

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**

8681  
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: McCarty #1  
API Number: 30-045-10686 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr N Section 14 Township 31N Range 13W County: SAN JUAN  
Center of Proposed Design: Latitude 36° 53' 41.28225" N Longitude 108° 10' 36.72549" 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: 150 bbl Type of fluid: Water  
Tank Construction material: Fiberglass  
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off  
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☒ Other Partially visible buried fiber glass tank  
Liner type: Thickness \_\_\_\_\_ mil ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_

5.  
☐ **Alternative Method:**  
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.



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): Powhatan French Title: Vice President

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: 6/2/2011

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: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

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°53'41.28235" Longitude 108°10'36.72549" 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: [Signature] Date: 7-12-11

e-mail address: \_\_\_\_\_ Telephone: 432-683-5661

June 2, 2011

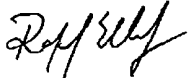
**McCarty #1**

**Below Grade Pit Tank Closure**

The fiberglass, below grade tank was removed on 6-2-2011. The hydrocarbon contaminated soil (exempt), was removed using a backhoe. The final dimensions of the excavation were 15x15x12. 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

A handwritten signature in black ink, appearing to read 'Randy J. Elledge'.

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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FULLER PETROLEUM

MCCARTY #1

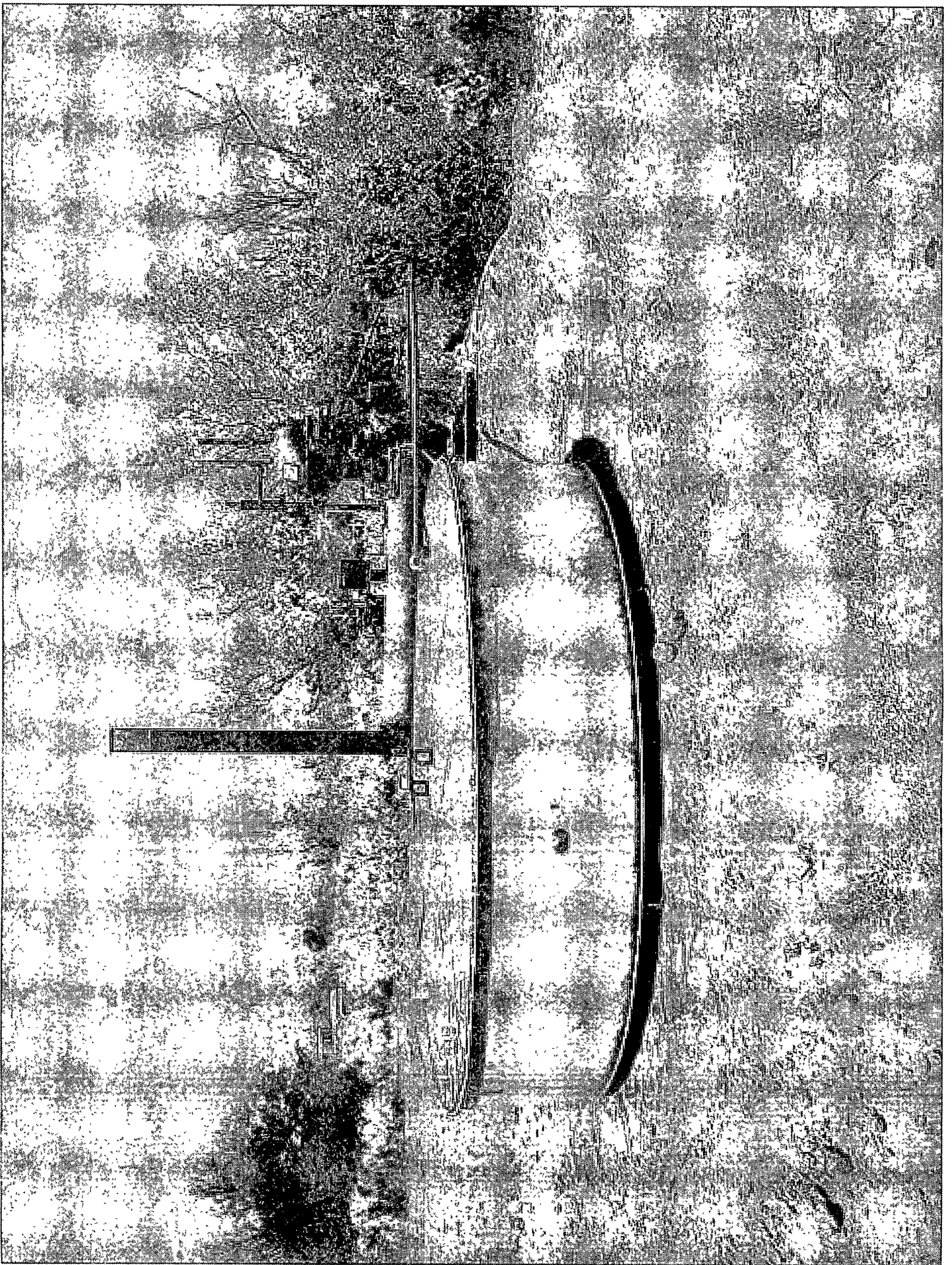
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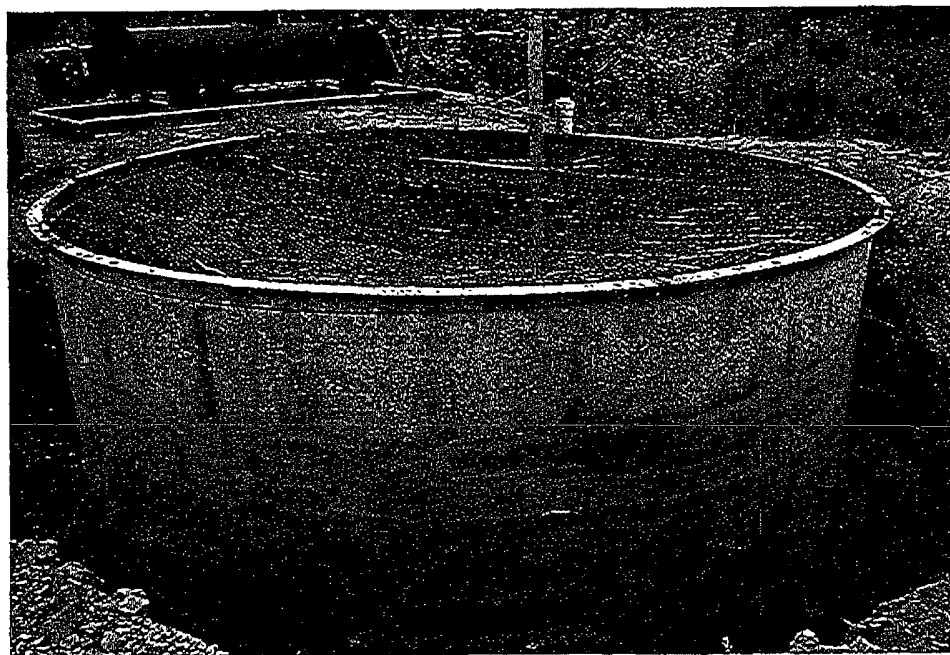
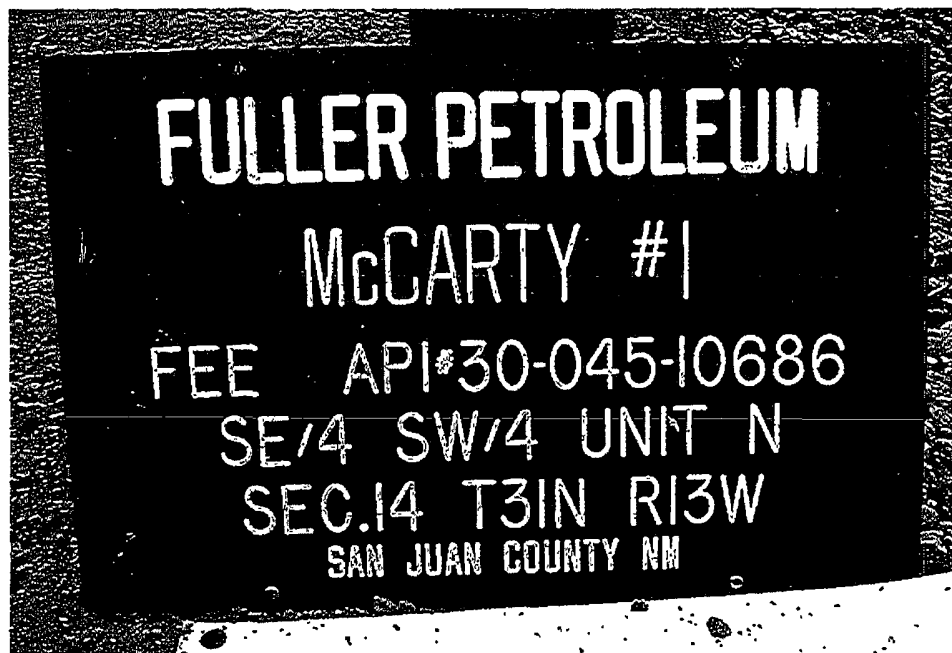
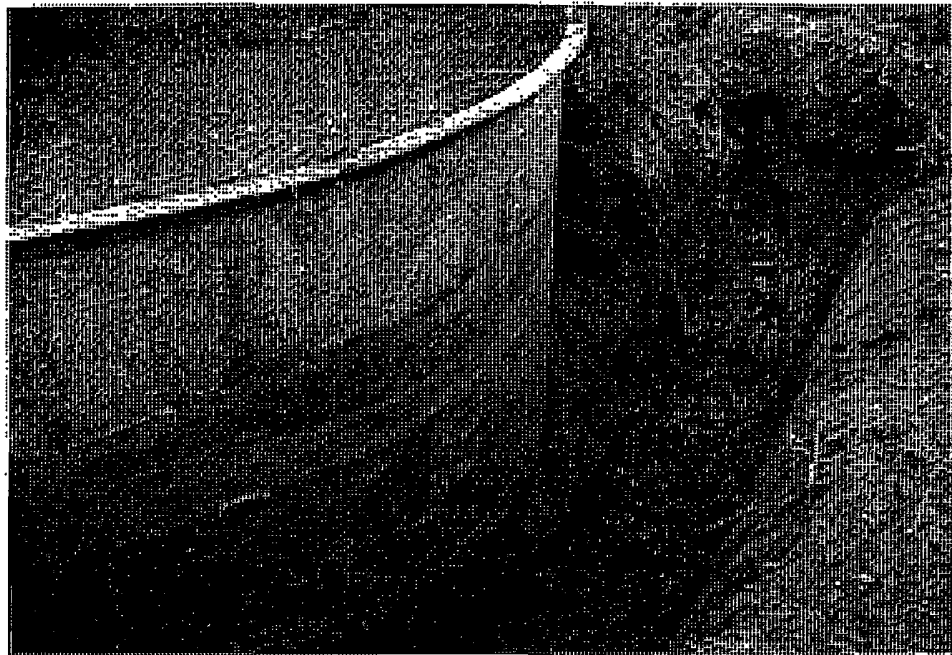
SE $\frac{1}{4}$  SW $\frac{1}{4}$  UNIT N

SEC.14 T31N R13W

SAN JUAN COUNTY NM









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

Form C-138  
Revised March 12, 2007

\*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:**

McCarty #1

**3. Location of Material (Street Address, City, State or ULSTR):**

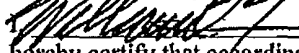
S14 T31N R13W NM

**4. Source and Description of Waste:**

Hydro-carbon contaminated soil

Estimated Volume 28 yd<sup>3</sup> / bbls Known Volume (to be entered by the operator at the end of the haul) yd<sup>3</sup> / bbls

**5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

 William Merrick, representative or authorized agent for Fuller Production 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)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only Waste Acceptance Frequency ☐ Monthly ☐ Weekly ☒ Per Load

☐ 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)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ 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**

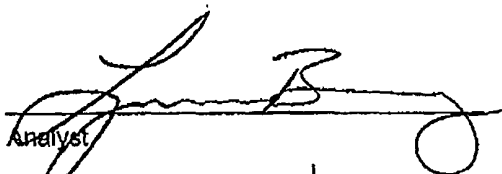
Client:	Fuller Production/c/o McElvain	Project #:	11106-0001
Sample ID:	Bottom of Excav	Date Reported:	06-03-11
Laboratory Number:	58366	Sampled:	06-01-11
Chain of Custody No:	11834	Date Received:	06-02-11
Sample Matrix:	Soil	Date Extracted:	06-02-11
Preservative:		Date Analyzed:	06-02-11
Condition:	Intact	Analysis Requested:	8015 TPH

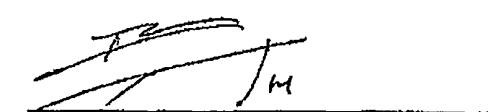
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.7	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	4.7	

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: **McCarty #1**

  
Analyst

  
Review



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

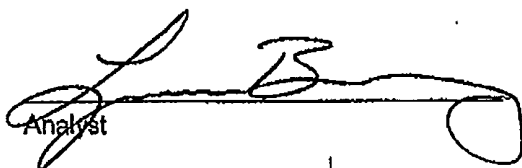
Client:	Fuller Production/c/o McElvain	Project #:	11106-0001
Sample ID:	3 Ft Bottom	Date Reported:	06-03-11
Laboratory Number:	58367	Sampled:	06-01-11
Chain of Custody No:	11834	Date Received:	06-02-11
Sample Matrix:	Soil	Date Extracted:	06-02-11
Preservative:		Date Analyzed:	06-02-11
Condition:	Intact	Analysis Requested:	8015 TPH

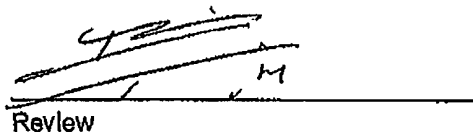
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.7	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	3.7	

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: **McCarty #1**

  
Analyst

  
Review



EPA Method 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-02-11 QA/QC	Date Reported:	06-02-11
Laboratory Number:	58351	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-02-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	06/02/11	9.998E+02	1.000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	06/02/11	9.996E+02	1.000E+03	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	26.7	0.2
Diesel Range C10 - C28	1.9	0.1

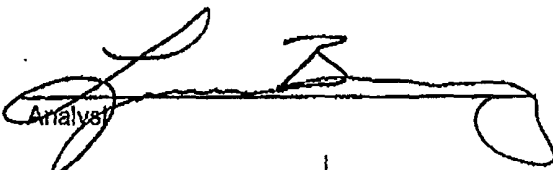
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Range
Gasoline Range C5 - C10	ND	ND	0.00%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.00%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	242	96.7%	75 - 125%
Diesel Range C10 - C28	ND	250	245	98.2%	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 58351-58354, 58358-58360, 58364-58367

  
Analyst

  
Review



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Fuller Production/c/o McElvain	Project #:	11108-0001
Sample ID:	Bottom of Excav	Date Reported:	06-03-11
Laboratory Number:	58368	Date Sampled:	06-01-11
Chain of Custody:	11834	Date Received:	06-02-11
Sample Matrix:	Soil	Date Analyzed:	06-02-11
Preservative:		Date Extracted:	06-02-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	58.9	1.2
o-Xylene	11.2	0.9
Total BTEX	70.1	

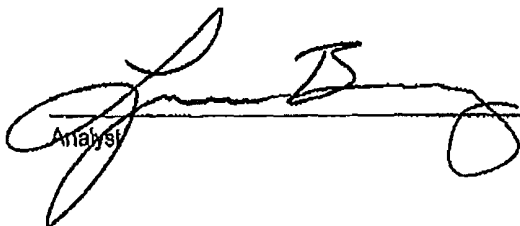
ND - Parameter not detected at the stated detection limit.

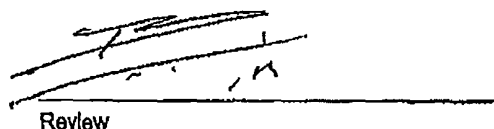
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	87.4 %
	1,4-difluorobenzene	92.7 %
	Bromochlorobenzene	103 %

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: McCarty #1

  
Analyst

  
Review





EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Fuller Production/c/o McElvain	Project #:	11106-0001
Sample ID:	3 Ft Bottom	Date Reported:	06-03-11
Laboratory Number:	58367	Date Sampled:	06-01-11
Chain of Custody:	11834	Date Received:	06-02-11
Sample Matrix:	Soil	Date Analyzed:	06-02-11
Preservative:		Date Extracted:	06-02-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	1.6	0.9
Total BTEX	1.6	

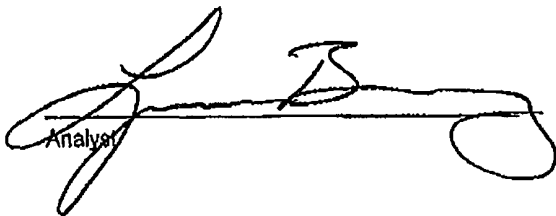
ND - Parameter not detected at the stated detection limit.

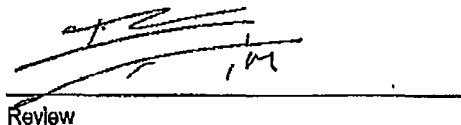
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	89.9 %
	1,4-difluorobenzene	96.8 %
	Bromochlorobenzene	102 %

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: McCarty #1

  
Analyst

  
Review



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0602BBLK QA/QC	Date Reported:	06-02-11
Laboratory Number:	58353	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-02-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	% Diff	Blank Conc.	Detect Limit
			Accept Range 0 - 15%		
Benzene	3.5034E+006	3.5105E+006	0.2%	ND	0.1
Toluene	3.8883E+006	3.8967E+006	0.2%	ND	0.1
Ethylbenzene	3.2344E+006	3.2409E+006	0.2%	ND	0.1
p,m-Xylene	8.7142E+006	8.7316E+006	0.2%	ND	0.1
o-Xylene	2.9945E+006	3.0005E+006	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	511	102%	39 - 150
Toluene	ND	500	513	103%	46 - 148
Ethylbenzene	ND	500	512	102%	32 - 160
p,m-Xylene	ND	1000	1,020	102%	46 - 148
o-Xylene	ND	500	512	102%	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 8030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.  
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photolization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 58353-58354, 58364-58367

Analyst

Review

**EPA METHOD 418.1  
TOTAL PETROLEUM HYDROCARBONS**

Client:	Fuller Production/c/o McElvain	Project #:	11108-0001
Sample ID:	Bottom of Excav	Date Reported:	06/02/11
Laboratory Number:	58366	Date Sampled:	06/01/11
Chain of Custody No:	11834	Date Received:	06/02/11
Sample Matrix:	Soil	Date Extracted:	06/02/11
Preservative:		Date Analyzed:	06/02/11
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	77.4	7.7
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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. 4651, 1978.

Comments: **McCarty #1**

  
Analyst  
Review

**EPA METHOD 418.1**  
**TOTAL PETROLEUM HYDROCARBONS**

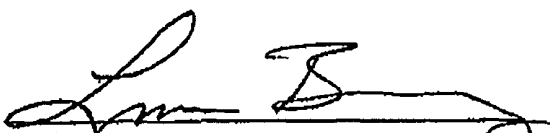
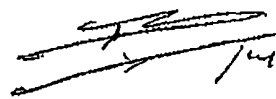
Client:	Fuller Production/c/o McElvain	Project #:	11106-0001
Sample ID:	3 Ft Bottom	Date Reported:	06/02/11
Laboratory Number:	58367	Date Sampled:	06/01/11
Chain of Custody No:	11834	Date Received:	06/02/11
Sample Matrix:	Soil	Date Extracted:	06/02/11
Preservative:		Date Analyzed:	06/02/11
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	116	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: **McCarty #1**

  
Analyst  
Review

# EPA METHOD 418.1

## TOTAL PETROLEUM HYDROCARBONS

### QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	06/02/11
Laboratory Number:	06-02-TPH.QA/QC 58364	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	06/02/11
Preservative:	N/A	Date Extracted:	06/02/11
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	06/02/11	1,610	1,670	3.7%	+/- 10%

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

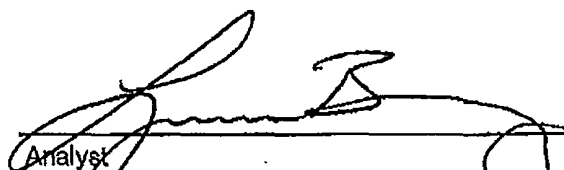
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
TPH	28.4	29.7	4.6%	+/- 30%

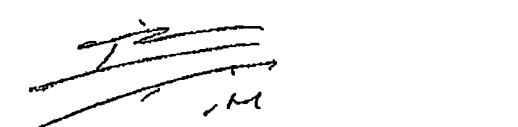
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	28.4	2,000	1,870	92.2%	80 - 120%

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 58364-58367

  
 Analyst

  
 Review



Client:	Fuller Production/c/o McElvain	Project #:	11108-0001
Sample ID:	Bottom of Excav	Date Reported:	06/03/11
Lab ID#:	58366	Date Sampled:	06/01/11
Sample Matrix:	Soil	Date Received:	06/02/11
Preservative:		Date Analyzed:	06/03/11
Condition:	Intact	Chain of Custody:	11834

Parameter	Concentration (mg/Kg)
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**Total Chloride****20**

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: **McCarty #1**

  
Analyst  
Review

Client:	Fuller Production/o/o McElvain	Project #:	11106-0001
Sample ID:	3 Ft Bottom	Date Reported:	06/03/11
Lab ID#:	68367	Date Sampled:	06/01/11
Sample Matrix:	Soil	Date Received:	06/02/11
Preservative:		Date Analyzed:	06/03/11
Condition:	Intact	Chain of Custody:	11834

**Parameter****Concentration (mg/Kg)****Total Chloride****260**

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: **McCarty #1**

  
Analyst  
Review

# CHAIN OF CUSTODY RECORD

11834

Client: <i>c/o Fuller Production / McEwen</i>			Project Name / Location: <i>McCart #1</i>			ANALYSIS / PARAMETERS													
Client Address: <i>PO Box 11327 Midland, TX 79702</i>			Sampler Name: <i>Randy Elledge</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	FIC	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: <i>11106-0001</i>																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative													
<i>Bottom of Exca</i>	<i>6/1/11</i>	<i>6:15 p</i>	<i>58366</i>	<i>Soil Sludge</i>										<i>X</i>	<i>X</i>				
<i>3ft Bottom</i>	<i>6/1/11</i>	<i>4:40 p</i>	<i>58367</i>	<i>Soil Sludge</i>										<i>X</i>	<i>X</i>				
				<i>Soil Sludge</i>															
				<i>Soil Sludge</i>															
				<i>Soil Sludge</i>															
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				<i>Soil Sludge</i>															
				<i>Soil Sludge</i>															
Relinquished by: (Signature) <i>R. Elledge</i>			Date	Time	Received by: (Signature) <i>Randy Vaguera</i>			Date	Time										
Relinquished by: (Signature)					Received by: (Signature)														
Relinquished by: (Signature)					Received by: (Signature)														

*Lab to Fuller Production*  
*Send results to R. Elledge*

 **envirotech**  
 Analytical Laboratory

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