

1R - 427-356

**APPROVALS**

**YEAR(S):**

2013

**Hansen, Edward J., EMNRD**

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**From:** Hansen, Edward J., EMNRD  
**Sent:** Tuesday, February 26, 2013 11:05 AM  
**To:** Hack Conder (hconder@riceswd.com)  
**Cc:** Leking, Geoffrey R, EMNRD; Laura Pena (lpena@riceswd.com); Katie Jones <kjones@riceswd.com> (kjones@riceswd.com); Scott Curtis (scurtis@riceswd.com)  
**Subject:** Remediation Plan (1R427-356) Termination - ROC EME Jct H-32 Site

**RE: Termination Request  
for the Rice Operating Company's  
EME Jct H-32 Site  
Unit Letter H, Section 32, T19S, R37E, NMPM, Lea County, New Mexico  
Remediation Plan (1R427-356) Termination**

Dear Mr. Conder:

The New Mexico Oil Conservation Division (OCD) has received Rice Operating Company's report and request to close the above-referenced site, dated February 14, 2013 (received February 19, 2013). The reports are acceptable to the OCD.

The above-referenced report, submitted in accordance with 19.15.29 NMAC (Rule 29; formally, Rule 116), indicates that Rice Operating Company has met the requirements of 19.15.29 NMAC; therefore, the OCD approves the report and hereby notifies you that the remediation plan (1R427-356) is terminated in accordance with 19.15.29 NMAC.

Please be advised that OCD approval of this report does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen  
Hydrologist  
Environmental Bureau

# **RICE** *Operating Company*

112 West Taylor • Hobbs, New Mexico 88240

Phone: (575) 393-9174 • Fax: (575) 397-1471

CERTIFIED MAIL  
RETURN RECEIPT NO. 7007 2560 0000 4569 8845

**RECEIVED**

**FEB 10 2013**

**February 14, 2013**

Mr. Edward Hansen  
New Mexico Energy, Minerals, & Natural Resources  
Oil Conservation Division, Environmental Bureau  
1220 S. St. Francis Drive  
Santa Fe, New Mexico 87505

Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

RE: Termination Request  
EME Jct. H-32 (1R427-356): UL/H, Sec. 32, T19S, R37E  
RICE Operating Company – Eunice Monument Eumont SWD System

Mr. Hansen:

Rice Operating Company (ROC) is the service provider (agent) for the EME Saltwater Disposal (SWD) System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

## **Background**

In 2010, ROC initiated work on the former H-32 junction box. The site is located in UL/H, Sec. 32, T19S, R37E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 31 +/- feet. A soil bore was initiated on July 26, 2010 at the former junction box due to the inability to excavate through a rock formation. The boring was advanced to a total depth of 12 ft below ground surface (BGS) with soil samples collected at regular intervals. The 12 ft BGS sample was analyzed by a commercial laboratory, resulting in a chloride concentration of 64 mg/kg and concentrations of gasoline range organics (GRO) and diesel range organics (DRO) below detectable limits. The entire bore hole was plugged with bentonite to ground surface. A junction box is no longer needed at the site. Vegetation has rebounded at the site, so no re-vegetation efforts are needed.

The junction box site location map, final report, photodocumentation, soil bore log, laboratory analysis, PID sheet, chloride graph and current photodocumentation are attached.

## **Recommendations**

Site investigation demonstrates that residual chloride and hydrocarbons in the vadose zone will not with reasonable probability contaminate groundwater in excess of NMOCD standards. This site meets the requirements of the NMOCD-approved Revised Junction Box Upgrade Work Plan (July 16, 2003). As such, ROC request termination of the regulatory file, or similar closure status.

Please contact me at (575)393-9174 if you have any questions or wish to discuss this site. Thank you for your time and consideration.

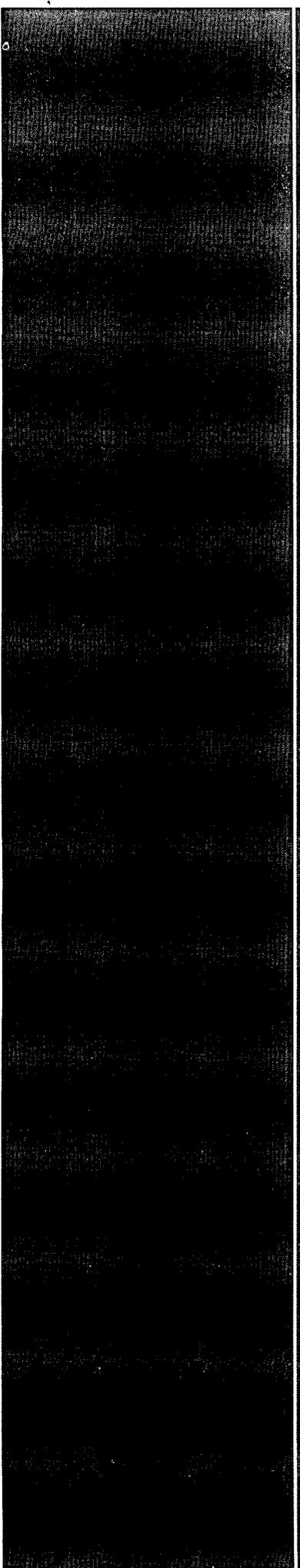
Sincerely,  
RICE Operating Company



Hack Conder  
Environmental Manager

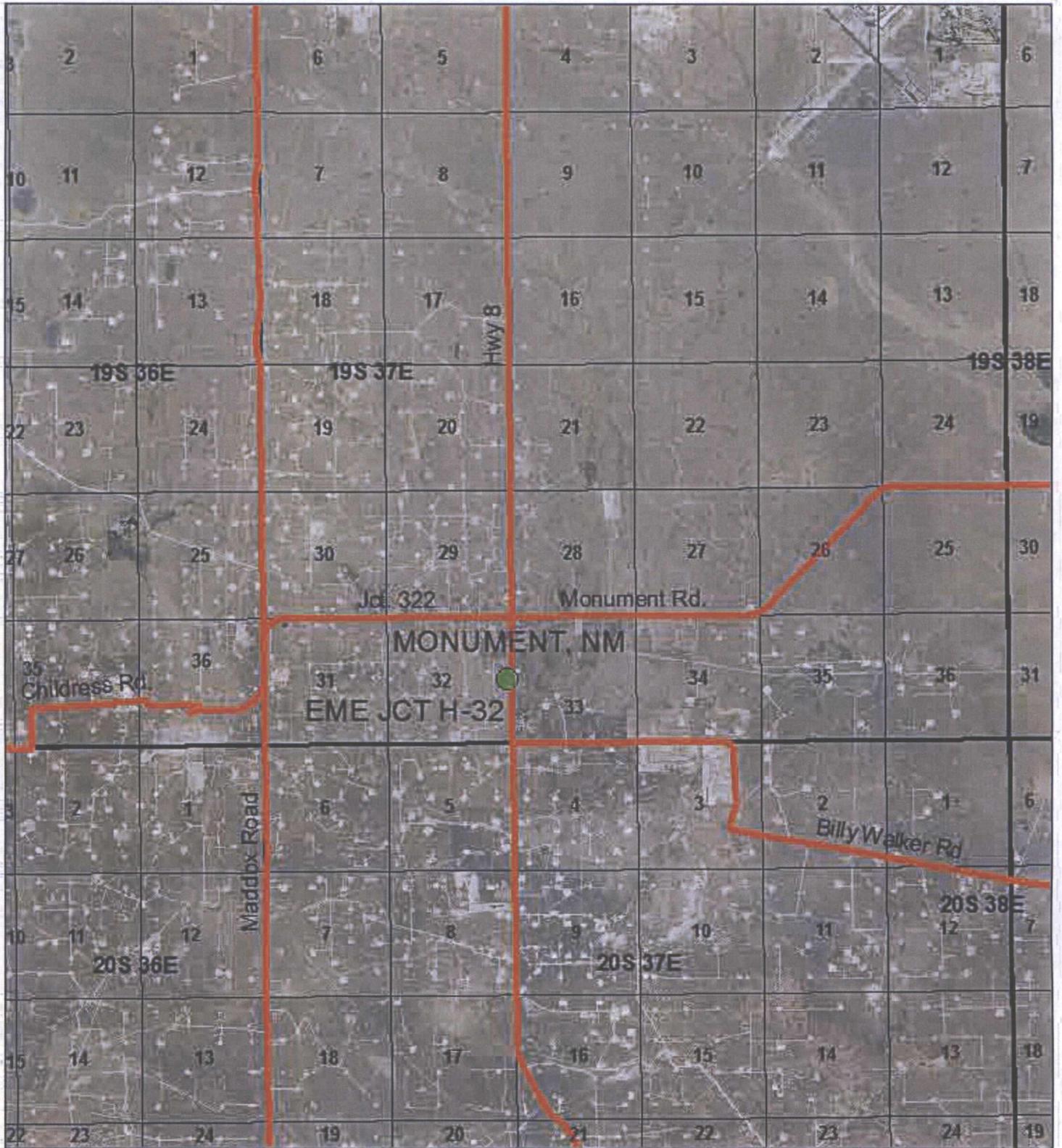
enclosures

RECEIVED OGD  
2013 FEB 19 P 3:11



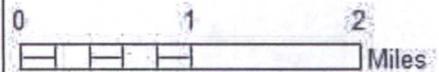
## Site Location Map

**RICE *Operating Company* (ROC)**  
112 West Taylor Hobbs, NM 88240  
Phone: (575) 393-9174 Fax: (575) 397-1471

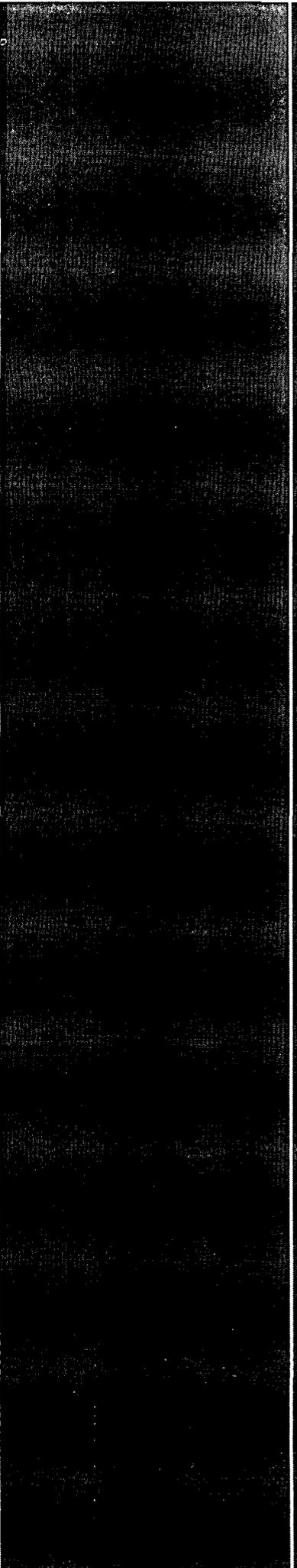


# EME JCT H-32

UL H SECTION 32  
T-19-S R-37-E  
LEA COUNTY, NM



Drawing date: 1/21/13  
Drafted by: Tony Grieco



# Junction Box Report

**RICE *Operating Company* (ROC)**  
112 West Taylor Hobbs, NM 88240  
Phone: (575) 393-9174 Fax: (575) 397-1471

**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. H-32	H	32	19S	37E	Lea	Eliminated		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Irwin Boyd OTHER \_\_\_\_\_

Depth to Groundwater 31 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 7/26/2010 Date Completed 7/26/2010 OCD Witness no

Soil Excavated 0.0 cubic yards Excavation Length 0 Width 0 Depth 0 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 7/26/2010 Sample Depth 12 ft

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
Source @ 12'	60.2	<10.0	<10.0	64

CHLORIDE FIELD TESTS		
LOCATION	DEPTH	mg/kg
Soil Bore # 1 at former junction (Source)	3'	59
	4'	98
	5'	89
	6'	101
	7'	108
	8'	91
	9'	86
	10'	89
	11'	88
12'	85	

**General Description of Remedial Action:** This junction was eliminated during the pipeline replacement/upgrade program. After the junction box was removed, a soil bore was conducted at the former junction box due to the inability to excavate through the rock formation. Chloride field test performed on each sample yielded low concentrations. Organic vapors were measured using a PID, which yielded relatively low concentrations. The deepest sample, 12 ft. BGS, was 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 ground surface. The site was not seeded due to the vegetation was intact.

enclosures: photos, soil bore log, 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 Jordan Woodfin SIGNATURE *Jordan Woodfin* COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LBB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE *Larry Bruce Baker Jr.* DATE 2-28-11

## EME Jct. H-32

Unit H Section 32, T19S, R37E



Drilling Soil bore

7/26/2010



Soil Bore plugged with bentonite

7/26/2010

Logger:	Lara Weinheimer
Driller:	Harrison & Cooper
Consultant:	RECS
Drilling Method:	Air Rotary
Start Date:	7/26/2010
End Date:	7/26/2010



**Comments:** All samples from cuttings. Located at source of the former junction box site.  
 Drafted by: Lara Weinheimer  
 TD = 12 ft Estimated depth to GW = 31 ft

**Project Name:** EME jct. H-32  
**Well ID:** SB-1  
**Location:** UL/H sec. 32 T19S R37E  
**Lat:** N 32°37'0.877" **County:** Lea  
**Long:** W 103°15'56.903" **State:** NM

Depth (feet)	chloride field tests	LAB	PID	Description	Lithology	Well Construction
3 ft	59		0.8	Tan to black caliche with chert. Slight odor.	[Red shaded lithology]	[Hatched well construction]
4 ft	98		0.8			
5 ft	89		1.2			
6 ft	101		11.9			
7 ft	108		13.6			
8 ft	91		60.2			
9 ft	86		0.8			
10 ft	89		0.2			
11 ft	88		1.5	White coarse caliche	[Dotted lithology]	[Hatched well construction]
12 ft	85	CI-64	1.2			
		GRO <10				
		DRO <10				

COPY

bentonite seal





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

MODEL: PGM 7300	SERIAL NO: 590-000183
MODEL: PGM 7300	SERIAL NO: 590-000504 508
MODEL: PGM 7600	SERIAL NO: 110-12383
MODEL: PGM 7600	SERIAL NO: 110-02920

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: 930132	EXPIRATION DATE: 7-28-13
FILL DATE:	METER READING ACCURACY: 100.0

ACCURACY: +/- 2%

SYSTEM	SITE	UNIT	SECTION	TOWNSHIP	RANGE
EME	JOH H-32	H	32	T19S	R37E

SAMPLE ID: Soil bore #1

DEPTH	PID	DEPTH	PID	DEPTH	PID	DEPTH	PID
3'	0.8						
4'	0.8						
5'	1.2						
6'	11.9						
7'	13.6						
8'	60.2						

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

Signature [Signature]

Date 7-26-10

SITE MAP

# CHLORIDE CONCENTRATION CURVE

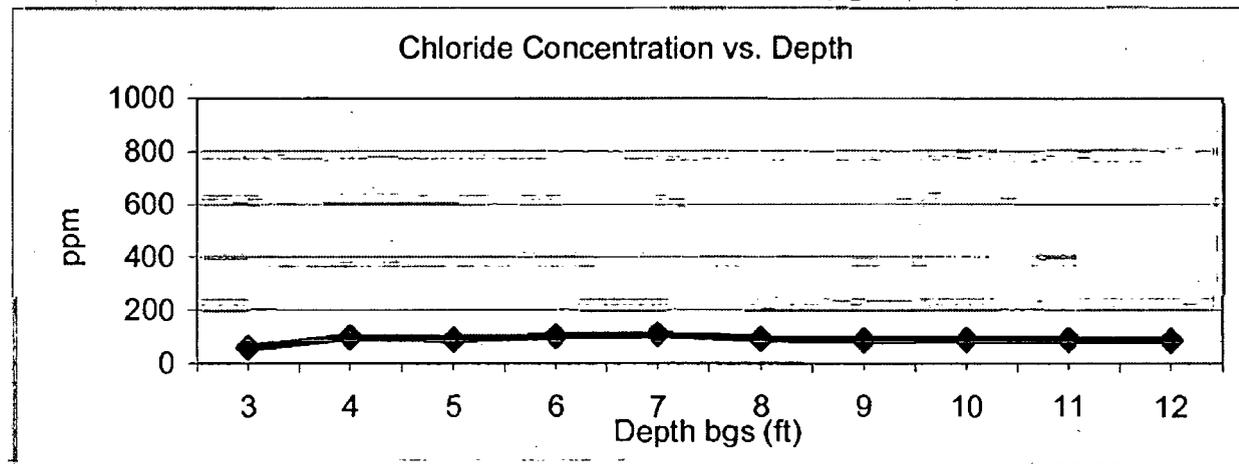
RICE Operating Company

## EME Jct. H-32

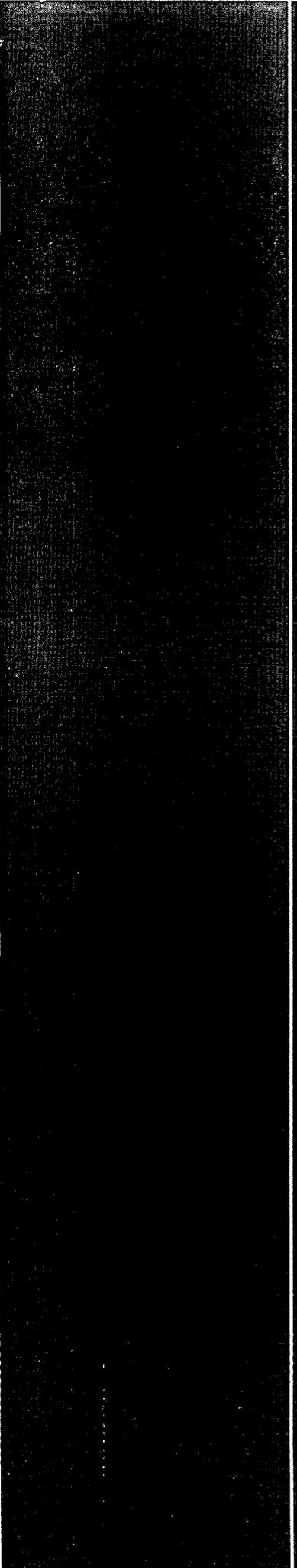
Unit 'H', Sec. 32, T19S, R37E

Soil bore at the former junction (source)

Depth bgs (ft)	[Cl] ppm
3	59
4	98
5	89
6	101
7	108
8	91
9	86
10	89
11	88
12	85



Groundwater = 31 ft.



# Current Photodocumentation

**RICE *Operating Company* (ROC)**  
112 West Taylor Hobbs, NM 88240  
Phone: (575) 393-9174 Fax: (575) 397-1471

**EME Jct. H-32**  
UL/H, Section 32, T19S, R37E



Facing southeast

2/5/2013



Facing north

2/5/2013