

1R - 426-228

REPORTS

DATE:

11-13-09

BD C-23 EOL
2009

1R426-228

RECEIVED

ADD - 6 2009
Environmental Bureau
Oil Conservation Division

CLOSURE

RECEIVED

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORTAPP - 6 2010
Environmental Bureau
Oil Conservation Division

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Blinebry Drinkard (BD)	C-23 EOL	C	23	21S	37E	Lea	Length	Width	Depth
							eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER _____ Apache _____ OTHER _____

Depth to Groundwater 65 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10Date Started 8/31/2009 Date Completed 8/31/2009 OCD Witness noSoil Excavated 1.2 cubic yards Excavation Length 1 Width 4 Depth 8 feetSoil Disposed 0 cubic yards Offsite Facility n/a Location n/aFINAL ANALYTICAL RESULTS: Sample Date 8/31/2009 Sample Depth 8 ft

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
SOURCE 8' GRAB	1.4	<10.0	<10.0	32

LOCATION	DEPTH	mg/kg
background	6"	150
vertical delineation trench at the junction (source)	4'	149
	5'	178
	6'	211
	7'	181
	8'	152

General Description of Remedial Action: This junction was addressed 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 creating a 1x4x8-ft deep excavation. Chloride field tests were performed on each sample which yielded low concentrations similar to that of the background sample. Organic vapors were measured using a PID which also yielded low concentrations. The deepest sample, 8 ft BGS, was sent to a commercial laboratory for analysis of chloride and TPH. Lab analysis confirmed low concentrations of each. The excavated soil was returned to the excavation and contoured to the surrounding area. On 9/9/2009, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate.

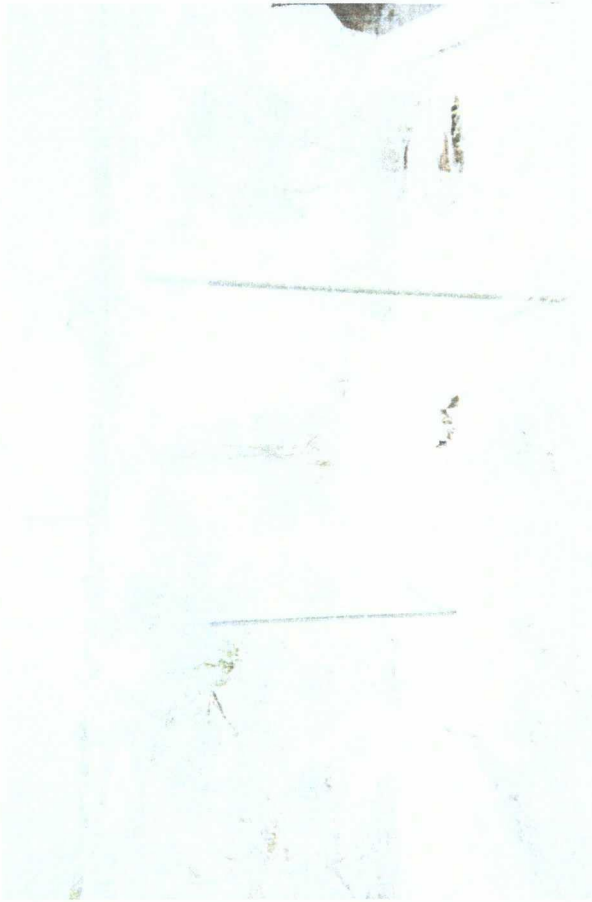
enclosures: photos, lab results, PID (field) screenings, chloride curve

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

SITE SUPERVISOR Eric Garrison SIGNATURE [Signature] COMPANY RICE OPERATING COMPANYREPORT ASSEMBLED BY Katie Jones INITIAL KJPROJECT LEADER Larry Bruce Baker Jr. SIGNATURE [Signature] DATE 11-13-09

BD C-23 EOL

Unit C, Section 23, T21S, R37E



site prior to excavation, facing north

8/31/2009



excavation at the former junction box

8/31/2009



excavating the former junction box site, facing west

8/31/2009



seeding backfilled site, facing west

9/9/2009



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

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

Receiving Date: 08/31/09
Reporting Date: 09/08/09
Project Number: NOT GIVEN
Project Name: BD C-23 EOL
Project Location: BD C-23 EOL

COPY
Sampling Date: 08/31/09
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: ML
Analyzed By: AB/HM/CK

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
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ANALYSIS DATE	09/01/09	09/01/09	09/01/09
H18142-1 SOURCE BTTM GRAB @ 8'	<10.0	<10.0	32
Quality Control	490	439	500
True Value QC	500	500	500
% Recovery	98.0	87.8	100
Relative Percent Difference	0.5	0.6	2.0

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

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

Reported on wet weight.

Chemist

Date

H18142 TOL RICE

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

BILL TO				ANALYSIS REQUEST											
P.O. #:															
Company:															
Attn:															
Address:															
City:															
State:															
Phone #:															
Fax #:															
Project Name: <u>RD C-23 EOL</u>				MATRIX				PRESERV				SAMPLING			
				GROUNDWATER WASTEWATER SOIL SLUDGE OTHER				ACID/BASE ICE / COOL OTHER							
Project Location: <u>RD C-23 EOL</u>				# CONTAINERS				(G) RAB OR (C) OMP				DATE TIME			
				1				8/31/09 13:45							
Project Owner: <u>EVIC GARRETT</u>															
Project #:															
Project Name: <u>RD C-23 EOL</u>															
Project Location: <u>RD C-23 EOL</u>															
Project Owner: <u>EVIC GARRETT</u>															
Project #:															

COPY

8015 MTPH
- 77

Sample I.D.

Lab I.D.

1181421 Source: STIM GARRETT

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Received By: <u>EVIC GARRETT</u>	Date: <u>8-31-09</u>	Received By: <u>EVIC GARRETT</u>	Date: <u>8-31-09</u>
Time: <u>1:45p</u>	Time: <u>1:45p</u>	Time: <u>1:45p</u>	Time: <u>1:45p</u>
Delivered By: (Circle One) ampler - UPS - Bus - Other:	Temp. _____	Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Checked By: (Initials) <u>EVIC</u>
Remarks: <u>egarrison@liveswood.com</u> <u>sparks@liveswood.com</u> <u>Baker@liveswood.com</u>			

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

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

PHONE: (575) 393-9174 FAX: (575) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

COPY

Check Model Number:

Model: PGM 7300
Model: PGM 7300
Model: PGM 7300

Serial No: 590-000183
Serial No: 590-000508
Serial No: 590-000504

Model: PGM 7600
Model: PGM 7600
Model: PGM 7600

Serial No: 110-023920
Serial No: 110-013744
Serial No: 110-013676

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 924908	EXPIRATION DATE: 7-29-12
FILL DATE: 7-30-09	METER READING ACCURACY: 100 PPM

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	L-23-EOL	C	23	215	37E

Source

Background

SAMPLE ID	PID	SAMPLE ID	PID
4	6.6	06"	0
5	1.1		
6	0.8		
7	1.2		
8	1.4		

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

SIGNATURE:

E. E. [Signature]

DATE:

8-31-09

CHLORIDE CONCENTRATION CURVE

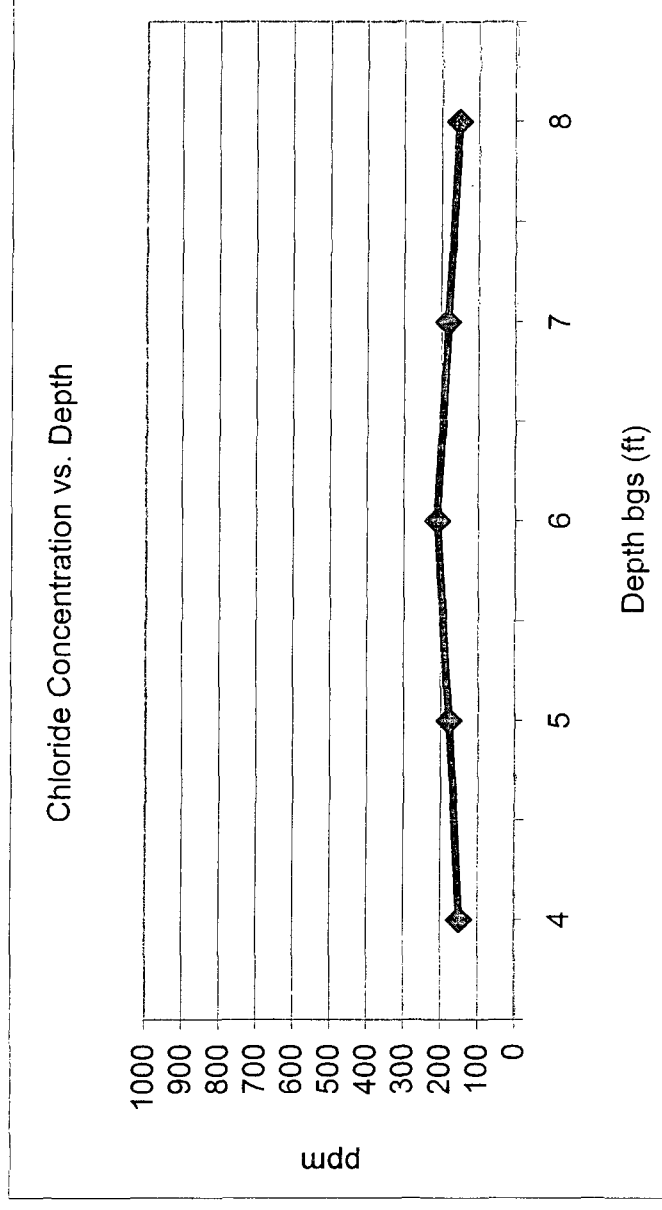
RICE Operating Company

BD C-23 EOL

Unit 'C', Sec. 23, T21S, R37E

Backhoe samples at the junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
4	149
5	178
6	211
7	181
8	152



Groundwater = 65 ft