

1R - 426-188

REPORTS

DATE:

12-30-08

18

BD METEX Mattern EOL

1R426-188

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MAR 25 2009
Environmental Bureau
Oil Conservation Division

CLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Blinebry-Drinkard (BD)	METEX Matern EOL	K	7	22S	37E	Lea	Length 4'	Width 4'	Depth 3'
							moved 30 ft South		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Colonial Securities Co. OTHER _____

Depth to Groundwater 126 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 7/1/2008 Date Completed 8/6/2008 OCD Witness no

Soil Excavated 133.3 cubic yards Excavation Length 15 Width 20 Depth 12 feet

Soil Disposed 12 cubic yards Offsite Facility Sundance Location Eunice, NM

7/30/2008,

FINAL ANALYTICAL RESULTS: Sample Date 7/31/2008, 8/1/2008 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	Chloride mg/kg
4-WALL COMP.	0.2	<10.0	<10.0	144
BOTTOM COMP.	0.1	<10.0	<10.0	480
BLENDED BACKFILL	0.2	<10.0	<10.0	176

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	256
bottom comp.	12'	485
blended backfill	n/a	392
background	1'	85
vertical delineation trench at 10 ft west of the junction (source)	1'	111
	2'	201
	3'	197
	4'	202
	5'	178
	6'	275
	7'	232
	8'	237
	9'	256
	10'	114
	11'	199
	12'	168

General Description of Remedial Action: This junction box was addressed during the pipeline replacement/upgrade program. A new, watertight junction box was built 30 ft South of the former. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals producing a 15x20x12-ft-deep excavation. Chloride field tests were performed on each sample, which yielded generally low concentrations. 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, which confirmed low concentrations. The excavated soil was blended on-site with clean, imported soil. The blended backfill was returned to the excavation to ground surface and contoured to the surrounding area. On 10/6/2008, 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 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 12-30-08

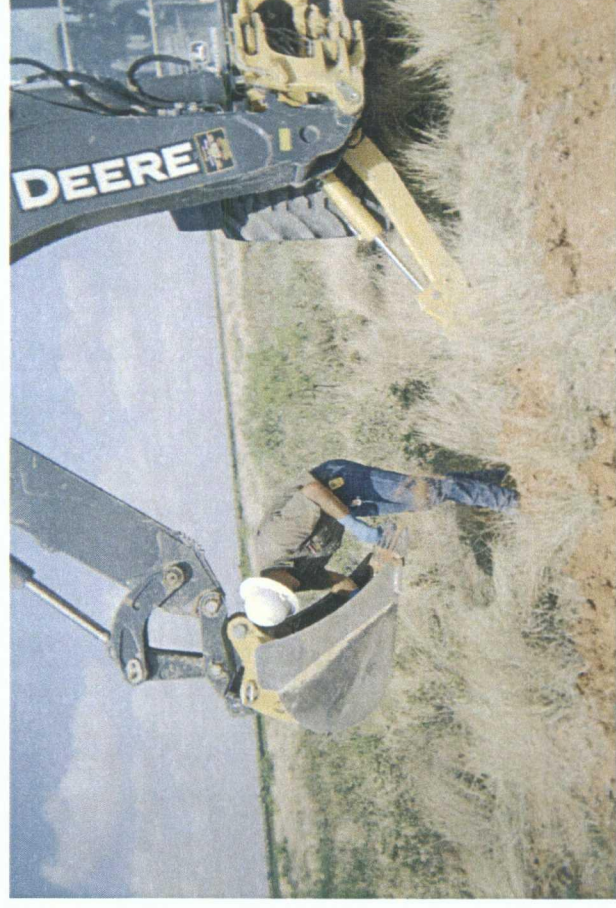
BD METEX Mattern EOL

Unit K, Section 7, T22S, R37E



former junction box

6/25/2008



collecting soil samples

7/1/2008



squaring 20x15x12-ft excavation

7/30/2008



backfilling excavation

8/6/2008



seeding backfilled site

10/1/2008



new, watertight junction box 30 ft South

9/25/2008



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: DARNELL MITCHELL
122 W. TAYLOR
HOBBS, NM 88240

Receiving Date: 07/30/08
Reporting Date: 08/01/08
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: B.D. METEX MATTERN EOL

Sampling Date: 07/30/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/HM/TR

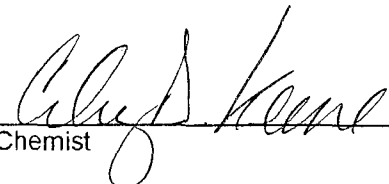
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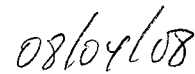
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	Cl* (mg/kg)
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ANALYSIS DATE	07/31/08	07/31/08	07/31/08
H15643-1 5 PT. BOTTOM COMPOSITE	<10.0	<10.0	480
20X15X12			
Quality Control	576	508	500
True Value QC	500	500	500
% Recovery	113	102	100
Relative Percent Difference	2.0	2.4	2.0

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

*Analysis performed on a 1:4 w:v aqueous extract.


Chemist


Date

H15643TCL RICE

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101 East Marland, Hobbs, NM 88240
(575) 393-2326 Fax (575) 393-2476

Page _____ of _____

BILL TO				ANALYSIS REQUEST											
Company Name: <i>Rice operating</i>															
Project Manager: <i>Darrell Mitchell</i>															
Address: <i>122 W. Taylor</i>															
City: <i>Hobbs</i>															
State: <i>N.M</i> Zip: <i>88240</i>															
Phone #: _____															
Fax #: _____															
Project #: _____															
Project Owner: _____															
Project Name: _____															
Project Location: <i>B.O Metex Mattered Sol</i>															
Sampler Name: <i>Darrell Mitchell</i>															
Lab I.D. Sample I.D.															
<i>1415043-1</i>															
<i>5PT Bottom Composit</i>															
<i>20 x 15 x 12</i>															

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7-30-08

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Sampler Relinquished:		Date: <i>7-30-08</i>		Time: <i>4:45</i>		Received By: <i>Misty LeBout</i>		Phone Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
Relinquished By:		Date: _____		Time: _____		Received By:		Fax Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #:	
Delivered By: <i>Darrell Mitchell</i>		Date: _____		Time: _____		Received By:		REMARKS:	
Sampler - UPS - Bus - Other:		Temp. _____		Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Checked By: <i>UPB</i>		RESULTS <i>B. Baker @ Rice SWD .COM</i>	
								<i>J Duris @ Rice SWD .COM</i>	

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

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: 110-023920

DATE: 7-30-08



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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: DARNELL MITCHELL
122 W. TAYLOR
HOBBS, NM 88240

Receiving Date: 07/31/08
Reporting Date: 11/20/08*
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: B.D. METEX MATTERN EOL

Sampling Date: 07/31/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: AB/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		08/01/08	08/01/08	08/01/08
H15645-1	4 WALL COMPOSITE	<10.0	<10.0	144
	15X20X12			
Quality Control		576	508	500
True Value QC		500	500	500
% Recovery		113	102	100
Relative Percent Difference		2.0	2.4	< 0.1

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

*Analysis performed on a 1:4 w:v aqueous extract.

*Revised Report.

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NOV 24 2008

RICE OPERATING
HOBBS, NM

Chemist

11/20/08
Date

H15645TCL RICE

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RICE OPERATING
HOBBS, NM

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: DARNELL MITCHELL
122 W. TAYLOR
HOBBS, NM 88240

Receiving Date: 07/31/08
Reporting Date: 08/01/08
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: B.D. METEX MATTERN EOL

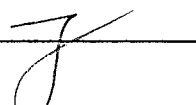
Sampling Date: 07/31/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: AB/HM

LAB NUMBER SAMPLE ID GRO (C₆-C₁₀) (mg/kg) DRO (>C₁₀-C₂₈) (mg/kg) CI* (mg/kg)

ANALYSIS DATE	08/01/08	08/01/08	08/01/08
H15645-1 4 WALL COMPOSITE	<10.0	<10.0	144
15X20X18			
Quality Control	576	508	500
True Value QC	500	500	500
% Recovery	113	102	100
Relative Percent Difference	2.0	2.4	< 0.1

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

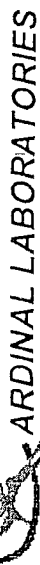
*Analysis performed on a 1:4 w:v aqueous extract.

★ C.B. 
Chemist

08/01/08
Date

H15645TCL RICE

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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
NO.

✓

MODEL: PGM 7600

SERIAL NO: 110-013676

MODEL: PGM 7600

SERIAL NO: 110-013744

MODEL: PGM 7600

SERIAL NO: 110-12383

MODEL: PGM 7600

SERIAL NO: 110-023920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 073353	EXPIRATION DATE: 5-16-08
FILL DATE: 11-16-07	METER READING ACCURACY: 101 ppm

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
B.D.	metex mattern EOL	K	7	T-225	R-37E

4 wall composit

COPY

SAMPLE ID	PID	SAMPLE ID	PID
4 wall composit	0.2		
EAST wall	0.1		
WEST wall	0.4		
NORTH wall	0.3		
SOUTH wall	0.1		

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

SIGNATURE: Daniel M. Schell

DATE: 1-31-08



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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: DARNELL MITCHELL
122 W. TAYLOR
HOBBS, NM 88240

AUG 07 2008

RICE OPERATING
HOBBS, NM

Receiving Date: 08/01/08
Reporting Date: 08/05/08
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: B.D. METEX MATTERN EOL

Sampling Date: 08/01/08
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: ML
Analyzed By: AB/HM

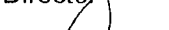
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LAB NUMBER SAMPLE ID	GRO	DRO	Cl*
	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	
	(mg/kg)	(mg/kg)	(mg/kg)
1			
2			
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ANALYSIS DATE	08/02/08	08/02/08	08/04/08
H15656-1 BLENDED BACKFILL	<10.0	<10.0	176
15X20X12 DEPTH			
Quality Control	503	424	500
True Value QC	500	500	500
% Recovery	101	84.8	100
Relative Percent Difference	2.0	5.8	< 0.1

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

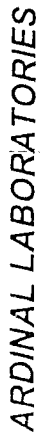
*Analysis performed on a 1:4 w:v aqueous extract.


Lab Director

02/05/08
Date

H15656TCL RICE

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RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

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

PID METER CALIBRATION & FIELD REPORT FORM

CK.	<input type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL	<input type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-013744
NO.	<input type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-12383
	<input checked="" type="checkbox"/>	MODEL: PGM 7600	SERIAL NO: 110-023920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 073353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 100 PPM

ACCURACY: +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
B.O	METER METER EOL	K	7	T-225	R.375

Blended Backfill

COPY

SAMPLE ID	PID	SAMPLE ID	PID
Blended Backfill	0.2		

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

SIGNATURE: Dannel Mitchell

DATE: 8-1-08

CHLORIDE CONCENTRATION CURVE

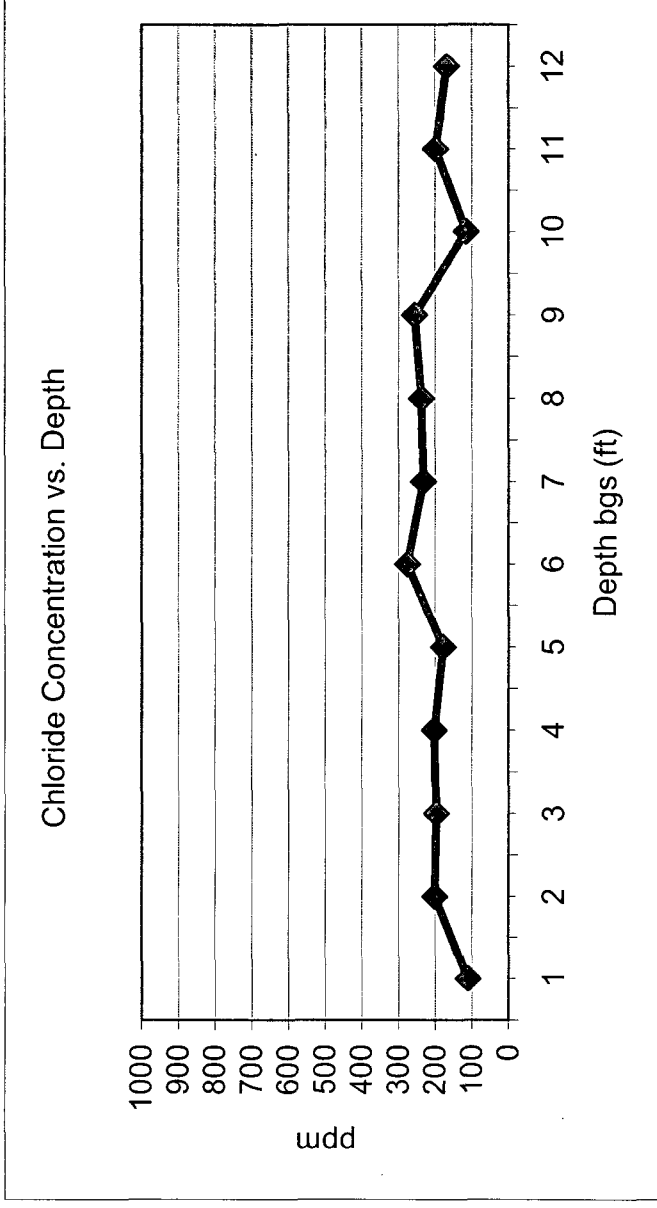
RICE Operating Company

BD METEX Matern EOL

Unit 'K', Sec. 7, T22S, R37E

Backhoe samples at 10 ft west of the junction (source)

Depth bgs (ft)	[Cl] ppm
1	111
2	201
3	197
4	202
5	178
6	275
7	232
8	237
9	256
10	114
11	199
12	168



Groundwater = 126 ft