

1R - 427-275

REPORTS

DATE:

1-23-09

EME Conoco State KN 12 EOL

1R427-275

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)	Conoco State KN-12 EOL	P	12	19S	36E	Lea	Length	Width	Depth
							same location		

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

Depth to Groundwater 70 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/14/2006 Date Completed 11/5/2008 OCD Witness no

Soil Excavated 7 cubic yards Excavation Length 5 Width 3 Depth 13 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: Sample Date 7/8/2008, 11/5/2008 Sample Depth 35 ft, 14 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
5 ft WEST 14 ft GRAB	10.7	<10.0	<10.0	240
SOIL BORING #2 @ 5 FT	0.0			736
SOIL BORING #2 @ 35 FT				48

LOCATION	DEPTH	mg/kg
5 ft west	14'	459
background	6"	264
SOIL BORING #2 at 16 ft north of the junction (source) 6/30/2008	5'	804
	10'	666
	15'	211
	20'	146
	25'	121
	30'	89
	35'	114

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 producing a 5x3x13-ft-deep excavation. Chloride field tests performed on each sample yielded generally low concentrations. Organic vapors were measured using a PID, which yielded low concentrations. The excavated soil was returned to the excavation and contoured to the surrounding area. A new, water-tight junction box was built in place of the former. To further investigate depth of chloride presence, two soil borings were initiated on 6/30/2008. Soil boring #1 (SB #1) failed and SB #2, located 16 ft north of the former junction, was advanced to a depth of 35 ft below ground surface (BGS). Soil samples were collected every 5 ft and field tested for chlorides. The 5 ft and 35 ft samples were analyzed by a commercial laboratory for chloride, which confirmed low concentrations. The entire borehole was plugged with bentonite to the ground surface. A delineation trench was excavated at 5 ft west of the former junction to a depth of 14 ft BGS. Field chloride and organic vapor tests yielded low concentrations, similar to that of the background sample. Laboratory analysis of the 14 ft sample confirmed low concentrations of chloride and TPH. The excavated soil was returned to the excavation to ground surface and contoured to the surrounding area. On 11/5/2008, 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, boring log, 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 1-23-09

EME Conoco State KN-12 EOL

Unit P, Section 12, T19S, R36E



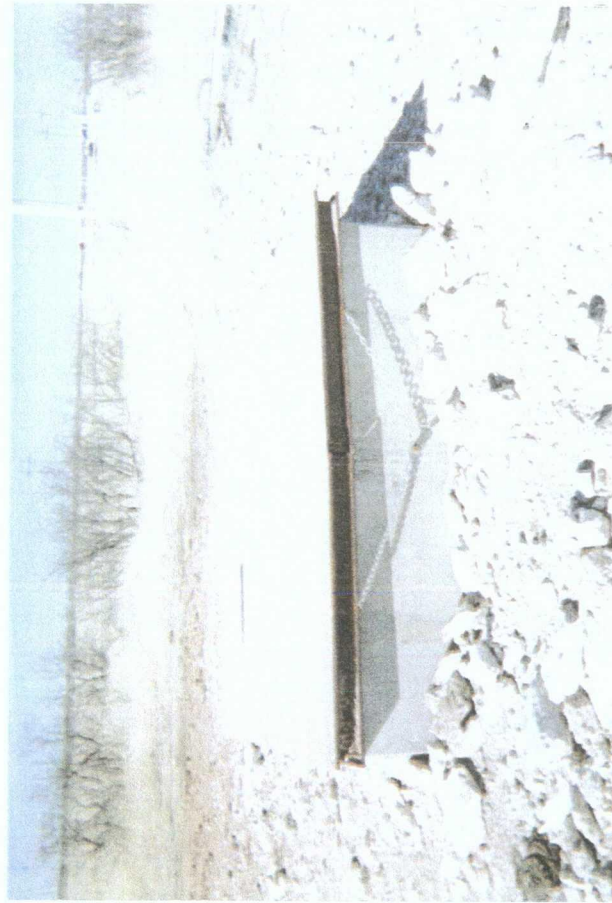
undisturbed junction box

prior to August 2006



collecting a soil sample

8/28/2006



new, water-tight junction box

2/16/2008



soil boring 16 ft north of the former junction

6/30/2008

30/06/2008



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

COPY

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

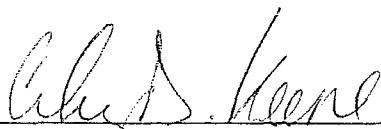
Receiving Date: 11/05/08
Reporting Date: 11/07/08
Project Number: NOT GIVEN
Project Name: EME CONOCO ST KN 12
Project Location: EME CONOCO ST KN 12

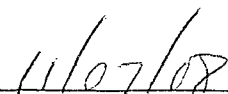
Sampling Date: 11/05/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB/TR

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)	(mg/kg)
ANALYSIS DATE		11/06/08	11/06/08	11/06/08
H16274-1	5' WEST OF SOURCE 14'	<10.0	<10.0	240
	BTTM G			
Quality Control		560	477	500
True Value QC		500	500	500
% Recovery		112	95.4	100
Relative Percent Difference		3.6	0.3	< 0.1

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

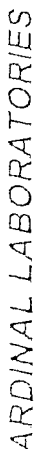
*Analysis performed on a 1:4 w/v aqueous extract.


Lab Director


Date

H16274 TCL 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 7300
MODEL: PGM 7600
MODEL: PGM 7600
MODEL: PGM 7600

SERIAL NO: 590-000183
SERIAL NO: 110-013744
SERIAL NO: 110-12383
SERIAL NO: 110-023920

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 08-3425	EXPIRATION DATE: 8-29-09
FILL DATE: 2-29-08	METER READING ACCURACY: 99.4 ppm

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	CONDOR 4/12	P	12	195	36E

SAMPLE ID	PID	SAMPLE ID	PID
14'	10.7		

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

SIGNATURE:

E. J. Guter

DATE:

11-9-08



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JUL 11 2008

RICE OPERATING
HOBBS, NM

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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 07/08/08
Reporting Date: 07/08/08
Project Number: NOT GIVEN
Project Name: EME CONOCO ST. KN-12 EOL
Project Location: EME CONOCO ST. KN-12 EOL

Analysis Date: 07/08/08
Sampling Date: 06/30/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: KS

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/kg)
H15119-1	SB #2 @ 5'	736
H15119-2	SB #2 @ 35'	48
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods

4500-Cl⁻B

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

Kristin Suprobo
Chemist

07/09/08
Date

H15119 RICE

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Company Name: Rice Operating Company		BILL TO		ANALYSIS REQUEST	
Project Manager: Hack Conder		P.O. #:			
Address: 122 West Taylor		Company:			
City: Hobbs		Attn:			
State: NM		Address:			
Zip: 88240		City:			
Phone #: 393-9174		State:			
Fax #: 397-1471		Phone #:			
Project #:		Project Owner:			
Project Name: EME Conoco St. KN-12 EOL					
Project Location: EME Conoco St. KN-12 EOL					
Sampler Name: Lara Weinheimer/ Noel Carmona					

FOR LAB USE ONLY	# CONTAINERS	(G)RAB OR (C)OMP.	MATRIX	PRESERV	SAMPLING
			GROUNDWATER		
			WASTEWATER		
			SOIL		
			SLUDGE		
			OTHER:		
			ACID/BASE:		
			ICE / COOL		
			OTHER:		

Lab I.D.	Sample I.D.	DATE	TIME	
H15119-1	SB #2 @ 5'	6/30/08	12:49	
- 2	SB #2 @ 35'	6/30/08	01:07	

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Chlorides

☒ ☐

☒ ☐

Relinquished By: L. Weinheimer	Received By: [Signature]	Date: 7-8-08	Time: 9:00	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Received By:	Date:	Time:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

CHECKED BY:
(Initials)
[Signature]



email results

Hconder@riceswd.com; jpurvis@riceswd.com;
Lweinheimer@rice.swd.com

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Logger:	Lara Weinheimer & Noel Carmona		Client:	RICE Operating Company		Well ID: SB - 2
Driller:	Harrison & Cooper Drilling		Project Name:	EME Conoco St. KN-12 EOL		
Drilling Method:	Air rotary		Location:	EMED SWD System		
Start Date:	6-30-08		unit 'P' Sec.12 T19S, R36E			
End Date:	6-30-08		Lea County, NM			
Comments: Located 16 ft north of the former jct. box site TD = 35 ft GW = 70 ft						

Depth (feet)	chloride field tests	PID	Description	Lithology	Soil Bore Construction
			0 - 5 ft VERY FINE TO FINE SAND light brown, some rock, dry, oily		 bentonite seal
5	804	0			
Lab	736				
10	666	0			
			5 - 20 ft VERY FINE TO FINE SAND tan, dry		
15	211	0			
20	146	0			
			20 - 25 ft VERY FINE TO FINE SAND light brown, primarily sandstone, dry		
25	121	0			
30	89				
			25 - 35 ft VERY FINE TO FINE SAND light reddish-brown, sandstone, dry		
35	114				
Lab	48				

CHLORIDE CONCENTRATION CURVE

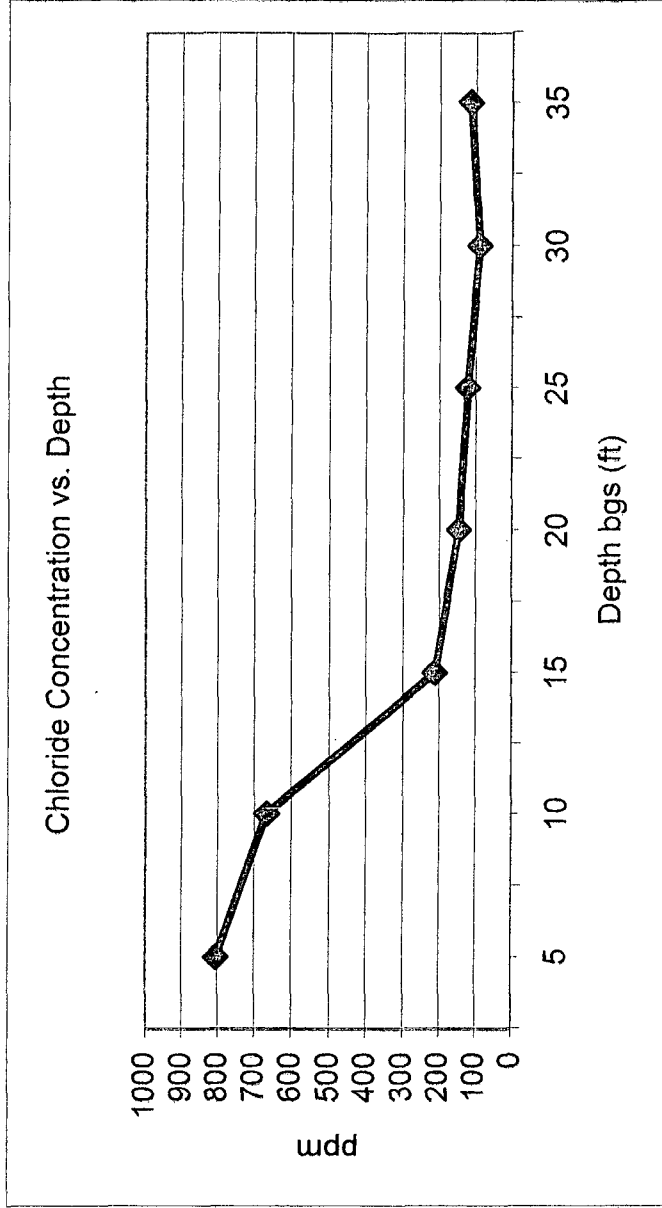
RICE Operating Company

EME Conoco State KN-12 EOL

Unit 'P', Sec. 12, T19S, R36E

SOIL BORING samples at 16 ft north of the junction (source)

Depth bgs (ft)	Cl ⁻ ppm
5	804
10	666
15	211
20	146
25	121
30	89
35	114



Groundwater = 70 ft