

1R - 427-297

REPORTS

DATE:

3-8-10

**EME Jct P-19
2009**

1R427-297

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APR - 6 2010

Environmental Bureau
Oil Conservation Division

CLOSURE

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APP - 6 2010

Environmental Bureau
Oil Conservation Division

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
Eunice Monument Eumont (EME)	Jct. P-19	P	19	19S	37E	Lea	eliminated		

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

Depth to Groundwater 40 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 9/30/2008 Date Completed 11/3/2009 OCD Witness no

Soil Excavated 400 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed 48 cubic yards Offsite Facility Sundance Location Eunice, NM

FINAL ANALYTICAL RESULTS: Sample Date 10/27/2008, 11/21/2008, 11/3/2009 Sample Depth 12 ft, 24 ft, 27 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	Chlorides mg/kg
4-WALL COMP.	69.7	18.2	766	608
BOTTOM COMP.	62.8	35.1	1210	192
BLENDED BACKFILL	32.6	<10.0	623	64
SB#1 @ 24'	1.8	<10.0	<10.0	208
SB#1 @ 27'	1.2	<10.0	<10.0	112

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	487
bottom comp.	12'	249
blended backfill	n/a	149
background	6"	175
SOIL BORING at 8 ft northeast of the junction (11/3/2009)	15'	302
	18'	329
	21'	362
	24'	420
	27'	317

General Description of Remedial Action: This junction box was eliminated 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 30x30x12-ft-deep excavation. Chloride field tests performed on each sample yielded generally low concentrations. Organic vapors, measured using a PID, yielded some elevated concentrations. Representative composite samples were sent to a commercial laboratory for analysis of chloride and TPH, which yielded elevated concentrations of DRO. The excavated soil was blended on site with clean, imported soil and returned to the excavation to ground surface and contoured to the surrounding area. On 11/26/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. To further investigate depth of chloride presence, a soil boring was initiated on 11/3/2009 at 8 ft northeast of the former junction box site. The boring was advanced to 27 ft BGS, while soil samples were collected at every 3 ft and field tested for chlorides and organic vapors. The 24 and 27 ft samples were sent to a commercial laboratory for analysis of chloride and TPH which confirmed low concentrations of each. The entire bore hole was plugged with bentonite to the ground surface. NMOCD was notified of potential ground-water impact on 4/15/2009, but further evaluation of the site deemed no further action is required.

enclosures: photos, boring log, lab results, PID (field) screening, chloride curve

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

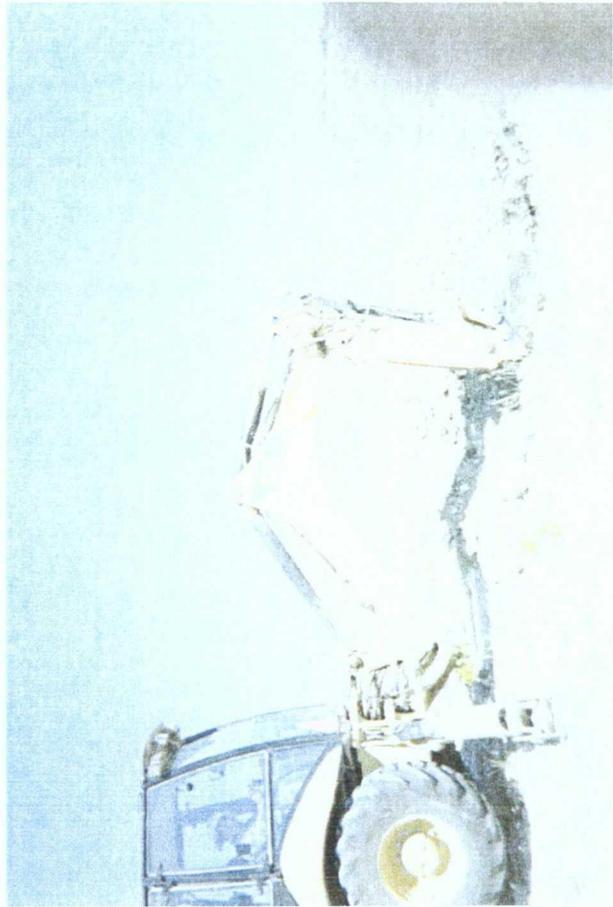
SITE SUPERVISOR Jordan Woodfin SIGNATURE [Signature] COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL [Initials]

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE [Signature] DATE 3-5-10

EME Jct. P-19

Unit P, Section 19, T19S, R37E



excavating the former junction box site, facing east 9/30/2008



collecting a soil sample, facing southeast

10/13/2008



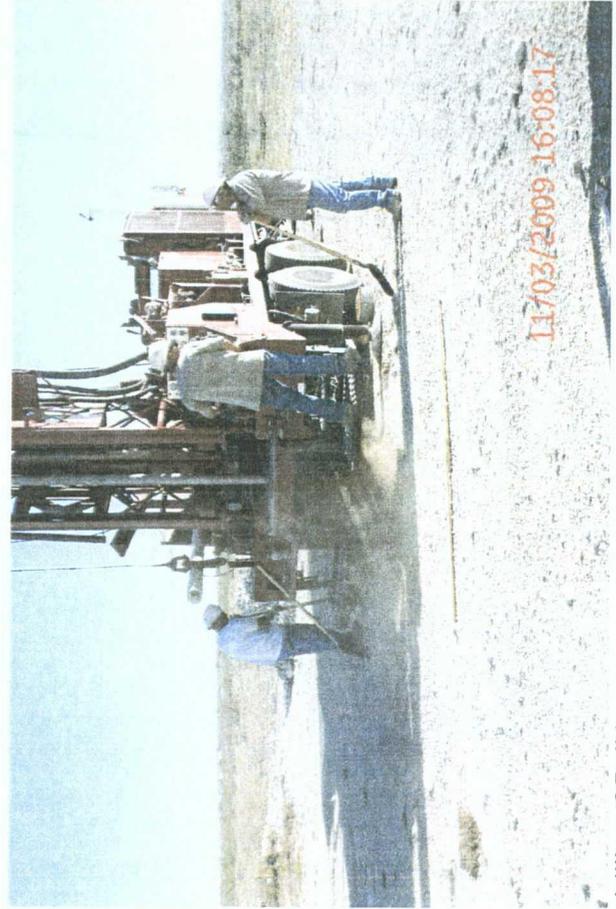
final 30x30x12-ft excavation, facing south

10/24/2008



seeding backfilled site, facing northwest

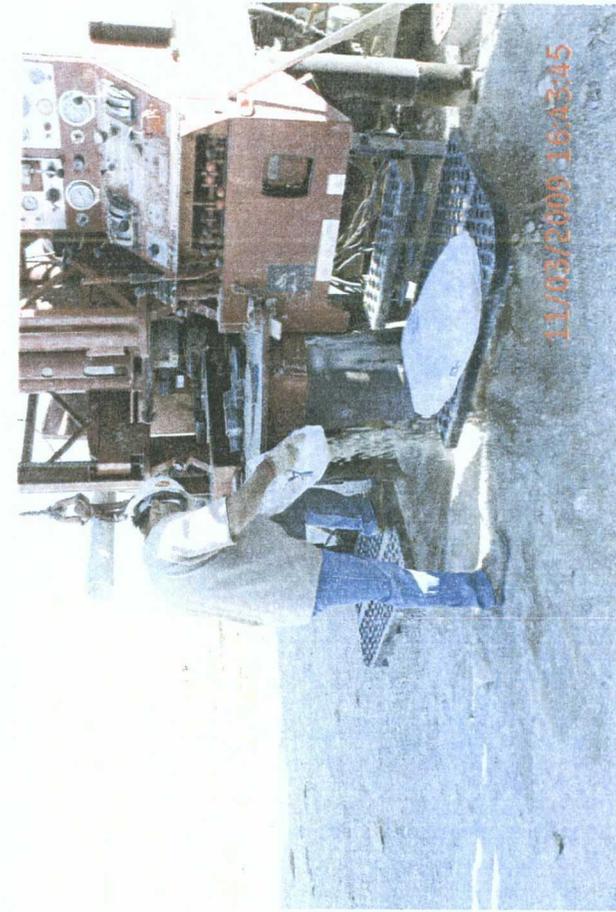
11/26/2008



drilling SB #1

11/03/2009 16:08:17

11/3/2009



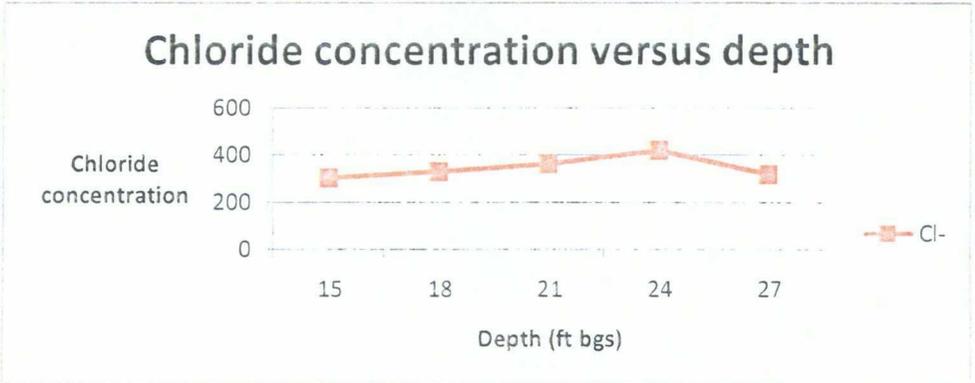
plugging SB #1 with bentonite

11/03/2009 16:43:45

11/3/2009

Logger:	Lara Weinheimer	Frm. jct. box site SB-1 	
Driller:	Harrison & Cooper, Inc. Drilling		
Consultant:	N/A - ROC junction box upgrade plan		
Drilling Method:	Air rotary		
Start Date:	11/3/2009		
End Date:	11/3/2009		
Comments: All samples were from cuttings. Located 8 feet NE of the former junction box site. Drafted by: Lara Weinheimer TD = 27 ft Estimated depth to GW = 40 ft		Project Name: EME jct. P-19 Well ID: SB #1 Location: UL/P sec. 19 T19S R37E Lat: 32°38'23.104"N County: Lea Long: 103°17'9.948" W State: NM	

Depth (feet)	chloride field tests	LAB	PID	Description	Lithology	Well Construction	
				12 - 18 ft			
15	302		12	VERY FINE TO FINE SAND; CALICHE light brown, dry, strong hydrocarbon odor			
				18 - 27 ft			
18	329		2.3				
				18 - 27 ft			
21	362		2	VERY FINE TO FINE SAND; CALICHE brown, slightly moist, moderate to no odor by end of bore			} bentonite seal
24	420	CI-208	1.8				
		GRO <10.0 DRO <10.0					
27	317	CI-112	1.2				
		GRO <10.0 DRO <10.0					





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

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

Receiving Date: 11/03/09
 Reporting Date: 11/09/09
 Project Owner: NOT GIVEN
 Project Name: EME JCT P-19
 Project Location: EME JCT P-19

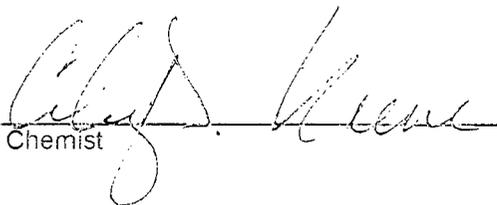
Sampling Date: 11/03/09
 Sample Type: SO/L
 Sample Condition: INTACT
 Sample Received By: CK
 Analyzed By: AB/HM

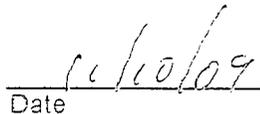
COPY

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)	(mg/kg)

ANALYSIS DATE		11/06/09	11/06/09	11/05/09
H18639-1	SB#1 @ 24'	<10.0	<10.0	208
H18639-2	SB#1 @ 27'	<10.0	<10.0	112
Quality Control		590	591	500
True Value QC		500	500	500
% Recovery		118	118	100
Relative Percent Difference		11.3	15.0	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B
 *Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.


 Chemist


 Date

H18639 TCL RICE

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RICE OPERATING COMPANY

122 West Taylor ~ Hobbs, NM 88240

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

PID METER CALIBRATION & FIELD REPORT FORM

CK.	<input checked="" type="checkbox"/>
MODEL	<input type="checkbox"/>
NO.	<input type="checkbox"/>

MODEL: PGM 7300	SERIAL NO: 590-000183
MODEL: PGM 7300	SERIAL NO: 590-000504
MODEL: PGM 7600	SERIAL NO: 110-12383
MODEL: PGM 7600	SERIAL NO: 110-02920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 924908	EXPIRATION DATE: 7-29-2012
FILL DATE: 7-30-09	METER READING ACCURACY: 100.1

ACCURACY: +/- 2%

SYSTEM	SITE	UNIT	SECTION	TOWNSHIP	RANGE
EME	jet P-19	P	9	T19S	R37E

SAMPLE ID: soil box #1

DEPTH	PID
15'	12.0
18'	2.3
21'	2.0
24'	1.8
27'	1.2

DEPTH	PID

DEPTH	PID

DEPTH	PID

DEPTH	PID

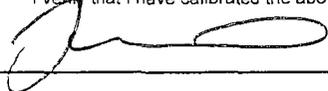
DEPTH	PID

DEPTH	PID

DEPTH	PID

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

Signature



Date

11-3-09

SITE MAP





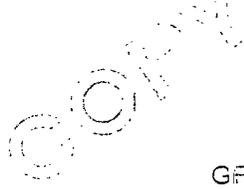
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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: JORDAN WOODFIN
122 W. TAYLOR
HOBBS, NM 88240

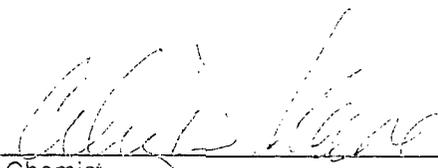
Receiving Date: 10/27/08
Reporting Date: 10/29/08
Project Number: NOT GIVEN
Project Name: EME JCT P-19
Project Location: EME JCT P-19

Sampling Date: 10/27/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

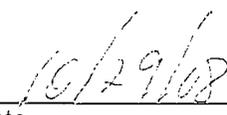


LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		10/28/08	10/28/08	10/29/08
H16203-1	5PT BTM COMP @ 12 FT	35.1	1,210	192
H16203-2	4 WALL COMP	18.2	766	608
Quality Control		554	499	500
True Value QC		500	500	500
% Recovery		111	99.8	100
Relative Percent Difference		0.9	8.2	<0.1

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

H16203 TCL RICE

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

Receiving Date: 11/21/08
Reporting Date: 11/24/08
Project Number: NOT GIVEN
Project Name: EME JCT P-19
Project Location: EME JCT P-19

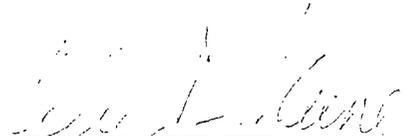
Sampling Date: 11/21/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: ABVHM

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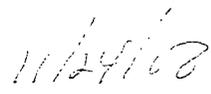
LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
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ANALYSIS DATE	11/21/08	11/21/08	11/21/08
H16374-1 BLENDED BACKFILL	<10.0	623	64
Quality Control	586	517	500
True Value QC	500	500	500
% Recovery	117	103	100
Relative Percent Difference	10.9	0.1	<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

H16374 TCL RICE

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CHLORIDE CONCENTRATION CURVE

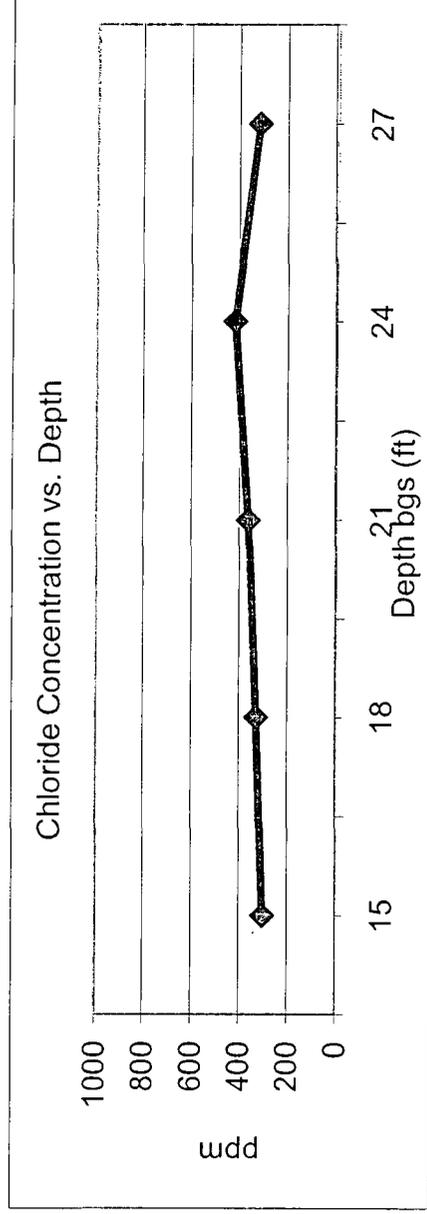
RICE Operating Company

EME Jct. P-19

Unit 'P', Sec. 19, T19S, R37E

SOIL BORING samples at 8 ft northeast of the junction (source)

Depth bgs (ft)	[Cl] ppm
15	302
18	329
21	362
24	420
27	317



Groundwater = 40 ft