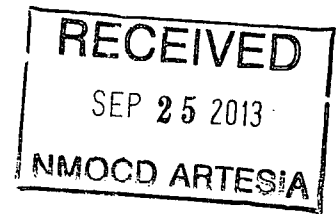




EXPLORING WHAT'S POSSIBLE



APACHE CORPORATION

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

NB Tween #25 (2RP-1606)

Closure Report

API 30-015-39075

Release Date: July 18th, 2012

Unit Letter C, Section 25, Township 17S, Range 28E

Rice Environmental Consulting & Safety

P.O. Box 2948 Hobbs, NM 88241

Phone 575.393.2967

June 3rd, 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 Corporation – NB Tween #25 (2RP-1606)

UL/C sec. 25 T17S R28E

API No. 30-015-39075

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 produced water and oil associated with the NB Tween #25. The well flowed back during a work-over procedure to pull out stuck tubing. A total of 80 barrels of fluid was released and a total of 60 barrels were recovered. An initial C-141 was sent to NMOCD on July 19th, 2012 (Appendix A). The site is located 9 miles west of Loco Hills, New Mexico, in unit letter 'C' of section 25, T17S, R28E in Eddy County. This site is located in an area of no known groundwater.

On July 18th, 2012, RECS personnel initiated work at the NB Tween #25. A plastic liner was installed prior to the installation of the wellhead to inhibit the downward migration of constituents from the wellhead installation and work over activities. Soil samples were collected from the site at ground surface and field tested for chlorides and hydrocarbons (Figure 1). The samples were then submitted to a commercial laboratory for chloride and TPH (GRO/DRO) analyses (Appendix B). Laboratory readings returned with high chloride and TPH results across the release area except in the overspray area for points 6-8.

The affected areas of the release on the lease pad were scraped down six inches and field tested for chlorides and hydrocarbons. The areas with elevated chloride readings in the pasture were excavated to 4 ft bgs. The area between the North Pasture Dig and the South Pasture Dig was not excavated due to a poly line that extruded from beneath the lease pad and flowed to the west. The excavated areas were field tested for chloride and hydrocarbons. Representative samples from the lease pad scrape and the excavations were taken to a commercial laboratory for analysis of chlorides (Appendix C). All the chloride laboratory results returned numbers less than 250 mg/kg.

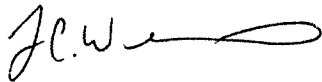
The site was backfilled with clean, imported soil and contoured to the surrounding location. Photo documentation of these activities can be found in Appendix D.

Conclusion

Given that there is no groundwater located beneath the site and that the areas affected by the release have been excavated to NMOCD standards, 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 Hack Conder at (575) 631-6432 if you have any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read 'JL.W.' followed by a stylized flourish.

Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure 1 – Surface Sampling Data
- Figure 2 – Excavation Diagram
- Appendix A – Initial C-141
- Appendix B – Initial Laboratory Analyses
- Appendix C – Final Laboratory Analyses
- Appendix D – Photo Documentation
- Appendix E – Final C-141

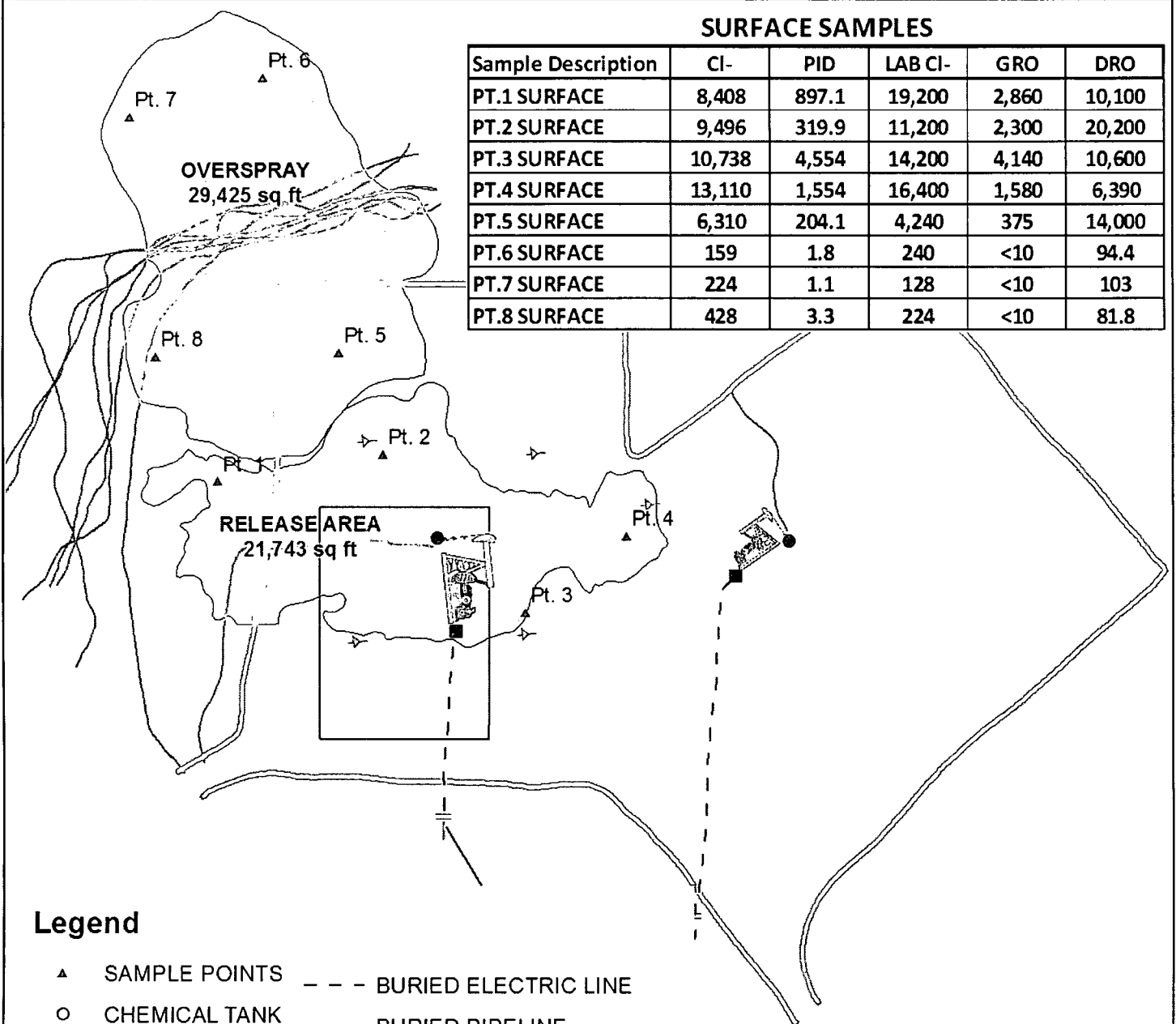
Figures

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

Surface Sampling Data

SURFACE SAMPLES

Sample Description	CI-	PID	LAB CI-	GRO	DRO
PT.1 SURFACE	8,408	897.1	19,200	2,860	10,100
PT.2 SURFACE	9,496	319.9	11,200	2,300	20,200
PT.3 SURFACE	10,738	4,554	14,200	4,140	10,600
PT.4 SURFACE	13,110	1,554	16,400	1,580	6,390
PT.5 SURFACE	6,310	204.1	4,240	375	14,000
PT.6 SURFACE	159	1.8	240	<10	94.4
PT.7 SURFACE	224	1.1	128	<10	103
PT.8 SURFACE	428	3.3	224	<10	81.8



Legend

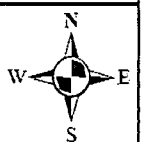
- ▲ SAMPLE POINTS
- CHEMICAL TANK
- CONTROL PANEL
- Y DEADMAN
- ELECTRIC PANEL
- ⊥ ELECTRIC POLE
- WELLHEAD
- - - BURIED ELECTRIC LINE
- - - BURIED PIPELINE
- OVERHEAD ELECTRIC LINE
- SURFACE PIPELINE
- == PAD
- ▭ LINER
- ▭ STAIN (51,168 sq ft)



**APACHE NB
TWEEN ST.
#025 AD**

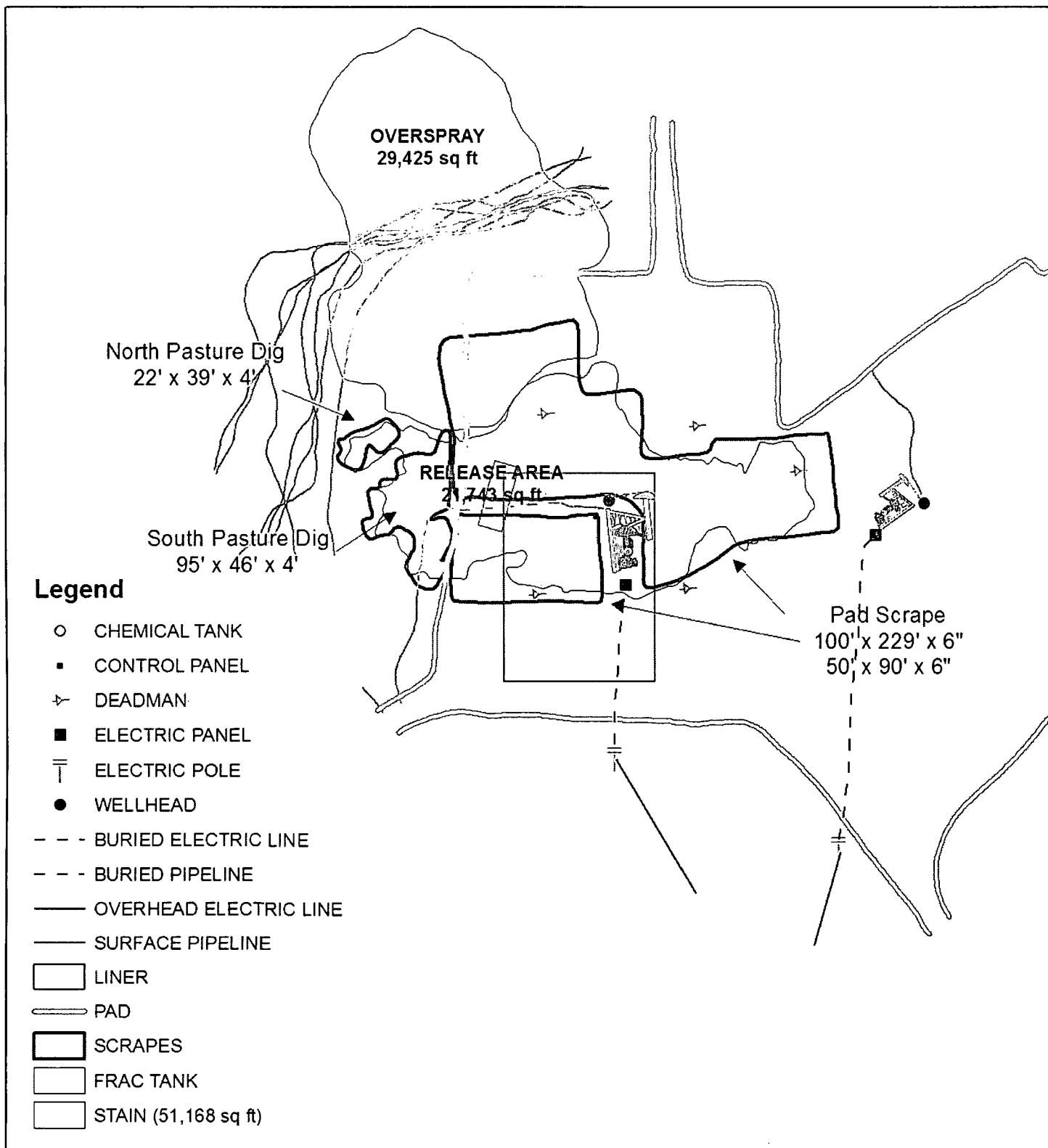
**LEGALS: UL/C sec. 25
T-17-S R-28-E
EDDY COUNTY, NM**

Figure 1



0 75 150
Feet

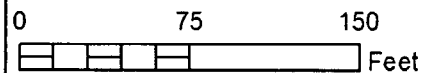
GPS date: 7/18/12 DH
Drawing date: 7/19/12
Drafted by: L. Weinheimer



**APACHE NB
TWEEN ST.
#025 AD**

LEGALS: UL/C sec. 25
T-17-S R-28-E
EDDY COUNTY, NM

Figure 2



GPS date: 7/18/12 DH
Drawing date: 7/19/12
Drafted by: L. Weinheimer

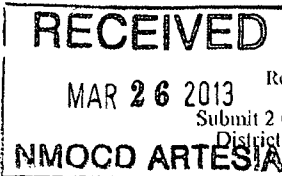
Appendix A

Initial 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

njm 1309933732

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Apache Corporation	Contact	Natalie Gladden
Address	PO Box 1849 Eunice, NM 88231	Telephone No.	575-390-4186
Facility Name	NB Tween #25	Facility Type	Production Well

Surface Owner	Unknown	Mineral Owner	State	Lease No.	30-015-39075
---------------	---------	---------------	-------	-----------	--------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	25	17S	28E	990'	FNL	2120'	FWL	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil and Produced Water	Volume of Release	80	Volume Recovered	60
Source of Release	Flowback	Date and Hour of Occurrence	07/18/12	Date and Hour of Discovery	07/18/12
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher		
By Whom?	Natalie Gladden	Date and Hour	07/19/12		
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.*
Well flowed back during a work-over procedure to pull stuck tubing.

Describe Area Affected and Cleanup Action Taken.*
Once the pulling unit moves off of the location, remediation will begin. Site will be remediated to NMOCD Standard.

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>	OIL CONSERVATION DIVISION	
Printed Name: Natalie Gladden	Approved by District Supervisor:	Signed By: <i>Mike Bratcher</i>
Title: Sr. Environmental Tech	Approval Date: APR 08 2013	Expiration Date:
E-mail Address: natalie.gladdeu@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 07/19/12 Phone: 575-390-4186	Remediation per OCD Rule & Guidelines. SUBMIT REMEDIATION PROPOSAL NO LATER THAN:	

* Attach Additional Sheets If Necessary

May 9, 2013

2RP-1606

Appendix B

Initial Laboratory Analyses

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

July 25, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: N B TWEEN #025 AD

Enclosed are the results of analyses for samples received by the laboratory on 07/20/12 13:35.

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.

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: 07/20/2012
 Reported: 07/25/2012
 Project Name: N B TWEEN #025 AD
 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: PT. 1 SURFACE (H201679-01)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19200	16.0	07/24/2012	ND	416	104	400	3.92	
TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2860	50.0	07/24/2012	ND	169	84.4	200	11.8	
DRO >C10-C28	10100	50.0	07/24/2012	ND	178	89.2	200	11.0	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 85.7 % 63.6-154

Sample ID: PT. 2 SURFACE (H201679-02)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	07/24/2012	ND	416	104	400	3.92	
TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2300	50.0	07/24/2012	ND	169	84.4	200	11.8	
DRO >C10-C28	20200	50.0	07/24/2012	ND	178	89.2	200	11.0	

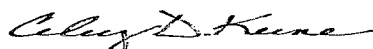
Surrogate: 1-Chlorooctane 166 % 65.2-140

Surrogate: 1-Chlorooctadecane 270 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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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: 07/20/2012
 Reported: 07/25/2012
 Project Name: N B TWEEN #025 AD
 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: PT. 3 SURFACE (H201679-03)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14200	16.0	07/24/2012	ND	416	104	400	3.92	
TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4140	50.0	07/24/2012	ND	169	84.4	200	11.8	
DRO >C10-C28	10600	50.0	07/24/2012	ND	178	89.2	200	11.0	

Surrogate: 1-Chlorooctane 278 % 65.2-140

Surrogate: 1-Chlorooctadecane 185 % 63.6-154

Sample ID: PT. 4 SURFACE (H201679-04)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16400	16.0	07/24/2012	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	1580	50.0	07/24/2012	ND	169	84.4	200	11.8	
DRO >C10-C28	6390	50.0	07/24/2012	ND	178	89.2	200	11.0	

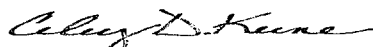
Surrogate: 1-Chlorooctane 187 % 65.2-140

Surrogate: 1-Chlorooctadecane 151 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Caley 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: 07/20/2012
 Reported: 07/25/2012
 Project Name: N B TWEEN #025 AD
 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: PT. 5 SURFACE (H201679-05)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	07/24/2012	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	375	50.0	07/24/2012	ND	169	84.4	200	11.8	
DRO >C10-C28	14000	50.0	07/24/2012	ND	178	89.2	200	11.0	

Surrogate: 1-Chlorooctane 176 % 65.2-140

Surrogate: 1-Chlorooctadecane 232 % 63.6-154

Sample ID: PT. 6 SURFACE (H201679-06)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/24/2012	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	07/24/2012	ND	169	84.4	200	11.8	
DRO >C10-C28	94.4	10.0	07/24/2012	ND	178	89.2	200	11.0	

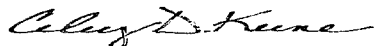
Surrogate: 1-Chlorooctane 81.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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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: 07/20/2012
 Reported: 07/25/2012
 Project Name: N B TWEEN #025 AD
 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: PT. 7 SURFACE (H201679-07)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/24/2012	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	07/24/2012	ND	169	84.4	200	11.8	
DRO >C10-C28	103	10.0	07/24/2012	ND	178	89.2	200	11.0	

Surrogate: 1-Chlorooctane 85.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

Sample ID: PT. 8 SURFACE (H201679-08)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/24/2012	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	07/24/2012	ND	169	84.4	200	11.8	
DRO >C10-C28	81.8	10.0	07/24/2012	ND	178	89.2	200	11.0	

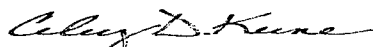
Surrogate: 1-Chlorooctane 87.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

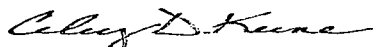
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether imposed 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.

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

Appendix C

Final Laboratory Analyses

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

August 23, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: N B TWEEN #025 AD

Enclosed are the results of analyses for samples received by the laboratory on 08/21/12 16:45.

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.

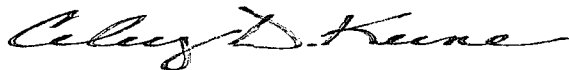
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 08/21/2012
 Reported: 08/23/2012
 Project Name: N B TWEEN #025 AD
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/16/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PASTURE DIG NE WALL (H201987-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/23/2012	ND	400	100	400	0.00	

Sample ID: PASTURE DIG N WALL (H201987-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2012	ND	400	100	400	0.00	

Sample ID: PASTURE DIG NW WALL (H201987-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/23/2012	ND	400	100	400	0.00	

Sample ID: PASTURE DIG N S WALL (H201987-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2012	ND	400	100	400	0.00	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

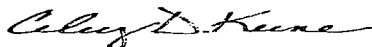
Analytical Results For:APACHE - EUNICE
NATALIE GLADDEN
P. O. BOX 1849
EUNICE NM, 88231
Fax To: 394-2425Received: 08/21/2012
Reported: 08/23/2012
Project Name: N B TWEEN #025 AD
Project Number: NONE GIVEN
Project Location: NOT GIVENSampling Date: 08/21/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson**Sample ID: PAD SCRAPE 5 PT BTM (H201987-05)**

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	08/23/2012	ND	400	100	400	0.00	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

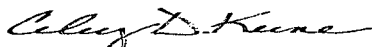
Notes and Definitions

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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



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

August 27, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: N B TWEEN #025 AD

Enclosed are the results of analyses for samples received by the laboratory on 08/22/12 16:33.

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.

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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 "Coley 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: 394-2425Received: 08/22/2012
Reported: 08/27/2012
Project Name: N B TWEEN #025 AD
Project Number: NONE GIVEN
Project Location: NOT GIVENSampling Date: 08/22/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson**Sample ID: PAD SCRAPE-E WALL (H202012-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/24/2012	ND	416	104	400	0.00	

Sample ID: PAD SCRAPE-S WALL (H202012-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/24/2012	ND	416	104	400	0.00	

Sample ID: PAD SCRAPE-N WALL (H202012-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/24/2012	ND	416	104	400	0.00	

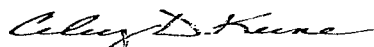
Sample ID: PASTURE DIG S N WALL (H202012-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2012	ND	416	104	400	0.00	

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* = Accredited Analyte

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Celest 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: 08/22/2012
 Reported: 08/27/2012
 Project Name: N B TWEEN #025 AD
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/22/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PASTURE DIG S S WALL (H202012-05)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/24/2012	ND	416	104	400	0.00	

Sample ID: PASTURE DIG S E WALL (H202012-06)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/24/2012	ND	416	104	400	0.00	

Sample ID: PASTURE DIG S W WALL (H202012-07)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2012	ND	416	104	400	0.00	

Sample ID: PASTURE DIG S 5 PT COMP (H202012-08)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/24/2012	ND	416	104	400	0.00	

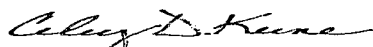
Sample ID: PASTURE DIG N 5 PT COMP (H202012-09)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/24/2012	ND	416	104	400	0.00	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

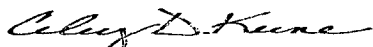
Notes and Definitions

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By:		Date:		Received By:		Phone Result:		Yes		No		Add'l Phone #:	
KARANTA LEWIS		8-22-12		Jodi Benson		Fax Result:		Yes		No		Add'l Fax #:	
Time:		4:33		Time:		REMARKS:							
Relinquished By:		Date:		Received By:		email results klewiserice-ecs.com natalie.gladden@apachecorp.com Zconder@rice-ecs.com; Bbaker@rice-ecs.com; hconder@rice-ecs.com; Lweinheimer@rice-ecs.com							
Time:		Time:		Time:									
Delivered By: (Circle One)				Sample Condition		CHECKED BY:							
Sampler - UPS - Bus - Other:				Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		(Initials) JWB							

#26

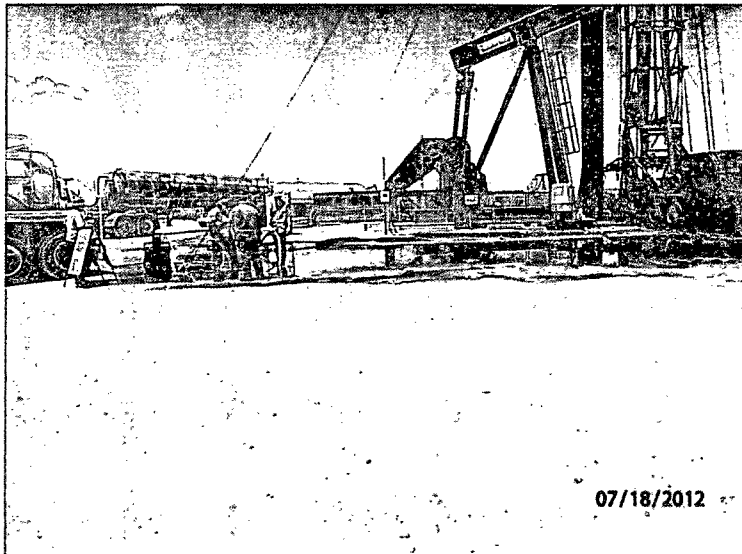
Appendix D

Photo Documentation

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

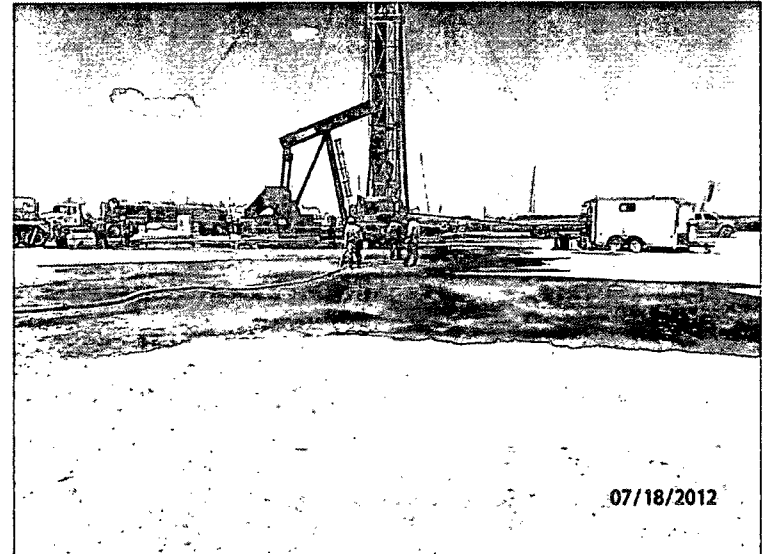
Apache NB Tween State #025 AD

Unit Letter C, Section 25, T17S, R28E



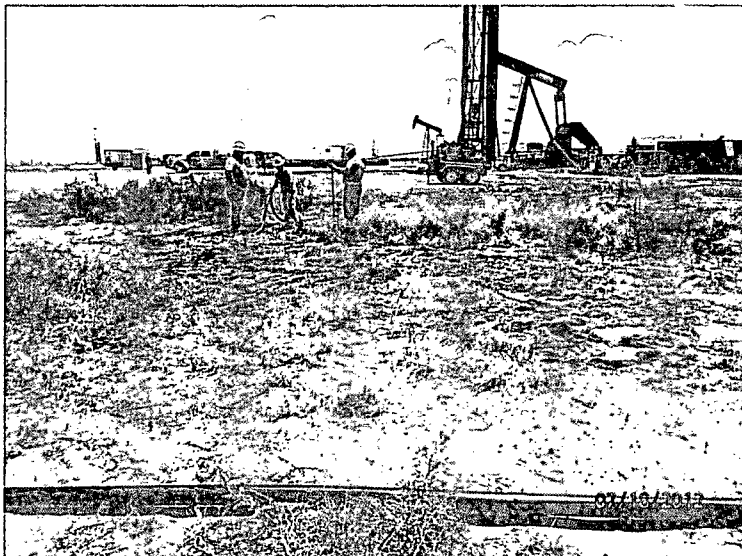
Initial release area, facing west

7/18/12



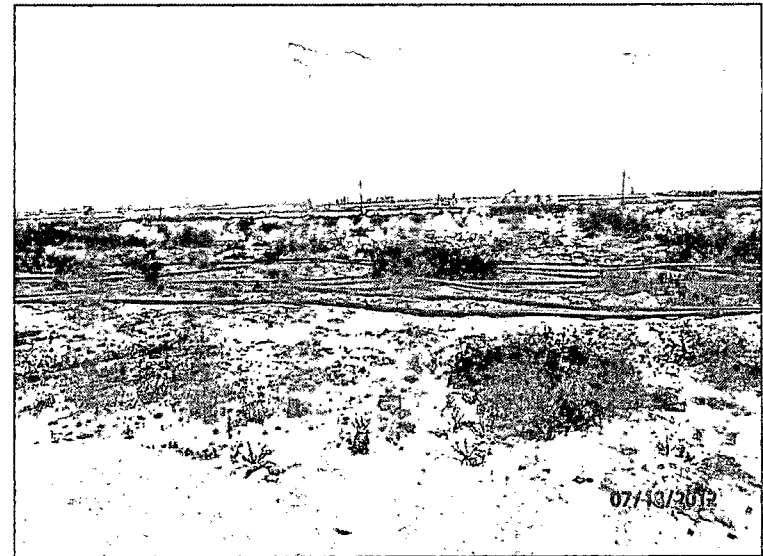
Initial release area, facing west

7/18/12



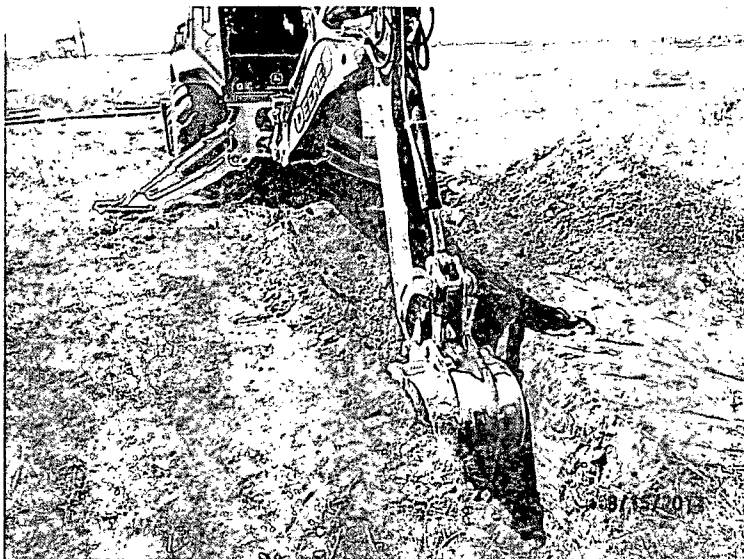
Initial release area, facing east

7/18/12



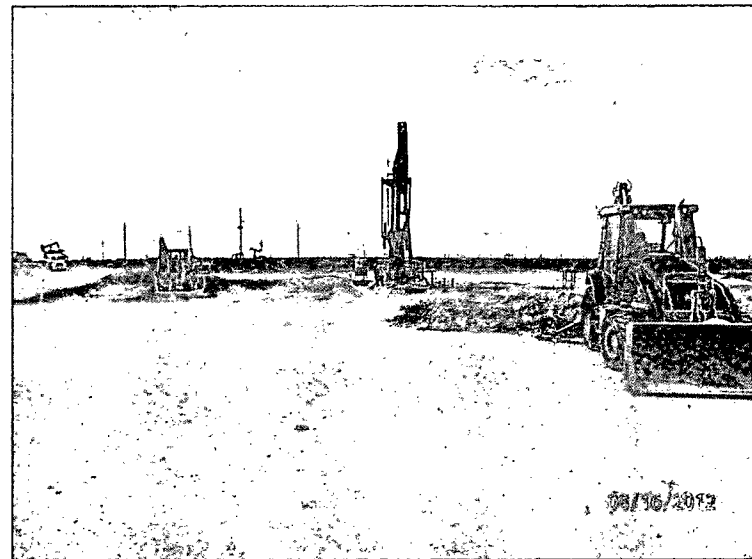
Initial overspray area, facing north

7/18/12



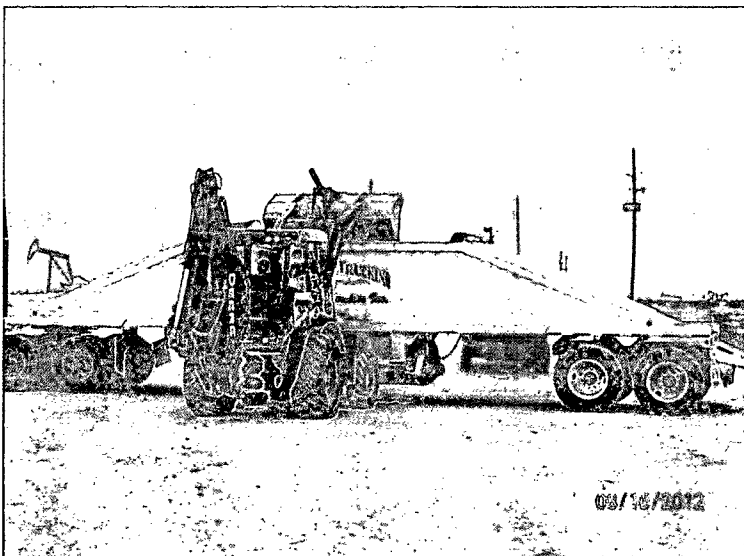
Digging vertical, facing west

8/15/12



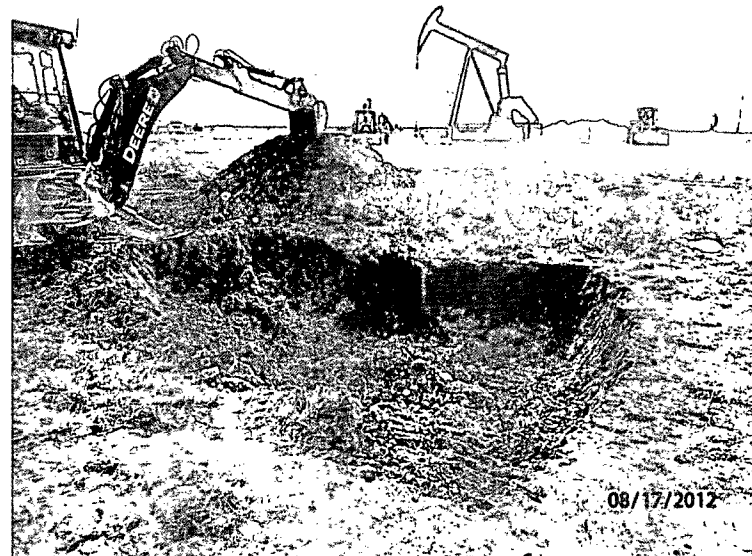
Scraping stained area on pad, facing south

8/16/12



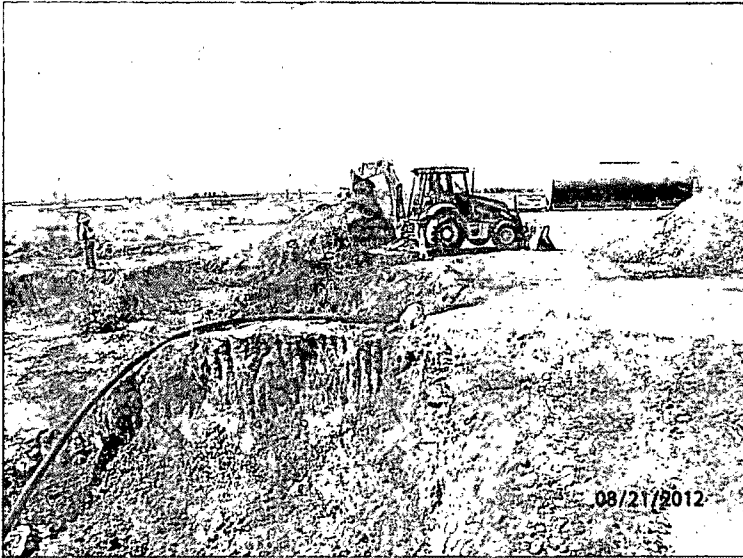
Exporting soil, facing south

8/16/12



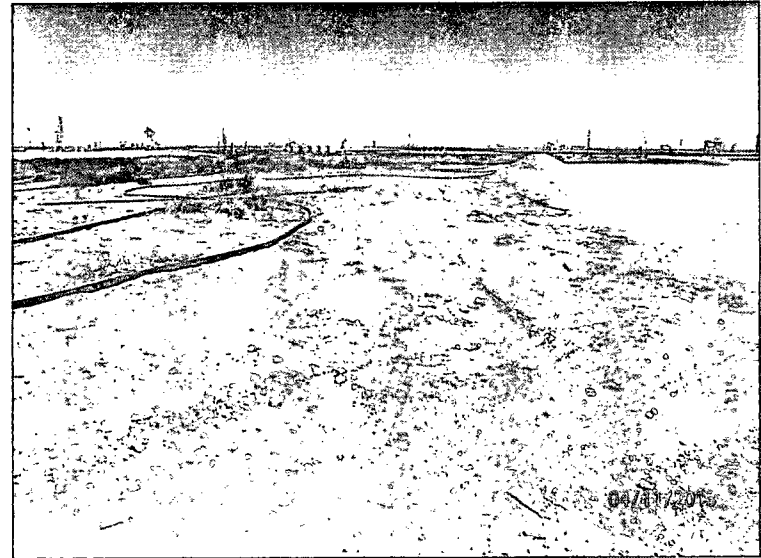
Excavating in pasture, facing east

8/17/12



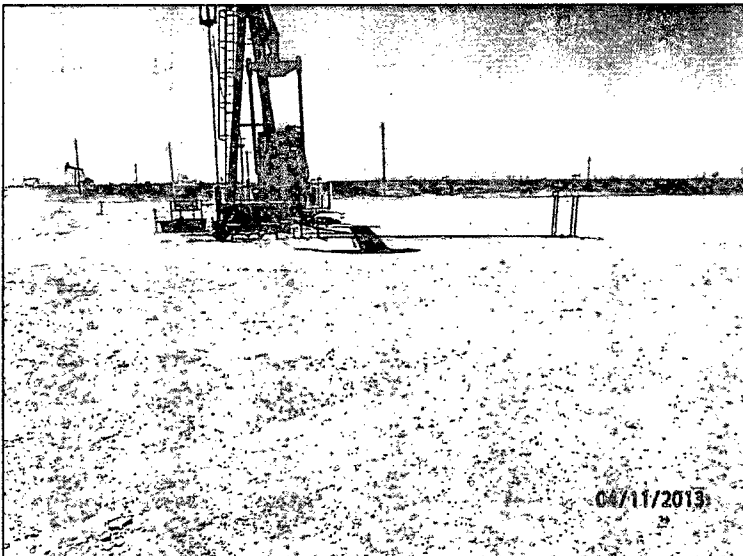
Excavating in pasture, facing north

8/21/12



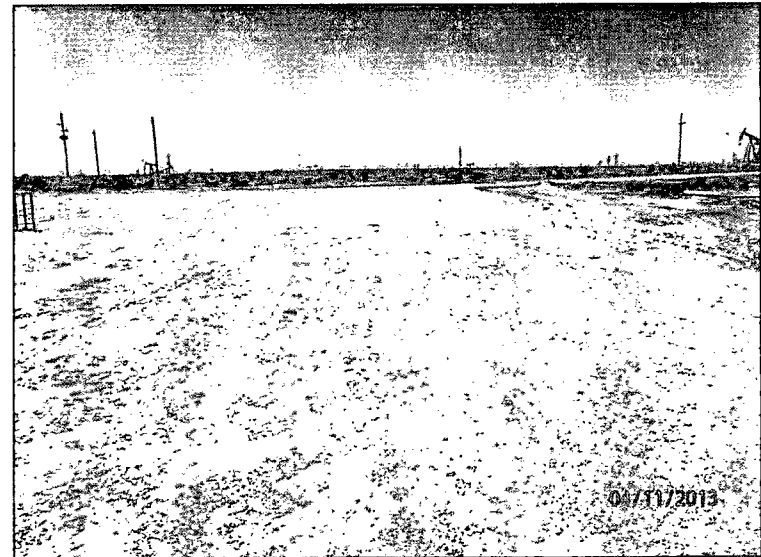
Site completed in pasture, facing north

4/11/13



Site completed on pad, facing south

4/11/13



Final backfilled site, facing south

4/11/13

Appendix E

Final 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 Corporation	Contact Bruce Baker	
Address PO Box 1849, Eunice, NM 88231	Telephone No. (575) 394-1503	
Facility Name NB Tween #25	Facility Type Production Well	
Surface Owner Unknown	Mineral Owner State	Lease No. 30-015-39075

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	25	17S	28E	990'	FNL	2120'	FWL	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Oil and Produced Water	Volume of Release 80 barrels	Volume Recovered 60 barrels
Source of Release Flowback	Date and Hour of Occurrence 7/18/12	Date and Hour of Discovery 7/18/12
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Natalie Gladden	Date and Hour 7/19/12	
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.*		RECEIVED SEP 25 2013 NMOCD ARTESIA
Describe Cause of Problem and Remedial Action Taken.* Well flowed back during a work-over procedure to pull stuck tubing.		

Describe Area Affected and Cleanup Action Taken.* On March 26th, 2012, RECS personnel initiated work at the NB Tween #25. A liner had been installed prior to the installation of the wellhead to inhibit the downward migration of constituents during the drilling and work-over of the wellhead. Soil samples were collected from the site at ground surface and field tested for chlorides. The samples were then submitted to a commercial laboratory for chloride, BTEX and TPH (GRO/DRO) analyses. Laboratory readings returned with high chloride results across the release area with appreciable BTEX and TPH readings near the wellhead. The affected areas from the release were scraped down one foot until the walls and bottoms of the scraped areas field tested below 250 mg/kg for chlorides. Representative grab samples were collected from the excavation walls and composite samples from the bottoms of the excavations. These samples were submitted to a commercial laboratory for chloride analyses. All samples returned results below 250 mg/kg except for the south wall of the east scrape which returned a result of 256 mg/kg. All excavated soil was removed to a NMOCD approved disposal facility. The site was backfilled with clean, imported soil and contoured to the surrounding location.

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>		OIL CONSERVATION DIVISION	
Printed Name: Bruce Baker		Approved by District Supervisor:	
Title: <i>environmental Tech</i>	Approval Date:	Expiration Date:	
E-mail Address: <i>larry.baker@apachecorp.com</i>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <i>8-30-13</i>	Phone: (575) 394-1503		

* Attach Additional Sheets If Necessary