

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 CONS. DIV DIST. 3

Form C-141
Revised August 8, 2011

DEC 31 2014

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Release Notification and Corrective Action

Name of Company Roddy Production Company	Contact: Jeremy Divine	
Address: P O Box 2221, Farmington NM 87499	Telephone No. 432 557 6778	
Facility Name: Chacon Jicarilla Apache D #009	Facility Type: Oil Well	
Surface Owner: Jicarilla Apache Nation	Mineral Owner: Jicarilla Apache Nation	API No. 30-043-20430

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	23	23N	3W	790'	South	1850'	East	Sandoval

Latitude: 36 deg. 12' 15.29" Longitude: 107 deg. 07' 23.78"

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 158 bbls	Volume Recovered: 159.27 bbls
Source of Release: 400 bbl oil tank	Date and Hour of Occurrence: 10-16-14 late evening	Date and Hour of Discovery: 12:00 pm 11-17-14
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jason Sandoval w/ the Jicarilla O&G found the spill, spoke with Mr. Sandoval at 12:40 pm, notified the NMOCD at 2:55 pm	
By Whom? Jeremy Divine	Date and Hour: 10-17-14, 2:55 pm.	
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.*

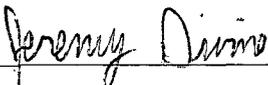
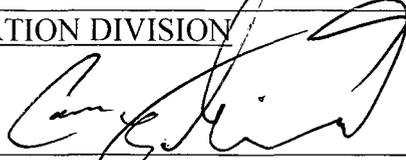
Describe Cause of Problem and Remedial Action Taken.*

On Thursday October 16 2014, lease operator drained water out of oil tank. When finished he mistakenly opened the valve all the way instead of closing and sealed the valve, draining 195.39 bbls out of oil tank, filling up fiberglass water tank w/ 37. 12 bbls and spilling 158.27 bbls onto the ground. Remediation consisted of digging out contaminated soil until field analysis and lab results confirmed TPH, Benzene and BTEX levels were at or below regulatory standards. Once lab results confirmed contamination was removed, Jicarilla O&G and the NMOCD approved backfilling. The site was backfilled with Jicarilla O&G approved soil from Jicarilla Apache property. Reseeding the area will be conducted in the spring of 2015 with Jicarilla Apache Nation approved seed. Attached are photos, lab results, e mails and field notes from Envirotech.

Describe Area Affected and Cleanup Action Taken.*

The area affected was the below grade tank and cellar it was placed in, approximately a 26' x 26' x 3' deep fenced area. Clean action taken: All of the oil was contained in the firewall on location. On 10-16-14 a vacuum truck picked up 148 bbls with a loss of 47 bbls. On 10-20-14 a steam cleaner was used to clean the soil and the inside/outside of the fiberglass tank. Another 11.27 bbls oil was recovered, total recovered 159.27 bbls. The fiber glass pit was removed and contaminated soil was removed. Once lab results confirmed area was at or below regulatory standards, the area that was affected was 46' x 36' x 16' deep and 820 yards of contaminated soil was hauled to Envirotech land farm south of Bloomfield. Attached are photos and invoices.

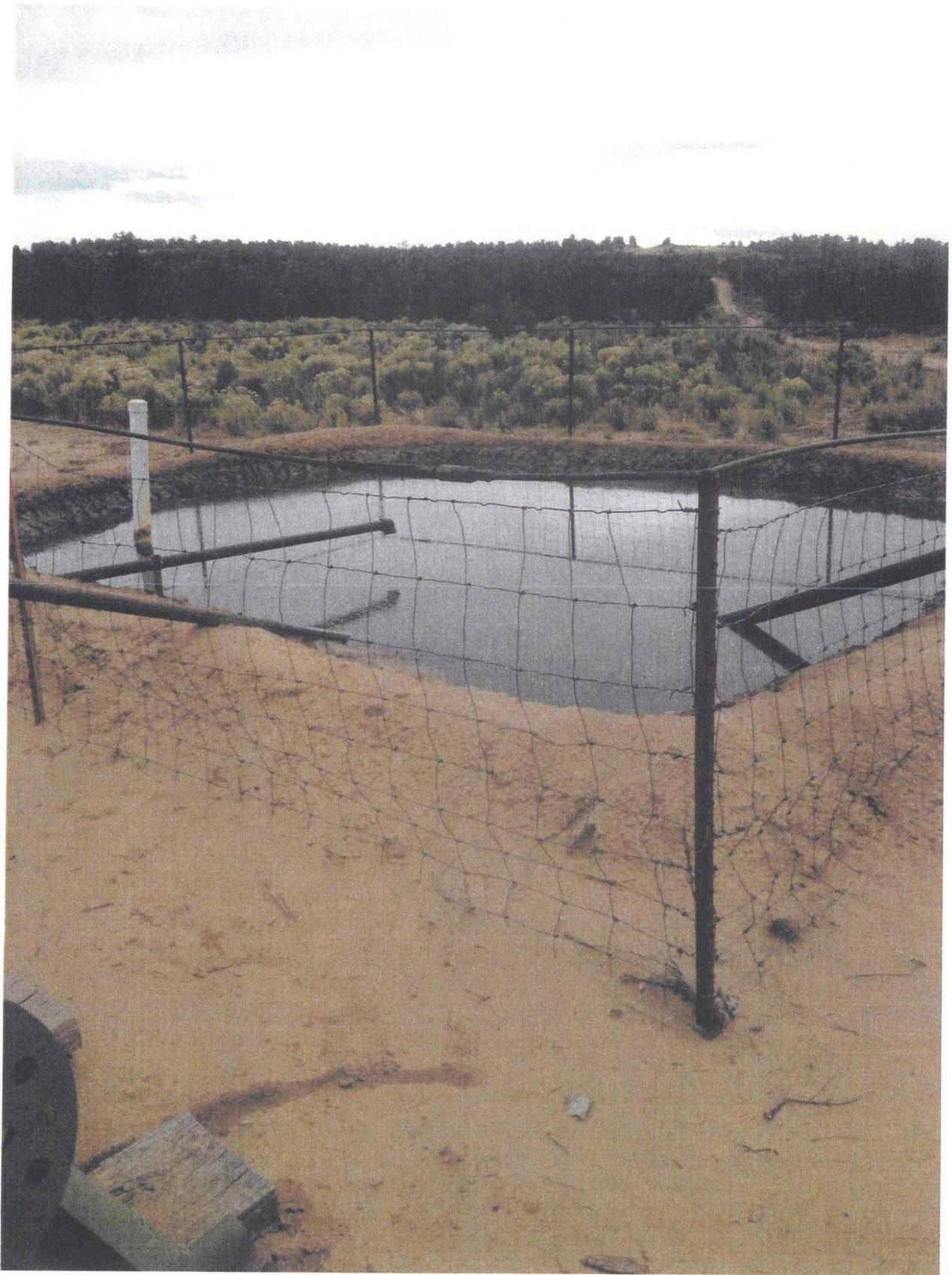
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: 	OIL CONSERVATION DIVISION	
Printed Name: Jeremy Divine	Approved by Environmental Specialist: 	
Title: Foreman	Approval Date: 2/5/15	Expiration Date:
E-mail Address: jdivine@crowquest.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12-17-14	Phone: 432-557-6778	

* Attach Additional Sheets If Necessary

#NCS 1503656045

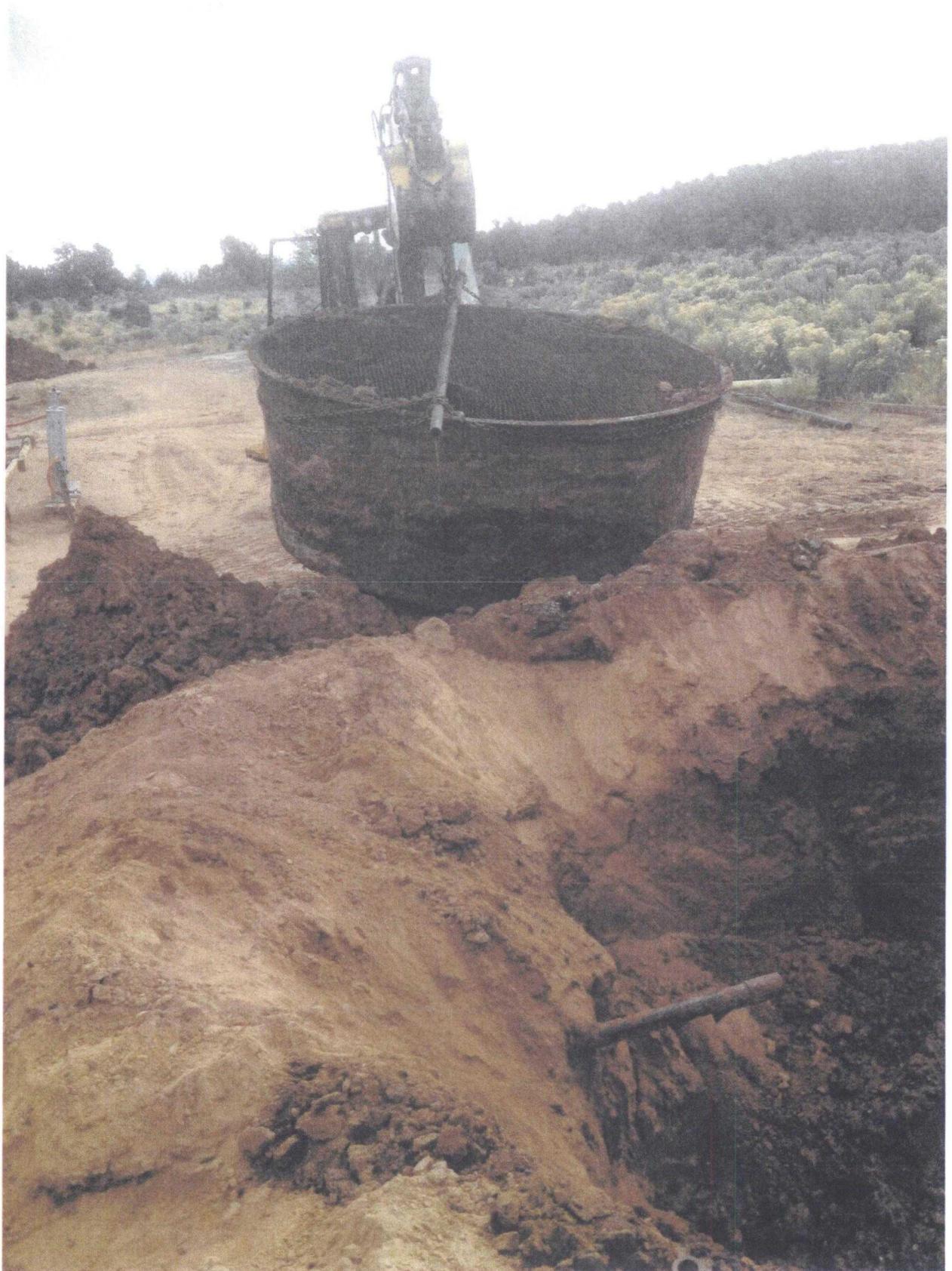
(42)









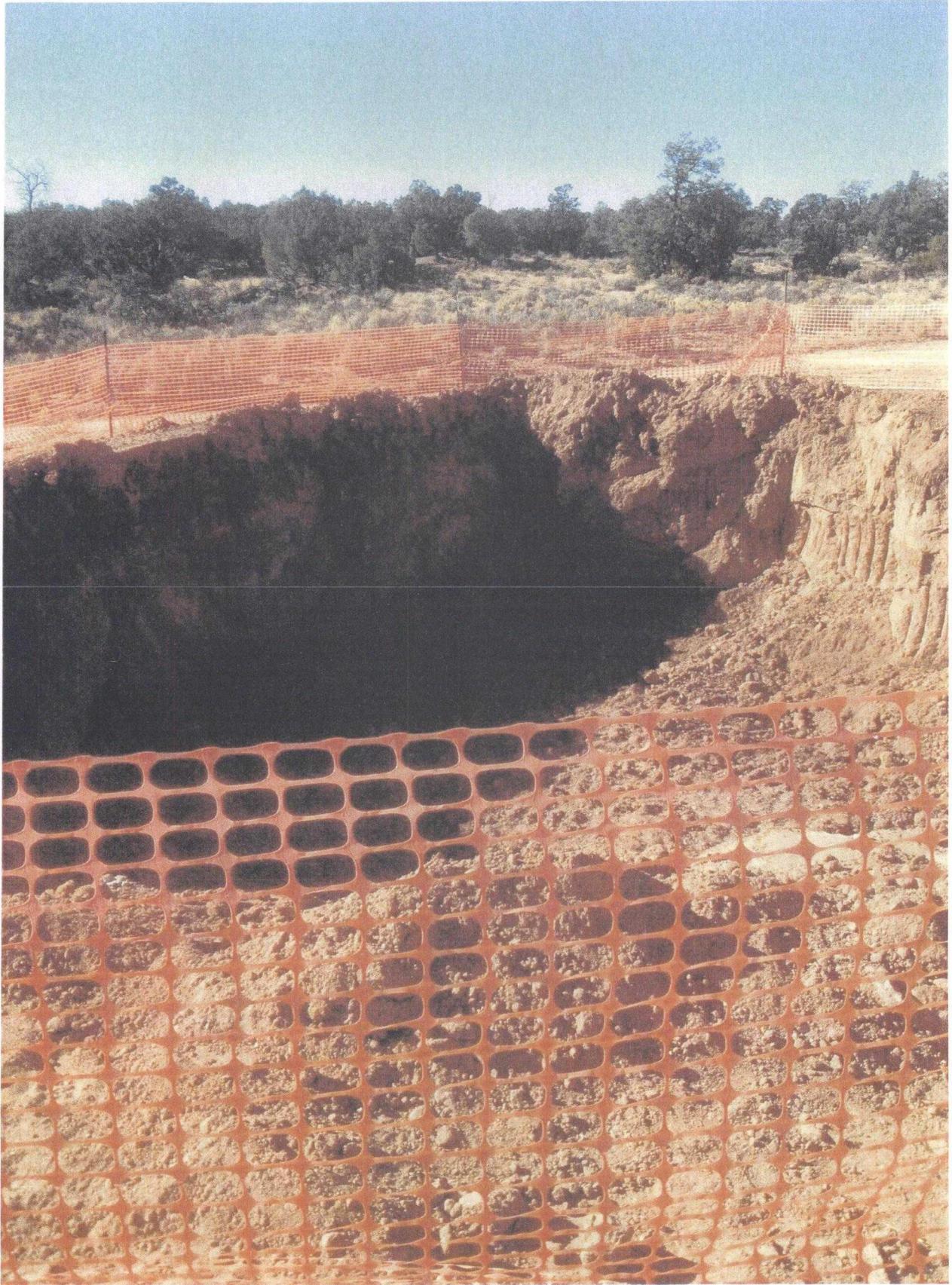


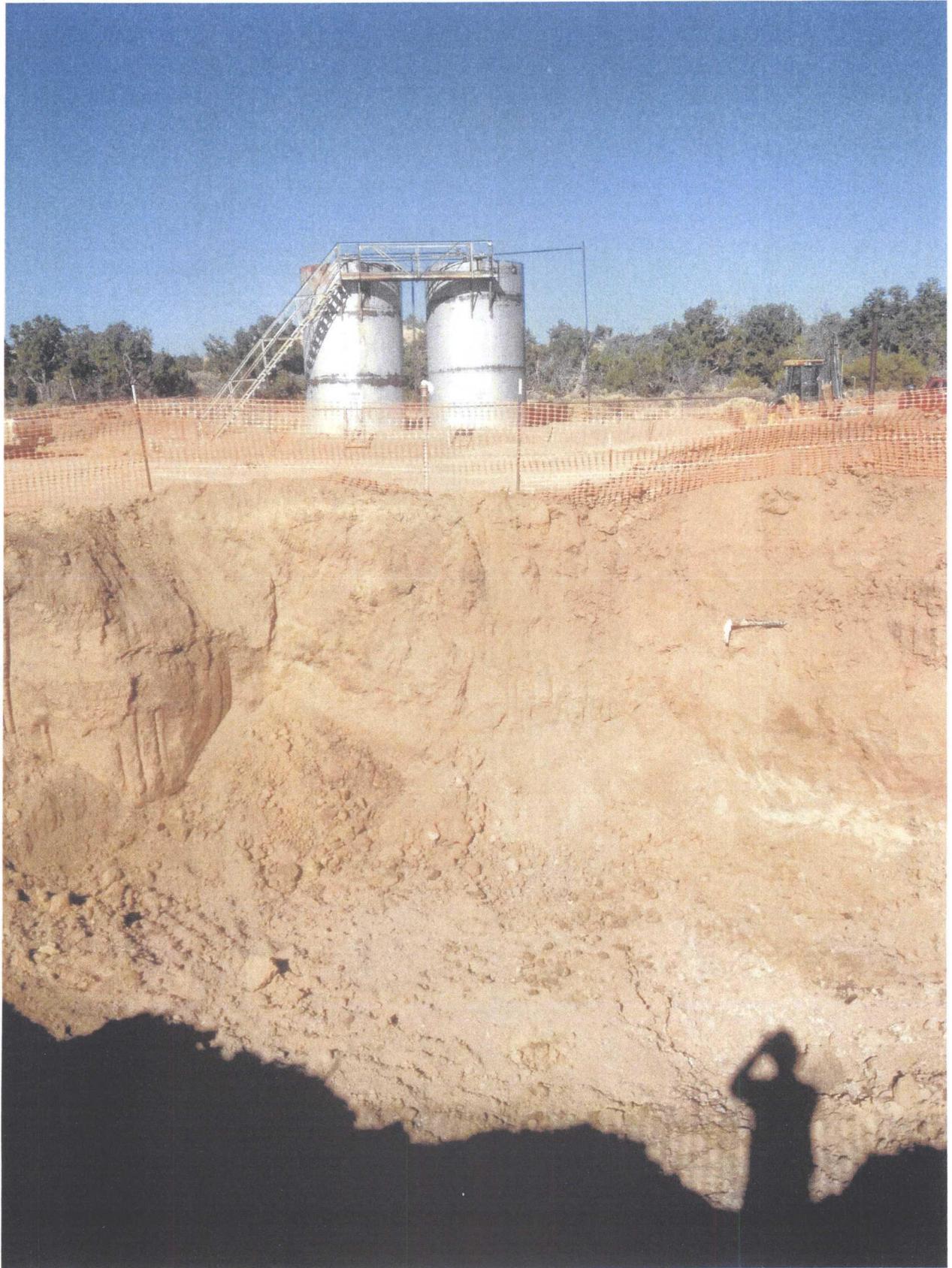


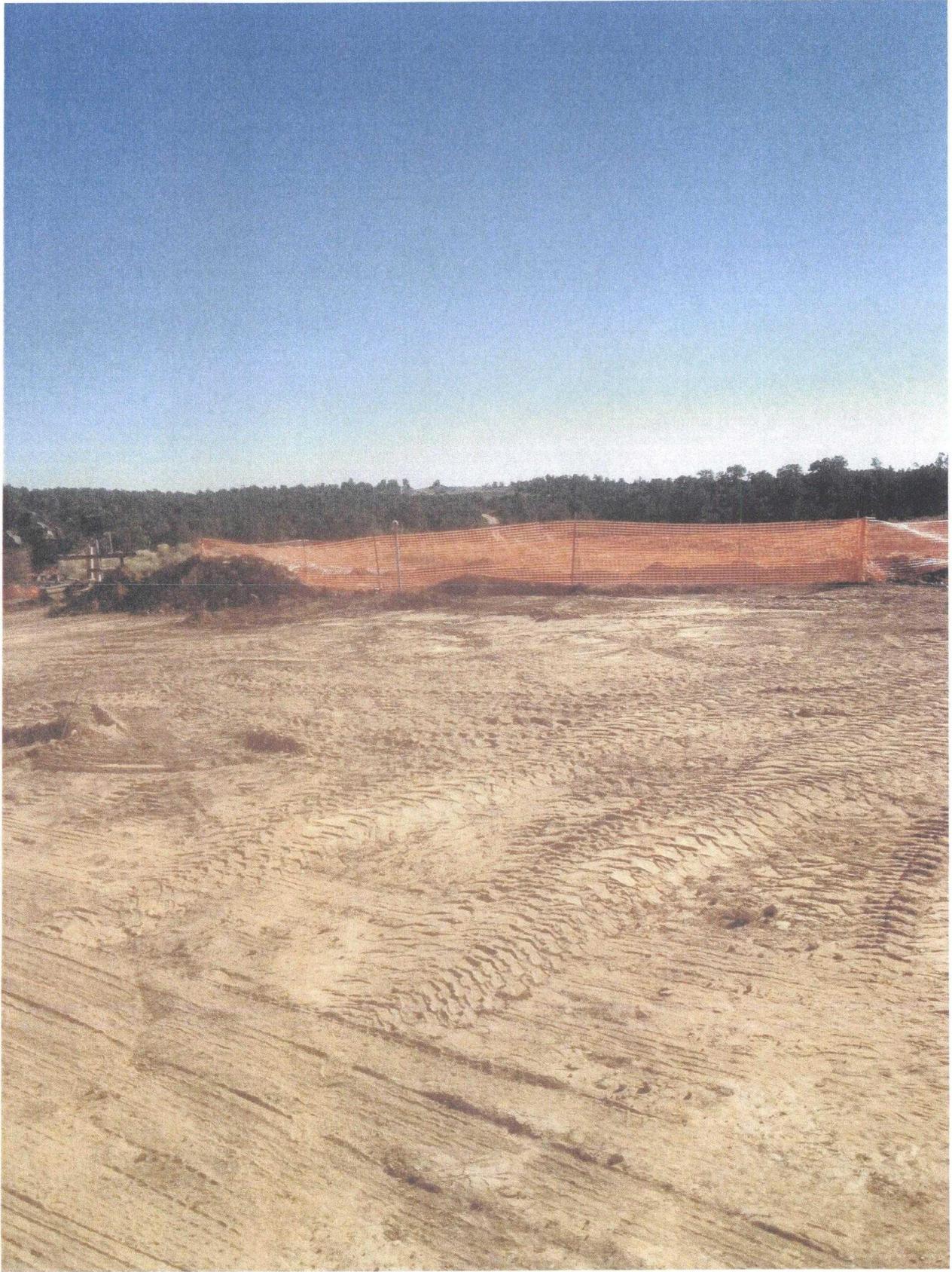






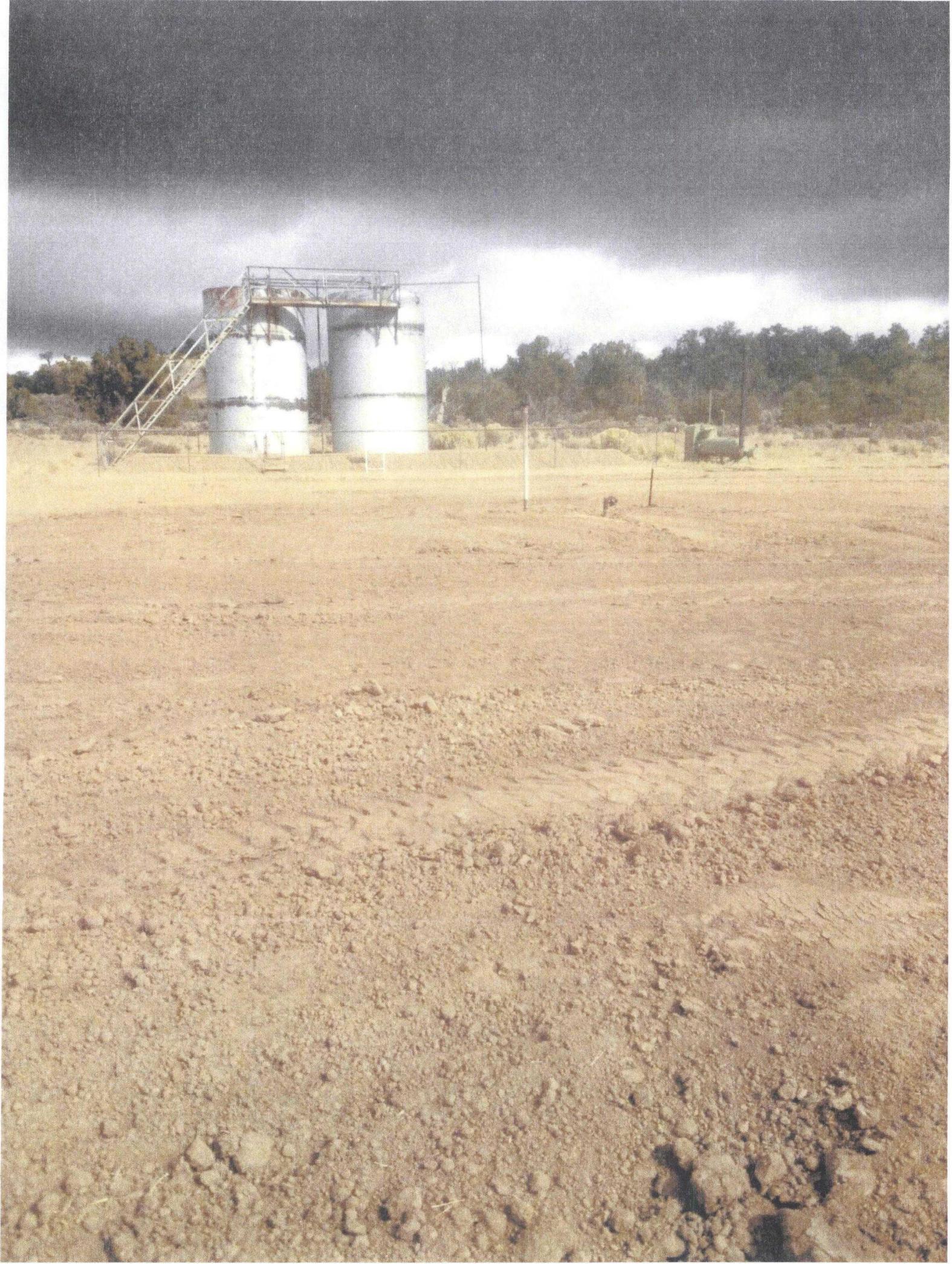












Jeremy Divine

From: Trey Tixier
Sent: Tuesday, November 18, 2014 10:04 AM
To: Jeremy Divine
Subject: Fw: Clean up and Closure of Chacon Jicarilla D-9

From: Hobson Sandoval <hsandoval_99@yahoo.com>
Sent: Tuesday, November 18, 2014 10:01 AM
To: Trey Tixier; Cordell Tecube
Subject: Clean up and Closure of Chacon Jicarilla D-9

Earlier I had given you verbal approval to back fill this site because the lab values at the base were within OCD closure standards. I also approved you getting back fill soil from the large pond south west of the site. And I saw the successful clean up of this site.

If you have any questions, I can be contacted at my email or contact me at 505-486-4966

Jeremy Divine

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Wednesday, November 12, 2014 8:05 AM
To: Jeremy Divine
Subject: RE: Chacon Jicarilla Apache D #9 Final Results.

Jeremy,

After Reviewing the Data provided, NMOCD is approving your request to close the excavation at the Chacon Jicarilla Apache D #9.

Please include a copy of this email in your Final C-141.

Thank you,

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Jeremy Divine [mailto:jdivine@crowquest.com]
Sent: Tuesday, November 11, 2014 10:30 AM
To: Smith, Cory, EMNRD
Subject: Fwd: Chacon Jicarilla Apache D #9 Final Results.

Corey,

Here is the final soil sample results on the Chacon Jicarilla Apache D#9. As we discussed last week The Jicarilla EPO does not want us to dig any further and wants us to backfill ASAP. Let me know if you have any question and if we are approved to backfill. Thanks

Jeremy Divine

Begin forwarded message:

From: Sheena Leon <sleon@envirotech-inc.com>
Date: November 11, 2014 at 9:43:44 AM MST
To: Jeremy Divine <jdivine@crowquest.com>, "ttixier@crowquest.com" <ttixier@crowquest.com>

Jeremy & Trey,

Here are the results for the samples collected from the Chacon Jicarilla Apache D #9. All of the samples returned results below regulatory standards, except for the sample from the South Bottom of the excavation, which came in at 203 mg/kg (ppm). This was the section that the Jicarilla EPA wanted to avoid any further excavation on, due to depth of excavation and already hitting rock. Please let me know if you have any questions.

Thank you ☺

Sheena Leon

Environmental Technician

Envirotech Inc.

5796 U.S. Hwy 64

Farmington, NM 87401

sleon@envirotech-inc.com

Office: (505) 632-0615 ext. 153

Cell: (505) 320-1428



Analytical Report

Report Summary

Client: Crown Quest Operating

Chain Of Custody Number: 17479

Samples Received: 10/31/2014 4:15:00PM

Job Number: 07151-0016

Work Order: P411001

Project Name/Location: Chacon Jicarilla Apache
D #9

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 11/21/14

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 11/10/14 10:38 am

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.





Crown Quest Operating PO 2221 Farmington NM, 87499	Project Name: Chacon Jicarilla Apache D #9 Project Number: 07151-0016 Project Manager: Sheena Leon	Reported: 21-Nov-14 11:23
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Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
North Bottom	P411001-01A	Soil	10/31/14	10/31/14	Glass Jar, 4 oz.
South Bottom	P411001-02A	Soil	10/31/14	10/31/14	Glass Jar, 4 oz.
South Walls	P411001-03A	Soil	10/31/14	10/31/14	Glass Jar, 4 oz.

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Crown Quest Operating PO 2221 Farmington NM, 87499	Project Name: Chacon Jicarilla Apache D #9 Project Number: 07151-0016 Project Manager: Sheena Leon	Reported: 21-Nov-14 11:23
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**North Bottom
P411001-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.2 %		50-150	1445028	11/07/14	11/07/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8015D	
Diesel Range Organics (C10-C28)	93.2	29.9	mg/kg	1	1445029	11/07/14	11/07/14	EPA 8015D	
<i>Surrogate: o-Terphenyl</i>		115 %		50-200	1445029	11/07/14	11/07/14	EPA 8015D	
<i>Surrogate: 4-Bromochlorobenzene-FID</i>		87.2 %		50-150	1445028	11/07/14	11/07/14	EPA 8015D	
Cation/Anion Analysis									
Chloride	469	9.86	mg/kg	1	1447020	11/19/14	11/19/14	EPA 300.0	

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Crown Quest Operating PO 2221 Farmington NM, 87499	Project Name: Chacon Jicarilla Apache D #9 Project Number: 07151-0016 Project Manager: Sheena Leon	Reported: 21-Nov-14 11:23
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**South Bottom
P411001-02 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.2 %		50-150	1445028	11/07/14	11/07/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8015D	
Diesel Range Organics (C10-C28)	203	29.9	mg/kg	1	1445029	11/07/14	11/07/14	EPA 8015D	
<i>Surrogate: o-Terphenyl</i>		113 %		50-200	1445029	11/07/14	11/07/14	EPA 8015D	
<i>Surrogate: 4-Bromochlorobenzene-FID</i>		87.5 %		50-150	1445028	11/07/14	11/07/14	EPA 8015D	
Cation/Anion Analysis									
Chloride	461	9.94	mg/kg	1	1447020	11/19/14	11/19/14	EPA 300.0	

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Crown Quest Operating PO 2221 Farmington NM, 87499	Project Name: Chacon Jicarilla Apache D #9 Project Number: 07151-0016 Project Manager: Sheena Leon	Reported: 21-Nov-14 11:23
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**South Walls
P411001-03 (Solid)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Limit	Units							
<u>Volatile Organics by EPA 8021</u>										
Benzene	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B		
Toluene	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B		
Ethylbenzene	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B		
p,m-Xylene	ND	0.20	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B		
o-Xylene	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B		
Total Xylenes	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B		
Total BTEX	ND	0.10	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8021B		
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.2 %		50-150	1445028	11/07/14	11/07/14	EPA 8021B		
<u>Nonhalogenated Organics by 8015</u>										
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1	1445028	11/07/14	11/07/14	EPA 8015D		
Diesel Range Organics (C10-C28)	83.2	29.9	mg/kg	1	1445029	11/07/14	11/07/14	EPA 8015D		
<i>Surrogate: o-Terphenyl</i>		112 %		50-200	1445029	11/07/14	11/07/14	EPA 8015D		
<i>Surrogate: 4-Bromochlorobenzene-FID</i>		88.9 %		50-150	1445028	11/07/14	11/07/14	EPA 8015D		
<u>Cation/Anion Analysis</u>										
Chloride	1010	9.92	mg/kg	1	1447020	11/19/14	11/19/14	EPA 300.0		

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Crown Quest Operating PO 2221 Farmington NM, 87499	Project Name: Chacon Jicarilla Apache D #9 Project Number: 07151-0016 Project Manager: Sheena Leon	Reported: 21-Nov-14 11:23
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Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1445028 - Purge and Trap EPA 5030A

Blank (1445028-BLK1)				Prepared: 06-Nov-14 Analyzed: 07-Nov-14						
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	0.371		"	0.400		92.8	50-150			

LCS (1445028-BS1)				Prepared: 06-Nov-14 Analyzed: 07-Nov-14						
Benzene	20.7	0.10	mg/kg	20.0	ND	104	75-125			
Toluene	20.3	0.10	"	20.0	ND	102	70-125			
Ethylbenzene	20.3	0.10	"	20.0	ND	102	75-125			
p,m-Xylene	41.8	0.20	"	40.0	ND	105	80-125			
o-Xylene	20.3	0.10	"	20.0	ND	102	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.380		"	0.400		95.0	50-150			

Matrix Spike (1445028-MS1)				Source: P411019-01		Prepared: 06-Nov-14 Analyzed: 07-Nov-14				
Benzene	21.2	0.10	mg/kg	20.0	ND	106	75-125			
Toluene	20.6	0.10	"	20.0	ND	103	70-125			
Ethylbenzene	20.9	0.10	"	20.0	ND	105	75-125			
p,m-Xylene	42.6	0.20	"	39.9	ND	107	80-125			
o-Xylene	21.1	0.10	"	20.0	ND	106	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.387		"	0.399		97.0	50-150			

Matrix Spike Dup (1445028-MSD1)				Source: P411019-01		Prepared: 06-Nov-14 Analyzed: 07-Nov-14				
Benzene	18.4	0.10	mg/kg	20.0	ND	92.1	75-125	14.2	15	
Toluene	18.0	0.10	"	20.0	ND	90.0	70-125	13.6	15	
Ethylbenzene	17.4	0.10	"	20.0	ND	87.1	75-125	18.4	15	D1
p,m-Xylene	39.8	0.20	"	40.0	ND	99.6	80-125	6.70	15	D1
o-Xylene	18.3	0.10	"	20.0	ND	91.3	75-125	14.6	15	
Surrogate: 4-Bromochlorobenzene-PID	0.404		"	0.400		101	50-150			

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Crown Quest Operating PO 2221 Farmington NM, 87499	Project Name: Chacon Jicarilla Apache D #9 Project Number: 07151-0016 Project Manager: Sheena Leon	Reported: 21-Nov-14 11:23
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Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1445028 - Purge and Trap EPA 5030A

Blank (1445028-BLK1)		Prepared: 06-Nov-14 Analyzed: 07-Nov-14								
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.363		"	0.400		90.9	50-150			
LCS (1445028-BS1)		Prepared: 06-Nov-14 Analyzed: 07-Nov-14								
Gasoline Range Organics (C6-C10)	273	9.99	mg/kg	292		93.5	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.371		"	0.400		92.9	50-150			
Matrix Spike (1445028-MS1)		Source: P411019-01		Prepared: 06-Nov-14 Analyzed: 07-Nov-14						
Gasoline Range Organics (C6-C10)	285	9.98	mg/kg	291	13.5	93.2	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.374		"	0.399		93.8	50-150			
Matrix Spike Dup (1445028-MSD1)		Source: P411019-01		Prepared: 06-Nov-14 Analyzed: 07-Nov-14						
Gasoline Range Organics (C6-C10)	418	9.99	mg/kg	292	13.5	139	75-125	37.8	15	D1
Surrogate: 4-Bromochlorobenzene-FID	0.351		"	0.400		87.7	50-150			

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Crown Quest Operating PO 2221 Farmington NM, 87499	Project Name: Chacon Jicarilla Apache D #9 Project Number: 07151-0016 Project Manager: Sheena Leon	Reported: 21-Nov-14 11:23
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Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1445029 - DRO Extraction EPA 3550M										
Blank (1445029-BLK1)				Prepared: 06-Nov-14 Analyzed: 07-Nov-14						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: <i>o</i> -Terphenyl	42.9		"	40.0		107	50-200			
LCS (1445029-BS1)				Prepared: 06-Nov-14 Analyzed: 07-Nov-14						
Diesel Range Organics (C10-C28)	517	25.0	mg/kg	500		103	38-132			
Surrogate: <i>o</i> -Terphenyl	44.4		"	40.0		111	50-200			
Matrix Spike (1445029-MS1)				Source: P411019-01		Prepared: 06-Nov-14 Analyzed: 07-Nov-14				
Diesel Range Organics (C10-C28)	615	34.9	mg/kg	498	ND	123	38-132			
Surrogate: <i>o</i> -Terphenyl	50.9		"	39.9		128	50-200			
Matrix Spike Dup (1445029-MSD1)				Source: P411019-01		Prepared: 06-Nov-14 Analyzed: 07-Nov-14				
Diesel Range Organics (C10-C28)	834	34.9	mg/kg	499	ND	167	38-132	30.2	20	D1
Surrogate: <i>o</i> -Terphenyl	67.9		"	39.9		170	50-200			

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Crown Quest Operating PO 2221 Farmington NM, 87499	Project Name: Chacon Jicarilla Apache D #9 Project Number: 07151-0016 Project Manager: Sheena Leon	Reported: 21-Nov-14 11:23
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Cation/Anion Analysis - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1447020 - Anion Extraction EPA 300.0										
Blank (1447020-BLK1)				Prepared & Analyzed: 19-Nov-14						
Chloride	ND	9.88	mg/kg							
LCS (1447020-BS1)				Prepared & Analyzed: 19-Nov-14						
Chloride	469	9.87	mg/kg	493		95.1	90-110			
Matrix Spike (1447020-MS1)				Source: P411001-01		Prepared & Analyzed: 19-Nov-14				
Chloride	932	9.89	mg/kg	495	469	93.4	80-120			
Matrix Spike Dup (1447020-MSD1)				Source: P411001-01		Prepared & Analyzed: 19-Nov-14				
Chloride	963	9.81	mg/kg	490	469	101	80-120	3.32	20	

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Crown Quest Operating PO 2221 Farmington NM, 87499	Project Name: Chacon Jicarilla Apache D #9 Project Number: 07151-0016 Project Manager: Sheena Leon	Reported: 21-Nov-14 11:23
--	--	------------------------------

Notes and Definitions

- D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds control limits.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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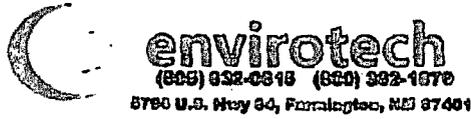


CHAIN OF CUSTODY RECORD

17479

Client: Crown Quest			Project Name / Location: Chacoan, Juarez, Apache D#9			ANALYSIS / PARAMETERS															
Email results to: S. Leon			Sampler Name: S. Leon			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact		
Client Phone No.:			Client No.: 07151-0010																		
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No. / Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
					HNO ₃	HCl	Other														
North Bottom	10/21/14	13:37	P411001-01	14oz glass jar			X	X	X								X			X	X
South Bottom	10/21/14	13:34	P411001-02	↓			X	X	X								X			X	X
South walls	10/21/14	13:39	P411001-03	↓			X	X	X								X			X	X
Relinquished by: (Signature) <i>Sheena</i>				Date	Time	Received by: (Signature) <i>[Signature]</i>				Date	Time										
				10/21/14	10:15					10/21/14	10:15										
Relinquished by: (Signature)						Received by: (Signature)															
Sample Matrix																					
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																					
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.								13.1, 9.8, 8.9				(10.6)									

Client: *CrownQuest*



Project No: *07151-0016*
COC No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1

LOCATION: NAME: *Wagon Sprinkler Machine* WELL #: *D#9*
QUAD/UNIT: SEC: TWP: RNG: PM: CNTY: ST:
QTR/FOOTAGE: CONTRACTOR:

DATE STARTED: *10/31/14*
DATE FINISHED: *11/3/14*
ENVIRONMENTAL SPECIALIST: *S. Reed*

EXCAVATION APPROX: *46* FT. X *36* FT. X *10* FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: REMEDIATION METHOD:

LAND USE: LEASE: LAND OWNER:

CAUSE OF RELEASE: MATERIAL RELEASED:

SPILL LOCATED APPROXIMATELY: FT. FROM

DEPTH TO GROUNDWATER: NEAREST WATER SOURCE: NEAREST SURFACE WATER:

NMOC D RANKING SCORE: NMOC D TPH CLOSURE STD: *100* PPM

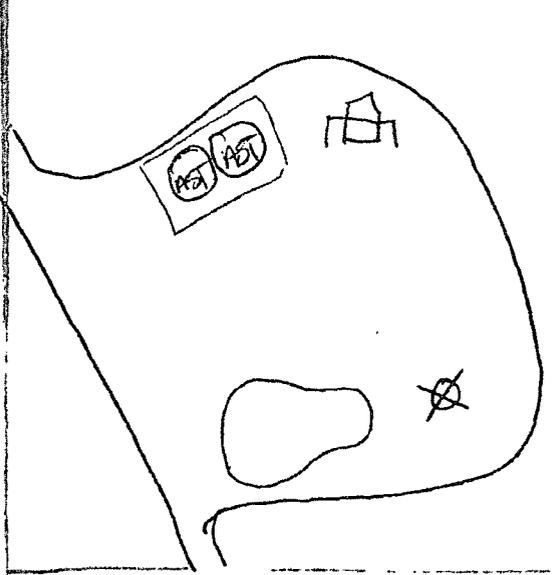
SOIL AND EXCAVATION DESCRIPTION:

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
<i>200ppm SLD</i>	<i>12:55</i>	<i>1</i>					<i>101</i>	
<i>North Bottom</i>	<i>13:05</i>	<i>1</i>		<i>50</i>	<i>20ml</i>	<i>X4</i>	<i>480</i>	<i>1920</i>
<i>South Bottom</i>	<i>13:15</i>	<i>2</i>					<i>98</i>	<i>392</i>
<i>South Walls</i>	<i>13:27</i>	<i>3</i>					<i>38</i>	<i>152</i>

SPILL PERIMETER

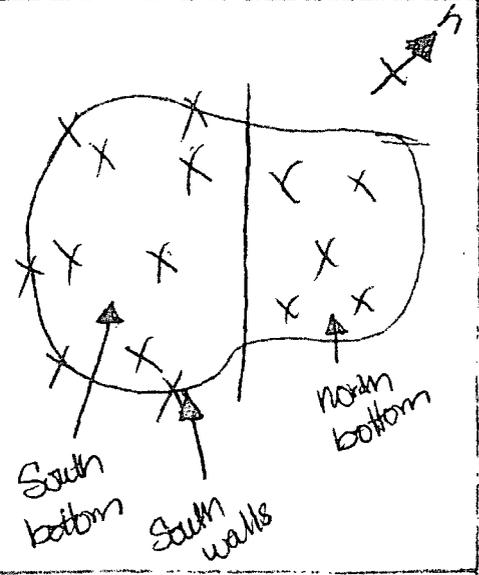
OVM RESULTS

SPILL PROFILE



SAMPLE ID	FIELD HEADSPACE (ppm)	PID
<i>1</i>	<i>0</i>	
<i>2</i>	<i>0.2</i>	
<i>3</i>	<i>0.2</i>	

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
<i>1</i>	<i>8015, 8021</i>	<i>13:31</i>
<i>2</i>		<i>13:34</i>
<i>3</i>		<i>13:39</i>



TRA

Trey Tixer

Client: **Crown Quest**  Project No: **0715-0016**
 (805) 632-0616 (800) 362-1879
 5780 U.S. Hwy 64, Farmington, NM 87401
 COC No:

FIELD REPORT: SPILL CLOSURE VERIFICATION PAGE NO: 1 OF 1
 DATE STARTED: 10/30/14
 DATE FINISHED: 10/30/14
 LOCATION: NAME: Chilton Jeanette Dodge D WELL #: 9
 QUAD/UNIT: SEC: 23 TWP: 23N RNG: 30PM CNTY: Sandoz ST: NM
 QTR/FOOTAGE: CONTRACTOR: ENVIRONMENTAL SPECIALIST: S. Lewin

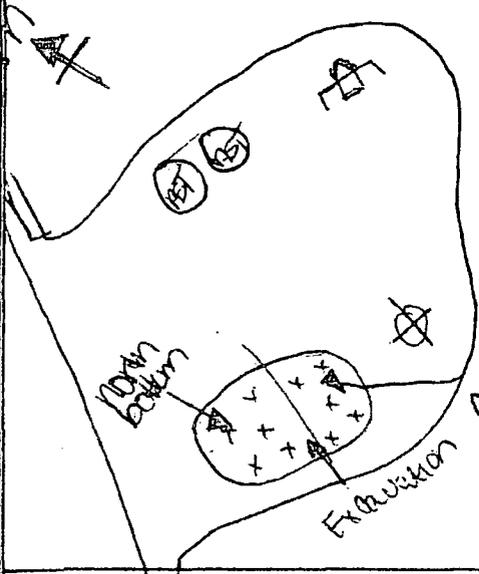
EXCAVATION APPROX: FT. X FT. X FT. DEEP CUBIC YARDAGE:
 DISPOSAL FACILITY: REMEDIATION METHOD:
 LAND USE: LEASE: LAND OWNER:
 CAUSE OF RELEASE: MATERIAL RELEASED:

SPILL LOCATED APPROXIMATELY: FT. FROM
 DEPTH TO GROUNDWATER: NEAREST WATER SOURCE: NEAREST SURFACE WATER:
 NMOCD RANKING SCORE: NMOCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

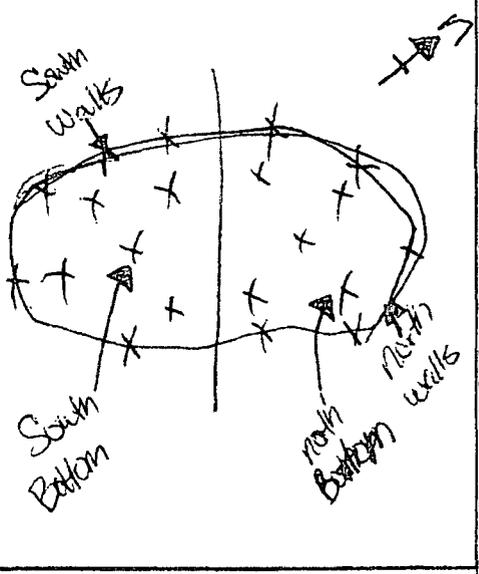
SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	ml FREON	DILUTION	READING	CALC. ppm
200 ppm Std	10:30						193	
South bottom	10:45	1		5g	20ml	x4	2696	10784
South walls	10:55	2					152	1002
North bottom	11:10	3					75	300
North walls	11:20	4					5	20

SPILL PERIMETER OVM RESULTS SPILL PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	12.2
2	10.2
3	2.5
4	0

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
4	805, 8021	11:24



TRAVEL NOTES: _____ CALLED OUT: _____ ONSITE: Trey Tixer



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Bill of Lading

MANIFEST # 49491

GENERATOR Roddy Production

POINT OF ORIGIN Charo Jr. Apache D-9

TRANSPORTER ETECH

DATE 10-28-14 JOB # 07151-0010

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	LF II-4	Conti-Soil	K-3	20	-		659	11:10	<i>Mick Hoyt</i>
2	LF II-4	Cont-Soil	K-3	20	-		659	15:10	<i>Mick Hoyt</i>
				<u>40</u>					

RESULTS		LANDFARM EMPLOYEE	<i>Roddy</i>	NOTES
410	CHLORIDE TEST 1			
	PAINT FILTER TEST 1	Certification of above receipt & placement		ENTERED NOV 13 2014

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact _____ Phone _____

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Bill of Lading

MANIFEST # 49506

GENERATOR RODDY PRODUCTION

POINT OF ORIGIN CHEROKEE APACHE D-9

TRANSPORTER E-tech

DATE 10-29-14 JOB # 07151-0011

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLs	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	LFI-4	cont Soil	J-5	20	—	—	663	10:00	Mark Hoyt
2	"	"	J-5	20	—	—	560	10:10	Mike Dean
3	"	"	J-5	20	—	—	663	12:55	Mark Hoyt
4	"	"	J-5	20	—	—	560	15:15	Mike Dean
5	"	"	J-5	20	—	—	663	16:15	Mark Hoyt
				100					
RESULTS		LANDFARM EMPLOYEE	 Certification of above receipt & placement			NOTES ENTERED NOV 12 2014			
289	CHLORIDE TEST								
	PAINT FILTER TEST	2							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact _____ Phone _____

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Bill of Lading

MANIFEST # 49526

GENERATOR Roddy PRODUCTION

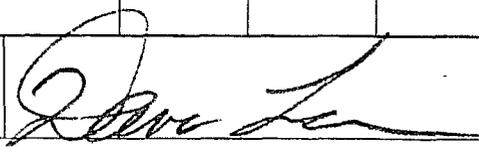
POINT OF ORIGIN Chacon S: C Apache D-9

TRANSPORTER E-tech

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 10-30-14 JOB # 07151-0016

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	TKT#	TRK#	TIME	DRIVER SIGNATURE
2	LFI-4	CONT SOIL	K-4	20	—	—	663	9:35	Mike Hest
2	"	"	"	20	—	—	560	10:15	Mike Dean
3	"	"	"	20	—	—	663	12:30	Mike Hest
4	"	"	"	20	—	—	560	13:20	Mike Dean
5	"	"	"	20	—	—	663	15:50	Mike Hest
				100					

RESULTS		LANDFARM EMPLOYEE	 Certification of above receipt & placement	NOTES
327	CHLORIDE TEST 2			ENTERED NOV 12 2014
	PAINT FILTER TEST 2			

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact _____ Phone _____

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Bill of Lading

MANIFEST # 49537

GENERATOR RIDDY PRODUCTION

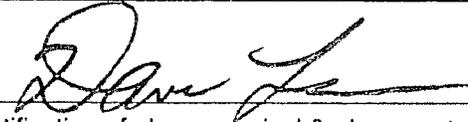
POINT OF ORIGIN CHACON JIC APACHE D-9

TRANSPORTER E-tech

DATE 10-31-14 JOB # 07151-0016

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLs	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	LFII-4	COAT Spil	I-2	20	-	-	663	9:45	Mike Dean
2	"	"	I-2	20	-	-	560	10:00	Mike Dean
3	"	"	I-2	20	-	-	663	12:35	Mike Dean
4	"	"	I-2	20	-	-	560	12:45	Mike Dean
5	"	"	I-2	20	-	-	663	15:25	Mike Dean
6	"	"	I-2	20	-	-	560	15:25	Mike Dean
				120					

RESULTS		LANDFARM EMPLOYEE	 Certification of above receipt & placement	NOTES	ENTERED NOV 14 2014
4289	CHLORIDE TEST 2				
	PAINT FILTER TEST 2				

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact _____ Phone _____

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Bill of Lading

MANIFEST # 49539

GENERATOR Roddy Production

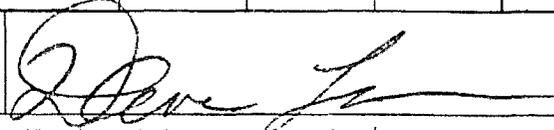
POINT OF ORIGIN Charco J.C. Abate D.

TRANSPORTER Roberts Trucking

DATE 10-31-14 JOB # 07151-0016

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLs	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	LFI-4	CONT SOIL	I-2	20	-	-	90	9:55	Albert Lewis
2	"	"	"	20	-	-	80	9:55	Lyle Marshall
3	"	"	"	20	-	-	90	13:00	Albert Lewis
4	"	"	"	20	-	-	80	13:00	Lyle Marshall
5	"	"	"	20	-	-	90	15:40	Albert Lewis
				100					

RESULTS		LANDFARM EMPLOYEE	 Certification of above receipt & placement	NOTES	ENTERED NOV 1 4 2015
C-289	CHLORIDE TEST 2				
	PAINT FILTER TEST 2				

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact _____ Phone _____

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Bill of Lading

MANIFEST # 49589

GENERATOR Roddy Production

POINT OF ORIGIN Jic. Chacon Apache D.

TRANSPORTER E-tech

DATE 11-4-14 JOB # 07151-0016

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	LF#-4	Cont Soil	I-4	20	-		663	0927	mark Hst
2	"	"	I-4	20	-		663	1222	mark Hst
				20	-		663	1515	mark Hst
				60					

RESULTS		LANDFARM EMPLOYEE	 Certification of above receipt & placement	NOTES	ENTERED NOV 14 2014
<289	CHLORIDE TEST 1				
	PAINT FILTER TEST 1				

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact _____ Phone _____

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Bill of Lading

MANIFEST # 49590
GENERATOR Roddy Production
POINT OF ORIGIN Jic Chacon Apoche D-9
TRANSPORTER Roberts.
DATE 11-4-14 JOB # 07151-2016

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	LF II 4	CONT SOIL	I-4	20	-		80	9:35	Kyle Adkins
2	LF II 4	CONT SOIL	I-4	20	-		90	9:43	Bobby Archuleta
3	LF II 4	" "	I-4	20	-		80	12:27	Kyle Adkins
4	"	" "	I-4	20	-		90	12:28	Bobby Archuleta
5	"	" "	I-4	20	-		80	15:23	Kyle Adkins
6	"	" "	I-4	20	-		90	15:36	Bobby Archuleta
				120					

RESULTS		LANDFARM EMPLOYEE	Garry Robinson EL	NOTES
< 289	CHLORIDE TEST			
	PAINT FILTER TEST	2	Certification of above receipt & placement	

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact Jimmy E. Cook Phone _____

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Bill of Lading

MANIFEST # 49610
 GENERATOR Roddy Production
 POINT OF ORIGIN Chacon Jic Apoche D-9
 TRANSPORTER Etech
 DATE 11-5-14 JOB # 07151-0016

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	- COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	LFII-4	CON450.L	I-6	20	-	-	663	923	mit Host
2	LFII-4	" "	I-6	20	-	-	663	1211	mit Host
3	" "	" "	J-2	20	-	-	662	15:10	mit Host
				60					

RESULTS		LANDFARM EMPLOYEE <i>Gary Robinson</i> ^{EL}	NOTES
L289	CHLORIDE TEST		
	PAINT FILTER TEST	Certification of above receipt & placement	
			ENTERED NOV 14 2014

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact Jimmy M. Etech Phone 505-632-0615

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Bill of Lading

MANIFEST # 49611
 GENERATOR Riddy Production
 POINT OF ORIGIN Chaco Jic Apache D.
 TRANSPORTER Roberts
 DATE 11.5.14 JOB # 07151-0016

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLs	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	LFII.4	NOV+SOIL	I-6	20	-	-	90	9:30	Bobby Archuleta
2	LFII.4	" "	I-6	20	-	-	90	12:25	Bobby Archuleta
3	" "	" "	J-2	20	-	-	90	15:30	Bobby Archuleta
				<u>60</u>					
RESULTS		LANDFARM EMPLOYEE	<i>Gary Robinson</i> ^{EL} Certification of above receipt & placement			NOTES ENTERED NOV 14 2014			
<289	CHLORIDE TEST								
	PAINT FILTER TEST	1							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact Jimmy M. E. Tech Phone _____

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Bill of Lading

MANIFEST # 49636

GENERATOR RODDY PRODUCTION

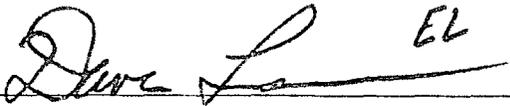
POINT OF ORIGIN CHACON J.C APACHE D-9

TRANSPORTER E-tech

DATE 11-6-14

JOB # 07157-0016

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	TKT#	TRK#	TIME	DRIVER SIGNATURE
2	LFII-4	cont Soil	K-2	20	-	-	659	9:40	Mike Hoyt
2	"	"	"	20	-	-	659	13:40	Mike Hoyt
3	"	"	"	20	-	-	659	15:45	Mike Hoyt
				60					
RESULTS		LANDFARM EMPLOYEE	 Certification of above receipt & placement			NOTES ENTERED NOV 14 2014			
<289	CHLORIDE TEST								
	PAINT FILTER TEST	1							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact _____ Phone _____

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