21 22/37
 Project Number: NOT GIVEN
 Project Location: BD JCT E-21 22/37

Sampling Date: 07/29/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: BLENDED BACKFILL (H020478-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/03/2010	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/04/2010	ND	185	92.4	200	4.17		
DRO >C10-C28	26.9	10.0	08/04/2010	ND	188	93.8	200	3.81		

Surrogate: 1-Chlorooctane 77.6 % 70-130
 Surrogate: 1-Chlorooctadecane 90.7 % 70-130

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
 PHONE: (575) 393-9174 FAX: (575) 397-1471
 PID METER CALIBRATION & FIELD REPORT FORM

Check Model Number:

Model: PGM 7300 Serial No: 590-000183
 Model: PGM 7300 Serial No: 590-000508
 Model: PGM 7300 Serial No: 590-000504

✓

Model: PGM 7600 Serial No: 110-023920
 Model: PGM 7600 Serial No: 110-013744
 Model: PGM 7230 Serial No: 592-903318

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: <i>928547</i>	EXPIRATION DATE: <i>2/04/13</i>
FILL DATE:	METER READING ACCURACY: <i>100.1</i>

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
<i>BD</i>	<i>E-21</i>	<i>E</i>	<i>21</i>	<i>22</i>	<i>37</i>

SAMPLE ID	PID	SAMPLE ID	PID
<i>Bottom Comp @ 12' bgs</i>	<i>3.2</i>		
<i>4 WALL comp 15x10</i>	<i>3.8</i>		
<i>Blended Backfill</i>	<i>5.5</i>		

COPY

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

SIGNATURE: *Joe Sattis*

DATE: *7/29/10*

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

BD Jct. E-21

Unit 'E', Sec. 21, T22S, R37E

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

Depth bgs (ft)	[Cl ⁻] ppm
2	109
4	116
6	312
8	219
10	275
12	249

Groundwater = 64 ft

