

1R - 427-402

REPORTS

DATE:

3-15-13

18427-402

EME N-23 EOL

2012

RECEIVED

APR 2 2013

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

CLOSURE

RICE *Operating Company*

122 West Taylor • Hobbs, New Mexico 88240

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

April 1, 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

RECEIVED

APR 2 2013

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

RE: Termination Request
EME N-23 EOL: UL/N, Sec. 23, T20S, R36E
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 2012, ROC initiated work on the former N-23 EOL junction box. The site is located in UL/N, Sec. 23, T20S, R36E. NM OSE records indicate that groundwater would likely be encountered at a depth of approximately 159 +/- feet. The site was delineated using a backhoe to collect soil samples at regular intervals, creating a 3x7x7-ft deep excavation. Each sample was field titrated for chlorides and field screened using a PID for hydrocarbons, resulting in low concentrations of each. The 7-ft sample was sent to a commercial laboratory for analysis of chloride and TPH, resulting in a chloride concentration of 96 mg/kg and concentrations of gasoline range organics (GRO) concentration and diesel range organics (DRO) below detectable limits. The excavated soil was returned to the excavation and contoured to the surrounding area. On 7/18/2012, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. The junction box location plat, final report, photo documentation, laboratory analysis, PID sheet, chloride graph, and revegetation form 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

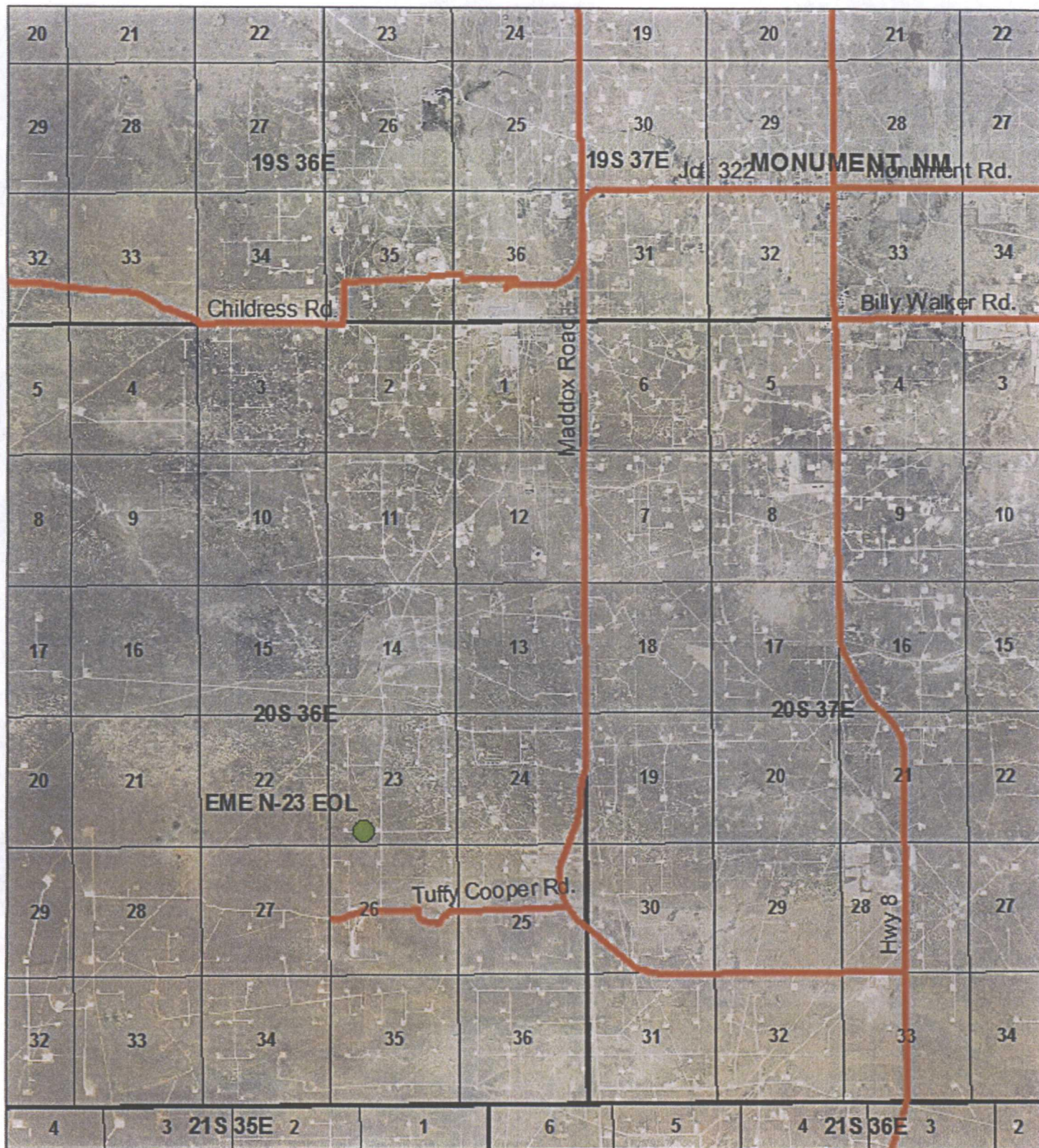
A handwritten signature in black ink, appearing to read "H. Conder", with a long horizontal flourish extending to the right.

Hack Conder
Environmental Manager

enclosures

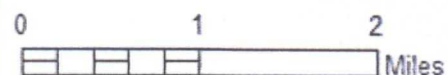
BOX LOCATION

PROJECT LEADER Zach Conder SIGNATURE  DATE 3-15-13



EME N-23 EOL

UL/N SECTION 23
T-20-S R-36-E
LEA COUNTY, NM



Drawing date: 11/7/12
Drafted by: Tony Grieco

EME N-23 EOL

UL/N Sec. 23 (T20S-R36E)



Excavating site

7/18/2012



Collecting sample

7/18/2012



Seeding site

7/18/2012



Site complete

7/18/2012



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

July 20, 2012

ZACH CONDER

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: EME N-23 EOL

Enclosed are the results of analyses for samples received by the laboratory on 07/18/12 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

COPY



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

Analytical Results For:

Rice Operating Company
ZACH CONDER
112 W. Taylor
Hobbs NM, 88240
Fax To: (575) 397-1471

Received: 07/18/2012
Reported: 07/20/2012
Project Name: EME N-23 EOL
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 07/18/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOURCE @ 7' (H201646-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/19/2012	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	07/19/2012	ND	194	97.1	200	12.9		
DRO >C10-C28	<10.0	10.0	07/19/2012	ND	201	100	200	10.1		
<hr/>										
Surrogate: 1-Chlorooctane		78.6 %	65.2-140							
Surrogate: 1-Chlorooctadecane		102 %	63.6-154							

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Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

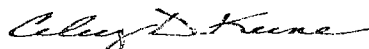
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

RICE ENVIRONMENTAL CONSULTING & SAFETY

122 West Taylor Hobbs, NM 88240
 PHONE: (505) 393-9174 FAX: (505) 397-1471
 PID METER CALIBRATION & FIELD REPORT FORM

CK.	
MODEL	
NO.	X

MODEL: PGM 7300	SERIAL NO: 590-000508
MODEL: PGM 7300	SERIAL NO: 590-000504
MODEL: PGM 7320	SERIAL NO: 592-903318
MODEL: PGM 7300	SERIAL NO: 590-000183

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO: HAL-248-100-1	EXPIRATION DATE: 7/1/2015
METER READING ACCURACY: 100	

ACCURACY : +/- 2%

COMPANY
RICE OPERATING

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	N-23 EOL	N	23	T20S	R36E

SAMPLE ID	PID	SAMPLE ID	PID
Background @ 6"	6.6		
Source @ 3'	6.9		
Source @ 4'	7.4		
Source @ 5'	5.3		
Source @ 6'	5		
Source @ 7'	4.4		

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

SIGNATURE: _____ Not Available _____ DATE: 7/18/2012

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

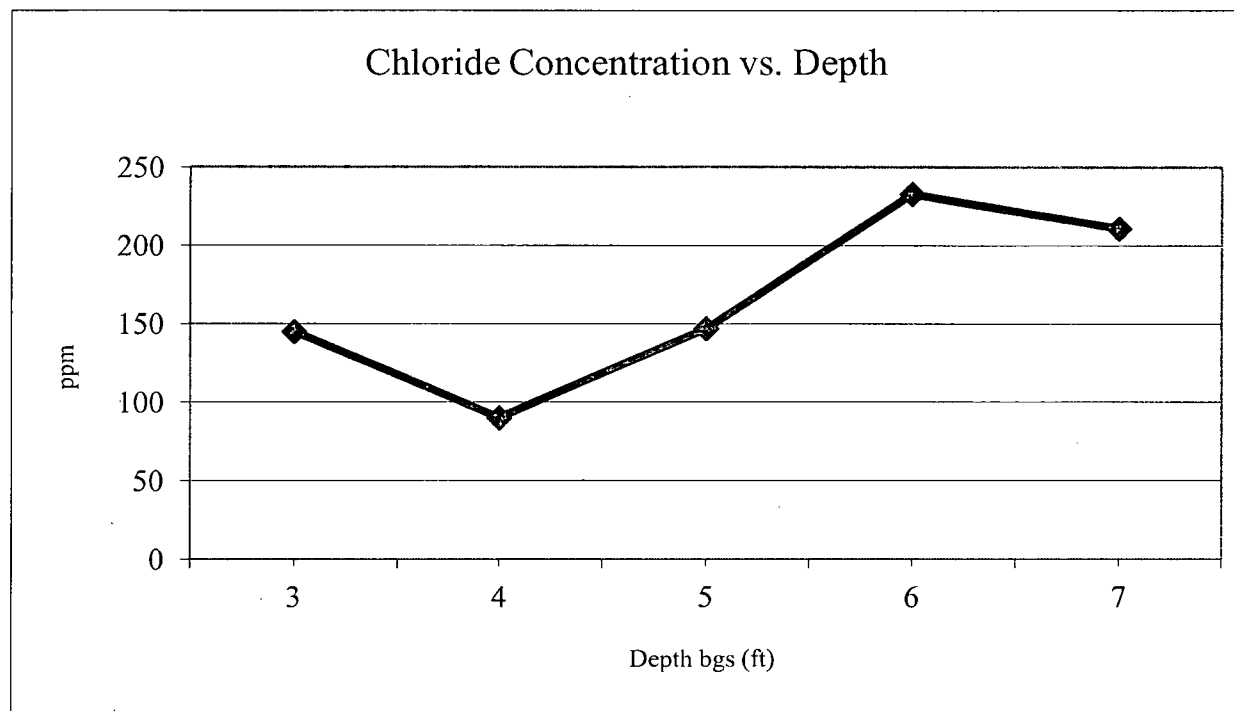
EME N-23 EOL

Unit 'N', Sec. 23, T20S, R36E

Backhoe samples at junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
3	145
4	90
5	147
6	233
7	211

Groundwater = 159 ft





PO Box 5630
Hobbs, NM 88241
Phone: (575) 393-4411
Fax: (575) 393-0293

REVEGETATION FORM

1. General Information

Site name: EME N-23 EOL						
U/L N	Section 23	Township T21S	Range R36E	County LEA	Latitude 32° 33' 10.18"	Longitude 103° 19' 44.83"
Contact Name: ZACHARY CONDER						
Email: zconder@rice-ecs.com						
Site size: Square feet: 35			Map detail of site attached <input checked="" type="checkbox"/>			
Additional information:						

2. Soils

**Do not rip caliches subsoils; caliche rocks brought to the surface by ripping shall be removed.*

Salvaged from site <input checked="" type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input type="checkbox"/>	Blended <input type="checkbox"/>	Depth (in):	
Texture:		Describe soil & subsoil:			
Soil prep methods:	Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Roller pack <input type="checkbox"/>
Date completed: 7-18-2012					

3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input type="checkbox"/>
Type:		Describe:
Lbs/acre:		

4. Seeding

**Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R.*

Custom seed mix <input checked="" type="checkbox"/>	Prescribed mix <input type="checkbox"/>	Seed mix name: 4 LBS. BLUE GRAMA, 4 LBS. SIDE OATS GRAMA
Seeding date: 7-18-2012		
Broadcast <input checked="" type="checkbox"/>		
Method: Hand Broadcast		
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>		
Photos attached <input checked="" type="checkbox"/>	Observations: Grass seed was raked into the soil	
Number of photos:		

5. Certification

I hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief.

Name: Dustin Yarbrough	Title: Environmental Tech	Date: 7-18-2012
Signature: Not Available		