

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

Form C-144
July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

**Pit, Closed-Loop System, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application**

8682
Type of action: ☐ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
☒ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
☐ Modification to an existing permit
☐ Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

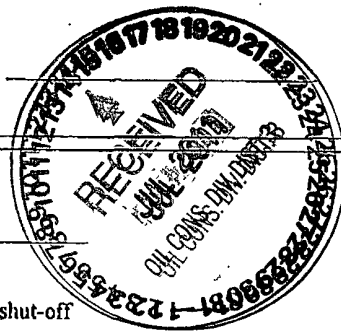
1.
Operator: Fuller Production, Inc. OGRID #: 151182
Address: P. O. Box 11327 Midland, Tx 79702
Facility or well name: Harris #1
API Number: 30-045-10264 OCD Permit Number: _____
U/L or Qtr/Qtr N Section 28 Township 31N Range 13W County: SAN JUAN
Center of Proposed Design: Latitude 36° 51' 57.59864" N Longitude 108° 12' 49.40354" W NAD: ☐ 1927 ☒ 1983
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F or G of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A
☐ Lined ☐ Unlined Liner type: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____ bbl Dimensions: L _____ x W _____ x D _____

3.
☐ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC
Type of Operation: ☐ P&A ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other _____
☐ Lined ☐ Unlined Liner type: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____

4.
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: 95 bbl Type of fluid: Water
Tank Construction material: Steel
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☒ Other Rectangular steel double bottom with leak detection and expanded metal covering
Liner type: Thickness _____ mil ☐ HDPE ☐ PVC ☐ Other _____

5.
☐ **Alternative Method:**



- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19.

Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Jonathan French Title: Vice Pres.

Signature: [Signature] Date: 3-8-11

e-mail address: _____ Telephone: 432-683-5661

20.

OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: [Signature] Approval Date: 7/27/11

Title: _____ OCD Permit Number: _____

21.

Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☒ Closure Completion Date: 6/6/2011

22.

Closure Method:

- ☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
- ☐ If different from approved plan, please explain.

23.

Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: IEI Disposal Facility Permit Number: AC-138

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?

- ☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:

- ☐ Site Reclamation (Photo Documentation)
- ☐ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique

24.

Closure Report Attachment Checklist: *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

- ☒ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure)
- ☒ Plot Plan (for on-site closures and temporary pits)
- ☒ Confirmation Sampling Analytical Results (if applicable)
- ☒ Waste Material Sampling Analytical Results (required for on-site closure)
- ☒ Disposal Facility Name and Permit Number
- ☒ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique
- ☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 36° 51' 57.59864 N Longitude -108° 12' 49.40354 W NAD: ☐ 1927 ☒ 1983

25.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

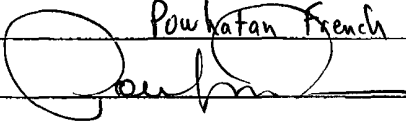
Name (Print):

Powhatan French

Title:

Vice-President

Signature:



Date:

7-12-11

e-mail address:

Telephone:

432-683-5661

June 6, 2011

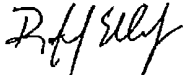
Harris #1

Below Grade Pit Tank Closure

The steel, below grade tank was removed on 6-6-2011. The hydrocarbon contaminated soil (exempt), was removed using a backhoe. The final dimensions of the excavation were 12x12x15. The contaminated soil was minimal and was contained within the berms surrounding the fiberglass tank. The excavation was backfilled with clean soil hauled in from a commercial pit. The hydrocarbon contaminated soil was hauled to a commercial landfarm (IEI). A C-138 was completed and submitted to IEI prior to the delivery of the contaminated soil. Samples were taken to Envirotech for analysis (see results). Requested tests include TPH 418.1, Chloride, TPH 8015 and BTEX 8021. A Chain Of Custody was completed and submitted with the soil samples.

If you have questions or concerns, feel free to contact me at 505-320-4969.

Thanks



Randy J. Elledge
Wapiti Energy Services, LLC

----- Original Message -----

From: Scott King <sking@frenchoiltx.com>
To: John Nussbaumer
Cc: 'Fort Royce' <rfort@frenchoiltx.com>
Sent: Mon Jun 27 10:27:41 2011
Subject: FW: Below Grade Tanks

John-

Royce Fort requested I forward you this e-mail.

Thanks

Scott King

From: Powell, Brandon, EMNRD [mailto:Brandon.Powell@state.nm.us]
Sent: Friday, May 06, 2011 3:27 PM
To: Scott King
Subject: RE: Below Grade Tanks

Scott-

These permits are approved and you can proceed with the closures.

Thank You

Brandon Powell

Environmental Specialist

New Mexico Oil Conservation

1000 Rio Brazos Rd, Aztec NM 87410

Office: (505) 334-6178 ext. 115

E-mail: Brandon.Powell@state.nm.us

From: Scott King [mailto:sking@frenchoiltx.com]

Sent: Tuesday, April 19, 2011 2:59 PM

To: Powell, Brandon, EMNRD

Subject: Below Grade Tanks

Brandon-

Per our telephone conversation, we would like to convert the C-144 from a permit to a closure plan only. Thank you for your time and attention in this matter.

Thanks

Scott King

(432) 683-5661

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For more information please visit <http://www.messagelabs.com/email>

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FULLER PETROLEUM

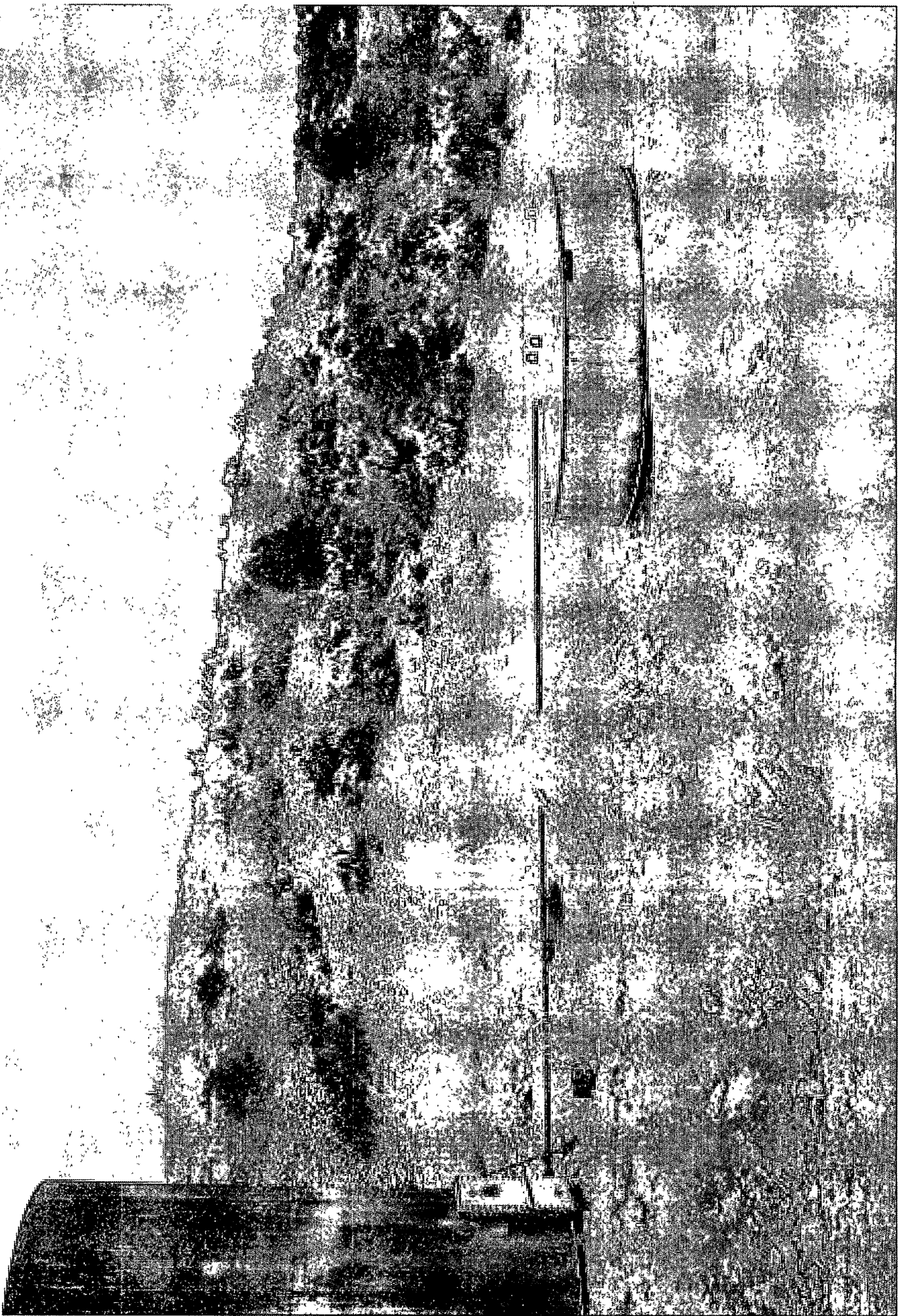
HARRIS #1

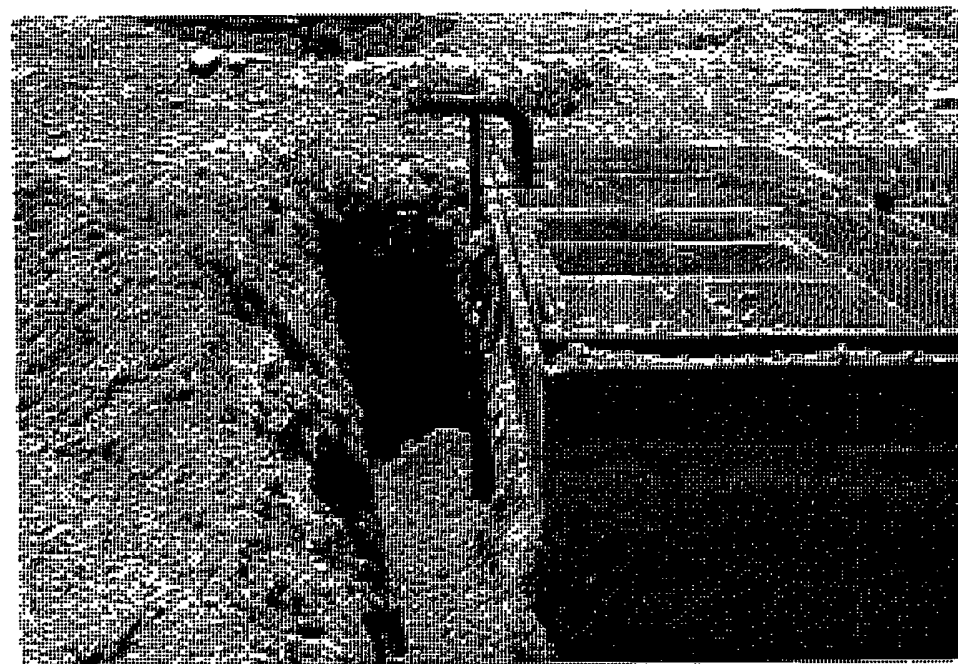
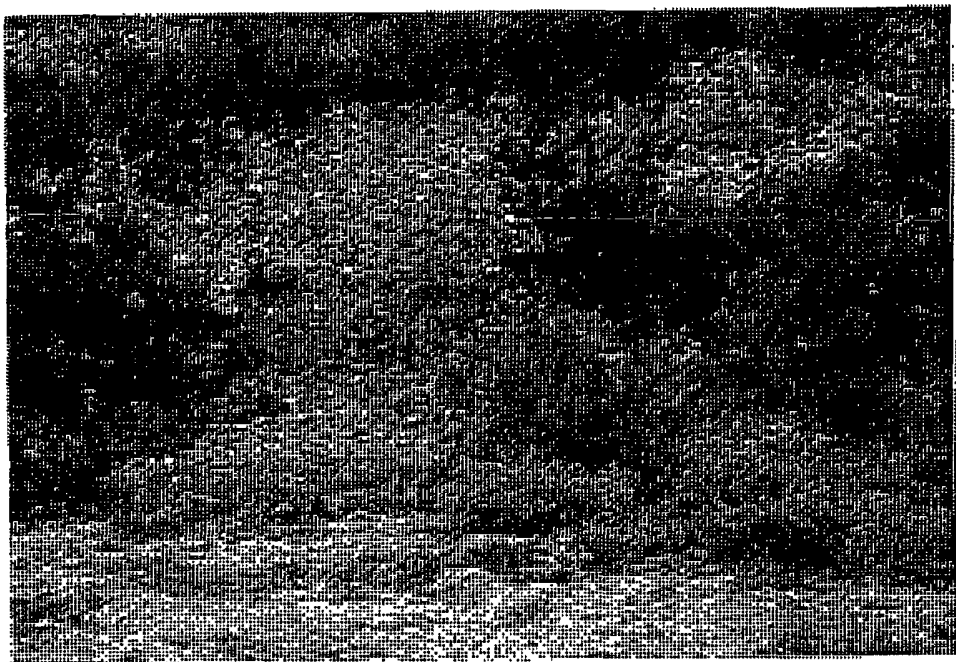
FEE API#30-045-10264

SE 1/4 SW 1/4 UNIT N

SEC. 28 T31N R13W

SAN JUAN COUNTY NM





FULLER PRODUCTION INC.

HARRIS # 1

NM-078463-A

API # 30-045-10264

SE/4, SW/4, UNIT N

SEC. 28, T31N, R13W

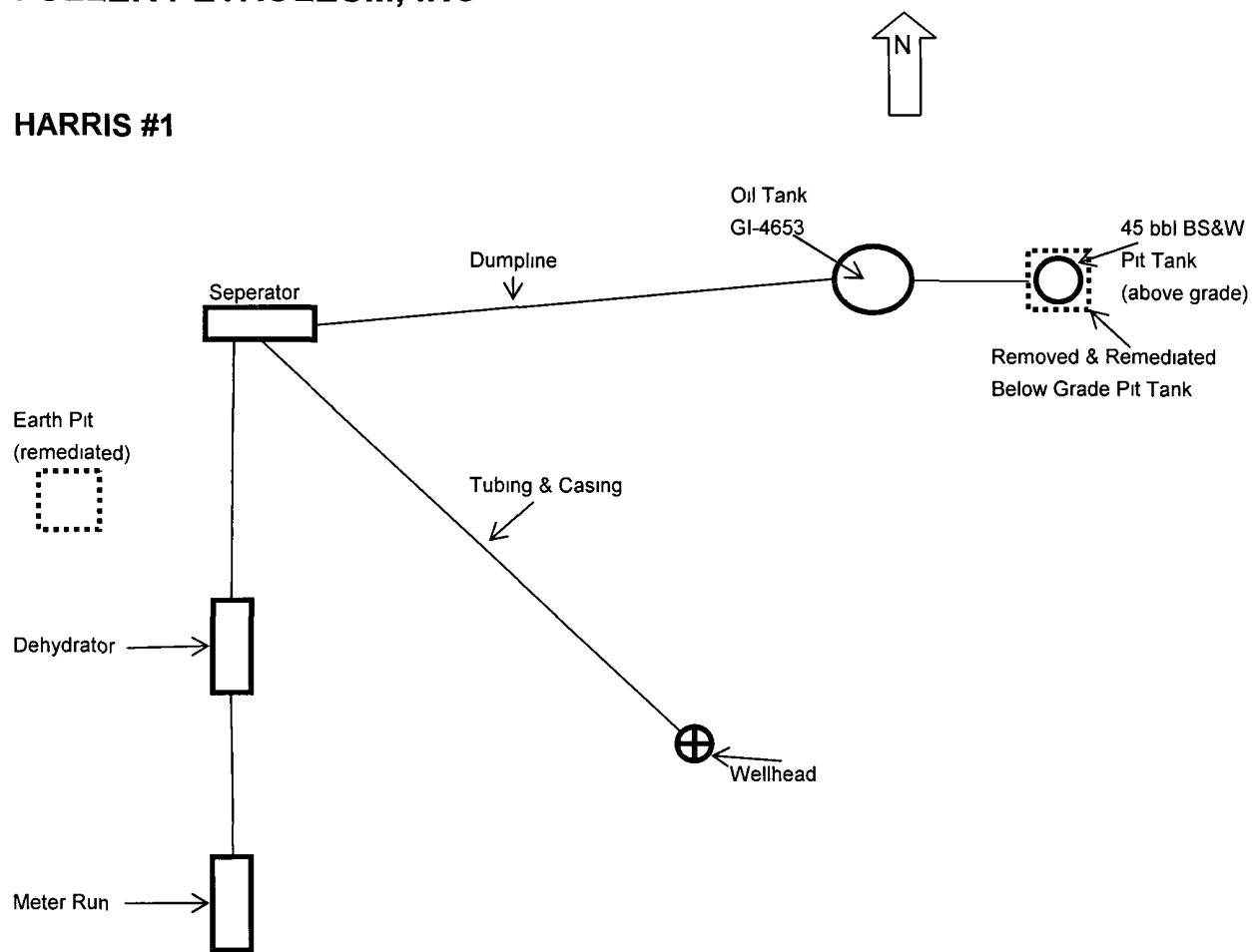
LAT 36° 51' 58" LONG 108° 12' 47"

SAN JUAN COUNTY, NM

FOR EMERGENCY CALL (505) 325-1825

FULLER PETROLEUM, INC

HARRIS #1



HARRIS #1

Lease - FEE
API # 30-045-10264
SE/4 SW/4 UNIT N
San Juan County, New Mexico
S28 T31N R13W

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
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-138
Revised March 12, 2007

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

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:	Fuller Production
2. Originating Site:	HARRIS #1
3. Location of Material (Street Address, City, State or ULSTR):	S28 T31N R13W NM
4. Source and Description of Waste:	Hydro-carbon contaminated soil
Estimated Volume	20 yd ³ / bbls Known Volume (to be entered by the operator at the end of the haul) yd ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>William Merrick</u> , representative or authorized agent for <u>Fuller Production</u> do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <i>Operator Use Only: Waste Acceptance Frequency</i> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input checked="" type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4)	
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, _____, representative for _____ do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.	
5. Transporter:	JP TRUCKING

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Industrial Eco-Systems

Address of Facility: #49 CR 3150 Aztec, NM 87410

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: _____

TITLE: _____ DATE: _____

SIGNATURE: _____
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: _____

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

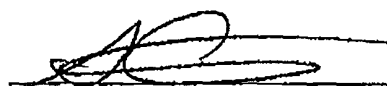
Client:	Fuller Production	Project #:	11106-0001
Sample ID:	Harris #1 Below Grade Pit	Date Reported:	06-07-11
Laboratory Number:	58398	Sampled:	06-06-11
Chain of Custody No:	11842	Date Received:	06-07-11
Sample Matrix:	Soil	Date Extracted:	06-07-11
Preservative:	Cool	Date Analyzed:	06-07-11
Condition:	Intact	Analysis Requested:	8015 TPH

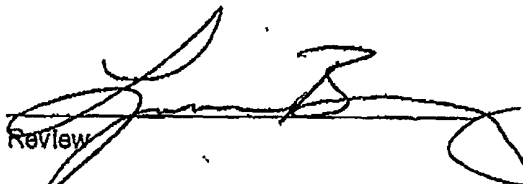
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Harris #1**



Analyst

Review



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

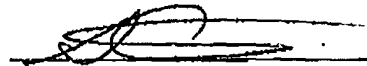
Client:	Fuller Production	Project #:	11106-0001
Sample ID:	Harris #1 Earth Pit	Date Reported:	06-07-11
Laboratory Number:	58399	Sampled:	06-06-11
Chain of Custody No:	11842	Date Received:	06-07-11
Sample Matrix:	Soil	Date Extracted:	06-07-11
Preservative:	Cool	Date Analyzed:	06-07-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.1	0.2
Diesel Range (C10 - C28)	351	0.1
Total Petroleum Hydrocarbons	352	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Harris #1


Analyst


Review



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-07-11 QA/QC	Date Reported:	06-07-11
Laboratory Number:	58385	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-07-11
Condition:	N/A	Analysis Requested:	TPH

Gasoline Range C5 - C10	06/07/11	9.996E+02	1.000E+03	0.04%	0 - 15%
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Diesel Range C10 - C28	06/07/11	9.996E+02	1.000E+03	0.04%	0 - 15%
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Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	14.8	0.2
Diesel Range C10 - C28	4.1	0.1


Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Range
Gasoline Range C5 - C10	ND	ND	0.00%	0 - 30%
Diesel Range C10 - C28	36.6	35.9	1.80%	0 - 30%

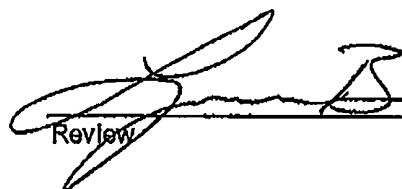
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	256	102%	75 - 125%
Diesel Range C10 - C28	36.6	250	255	89.1%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 58385-58387, 58392-58400


Analyst


Reviewer



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Fuller Production	Project #:	11106-0001
Sample ID:	Harris #1 Below Grade Pit	Date Reported:	06-08-11
Laboratory Number:	58398	Date Sampled:	06-08-11
Chain of Custody:	11842	Date Received:	06-07-11
Sample Matrix:	Soil	Date Analyzed:	06-07-11
Preservative:	Cool	Date Extracted:	06-07-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	7.2	1.0
Ethylbenzene	2.1	1.0
p,m-Xylene	8.2	1.2
o-Xylene	6.1	0.9
Total BTEX	23.6	

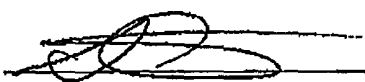
ND - Parameter not detected at the stated detection limit.

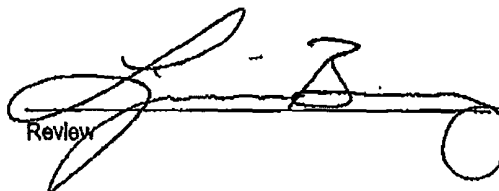
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	103 %
	1,4-difluorobenzene	112 %
	Bromochlorobenzene	96.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Harris #1


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Fuller Production	Project #:	11108-0001
Sample ID:	Harris #1 Earth Pit	Date Reported:	06-08-11
Laboratory Number:	58399	Date Sampled:	06-08-11
Chain of Custody:	11842	Date Received:	08-07-11
Sample Matrix:	Soil	Date Analyzed:	08-07-11
Preservative:	Cool	Date Extracted:	08-07-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	5.9	1.0
Ethylbenzene	1.3	1.0
p,m-Xylene	7.9	1.2
o-Xylene	3.6	0.9
Total BTEX	18.6	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	103 %
	1,4-difluorobenzene	110 %
	Bromochlorobenzene	83.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Harris #1


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0607BBLK QA/QC	Date Reported:	06-07-11
Laboratory Number:	58384	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-07-11
Condition:	N/A	Analyte:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	A-Cal RF	C-Cal RF	% Diff	Blank Conc.	Detect Limit
			Accept Range 0 - 15%		
Benzene	3.4885E+008	3.4734E+008	0.2%	ND	0.1
Toluene	3.7344E+008	3.7419E+008	0.2%	ND	0.1
Ethylbenzene	3.3488E+008	3.3653E+008	0.2%	ND	0.1
p,m-Xylene	9.2284E+008	9.2488E+008	0.2%	ND	0.1
o-Xylene	3.1921E+008	3.1985E+008	0.2%	ND	0.1

Duplicate Conc (ug/Kg)	Sample	Duplicate	% Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	480	96.1%	39 - 150
Toluene	ND	500	486	97.2%	48 - 148
Ethylbenzene	ND	500	481	96.3%	32 - 160
p,m-Xylene	ND	1000	961	96.1%	46 - 148
o-Xylene	ND	500	483	96.6%	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 6030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1998.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1990.

Comments: QA/QC for Samples 58384; 58392-58395, 58397-58400

Analyst

Review

Client:	Fuller Production	Project #:	11108-0001
Sample ID:	Harris #1 Below Grade Pit	Date Reported:	06/07/11
Laboratory Number:	58398	Date Sampled:	06/06/11
Chain of Custody No:	11842	Date Received:	06/07/11
Sample Matrix:	Soil	Date Extracted:	06/07/11
Preservative:	Cool	Date Analyzed:	06/07/11
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	24.5	7.7

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Harris #1



Analyst

Review

Client:	Fuller Production	Project #:	11108-0001
Sample ID:	Harris #1 Earth Plt	Date Reported:	06/07/11
Laboratory Number:	58399	Date Sampled:	06/06/11
Chain of Custody No:	11842	Date Received:	06/07/11
Sample Matrix:	Soil	Date Extracted:	06/07/11
Preservative:	Cool	Date Analyzed:	06/07/11
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	2,650	7.7

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Harris #1


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**EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT**

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	06/07/11
Laboratory Number:	6-07-TPH.QA/QC 58397	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	06/07/11
Preservative:	N/A	Date Extracted:	06/07/11
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
	05/09/11	06/07/11	1,610	1,720	6.8%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	7.7


Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	710	774	9.1%	+/- 30%

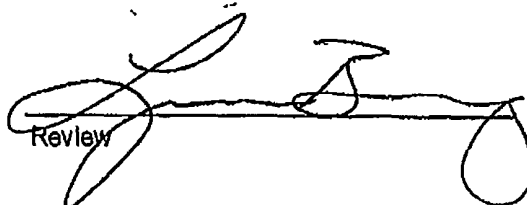
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
TPH	710	2,000	3,230	119%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 58392-58395, 58397-58400


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Client:	Fuller Production	Project #:	11106-0001
Sample ID:	Harris #1 Below Grade Pit	Date Reported:	06/08/11
Lab ID#:	58398	Date Sampled:	06/06/11
Sample Matrix:	Soil	Date Received:	06/07/11
Preservative:	Cool	Date Analyzed:	06/08/11
Condition:	Intact	Chain of Custody:	11842

Parameter	Concentration (mg/Kg)
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Total Chloride**10**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Harris #1**



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Client:	Fuller Production	Project #:	11106-0001
Sample ID:	Harris #1 Earth Pit	Date Reported:	06/08/11
Lab ID#:	58399	Date Sampled:	06/06/11
Sample Matrix:	Soil	Date Received:	06/07/11
Preservative:	Cool	Date Analyzed:	06/08/11
Condition:	Intact	Chain of Custody:	11842

Parameter	Concentration (mg/Kg)
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Total Chloride**45**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Harris #1**


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CHAIN OF CUSTODY RECORD

11842

Client: Fuller Production		Project Name / Location: Harris #1				ANALYSIS / PARAMETERS														
Client Address: PO Box 11327 Midland TX 79702		Sampler Name: Randy Elledge				<div style="display: flex; justify-content: space-between;"> <div> <div>TPH (Method 8015)</div> <div>BTEX (Method 8021)</div> <div>VOC (Method 8260)</div> <div>RCRA 8 Metals</div> <div>Cation / Anion</div> <div>RCI</div> <div>TCLP with H/P</div> <div>PAH</div> <div>TPH (418.1)</div> <div>CHLORIDE</div> </div> <div> <div>Sample Cool</div> <div>Sample Intact</div> </div> </div>														
Client Phone No.: 320-4969		Client No.: 11106-0061																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative	Hg	Pb	TPH	BTEX	VOC	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	Sample Cool	Sample Intact
Harris #1 - Belowgrade pit	6/1/11	1:00p	58398	Soil Solid	1				X	X							X	X		✓
Harris #1 earth pit	6/1/11	1:40p	58399	Soil Solid	1				X	X							X	X		✓
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
Relinquished by: (Signature)					Date	Time	Received by: (Signature)										Date	Time		
6/1/11					6/1/11	8:08a	6/7/11										8:08a			
Relinquished by: (Signature)							Received by: (Signature)													
Relinquished by: (Signature)							Received by: (Signature)													



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5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com

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