

1R - 427-280

REPORTS

DATE:

1-27-09

45

EME Jct G-7

1R427-280

RECEIVED

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		
Eunice Monument Eumont (EME)	Jct. G-7	G	7	21S	36E	Lea	Length 8'	Width 4'	Depth 3'
							moved 30 ft north		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Billie Louis Sartain OTHER _____

Depth to Groundwater 234 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 8/7/2008 Date Completed 9/15/2008 OCD Witness _____

Soil Excavated 400.0 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed 180 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 8/20/2008 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.	0.8	<10.0	<10.0	496
BOTTOM COMP.	1.8	<10.0	<10.0	208
BLENDED BACKFILL	0.5	<10.0	<10.0	400

General Description of Remedial Action: This junction was addressed during the pipeline replacement/upgrade program. A new, watertight junction box was built 30 ft north 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 30x30x12-ft-deep excavation. Chloride field tests performed on each sample yielded some 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, which confirmed low concentrations. The excavated soil was blended on-site with clean, imported soil; returned to the excavation to ground surface; and contoured to the surrounding area. On 9/16/2008, 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

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	501
bottom comp.	12'	319
blended backfill	n/a	410
background	6"	229
vertical delineation trench at 10 ft west of the junction (source)	1'	140
	2'	171
	3'	321
	4'	414
	5'	473
	6'	503
	7'	510
	8'	369
	9'	323
	10'	382
	11'	233
	12'	177

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 1-27-09

EMME Jct. G-7

Unit G, Section 7, T21S, R36E



undisturbed junction box

6/6/2005



collecting a soil sample

8/7/2006



squaring the excavation

8/15/2008



unloading clean blow sand

9/15/2008



seeding backfilled excavation

9/16/2008



new, water-tight junction box

7/11/2008



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

COPY

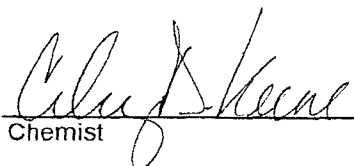
Receiving Date: 08/20/08
Reporting Date: 08/26/08
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: EME BOOT G-7

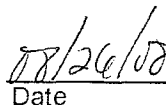
Sampling Date: 08/20/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/TR

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
		08/22/08	08/22/08	08/21/08
H15777-1	5 PT BOTTOM COMPOSITE 30X30X12	<10.0	<10.0	208
H15777-2	4 WALL COMPOSITE 30X30X12	<10.0	<10.0	496
H15777-3	BLENDED BACKFILL	<10.0	<10.0	400
Quality Control		553	411	520
True Value QC		500	500	500
% Recovery		111	82.2	104
Relative Percent Difference		3.8	4.1	3.9

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

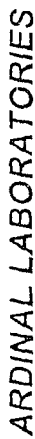
*Analyses performed on 1:4 w:v aqueous extracts.


Chemist


Date

H15777TCL RICE

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

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

COPY

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
EME	BOOT G-7	G	7	21 S	36E

SAMPLE ID	PID	SAMPLE ID	PID
5pt Bottom Composit	1.8		
4 wall Composit	0.8		
Blended Backfill	0.5		

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

SIGNATURE: Darnell Mitchell

DATE: 8-20-08

CHLORIDE CONCENTRATION CURVE

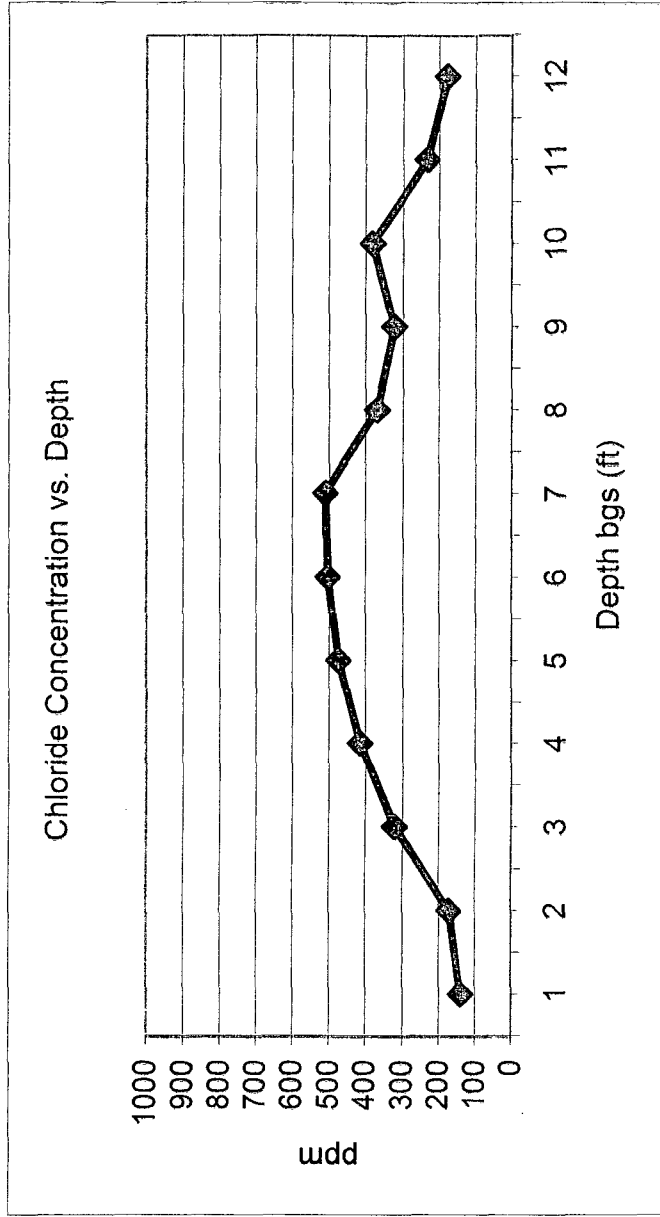
RICE Operating Company

EME Jct. G-7

Unit 'G', Sec. 7, T21S, R36E

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

Depth bgs (ft)	[Cl] ppm
1	140
2	171
3	321
4	414
5	473
6	503
7	510
8	369
9	323
10	382
11	233
12	177



Groundwater = 234 ft