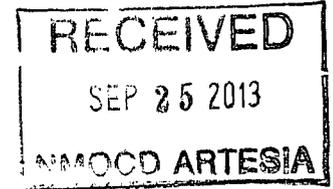




EXPLORING WHAT'S POSSIBLE



# APACHE CORPORATION

P.O.Box 1849  
Eunice, NM 88231  
Phone 575.394.3159

## Tony Federal Battery AD

---

### Closure Report

2RP-1477

API 30-015-30382

Release Date: November 24, 2012

Unit Letter K,N, Section 18, Township 17S, Range 31E

Jean, enclosed are Apache Termination Request Reports for various sites in your area. Mike had said he wanted the reports prior to the next meeting so that he could look them over. If you have any questions or concerns, please let me know.

Thanks!

Lara

RECS

# Rice Environmental Consulting & Safety

---

P.O. Box 2948 Hobbs, NM 88241

Phone 575.393.2967

**February 21, 2013**

Mike Bratcher

New Mexico Energy, Minerals, & Natural Resources

Oil Conservation Division, Environmental Bureau – District 2

811 S. First St.

Artesia, NM 88210

**RE: TERMINATION REQUEST**

**Apache – Tony Federal Battery AD**

**UL/K,N sec. 18 T17S R31E**

**API No. 30-015-30382**

**2RP-1477**

Mr. Bratcher:

Apache Corporation has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the site referenced above.

## **Background and Previous Work**

The site is an accidental discharge of hydrocarbons associated with the Tony Federal Battery. A transmitter on the salt water disposal pumps failed causing water to be dispensed into the oil tank. Fluids from the oil tank were released within the battery facility. NMOCD was notified, and an initial form C-141 was submitted by Apache Corporation on December 26, 2012 (Appendix A). The site is located approximately 4 miles east of Loco Hills, New Mexico, in unit letter 'K' of section 18, T17S, R31E in Eddy County.

On November 26, 2012, RECS personnel initiated work at the Tony Federal Battery (Figure 1). Soil samples taken from two points at ground surface to 1.5 ft. below ground surface (bgs) were field tested for chloride. Headspace measurements were also taken in the field using a Photo Ionization Detector (PID). The surface samples were submitted to a commercial laboratory for chloride and TPH (GRO/DRO) analyses (Appendix C). The samples contained 11,600 and 7,600 mg/kg chloride, 10,300 mg/kg GRO, and 15,200 and 15,100 mg/kg DRO.

The leak area was excavated by hand to 1 ft. below ground surface (Figure 2). On December 27, 2012, a representative composite sample was collected from the excavation floor and submitted to a laboratory for chloride and TPH analyses (Appendix C). The sample contained 496 mg/kg chloride, <50 mg/kg GRO, and 560 mg/kg DRO.

Excavated soils were removed to a NMOCD approved disposal facility. The excavation was backfilled with clean caliche (128 mg/kg chloride, Appendix C), and the site was leveled. See Appendix B for photographs of field activities.

## Conclusion

According to data obtained from the installation of several temporary monitor wells at surrounding locations, no groundwater exists beneath the site (Appendix D). Due to the non-existence of groundwater in the area, Apache submits the final C-141 (Appendix E) and respectfully requests the closure of the regulatory file for this site.

Apache Corporation appreciates the opportunity to work with you on this project. Please call the number below if you have any questions or comments.

Sincerely,



Bruce Baker  
Project Manager  
RECS  
(575) 631-5157

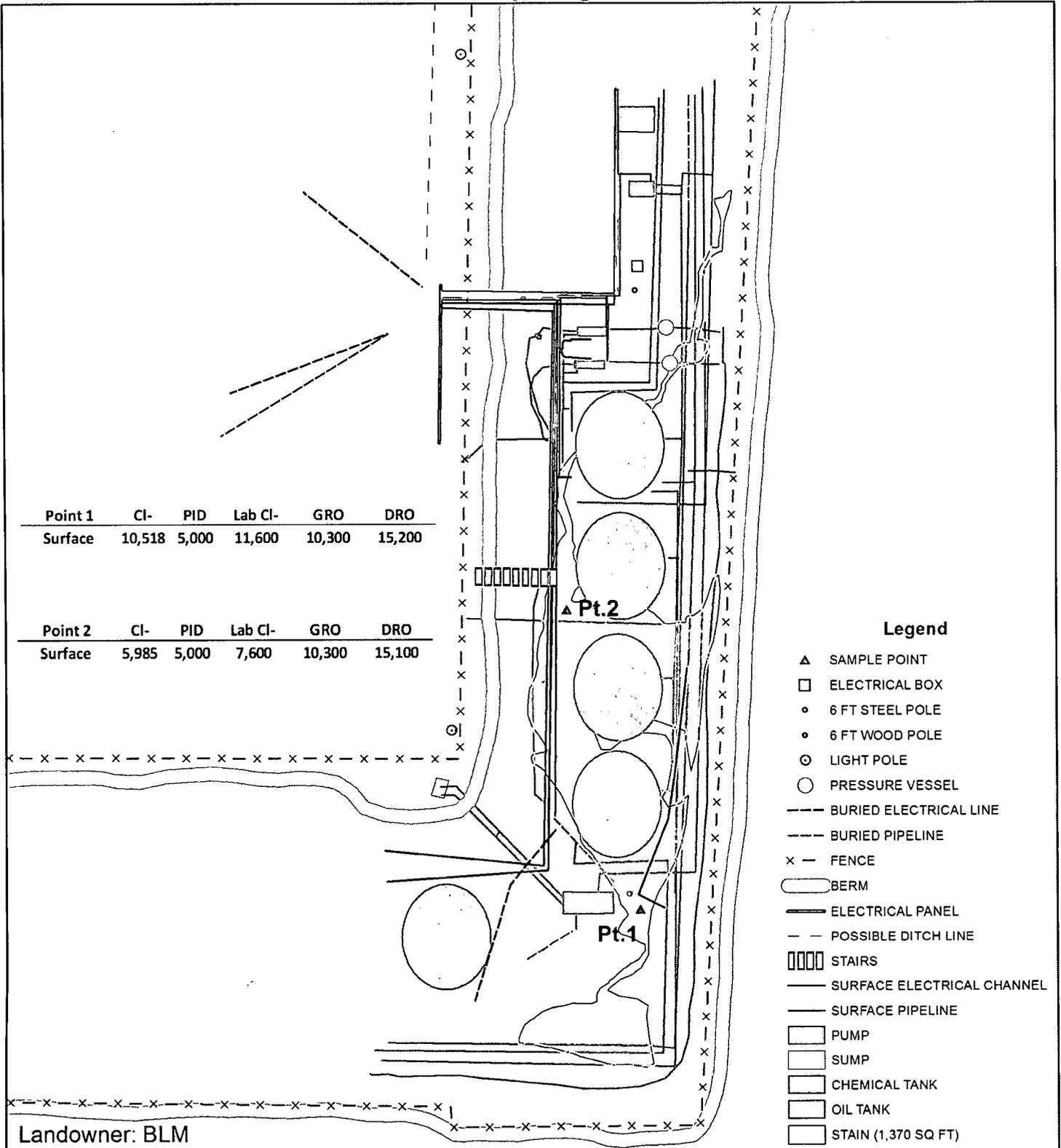
### Attachments:

- Figure 1: Site Plat with Initial Sampling Data
- Figure 2: Site Plat with Final Excavation Lab Data
- Appendix A: Initial Form C-141
- Appendix B: Site Photographs
- Appendix C: Laboratory Results
- Appendix D: Groundwater Study
- Appendix E: Final Form C-141

# Figures

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 2948 Hobbs, NM 88241  
Phone 575.393.2967

# Initial Sampling Data



Point 1	Cl-	PID	Lab Cl-	GRO	DRO
Surface	10,518	5,000	11,600	10,300	15,200

Point 2	Cl-	PID	Lab Cl-	GRO	DRO
Surface	5,985	5,000	7,600	10,300	15,100

### Legend

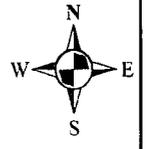
- ▲ SAMPLE POINT
- ELECTRICAL BOX
- 6 FT STEEL POLE
- 6 FT WOOD POLE
- ⊙ LIGHT POLE
- PRESSURE VESSEL
- BURIED ELECTRICAL LINE
- BURIED PIPELINE
- x - FENCE
- ▭ BERM
- ELECTRICAL PANEL
- - POSSIBLE DITCH LINE
- ▭ STAIRS
- SURFACE ELECTRICAL CHANNEL
- SURFACE PIPELINE
- ▭ PUMP
- ▭ SUMP
- ▭ CHEMICAL TANK
- ▭ OIL TANK
- ▭ STAIN (1,370 SQ FT)

Landowner: BLM



**APACHE  
TONY FEDERAL  
BATTERY**  
UL K & N SECTION 18  
T-17-S R-31-E  
EDDY COUNTY, NM

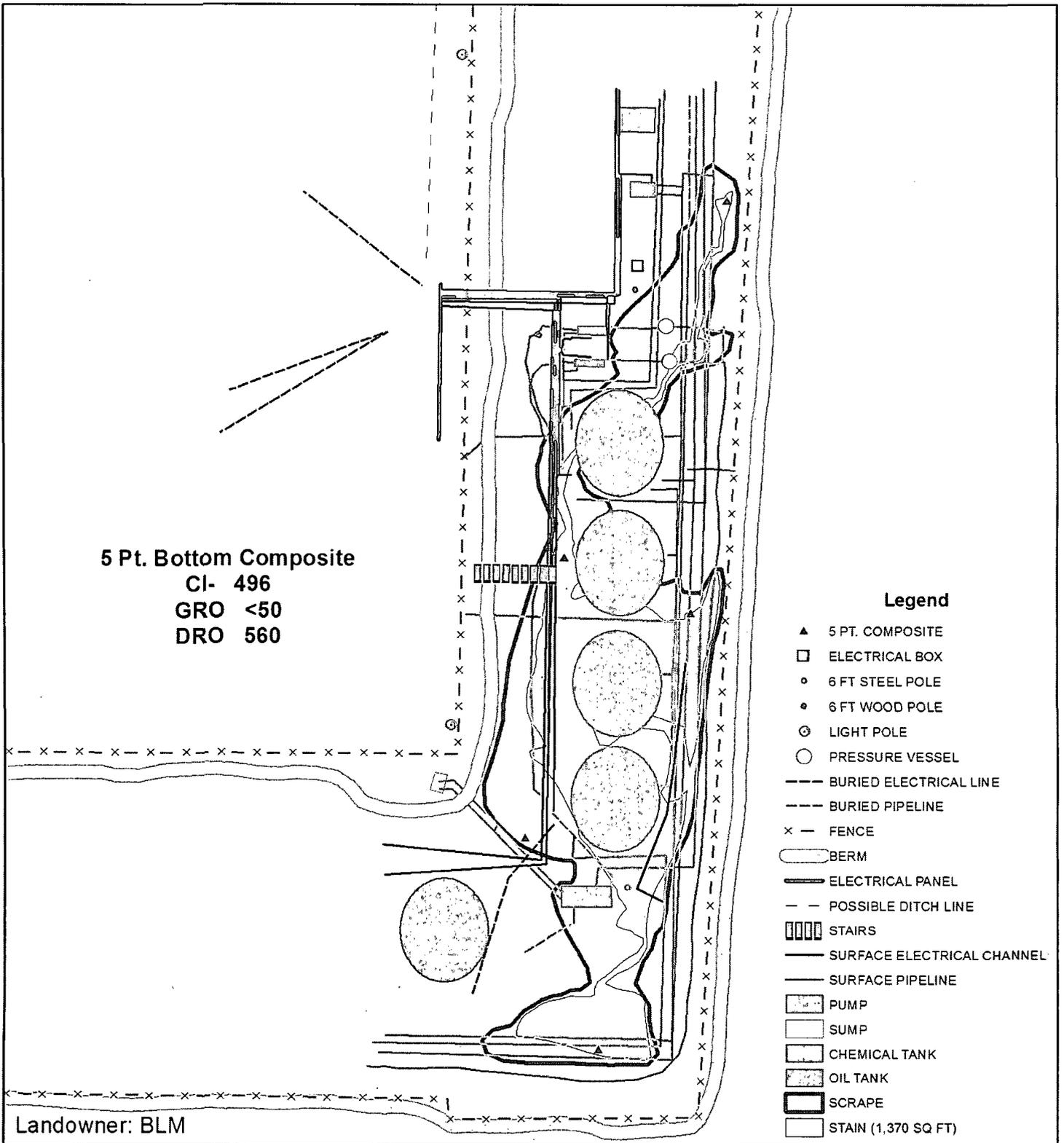
Figure 1



0 10 20  
▭▭▭▭ Feet

GPS date: 11/26/12 KN, 11/29/12 TG  
Drawing date: 2/21/13  
Drafted by: Tony Grieco, A.C.Ruth

# Final Excavation Lab Data



**APACHE  
 TONY FEDERAL  
 BATTERY**  
 UL K & N SECTION 18  
 T-17-S R-31-E  
 EDDY COUNTY, NM

**Figure 2**



0 10 20  
 Feet

GPS date: 11/29/12 TG, 12/27/12 EC  
 Drawing date: 2/21/13  
 Drafted by: Tony Grieco, A.C.Ruth

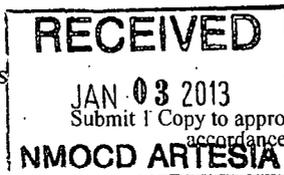
# Appendix A

Initial Form C-141

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 2948 Hobbs, NM 88241  
Phone 575.393.2967

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505



Form C-141  
Revised August 8, 2011

**Release Notification and Corrective Action**

*njmw1300355354* OPERATOR  Initial Report  Final Report

Name of Company Apache Corporation <i>873</i>	Contact Natalie Gladden
Address PO Box 1849, Eunice NM 88231	Telephone No. 575-390-4186
Facility Name Tony Federal Battery (nearest well #1)	Facility Type Production Facility
Surface Owner BLM	Mineral Owner BLM
API No. 30-015-30382	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
Lot 4	-18	17S	31E	990'	FSL	330'	FWL	Eddy

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

Type of Release Oil	Volume of Release 35	Volume Recovered 30
Source of Release Water Tank	Date and Hour of Occurrence 11/24/12	Date and Hour of Discovery Same
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Amos/Leking	
By Whom? Natalie Gladden	Date and Hour 11/26/2012 612am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* The transmitter that operates the SWD pumps failed. The pumps did not kick on which high leveled the water tank, which caused the water to go into the oil tank. Fluid was recovered from inside the bermed area.		
Describe Area Affected and Cleanup Action Taken.* Site will be remediated by NMOCD/BLM Guidelines to closure.		

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Natalie Gladden</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Natalie Gladden	Approved by Environmental Specialist: Signed By <i>Mike Bernice</i>	
Title: Sr. Environmental Tech	Approval Date: <b>JAN 03 2013</b>	Expiration Date:
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/26/12 Phone: 575-390-4186		

\* Attach Additional Sheets If Necessary

Remediation per OCD Rules & Guidelines. **SUBMIT REMEDIATION PROPOSAL NOT LATER THAN: February 3<sup>rd</sup>, 2013**

*2RP-1477*

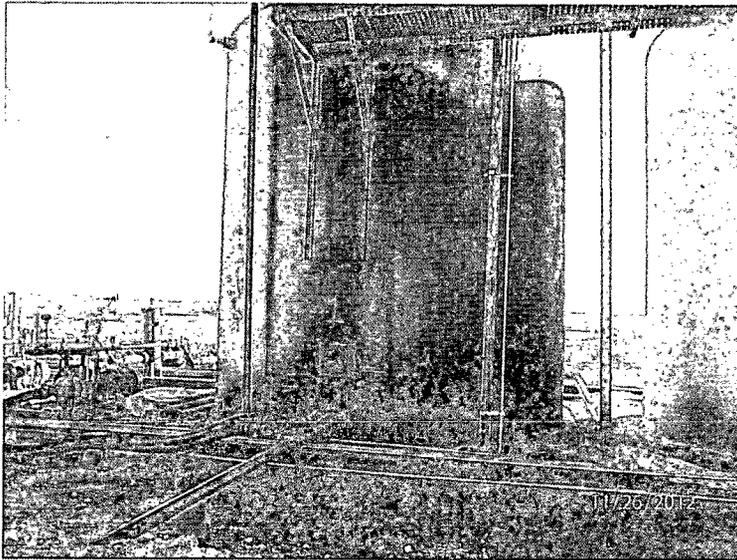
# Appendix B

Site Photographs

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 2948 Hobbs, NM 88241  
Phone 575.393.2967

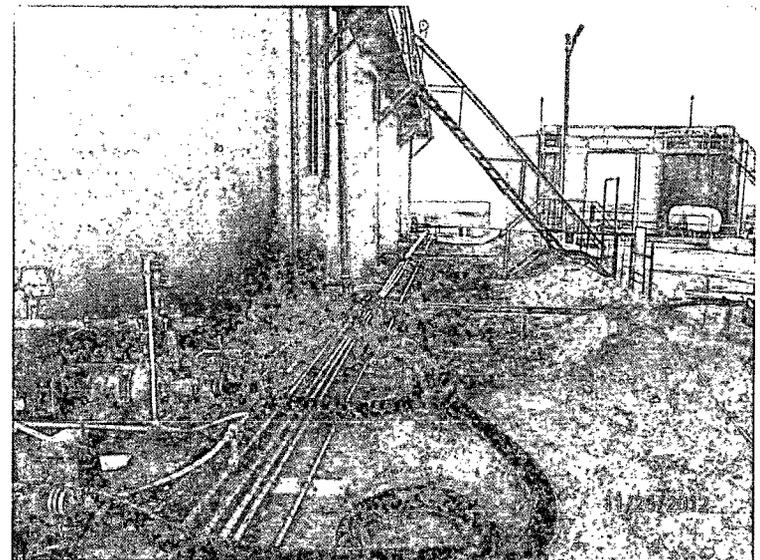
# Tony Federal Tank Battery AD

Unit Letter K,N, Section 18, T17S, R31E



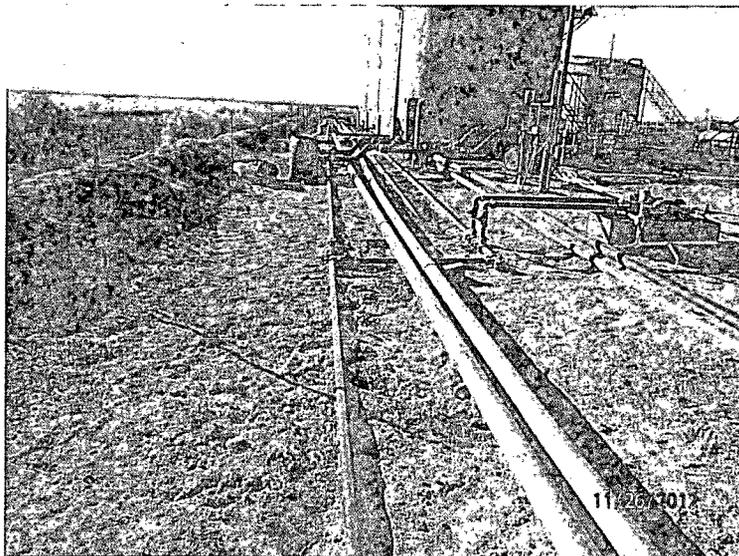
Source of release, facing east

11/26/12



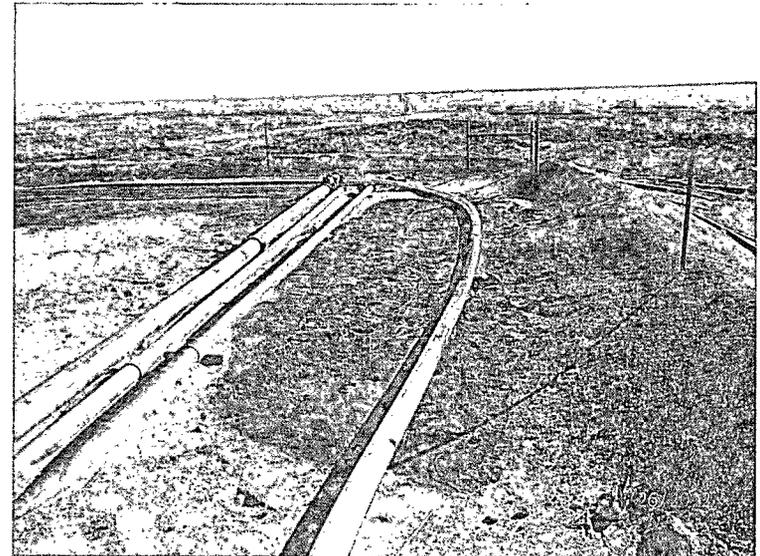
Release area, facing south

11/26/12



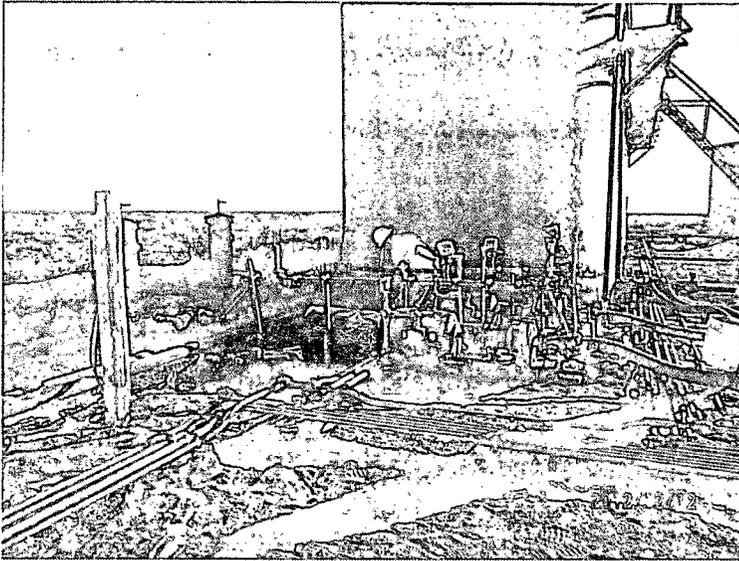
Release area, facing south

11/26/12



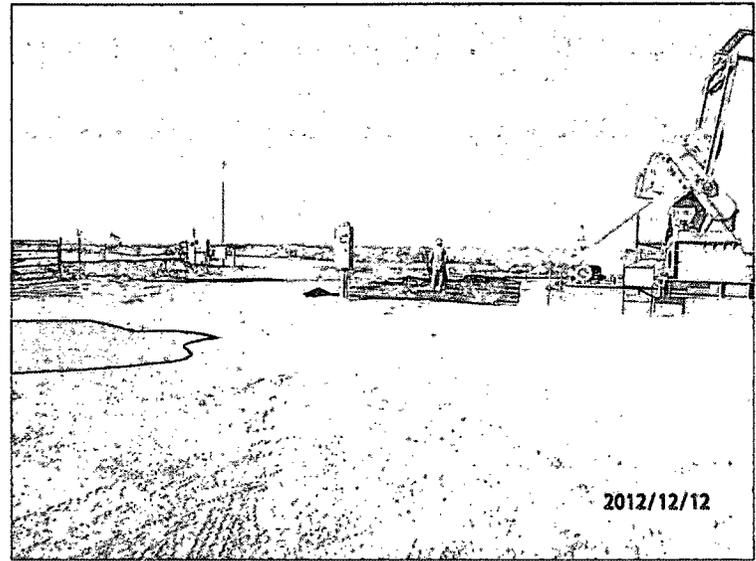
Initial release area, facing east

11/26/12



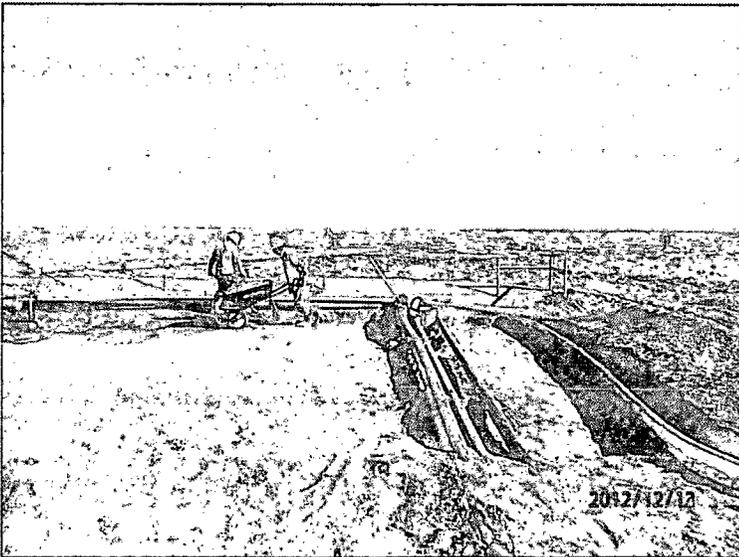
Excavating, facing southwest

12/12/12



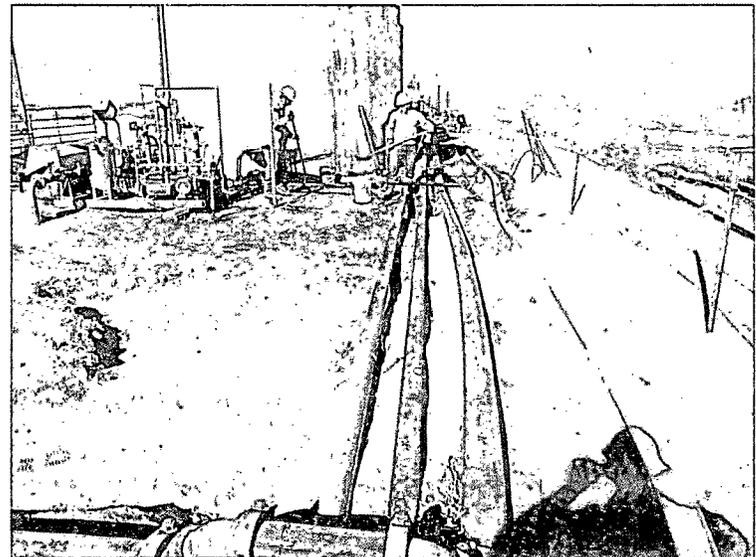
Stockpiling on plastic, facing east

12/12/12



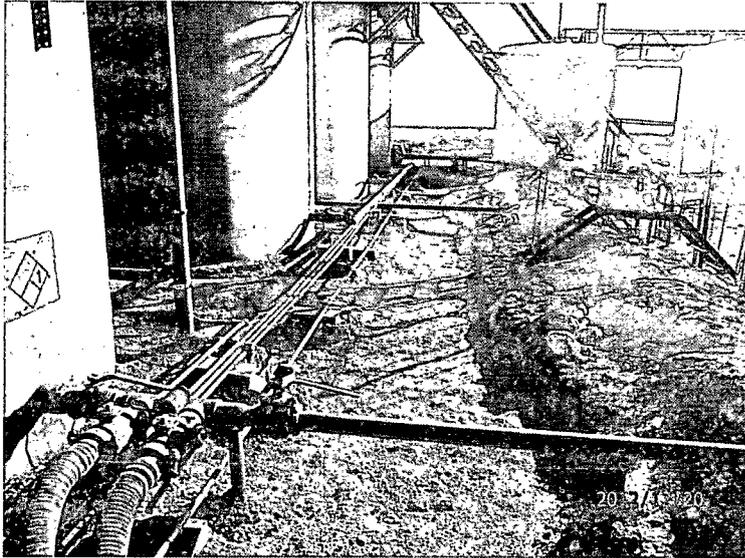
Excavating, facing east

12/13/12



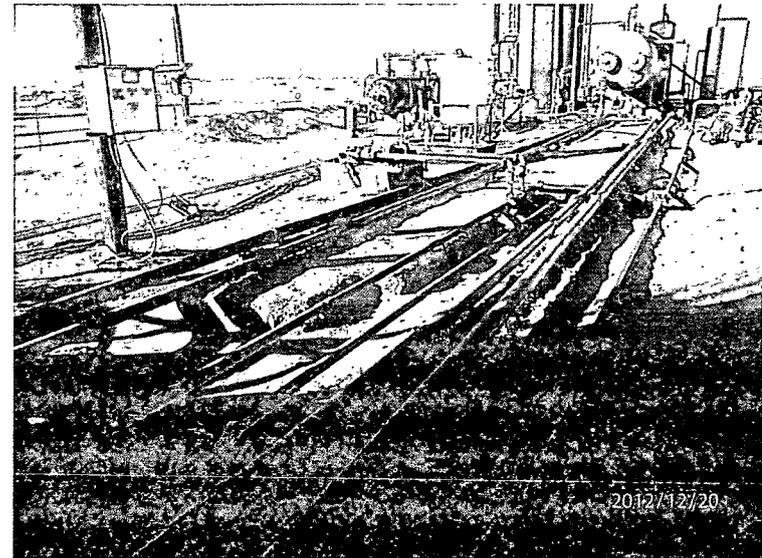
Excavating, facing north

12/17/12



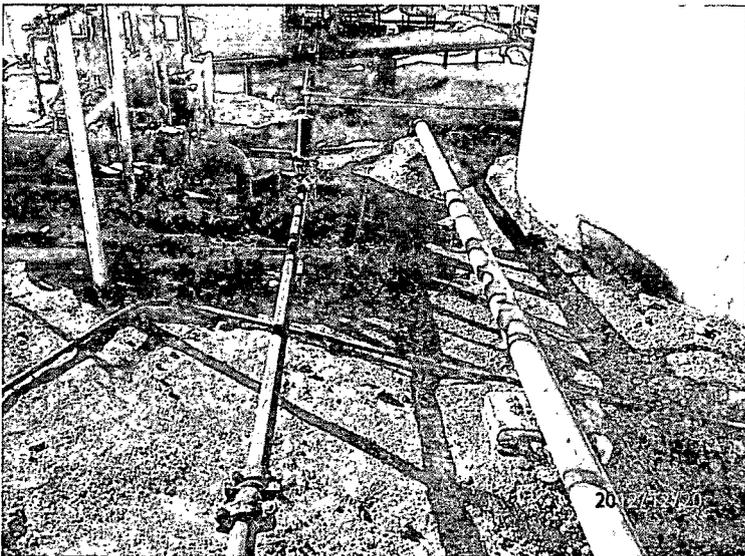
Excavation complete, facing south

12/20/12



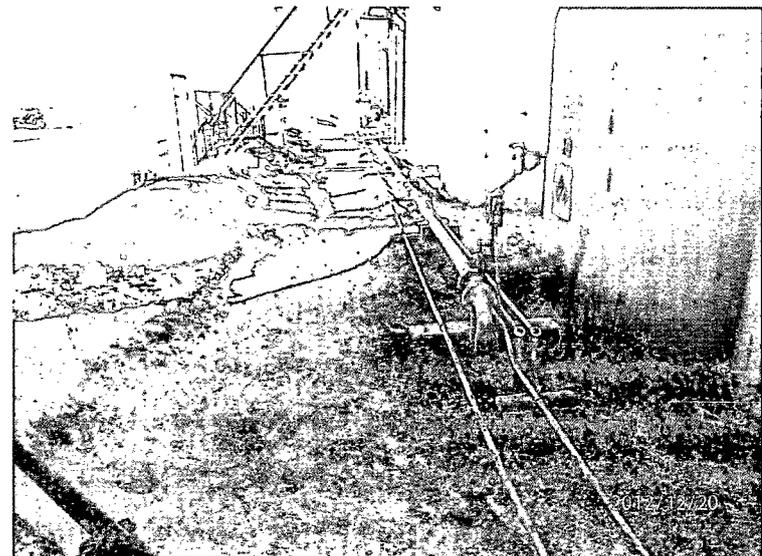
Excavation complete, facing north

12/20/12



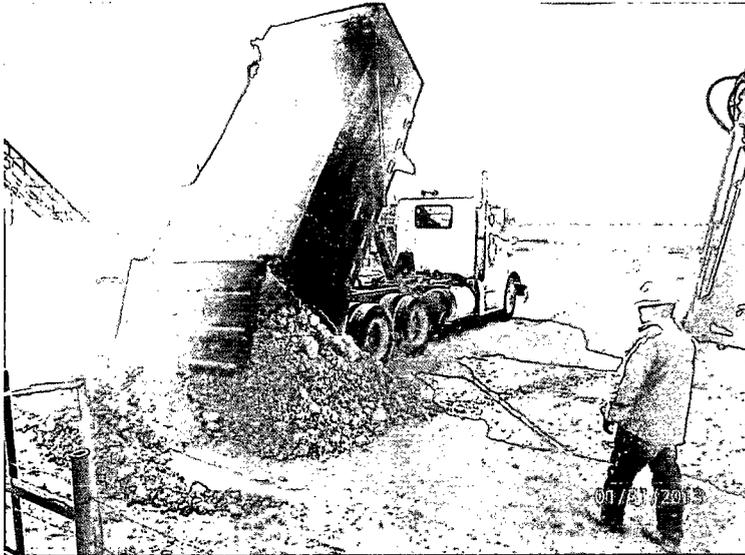
Excavation complete, facing west

12/20/12



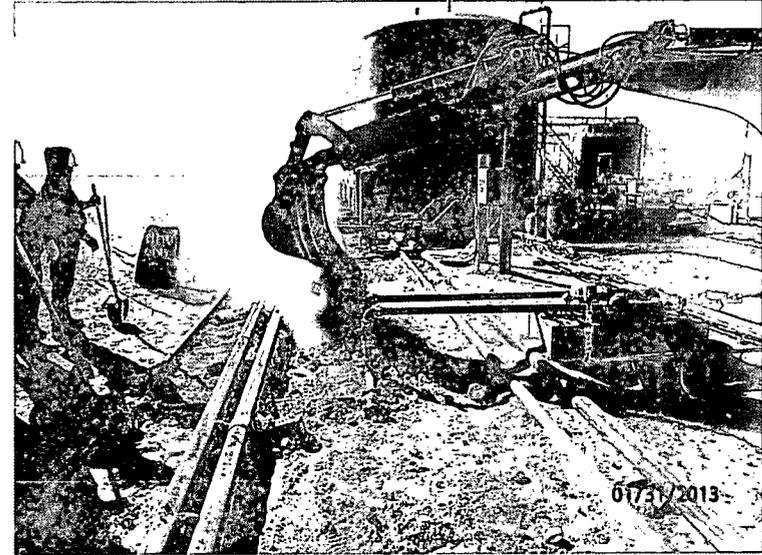
Excavation complete, facing north

12/20/12



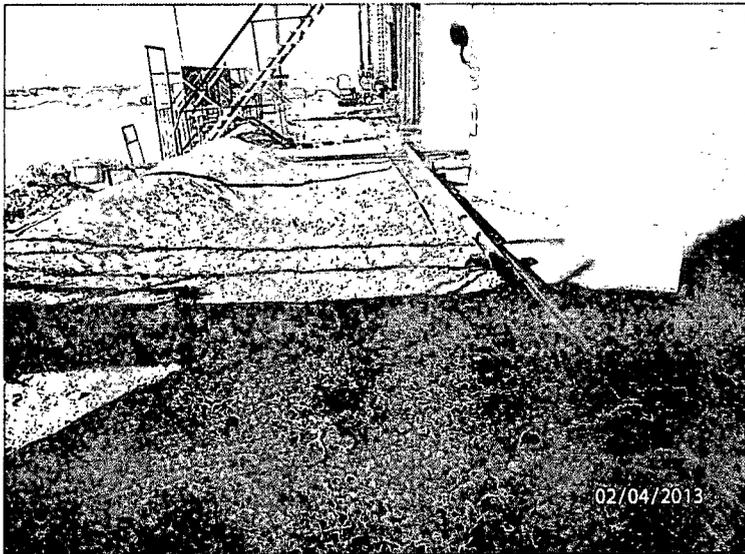
Importing backfill, facing south

1/31/13



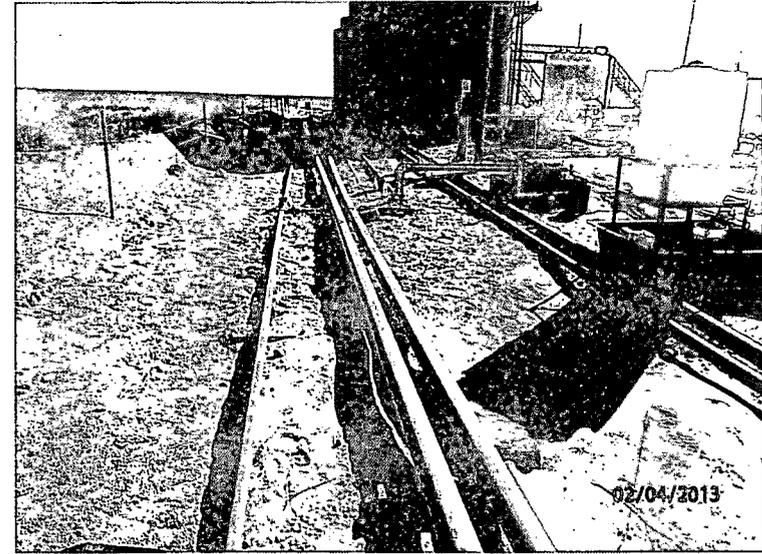
Backfilling, facing south

1/31/13



Backfill complete, facing north

2/4/13



Backfill complete, facing south

2/4/13

# Appendix C

## Laboratory Results

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 2948 Hobbs, NM 88241  
Phone 575.393.2967

**Analytical Results For:**

 APACHE - EUNICE  
 NATALIE GLADDEN  
 P. O. BOX 1849  
 EUNICE NM, 88231  
 Fax To: 394-2425

Received:	11/26/2012	Sampling Date:	11/26/2012
Reported:	11/28/2012	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY AD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: PT. 1 @ SURFACE (H202842-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>11600</b>	16.0	11/28/2012	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	
<b>GRO C6-C10</b>	<b>10300</b>	50.0	11/27/2012	ND	183	91.4	200	0.678		
<b>DRO &gt;C10-C28</b>	<b>15200</b>	50.0	11/27/2012	ND	192	95.9	200	2.48		

Surrogate: 1-Chlorooctane	210 %	65.2-140
Surrogate: 1-Chlorooctadecane	207 %	63.6-154

**Sample ID: PT. 2 @ SURFACE (H202842-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>7600</b>	16.0	11/28/2012	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	
<b>GRO C6-C10</b>	<b>10300</b>	50.0	11/27/2012	ND	183	91.4	200	0.678		
<b>DRO &gt;C10-C28</b>	<b>15100</b>	50.0	11/27/2012	ND	192	95.9	200	2.48		

Surrogate: 1-Chlorooctane	210 %	65.2-140
Surrogate: 1-Chlorooctadecane	197 %	63.6-154

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**

- S-06            The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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

---

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**



**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603  
 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

Company Name: Apache		<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>														
Project Manager: Natalie Gladden		P.O. #:				Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS									
Address:		Company:																		
City: Hobbs State: NM Zip: 88240		Attn:																		
Phone #: Fax #:		Address:																		
Project #: Project Owner:		City:																		
Project Name:		State: Zip:																		
Project Location: <i>Teap Federal Tank Battery</i>		Phone #:																		
Sampler Name: Kyle Norman		Fax #:																		
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME						
H201342													11/26/12	11:30						
1	<i>101 50 Sample</i>												11/26/12	11:45						

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>Kyle Norman</i>	Date: <i>12/12</i>	Received By: <i>Nodi Henson</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: <i>1:25</i>		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email results Natalie.Gladden@usa.apachecorp.com	
Delivered By: (Circle One)		Sample Condition	Knorman@rice-ecs.com	
Sampler - UPS - Bus - Other:	<i>30</i>	Cool Intact	Bbaker@rice-ecs.com; hconder@rice-ecs.com;	
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Lweinheimer@rice-ecs.com	
		<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		
		CHECKED BY: <i>GH</i>		

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

#26

January 03, 2013

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: TONY FEDERAL TANK BATTERY AD

Enclosed are the results of analyses for samples received by the laboratory on 12/27/12 16:35.

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/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/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

**Analytical Results For:**

 APACHE - EUNICE  
 NATALIE GLADDEN  
 P. O. BOX 1849  
 EUNICE NM, 88231  
 Fax To: 394-2425

Received:	12/27/2012	Sampling Date:	12/27/2012
Reported:	01/03/2013	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY AD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: 5 PT. COMP. (H203097-01)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>496</b>	16.0	12/31/2012	ND	432	108	400	11.8	

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	12/31/2012	ND	187	93.5	200	0.497	
<b>DRO &gt;C10-C28</b>	<b>560</b>	50.0	12/31/2012	ND	199	99.5	200	0.749	

Surrogate: 1-Chlorooctane	85.9 %	65.2-140
Surrogate: 1-Chlorooctadecane	108 %	63.6-154

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**

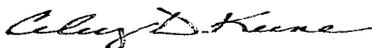
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported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

---

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





January 22, 2013

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: TONY FEDERAL BATTERY AD

Enclosed are the results of analyses for samples received by the laboratory on 01/16/13 16:32.

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/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 APACHE - EUNICE  
 NATALIE GLADDEN  
 P. O. BOX 1849  
 EUNICE NM, 88231  
 Fax To: 394-2425

Received:	01/16/2013	Sampling Date:	01/16/2013
Reported:	01/22/2013	Sampling Type:	Soil
Project Name:	TONY FEDERAL BATTERY AD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

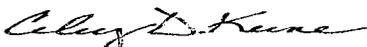
**Sample ID: IMPORTED SOIL (H300115-01)**

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>128</b>	16.0	01/22/2013	ND	432	108	400	3.64	

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

---

Cardinal Laboratories

\*=Accredited Analyte

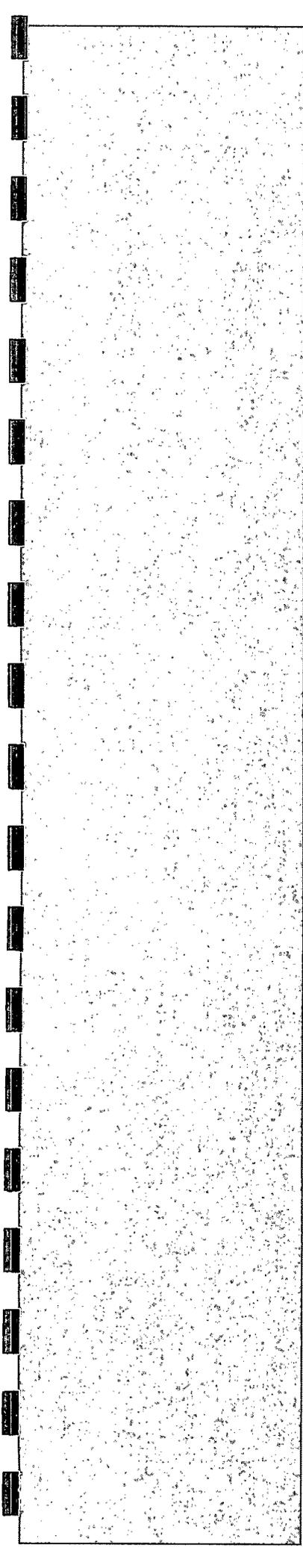
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---

Celey D. Keene, Lab Director/Quality Manager





# Appendix D

## Groundwater Study

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 2948 Hobbs, NM 88241  
Phone 575.393.2967

Apache  
Company

Tony Federal Tank Battery 11-26-12 AD  
site name

K & N  
Unit Letter

18  
Section

T17S  
Township

R31E  
Range

Groundwater Depth:                     none                     ft

Compiled by:                     Amy C. Ruth                    

Date:                     11/28/2012                    

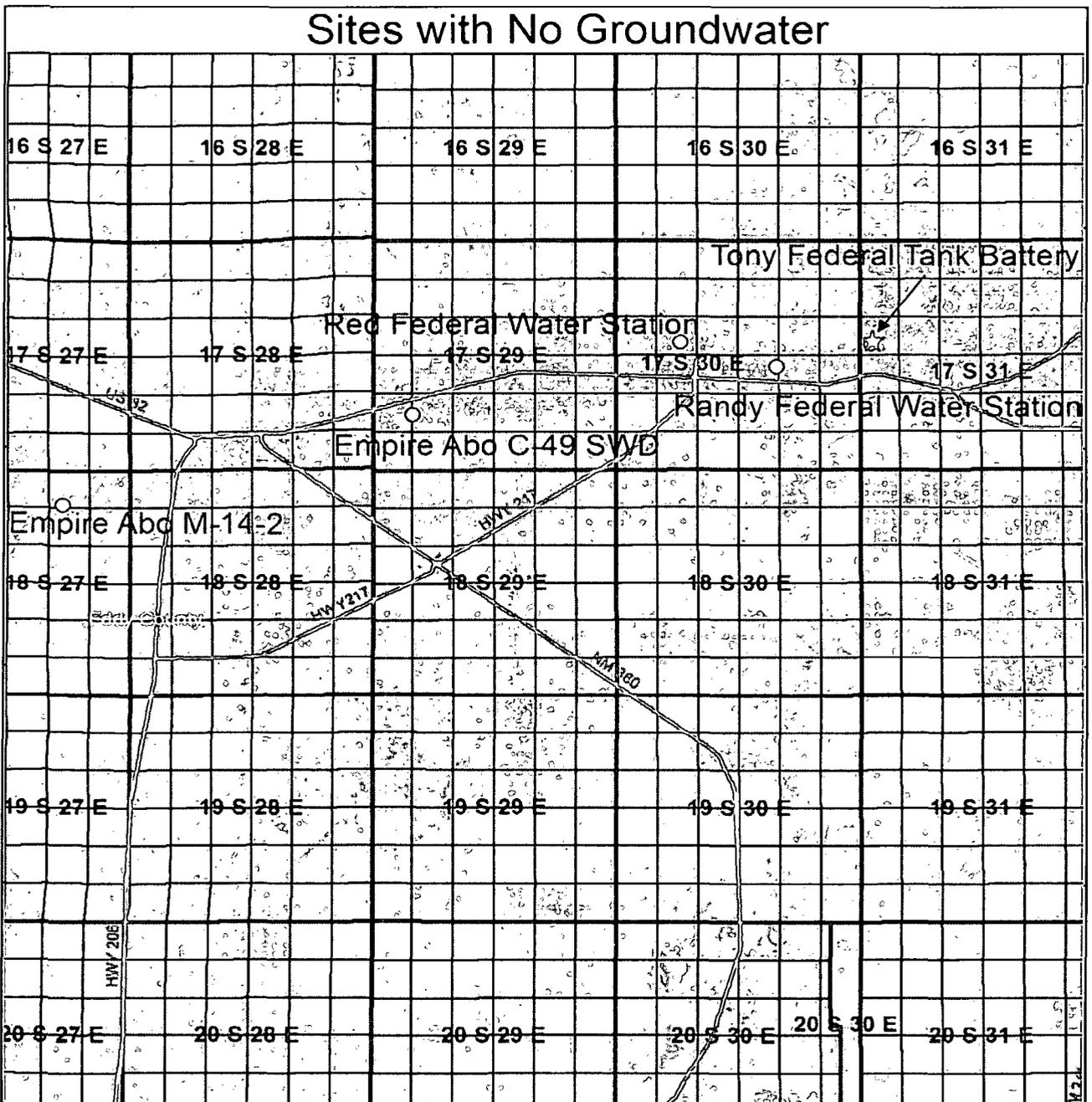
Comments:                     Site is in a known area of no groundwater.                    

○ = Wells of unknown use (USGS)

○

⊙ = Non-production wells  
(commercial, sanitation, domestic, stock)

☆ = Subject Site



# Appendix E

Final Form C-141

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 2948 Hobbs, NM 88241  
Phone 575.393.2967

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company Apache Corp.	Contact Bruce Baker
Address PO BOX 1849, Eunice, NM 88231	Telephone No. (432) 631-6982
Facility Name Tony Federal Battery (nearest well #1)	Facility Type Production Facility
Surface Owner BLM	Mineral Owner BLM
API No. 30-015-30382	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
Lot 4	18	17S	31E	990	FSL	330	FWL	Eddy

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

Type of Release Oil	Volume of Release 35 bbls	Volume Recovered 30 bbls
Source of Release Water Tank	Date and Hour of Occurrence 11/24/12	Date and Hour of Discovery 11/24/12
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Amos/Leking	
By Whom? Natalie Gladden	Date and Hour 11/26/12 612 am	<b>RECEIVED</b>  SEP 25 2013  NMOCD ARTESIA
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		

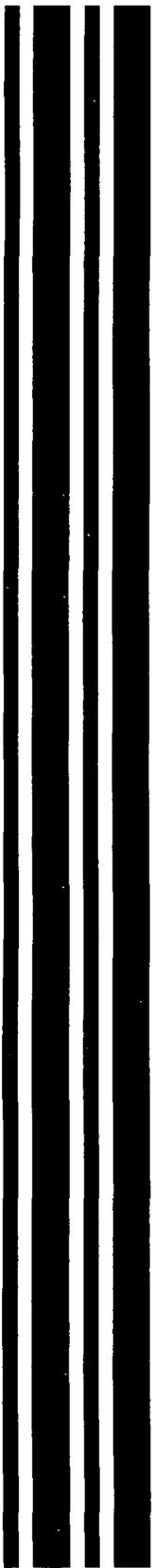
Describe Cause of Problem and Remedial Action Taken.\*  
The transmitter that operates the SWD pumps failed. The pumps did not kick on which high leveled the water tank, which caused the water to go into the oil tank. Fluid was recovered from inside the bermed area.

Describe Area Affected and Cleanup Action Taken.\*  
The leak affected the 1,370 square feet of caliche within the bermed facility. Impacted soils were removed to a NMOCD approved disposal facility. A representative composite soil sample was collected from the excavation floor and sent to a commercial laboratory for confirmation of chloride and TPH. The excavation was backfilled with clean caliche, and the site was leveled.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Bruce Baker</i>		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Bruce Baker		Approved by District Supervisor:	
Title: Environmental Tech		Approval Date:	Expiration Date:
E-mail Address: larry.baker@apachecorp.com		Conditions of Approval:	
Date: 8-30-13 Phone: (432) 631-6982		Attached <input type="checkbox"/>	

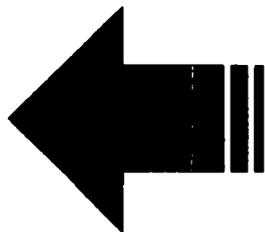
\* Attach Additional Sheets If Necessary



This is a Patch T type separator sheet.

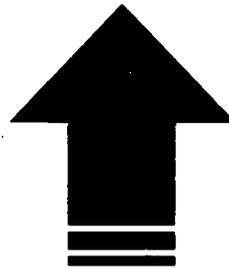


Form Type = "Well file form"  
CODE128 type barcode



Landscape Feed

*New Form Follows...*



Portrait Feed  
*New Form Follows...*

This is a Patch T type separator sheet.



Form Type = "Well file form"  
CODE128 type barcode



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
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Form C-141  
Revised October 10, 2003

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Signature: <i>Bruce Baker</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Bruce Baker	Approved by District Supervisor: 	
Title: Environmental Tech	Approval Date: 4/22/15	Expiration Date: N/A
E-mail Address: larry.baker@apachecorp.com	Conditions of Approval: <i>Final</i>	Attached <input type="checkbox"/>
Date: 8-30-13 Phone: (432) 631-6982		

\* Attach Additional Sheets If Necessary

2RP-1477