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

State of New Mexico **Energy Minerals and Natural Resources**

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

Revised October 10, 2003

Form C-141

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

Release Notification and Corrective Action API \$30-039-24073 **OPERATOR** Initial Report x Final Report Name of Company McElvain Oil & Gas Properties, Inc. Contact Randy J. Elledge Address PO Box 5610 Farmington NM 87499 Telephone No. 505-320-4969 Facility Name Wildfire SWD Facility Type Salt Water Disposal Surface Owner Wendy Stevenson Mineral Owner Lease No. NM 103556 LOCATION OF RELEASE North/South Line Unit Letter Section Township Range Feet from the Feet from the East/West Line County 960'FSL 1650'FWL 26N 2W Rio Arriba N 26 Latitude 36.45129* Longitude 107.02241* NATURE OF RELEASE Type of Release Water with trace of oil Volume of Release 50 bbls Volume Recovered 40 bbls Source of Release Clean Water Tank Date and Hour of Occurrence Date and Hour of Discovery 10-22-08 app. 5:00 am 10-22-08 at 8:00 am If YES, To Whom? NMOCD-Brandon Powell Was Immediate Notice Given? x Yes No Not Required By Whom? Randy J. Elledge Date and Hour 10-22-08 at 12:00 pm initial phone call (left message) Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. Yes x No RCVD DEC 18'08 If a Watercourse was Impacted, Describe Fully.* OIL COMS. DIV. DIST. S Describe Cause of Problem and Remedial Action Taken.* There was a malfunction in the Murphy kill switch that shuts off on high liquid level (possible trash or freeze). A new switch was installed and an Electrician was called to check on wiring and repair as needed. Describe Area Affected and Cleanup Action Taken.* The fluid was contained in the firewall and recovered with a vacuum truck. A backhoe was used to remove any contaminants that remained. The removed soil was taken to TNT Landfarm. Envirotech was called to take field samples and lab samples. All sample results were below the prescribed NMOCD limits. 80 cu/yds were removed and taken to the landfarm by dump truck. Two other stains were excavated and hauled to landfarm as well. 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. OIL CONSERVATION DIVISION Signature: For: Charlie Approved by District Supervisor: Peror Printed Name: Randy J. Elledge Approval Date: 12-18-08 **Expiration Date:** Title: Production Foreman/Environmental Agent

Conditions of Approval:

* Attach Additional Sheets If Necessary

Date: 12-16-2008

E-mail Address: Relledge @wapitisvc.com

Phone:505-320-4969

Incident # 1RM 0928 154955

Attached

Table 1, Analytical Results
McElvain Oil Gas Properties, Inc.
Wild Fire SWD
Sec. 26, Twp. 26N, Rng. 2W
Rio Arriba County, New Mexico
Project No. 06039-0017

	Sample	2 .	USEPA Method 8021	USEPA Method 8021	USEPA Method 418.1	USEPA Method 8015	OVM
Sample Description	Number	Date	Benzene (ppm)	BTEX (ppm)	TPH (ppm)	GRO/DRO (ppm)	(ppm)
NMOCD Standards	, NA	NA	10.0	50	1000	1000	€100
5 Point Composite	1	10/24/08	0.0026	0.0124	992	23	9.9

.



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

McElvain Oil & Gas Properties, Inc.

Project #:

06039-0017

Sample No.:

Date Reported:

11/26/2008

Sample ID:

5 Point Composite

Date Sampled:

10/24/2008

Sample Matrix:

Soil

Date Analyzed:

10/24/2008

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

992

5.0

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:

Wild Fire SWD

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Scott Gonzales

Printed

Sherry Auckland

Printed

Mickland



CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Cal. Date:

24-Oct-08

Parameter	Standard Concentration mg/L	Concentration ` Reading mg/L	
ТРН	100		1
	200	211	
	500		
	1000		

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Analyst Analyst	12-10-08 Date
Scott Gonzales	
Print Name	
Thein auckland	11/26/8
Review	Date
Sherry Auckland	



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	McElvain	Project #:	06039-0017
Sample ID:	5pt. Comp.	Date Reported:	10-29-08
Laboratory Number:	47894	Date Sampled:	10-24-08
Chain of Custody:	5634	Date Received:	10-24-08
Sample Matrix:	Soil	Date Analyzed:	10-28-08
Preservative:	Cool	Date Extracted:	10-27-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	• ,
Benzene	2.6	0.9	
Toluene	2.5	1.0	
Ethylbenzene	1.5	1.0	
p,m-Xylene	3.9	1.2	
o-Xylene	1.9	0.9	
Total BTEX	12.4		

ND - Parameter not detected at the stated detection limit.

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

References:

 ${\it Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,}$

December 1996.

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

ÚSEPA, December 1996.

Comments:

Wildfire SWD

Analyst

Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	F	Project #:		N/A
Sample ID:	10-28-BT QA/QC	[Date Reported:		10-29-08
_aboratory Number:	47828	[Date Sampled:		N/A
Sample Matrix:	Soil	Γ	Date Received:		N/A
Preservative:	N/A	Γ	Date Analyzed:	•	10-28-08
Condition:	N/A	A	Analysis:		BTEX
Calibration and	i-Calire:	C-Call RF	ግድ እስከተለፈ ተደመሰለጫ የአፈማ ተወ <u>ታየ</u> ው በ	Blank	Detect
Detection Limits (ug/L)		Accept Rang	e.u/=.iib/%	Conc	limita
3enzene	4.8971E+007	4.9069E+007	0.2%	ND	0.1
oluene	3.6215E+007	3.6287E+007	0.2%	ND	0.1
Ethylbenzene	2.7584E+007	2.7639E+007	0.2%	ND	0.1
o,m-Xylene	5.9847E+007	5.9967E+007	0.2%	ND	0.1
o-Xylene	2.7347E+007	2 7402E+007	0.2%	ND	0.1
Duplicate Conc. (ug/Kg)	Sample	e Duplicate :	J%Diff	Accept Range	Defectatimit
3enzene	ND	ND	0.0%	0 - 30%	0.9
Benzene Foluene	ND 4.0	ND 4.1	0.0% 2.5%	0 - 30% 0 - 30%	1.0
Benzene Foluene Ethylbenzene	ND 4.0 2.5	ND 4.1 2.4	0.0% 2.5% 4.0%	0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0
Duplicate Conc. (ug/kg) Benzene Toluene Ethylbenzene o,m-Xylene o-Xylene	ND 4.0	ND 4.1	0.0% 2.5%	0 - 30% 0 - 30%	0.9 1.0
Benzene Foluene Ethylbenzene o,m-Xylene	ND 4.0 2.5 5.5	ND 4.1 2.4 5.6	0.0% 2.5% 4.0% 1.8% 6.5%	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0 1.2 0.9
Benzene Foluene Ethylbenzene o,m-Xylene o-Xylene	ND 4.0 2.5 5.5 3.1	ND 4.1 2.4 5.6 2.9	0.0% 2.5% 4.0% 1.8% 6.5%	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0 1.2
Benzene Foluene Sthylbenzene Jan-Xylene Xylene Pike Conc. (ug/Kg)	ND 4.0 2.5 5.5 3.1 Sample.	ND 4.1 2.4 5.6 2.9 Amount Spiked	0.0% 2.5% 4.0% 1.8% 6.5% Spiked Sample	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0 1.2 0.9 Accept Range
Benzene foluene Sthylbenzene ,m-Xylene -Xylene pike Conc: (ug/Kg) enzene oluene	ND 4.0 2.5 5.5 3.1 Sample ND 4.0	ND 4.1 2.4 5.6 2.9 Amount Spiked 50.0 50.0	0.0% 2.5% 4.0% 1.8% 6.5% Spiked Sample 49.0 49.0	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30% %Recovery 98.0% 90.7%	0.9 1.0 1.0 1.2 0.9 Accept Range 39 - 150 46 - 148
Benzene oluene ithylbenzene ,m-Xylene -Xylene pike Conc. (ug/Kg)	ND 4.0 2.5 5.5 3.1 Sample.	ND 4.1 2.4 5.6 2.9 Amount Spiked	0.0% 2.5% 4.0% 1.8% 6.5% Spiked Sample	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0 1.2 0.9 Accept Range

ND - Parameter not detected at the stated detection limit.

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

December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 47828, 47830, 47873, 47891, 47892, 47894, 47895, 47897, and 47907.

Analyst Review



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

		·	
Client:	McElvain Oil & Gas	Project #:	06039-0017
Sample ID:	5pt. Comp.	Date Reported:	10-29-08
Laboratory Number:	47894	Date Sampled:	10-24-08
Chain of Custody No:	5634	Date Received:	10-24-08
Sample Matrix:	Soil	Date Extracted:	10-27-08
Preservative:	Cool	Date Analyzed:	10-28-08
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)	23.2	0.1
Total Petroleum Hydrocarbons	23.2	0.2

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:

Wildfire SWD

Analyst

Review



EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	10-28-08 QA/	QC	Date Reported:		10-29-08
Laboratory Number:	47828		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		10-28-08
Condition:	N/A		Analysis Request	ed:	TPH :
	ያቸው የአንድ የሚያስ ነው። የመስ ነው የሚያስ ነው።	han mesusen industria	ቀርያር ጋሂነገር መስጀመር የሚያረረ ነገር ምክክት የተመሰረ ነው የሚያር የተመሰረ	na vetronomerane	TANK AND CONTROL THE SAME :
	: l-Cal∗Date	/ J-Cal ^l RF	Chianter and a firmanta francia callebrate talk	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	1.0103E+003	1.0107E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.9348E+002	9.9387E+002	0.04%	0 - 15%
					i de
Blank Conc. (mg/L - mg/Kg)	(Library British)	• Concentration.	glatic strictly	Detection كا	it.
Gasoline Range C5 - C10		ND		0.2	
Diesel Range C10 - C28		ND		0.1	
Total Petroleum Hydrocarbons		ND		0.2	
	ind and and and and and and and and and a			Secretario de la composición della composición d	Á.
Duplicate Conc. (mg/Kg)	Sample _i	∵ Duplicate	AND AND A MINISTER OF THE PARTY	ccept Range	
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%	
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%	
	etaaniarokkainika			SORTANGARAS SIG	tudot nybodatazan/ny
Spike Conc. (mg/Kg)	Sample	Spike Added	Substitute and the resolution of the second	% Recovery.	Accept Range
Gasoline Range C5 - C10	ND	250	246	98.4%	75 - 125%
Diesel Range C10 - C28	ND	250	252	101%	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 47828, 47830, 47891, 47892, 47894, 47895, and 47897.

Analyst

Review