

1R - 427-349

REPORTS

DATE:

8-5-10

1R427-349

EME Jct. I-1-1

2010

RECEIVED

APR - 1 2011

**Oil Conservation Division
1220 S. St. Francis Drive
Lake To, NE 67555**

CLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Euince-Monument-Eumont (EME)	Jct. I-1-1	I	1	20S	36E	Lea	Length	Width	Depth
							new junction same location		

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

Depth to Groundwater 36 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 3/16/2010 Date Completed 3/16/2010 OCD Witness no

Soil Excavated _____ cubic yards Excavation Length n/a Width n/a Depth 25 feet

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

FINAL ANALYTICAL RESULTS: Sample Date 3/16/2010 Sample Depth 10 ft., 15 ft., 25 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.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
SB 1 @ 10'	21.9	<10.0	74.5	32
SB 1 @ 15'	0.8	<10.0	<10.0	32
SB 1 @ 25'	0.4	<10.0	<10.0	<16

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
Background	6"	178
Soil bore 9 ft. south-west of former junction box (source)	10'	147
	15'	148
	20'	124
	25'	122

General Description of Remedial Action: This junction was addressed during the pipeline replacement/upgrade program. Due to safety and environmental concerns a soil bore was performed 9 ft. south-west of the former box. The bore was advanced to a depth of 25 ft. BGS with soil samples collected every 5 ft. Chloride field test performed on each sample yielded low concentrations. Organic vapors were measured using a PID, which yielded low concentrations. The 10 ft., 15 ft., and 25 ft. samples were taken 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 ground surface. A new water tight junction box was built in the same location as the former junction box.

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

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

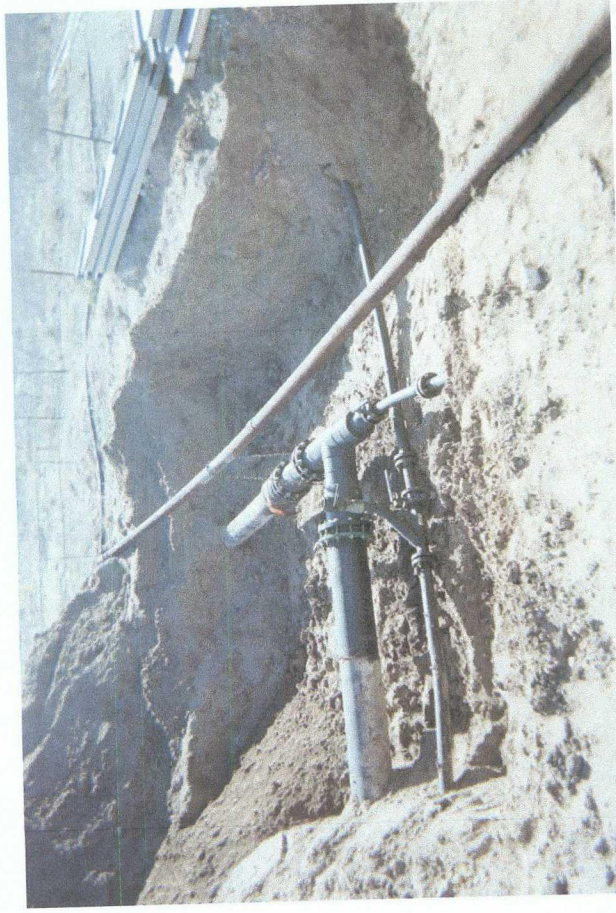
SITE SUPERVISOR Lara Weinheimer SIGNATURE [Signature] COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 8-5-10

EME Jct. I-1-1

Unit I, Section 1, T20S, R36E



Site prior to delineation

3/12/2010



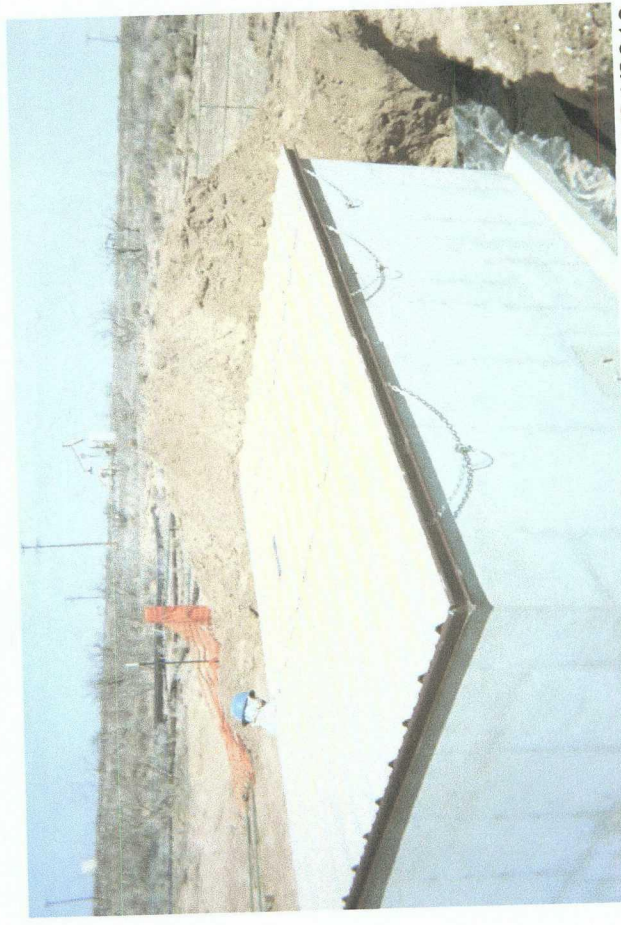
Soil bore # 1

3/16/2010



Plugging soil bore # 1 with bentonite

3/16/2010



New water tight junction box

3/24/2010



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

Receiving Date: 03/17/10
Reporting Date: 03/22/10
Project Number: NOT GIVEN
Project Name: EME JCT I-1-1
Project Location: EME JCT I-1-1

Sampling Date: 03/16/10
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: JH
Analyzed By: AB/SJ

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

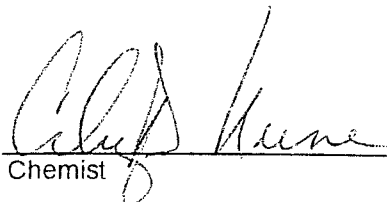
ANALYSIS DATE	03/20/10	03/20/10	03/19/10
H19467-1** SB-1 @ 10'	<10.0	74.5	32
H19467-2 SB-1 @ 15'	<10.0	<10.0	32
H19467-3 SB-1 @ 25'	<10.0	<10.0	<16
Quality Control	536	558	500
True Value QC	500	500	500
% Recovery	107	112	100
Relative Percent Difference	1.7	6.6	2.0

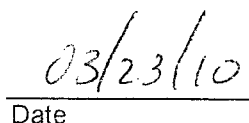
METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI*: Std. Methods 4500-CI'B

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

Reported on wet weight.

**TPH second surrogate outside historical limits due to matrix interference.


Chemist


Date

H19467 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
MODEL
NO.

✓

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:	924503	EXPIRATION DATE:	7-5-2010
FILL DATE:	1-7-09	METER READING ACCURACY:	100.0

ACCURACY: +/- 2%

SYSTEM	SITE	UNIT	SECTION	TOWNSHIP	RANGE
EMF	jet I-1-1	I	1	T20S	R36E

SAMPLE ID: 56-1

DEPTH	PID	DEPTH	PID	DEPTH	PID	DEPTH	PID
10'	21.9						
15'	0.8						
20'	0.4						
25'	0.4						

COPY

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

Signature [Signature]

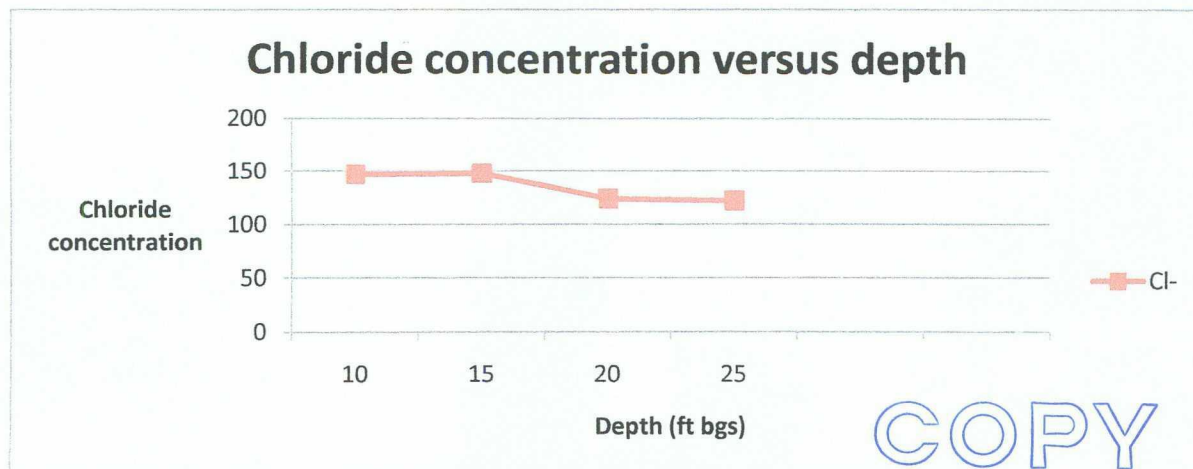
Date 3-16-10

SITE MAP



Logger:	Lara Weinheimer		
Driller:	Harrison & Cooper, Inc. Drilling		
Consultant:	N/A - ROC junction box upgrade plan		
Drilling Method:	Air rotary		
Start Date:	3/16/2010		
End Date:	3/16/2010		
Comments: All samples from cuttings. Located 9 ft SW of the current junction box. Drafted by: Lara Weinheimer TD = 25 ft GW = 36 ft			Project Name: EME jct. I-1-1 Well ID: SB-1 Location: UL/I sec. 1 T20S R36E Lat: 32°35'56.876"N County: Lea Long: 103°18'5.337" W State: NM

Depth (feet)	chloride field tests (ppm)	LAB	PID	Description	Lithology	Bore Construction
				5- 10 ft		
				FINE TO MEDIUM SAND; CALICHE		
10	147	Cl- 32	21.9	greenish-tan, oily, strong hydrocarbon odor		
		GRO <10.0				
		DRO 74.5				
				10 - 15 ft		
				VERY FINE TO FINE SAND; CALICHE		
15	148	Cl- 32	0.8	light orangey-brown, no odor		
		GRO <10.0				
		DRO <10.0				
				15 - 20 ft		
				VERY FINE TO FINE SAND; CALICHE		
20	124		0.4	orangey-brown, slightly moist, no odor		
				20 - 25 ft		
				VERY FINE TO FINE SAND		
25	122	Cl- <16	0.4	orangey-brown, slightly moist, no odor		
		GRO <10.0				
		DRO <10.0				

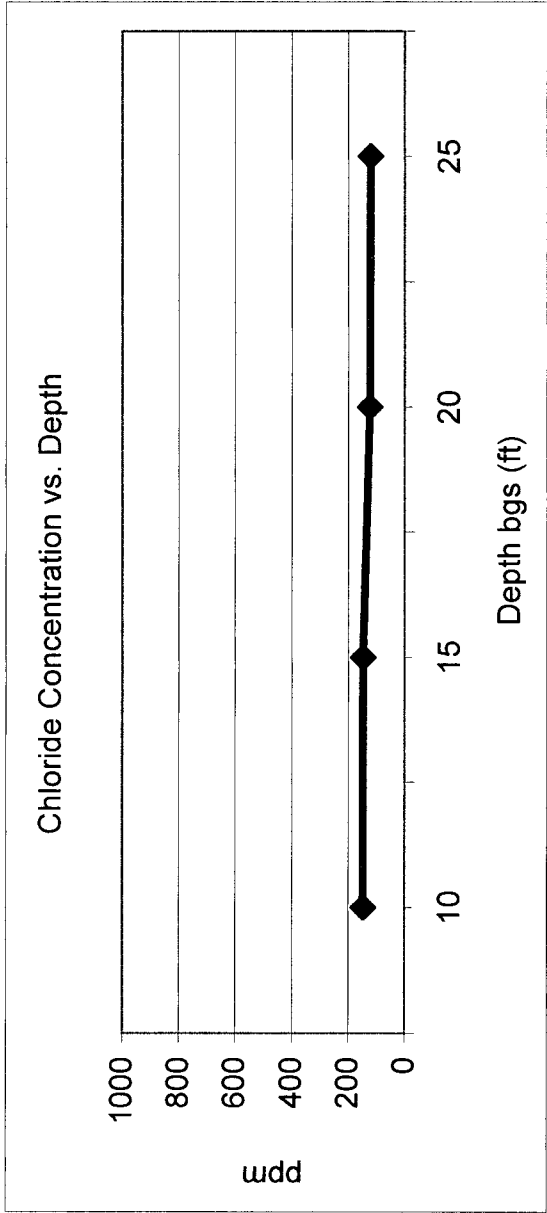


EME Jct. I-1-1

Unit 'I', Sec. 1, T20S, R36E

Soil Bore 9 ft. south-west of former junction

Depth bgs (ft)	[Cl ⁻] ppm
10	147
15	148
20	124
25	122



Groundwater = 36 ft.