

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

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

30-045-11399

OPERATOR

Initial Report Final Report

Name of Company <u>Great Western Drilling Co.</u>	Contact <u>Cullen Keller</u>
Address <u>115 W Aztec Blvd. Aztec, N.M. 87410</u>	Telephone No. <u>505-320-8504</u>
Facility Name <u>J.E. Decker #3</u>	Facility Type <u>Tank Battery</u>
Surface Owner <u>Decker Ranch</u>	Mineral Owner <u>Federal</u>
Lease No. <u>NMSF078118</u>	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<u>M</u>	<u>17</u>	<u>32-N</u>	<u>11-W</u>	<u>760</u>	<u>South</u>	<u>660</u>	<u>West</u>	<u>San Juan</u>

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release <u>Water - Oil</u>	Volume of Release <u>5 BBL</u>	Volume Recovered <u>5 gal</u>
Source of Release <u>Tank leak</u>	Date and Hour of Occurrence _____	Date and Hour of Discovery <u>5-6-13</u>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <u>OCB - Johnathan</u> <u>BLM - Mark Kelly</u> <u>11:30AM</u>	
By Whom? <u>Cullen Keller</u>	Date and Hour <u>5-6-13 2:30 pm</u>	
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.*
RCVD AUG 6 '13
OIL CONS. DIV.
DIST. 3

Describe Cause of Problem and Remedial Action Taken.*
See Attached Sheet

Describe Area Affected and Cleanup Action Taken.*

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: <u>Cullen Keller</u>	OIL CONSERVATION DIVISION	
Printed Name: <u>Cullen Keller</u>	Approved by District Supervisor: <u>Jonathan D. Kelly</u>	
Title: <u>Lease Operator</u>	Approval Date: <u>8/27/2013</u>	Expiration Date: _____
E-mail Address: <u>Cullen@Walsheng.net</u>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: _____	Phone: <u>505-320-8504</u>	

* Attach Additional Sheets If Necessary

nJK 1323942954

5-6-13. Found leak, called Tripple S to set a fract tank and transfer oil out of leaking tank. Vaccumed up oil inside fire wall (5 gal.).

5-7-13. Called out a backhoe to dig test holes and ditches to find extent of leak. Moved bad tank out of the way. Piled up contaminated dirt and put a burm around it.

5-15-13. Dug out spill site. Had Envirotech on location to test soil, sent samples of walls to lab. Hauled off 7 loads of soil to IEI landfarm, hauled in 5 loads of clean dirt.

5-16-13. Hauled off 6 loads to landfarm and 6 loads of clean dirt in. A total of about 150 yards was hauled off. Shut down to wait on lab results.

6-11-13. Sprayed bottom of hole (sandstone) with Potassium Permanganate, as recommended by OCD.

6-17-13. Took a sample of sandstone off the bottom.

6-24-13. Backfilled hole and built tank pad.

A copy of Envirotechs report was e-mailed to OCD.



RCVD AUG 27 '13
OIL CONS. DIV.
DIST. 3

May 31, 2013

Project Number 99010-0014

Mr. Cullen Keller
Great Western Drilling
7415 East Main Street
Farmington, New Mexico 87401

Phone: (505) 334-7550
Fax: (505) 320-8504

RE: SPILL ASSESSMENT DOCUMENTATION FOR THE JE DECKER #3 WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Mr. Keller,

Enclosed please find the field notes and analytical results for spill assessment activities performed at the JE Decker #3 well site located in Section 17, Township 32 North, Range 11 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on May 15, 2013, a brief site assessment was conducted. Because depth to groundwater was greater than 100 feet, nearest surface water was greater than 1000 feet, and the well site was not located within a well head protection area, the regulatory standards for the site were determined to be 5000 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

At the above referenced well site, approximately five (5) to seven (7) barrels (bbls) of condensate were released from an above ground storage tank (AST) into the surrounding area. Prior to Envirotech's arrival on May 15, 2013, the AST had been moved and approximately 100 yards of contaminated soil had been excavated.

Two (2) five (5)-point composite soil samples were collected from the following locations: north wall and west wall; see enclosed *Field Notes* for sample locations. Both samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID). Both samples returned results below the regulatory standard for all constituents analyzed, except for the organic vapor on the west wall; see enclosed *Analytical Results* and *Summary of Analytical Results*. One (1) sample from the west wall was placed into a four (4)-ounce glass jar, capped head space free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for benzene and total BTEX using USEPA Method 8021. The sample returned results below the regulatory standard for benzene and total BTEX; see enclosed *Analytical Results* and *Summary of Analytical Results*.

One (1) five (5)-point composite soil sample was collected from the east wall; see enclosed **Field Notes** for sample locations. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The sample returned results below the regulatory standard for TPH, but above the regulatory standard for organic vapors; see enclosed **Analytical Results** and **Summary of Analytical Results**. One (1) sample from the east wall was placed into a four (4)-ounce glass jar, capped head space free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for benzene and total BTEX using USEPA Method 8021. The sample returned results below the regulatory standard for benzene and total BTEX; see enclosed **Analytical Results** and **Summary of Analytical Results**.

Great Western Drilling representative, Cullen Keller, instructed further excavation to be conducted. Two (2) additional feet of soil from the northeast corner were removed. Per request of Cullen Keller, one (1) five (5)-point composite soil sample was then collected from the northeast corner of the excavation; see enclosed **Field Notes** for sample location. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapor using a PID. The sample returned results below the regulatory standard for TPH but above the regulatory standard for organic vapors; see enclosed **Analytical Results** and **Summary of Analytical Results**.

To delineate the extent of the contamination east of the main excavation, a small test hole was excavated to the east of the main excavation. The test hole measured approximate dimensions of three (3) feet by five (5) feet by four (4) feet below ground surface (BGS). One (1) grab sample was collected from the bottom of the test hole; see enclosed **Field Notes** for sample location. The sample was analyzed in the field for organic vapor using a PID. The sample returned a result below the regulatory standard for organic vapor; see enclosed **Field Notes**.

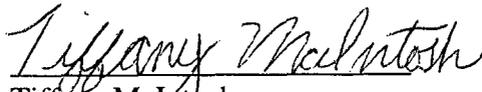
One (1) five (5)-point composite soil sample was collected from the south wall; see enclosed **Field Notes** for sample locations. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The sample returned results below the regulatory standard for TPH, but above the regulatory standard for organic vapors; see enclosed **Analytical Results** and **Summary of Analytical Results**. Two (2) additional feet of soil from the south wall were removed. One (1) five (5)-point composite soil sample was collected from the south wall; see enclosed **Field Notes** for sample location. The sample was analyzed in the field for organic vapor using a PID. The sample returned results above the regulatory standard for organic vapors; see enclosed **Field Notes**. Two (2) additional feet of soil from the south wall were removed. One (1) five (5)-point composite soil sample was collected from the south wall; see enclosed **Field Notes** for sample location. The sample was analyzed in the field for organic vapor using a PID. The sample returned results above the regulatory standard for organic vapors; see enclosed **Field Notes**. The south wall composite sample was placed into a four (4)-ounce glass jar, capped head space free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for benzene and total BTEX using USEPA Method 8021. The sample returned results below the regulatory standard for benzene and total BTEX; see enclosed **Analytical Results** and **Summary of Analytical Results**.

The bottom of the excavation was divided into two (2) sections, the west section and the east section. One (1) five (5)-point composite soil sample was collected from the bottom of each of the two (2) sections, one (1) sample from the west section and one (1) sample from the east section. The west bottom composite sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The west bottom composite sample returned results below the regulatory standard for TPH but above the regulatory standard for organic vapor; see enclosed *Analytical Results* and *Summary of Analytical Results*. Two (2) samples, one (1) sample from the west bottom section and one (1) sample from the east bottom section were placed into four (4)-ounce glass jars, capped head space free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015 and benzene and total BTEX using USEPA Method 8021. Both samples returned results below the regulatory standard for TPH and benzene but above the regulatory standard for BTEX; see enclosed *Analytical Results* and *Summary of Analytical Results*.

Because the bottom of the excavation has reached maximum extents due to sandstone, Envirotech recommends spraying potassium permanganate onto the bottom of the excavation. The final excavation measured approximately 42 feet by 25 feet by four (4) feet BGS.

We appreciate the opportunity to be of service. If you have questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.



Tiffany McIntosh
Staff Scientist
tmcintosh@envirotech-inc.com

Enclosure(s): Summary of Analytical Results
Analytical Results
Field Notes

Cc: Client File 99010

Table 1, Summary of Analytical Results
 Great Western
 JE Decker #3
 Spill Assessment Report
 San Juan County, New Mexico
 Project Number 99010-0014

Sample Description	Sample Number	Date	TPH 418.1 (ppm)	TPH USEPA Method 8015 (ppm)	Benzene USEPA Method 8021 (ppm)	BTEX USEPA Method 8021 (ppm)	OVM (ppm)
NMOCB/RCRA Standards	NA	NA	5000	5000	10	50	100
South Wall Composite	1	5/15/2013	444	NS	ND	5.86	660
North Wall Composite	2	5/15/2013	64	NS	NS	NS	40.2
West Wall Composite	3	5/15/2013	216	NS	0.0548	9.73	665
West Bottom Composite	4	5/15/2013	1040	754	0.264	115	458
East Wall Composite	5	5/15/2013	2960	NS	ND	26.7	456
Northeast Corner Composite	6	5/15/2013	2530	NS	NS	NS	508
East Bottom Composite	7	5/15/2013	NS	892	0.423	115	NS

NS = Not Sampled

ND = Non-Detect at Stated Method's Detection Limit

* Values in **BOLD** above regulatory standards



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: Great Western Drilling Project #: 99010-0014
Sample No.: 1 Date Reported: 5/17/2013
Sample ID: South Wall Composite Date Sampled: 5/15/2013
Sample Matrix: Soil Date Analyzed: 5/15/2013
Preservative: Cool Analysis Needed: TPH-418.1
Condition: Cool and Intact

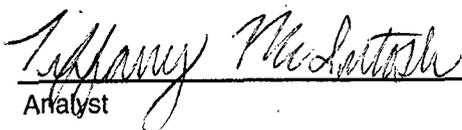
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	444	5.0

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: JE Decker #3

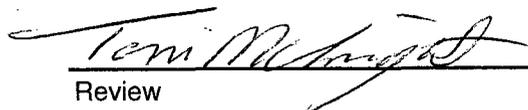
Instrument calibrated to 200 ppm standard and zeroed before each sample.



Analyst

Tiffany McIntosh

Printed



Review

Toni McKnight, EIT

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Client:	Great Western Drilling	Project #:	99010-0014
Sample No.:	2	Date Reported:	5/17/2013
Sample ID:	North Wall Composite	Date Sampled:	5/15/2013
Sample Matrix:	Soil	Date Analyzed:	5/15/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

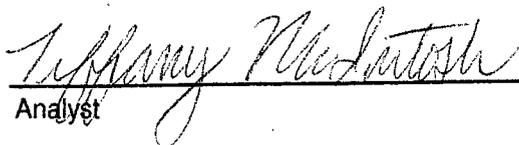
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	64	5.0

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: **JE Decker #3**

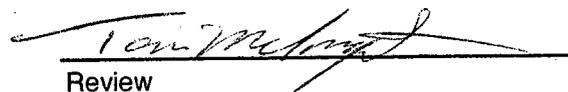
Instrument calibrated to 200 ppm standard and zeroed before each sample.



Analyst

Tiffany McIntosh

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Review

Toni McKnight, EIT

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Client:	Great Western Drilling	Project #:	99010-0014
Sample No.:	3	Date Reported:	5/17/2013
Sample ID:	West Wall Composite	Date Sampled:	5/15/2013
Sample Matrix:	Soil	Date Analyzed:	5/15/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

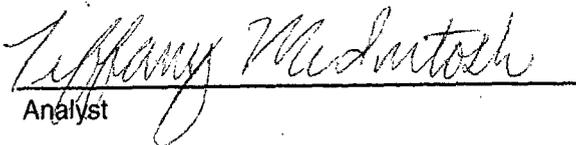
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	216	5.0

ND = Parameter not detected at the stated detection limit.

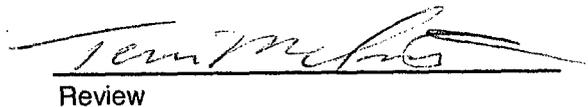
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **JE Decker #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
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Review

Toni McKnight, EIT
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Client:	Great Western Drilling	Project #:	99010-0014
Sample No.:	4	Date Reported:	5/17/2013
Sample ID:	West Bottom Composite	Date Sampled:	5/15/2013
Sample Matrix:	Soil	Date Analyzed:	5/15/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,040	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: **JE Decker #3**

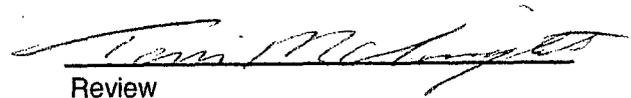
Instrument calibrated to 200 ppm standard and zeroed before each sample.



Analyst

Tiffany McIntosh

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Review

Toni McKnight, EIT

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: Great Western Drilling Project #: 99010-0014
Sample No.: 5 Date Reported: 5/17/2013
Sample ID: East Wall Composite Date Sampled: 5/15/2013
Sample Matrix: Soil Date Analyzed: 5/15/2013
Preservative: Cool Analysis Needed: TPH-418.1
Condition: Cool and Intact

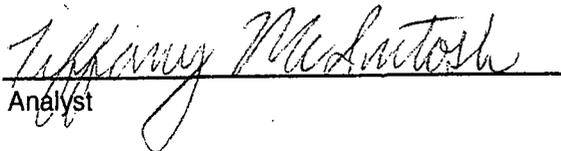
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	2,960	5.0

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: **JE Decker #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.



Analyst

Tiffany McIntosh

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Review

Toni McKnight, EIT

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Client:	Great Western Drilling	Project #:	99010-0014
Sample No.:	6	Date Reported:	5/17/2013
Sample ID:	Northeast Corner Composite	Date Sampled:	5/15/2013
Sample Matrix:	Soil	Date Analyzed:	5/15/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

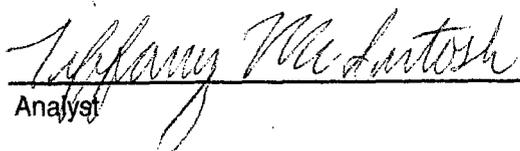
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	2,530	5.0

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: **JE Decker #3**

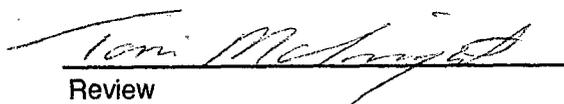
Instrument calibrated to 200 ppm standard and zeroed before each sample.



Analyst

Tiffany McIntosh

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 15-May-13

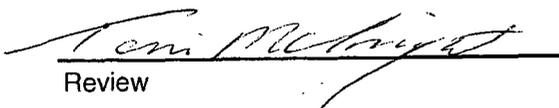
Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	203
	500	451
	1000	

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


Analyst

5/17/2013
Date

Tiffany McIntosh
Print Name


Review

5/17/2013
Date

Toni McKnight, EIT
Print Name





Analytical Report

Report Summary

Client: Great Western Drilling
Chain Of Custody Number: 15515
Samples Received: 5/15/2013 3:16:00PM
Job Number: 99010-0014
Work Order: P305047
Project Name/Location: JE Decker #3 Soil
Sampling

Entire Report Reviewed By:

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

Date: 5/17/13

Tim Cain, Laboratory Manager

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.





Great Western Drilling 7415 E. Main St. Farmington NM, 87401	Project Name: JE Decker #3 Soil Sampling Project Number: 99010-0014 Project Manager: Tiffany McIntosh	Reported: 17-May-13 10:02
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Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
West Wall Composite	P305047-01A	Soil	05/15/13	05/15/13	Glass Jar, 4 oz.
South Wall Composite	P305047-02A	Soil	05/15/13	05/15/13	Glass Jar, 4 oz.
East Wall Composite	P305047-03A	Soil	05/15/13	05/15/13	Glass Jar, 4 oz.
West Bottom Composite	P305047-04A	Soil	05/15/13	05/15/13	Glass Jar, 4 oz.
East Bottom Composite	P305047-05A	Soil	05/15/13	05/15/13	Glass Jar, 4 oz.

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5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



Great Western Drilling 7415 E. Main St. Farmington NM, 87401	Project Name: JE Decker #3 Soil Sampling Project Number: 99010-0014 Project Manager: Tiffany McIntosh	Reported: 17-May-13 10:02
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**West Wall Composite
P305047-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
Volatile Organics by EPA 8021									
Benzene	54.8	49.8	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Toluene	1000	49.8	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Ethylbenzene	541	49.8	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
p,m-Xylene	6780	49.8	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
o-Xylene	1340	49.8	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Total BTEX	9730	49.8	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Surrogate: Bromochlorobenzene		107 %		80-120	1320024	15-May-13	16-May-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.2 %		80-120	1320024	15-May-13	16-May-13	EPA 8021B	
Surrogate: Fluorobenzene		105 %		80-120	1320024	15-May-13	16-May-13	EPA 8021B	

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Great Western Drilling 7415 E. Main St. Farmington NM, 87401	Project Name: JE Decker #3 Soil Sampling Project Number: 99010-0014 Project Manager: Tiffany McIntosh	Reported: 17-May-13 10:02
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**South Wall Composite
P305047-02 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	49.9		ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Toluene	250	49.9		ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Ethylbenzene	483	49.9		ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
p,m-Xylene	4380	49.9		ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
o-Xylene	750	49.9		ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Total BTEX	5860	49.9		ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		<i>102 %</i>		<i>80-120</i>		<i>1320024</i>	<i>15-May-13</i>	<i>16-May-13</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>96.4 %</i>		<i>80-120</i>		<i>1320024</i>	<i>15-May-13</i>	<i>16-May-13</i>	<i>EPA 8021B</i>	
<i>Surrogate: Fluorobenzene</i>		<i>95.6 %</i>		<i>80-120</i>		<i>1320024</i>	<i>15-May-13</i>	<i>16-May-13</i>	<i>EPA 8021B</i>	

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5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

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Great Western Drilling 7415 E. Main St. Farmington NM, 87401	Project Name: JE Decker #3 Soil Sampling Project Number: 99010-0014 Project Manager: Tiffany McIntosh	Reported: 17-May-13 10:02
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**East Wall Composite
P305047-03 (Solid)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Limit	Units							
Volatile Organics by EPA 8021										
Benzene	ND	50.0	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B		
Toluene	466	50.0	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B		
Ethylbenzene	897	50.0	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B		
p,m-Xylene	20100	50.0	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B		
o-Xylene	5260	50.0	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B		
Total BTEX	26700	50.0	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B		
<i>Surrogate: Bromochlorobenzene</i>		<i>101 %</i>	<i>80-120</i>		<i>1320024</i>	<i>15-May-13</i>	<i>16-May-13</i>	<i>EPA 8021B</i>		
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>98.6 %</i>	<i>80-120</i>		<i>1320024</i>	<i>15-May-13</i>	<i>16-May-13</i>	<i>EPA 8021B</i>		
<i>Surrogate: Fluorobenzene</i>		<i>98.6 %</i>	<i>80-120</i>		<i>1320024</i>	<i>15-May-13</i>	<i>16-May-13</i>	<i>EPA 8021B</i>		

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Great Western Drilling
7415 E. Main St.
Farmington NM, 87401

Project Name: JE Decker #3 Soil Sampling
Project Number: 99010-0014
Project Manager: Tiffany McIntosh

Reported:
17-May-13 10:02

West Bottom Composite
P305047-04 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	264	49.8	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Toluene	9330	49.8	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Ethylbenzene	6380	49.8	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
p,m-Xylene	79400	49.8	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
o-Xylene	19300	49.8	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Total BTEX	115000	49.8	ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		<i>106 %</i>	<i>80-120</i>		<i>1320024</i>	<i>15-May-13</i>	<i>16-May-13</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>94.9 %</i>	<i>80-120</i>		<i>1320024</i>	<i>15-May-13</i>	<i>16-May-13</i>	<i>EPA 8021B</i>	
<i>Surrogate: Fluorobenzene</i>		<i>100 %</i>	<i>80-120</i>		<i>1320024</i>	<i>15-May-13</i>	<i>16-May-13</i>	<i>EPA 8021B</i>	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	561	4.99	mg/kg	1	1320023	15-May-13	16-May-13	EPA 8015D	
Diesel Range Organics (C10-C28)	193	4.99	mg/kg	1	1320023	15-May-13	16-May-13	EPA 8015D	
GRO and DRO Combined Fractions	754	4.99	mg/kg	1	1320023	15-May-13	16-May-13	EPA 8015D	

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Great Western Drilling 7415 E. Main St. Farmington NM, 87401	Project Name: JE Decker #3 Soil Sampling Project Number: 99010-0014 Project Manager: Tiffany McIntosh	Reported: 17-May-13 10:02
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**East Bottom Composite
P305047-05 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	423	49.9		ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Toluene	11500	49.9		ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Ethylbenzene	6290	49.9		ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
p,m-Xylene	78400	49.9		ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
o-Xylene	18000	49.9		ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
Total BTEX	115000	49.9		ug/kg	1	1320024	15-May-13	16-May-13	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		<i>98.3 %</i>		<i>80-120</i>		<i>1320024</i>	<i>15-May-13</i>	<i>16-May-13</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>92.4 %</i>		<i>80-120</i>		<i>1320024</i>	<i>15-May-13</i>	<i>16-May-13</i>	<i>EPA 8021B</i>	
<i>Surrogate: Fluorobenzene</i>		<i>93.9 %</i>		<i>80-120</i>		<i>1320024</i>	<i>15-May-13</i>	<i>16-May-13</i>	<i>EPA 8021B</i>	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	617	4.99		mg/kg	1	1320023	15-May-13	16-May-13	EPA 8015D	
Diesel Range Organics (C10-C28)	275	4.99		mg/kg	1	1320023	15-May-13	16-May-13	EPA 8015D	
GRO and DRO Combined Fractions	892	4.99		mg/kg	1	1320023	15-May-13	16-May-13	EPA 8015D	

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Great Western Drilling 7415 E. Main St. Farmington NM, 87401	Project Name: JE Decker #3 Soil Sampling Project Number: 99010-0014 Project Manager: Tiffany McIntosh	Reported: 17-May-13 10:02
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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 1320024 - Purge and Trap EPA 5030A

Blank (1320024-BLK1)			Prepared: 15-May-13 Analyzed: 16-May-13							
Benzene	ND	49.9	ug/kg							
Toluene	ND	49.9	"							
Ethylbenzene	ND	49.9	"							
p,m-Xylene	ND	49.9	"							
o-Xylene	ND	49.9	"							
Total BTEX	ND	49.9	"							
Surrogate: Bromochlorobenzene	48.3		ug/L	50.0		96.5	80-120			
Surrogate: 1,4-Difluorobenzene	51.8		"	50.0		104	80-120			
Surrogate: Fluorobenzene	50.6		"	50.0		101	80-120			

Duplicate (1320024-DUP1)			Source: P305047-01 Prepared: 15-May-13 Analyzed: 16-May-13							
Benzene	51.9	49.9	ug/kg		54.8			5.46	30	
Toluene	953	49.9	"		1000			5.23	30	
Ethylbenzene	559	49.9	"		541			3.40	30	
p,m-Xylene	6870	49.9	"		6780			1.20	30	
o-Xylene	1370	49.9	"		1340			2.44	30	
Surrogate: Bromochlorobenzene	54.8		ug/L	50.0		110	80-120			
Surrogate: 1,4-Difluorobenzene	50.2		"	50.0		100	80-120			
Surrogate: Fluorobenzene	51.6		"	50.0		103	80-120			

Matrix Spike (1320024-MS1)			Source: P305047-01 Prepared: 15-May-13 Analyzed: 16-May-13							
Benzene	53.6		ug/L	50.0	1.10	105	39-150			
Toluene	77.4		"	50.0	20.1	115	46-148			
Ethylbenzene	62.4		"	50.0	10.8	103	32-160			
p,m-Xylene	204		"	100	136	68.8	46-148			
o-Xylene	75.7		"	50.0	26.8	97.8	46-148			
Surrogate: Bromochlorobenzene	53.2		"	50.0		106	80-120			
Surrogate: 1,4-Difluorobenzene	49.6		"	50.0		99.1	80-120			
Surrogate: Fluorobenzene	53.7		"	50.0		107	80-120			

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Great Western Drilling 7415 E. Main St. Farmington NM, 87401	Project Name: JE Decker #3 Soil Sampling Project Number: 99010-0014 Project Manager: Tiffany McIntosh	Reported: 17-May-13 10:02
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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 1320023 - GRO/DRO Extraction EPA 3550C

Blank (1320023-BLK1) Prepared: 15-May-13 Analyzed: 16-May-13

Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg							
Diesel Range Organics (C10-C28)	ND	4.98	"							
GRO and DRO Combined Fractions	ND	4.98	"							

Duplicate (1320023-DUP1) Prepared: 15-May-13 Analyzed: 16-May-13
Source: P305047-04

Gasoline Range Organics (C6-C10)	547	4.99	mg/kg		561			2.54	30	
Diesel Range Organics (C10-C28)	172	4.99	"		193			11.1	30	

Matrix Spike (1320023-MS1) Prepared: 15-May-13 Analyzed: 16-May-13
Source: P305047-04

Gasoline Range Organics (C6-C10)	863	5.26	mg/kg	263	561	115	75-125			
Diesel Range Organics (C10-C28)	459	5.26	"	263	193	101	75-125			

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Great Western Drilling 7415 E. Main St. Farmington NM, 87401	Project Name: JE Decker #3 Soil Sampling Project Number: 99010-0014 Project Manager: Tiffany McIntosh	Reported: 17-May-13 10:02
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Notes and Definitions

- 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

15515

Page 1 of 1

Client: Great Western	Project Name / Location: JE Decker #3 soil sampling	ANALYSIS / PARAMETERS															
Email results to: T. McIntosh	Sampler Name: T. McIntosh	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.:																
	99010-0014																

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HNO ₃	HCl	COCl												
West wall composite	5/15/13	1315	P305047-01	1-4oz jar			X		X									Y	Y
south wall composite		1320	P305047-02																
east wall composite		1325	P305047-03																
west bottom composite		1330	P305047-04					X											
east bottom composite		1335	P305047-05																

Relinquished by: (Signature) <i>Tiffany McIntosh</i>	Date 5/15/13	Time 1515	Received by: (Signature) <i>Aene Ozajzic</i>	Date 5/15/13	Time 1516
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"/>					

Sample(s) dropped off after hours to secure drop off area.



envirotech
Analytical Laboratory

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5000 ppm TPH

Client: *Great Western Drilling*



Project No: 99010-0014
COC No: 15515

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 2
DATE STARTED: 5/15/13
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: T. McIntosh

LOCATION: NAME: JE Decker WELL #: 3
QUAD/UNIT: N/A SEC: 17 TWP: 32N RNG: 11W PM: CNTY: SJ ST: NM
QTR/FOOTAGE: N/A CONTRACTOR: N/A

EXCAVATION APPROX: 42 FT. X 25 FT. X 4 FT. DEEP CUBIC YARDAGE: N/A
DISPOSAL FACILITY: E.I. landfarm on crouch mesa REMEDIATION METHOD: excavation
LAND USE: oil & gas LEASE: N/A LAND OWNER: N/A
CAUSE OF RELEASE: AST leak MATERIAL RELEASED: condensate

SPILL LOCATED APPROXIMATELY: 58 FT. 290° FROM well head
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: NO NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

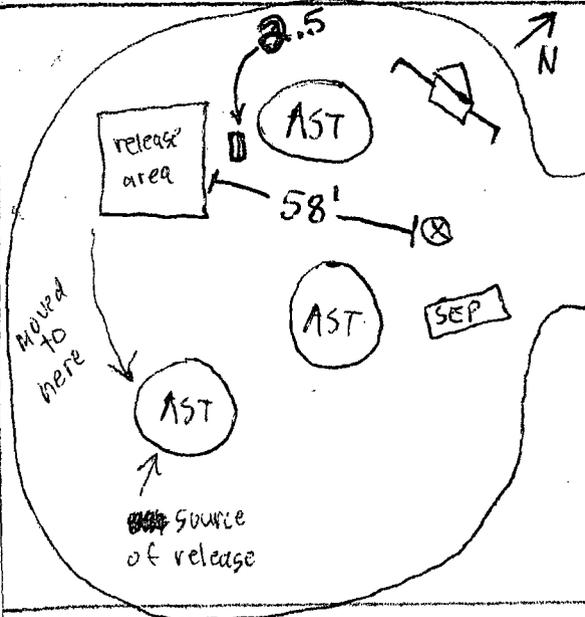
SOIL AND EXCAVATION DESCRIPTION:
E.I. landfarm on crouch mesa (disposal) 5-7 barrels of condensate released
Sandstone on bottom.

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	ml FREON	DILUTION	READING	CALC. ppm
500 Std	9:20						451	
South wall composite	9:51	1		5	20	4	111	444
North wall composite	10:26	2		5	20	4	16	64
West wall composite	11:05	3		5	20	4	54	216
West bottom composite	11:50	4		5	20	4	259	1036
East wall composite	12:15	5		5	20	4	741	2964
200 Std	12:30						203	

SPILL PERIMETER

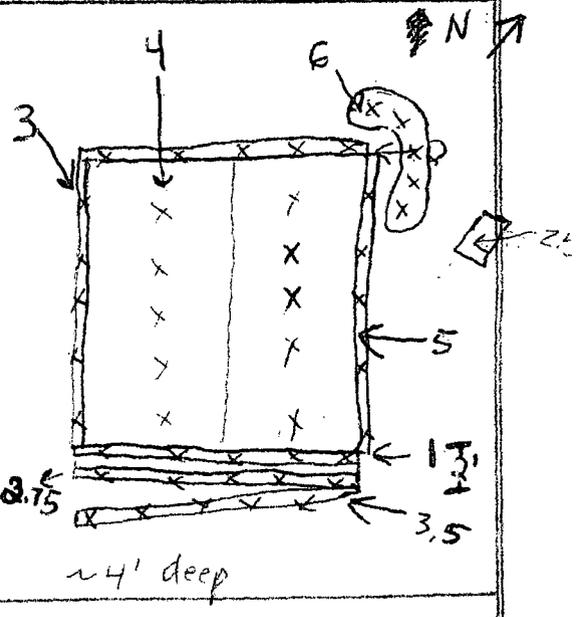
OVM RESULTS

SPILL PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	660
2	40.2
2.5	89.0
2.75	691
3	665
3.5	529
4	458
5	456

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
W wall	8021	1315
S wall	8021	1320
E wall	8021	1325
w bottom	8015, 8021	1330
E bottom	8015, 8021	1335



TRAVEL NOTES: _____ CALLED OUT: _____ ONSITE: _____



RCVD AUG 27 '13
OIL CONS. DIV.
DIST. 3

August 14, 2013

Project Number 99010-0015

Mr. Cullen Keller
Great Western Drilling
7415 East Main Street
Farmington, New Mexico 87401

Phone: (505) 334-7550
Fax: (505) 320-8504

RE: CONFIRMATION SAMPLING DOCUMENTATION FOR THE JE DECKER #3 WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Mr. Keller,

Enclosed please find the field notes and analytical results for confirmation sampling activities performed at the JE Decker #3 well site located in Section 17, Township 32 North, Range 11 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on June 17, 2013, a brief site assessment was conducted. Because depth to groundwater was greater than 100 feet, nearest surface water was greater than 1000 feet, and the well site was not located within a well head protection area, the regulatory standards for the site were determined to be 5000 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

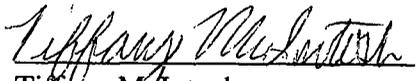
Prior to Envirotech personnel's arrival on June 17, 2013, the excavation at the above referenced well site was sprayed with potassium permanganate, as per the recommendations in the Spill Assessment Documentation submitted to Great Western Drilling on May 31, 2013. The excavation was divided into two (2) sections: the West section and the East Section; see enclosed *Field Notes* for locations. Two (2) five (5)-point composite soil samples were collected. One (1) sample was collected from the West bottom and one (1) sample was collected from the East bottom. Both samples were analyzed in the field for organic vapors (OV) using a photoionization detector (PID). The West bottom sample returned a result of 56.4 ppm OV and the East bottom sample returned a result of 103 ppm OV. The East bottom sample returned a result above the 100 ppm regulatory standard for organic vapor; see enclosed *Field Notes* and *Summary of Analytical Results*.

Both samples were placed into four (4)-ounce glass jars, capped head space free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for benzene and total BTEX using USEPA Method 8021. Both samples returned results below the regulatory standard for benzene and total BTEX; see enclosed *Analytical Results* and *Summary of Analytical Results*.

Envirotech, Inc. recommends no further action in regards to this project.

We appreciate the opportunity to be of service. If you have questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.


Tiffany McIntosh
Staff Scientist
tmcintosh@envirotech-inc.com

Enclosure(s): Field Notes
Summary of Analytical Results
Analytical Results

Cc: Client File 99010

Table 1, Summary of Analytical Results
 Great Western Drilling
 JE Decker #3
 Confirmation Sampling Report
 San Juan County, New Mexico
 Project Number 99010-0015

Sample Description	Sample Number	Date	OVM	Benzene USEPA Method 8021 (ppm)	BTEX USEPA Method 8021 (ppm)
NMOCB/RCRA Standards	NA	NA	100	10	50
West Bottom Composite	1	6/17/2013	56.4	ND	2.46
East Bottom Composite	2	6/17/2013	103	ND	0.98

NS = Not Sampled

ND = Non-Detect at Stated Method's Detection Limit

* Values in **BOLD** above regulatory standards

Analytical Report

Report Summary

Client: Great Western Drilling
Chain Of Custody Number: 15682
Samples Received: 6/17/2013 11:15:00AM
Job Number: 99010-0015
Work Order: P306078
Project Name/Location: JE Decker #3

Entire Report Reviewed By:



Date: 6/23/13

Tim Cain, Laboratory Manager

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.

Great Western Drilling 7415 E. Main St. Farmington NM, 87401	Project Name: JE Decker #3 Project Number: 99010-0015 Project Manager: Tiffany McIntosh	Reported: 23-Jun-13 18:30
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Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
West Bottom Composite	P306078-01A	Soil	06/17/13	06/17/13	Glass Jar, 10 oz.
East Bottom Composite	P306078-02A	Soil	06/17/13	06/17/13	Glass Jar, 10 oz.

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Great Western Drilling
7415 E. Main St.
Farmington NM, 87401

Project Name: JE Decker #3
Project Number: 99010-0015
Project Manager: Tiffany McIntosh

Reported:
23-Jun-13 18:30

West Bottom Composite
P306078-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
Toluene	0.09	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
Ethylbenzene	0.08	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
p,m-Xylene	1.90	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
o-Xylene	0.38	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
Total Xylenes	2.28	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
Total BTEX	2.46	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>			99.2 %			80-120	1325007	17-Jun-13	23-Jun-13	EPA 8021B
<i>Surrogate: 1,4-Difluorobenzene</i>			107 %			80-120	1325007	17-Jun-13	23-Jun-13	EPA 8021B
<i>Surrogate: Fluorobenzene</i>			108 %			80-120	1325007	17-Jun-13	23-Jun-13	EPA 8021B

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Great Western Drilling
7415 E. Main St.
Farmington NM, 87401

Project Name: JE Decker #3
Project Number: 99010-0015
Project Manager: Tiffany McIntosh

Reported:
23-Jun-13 18:30

East Bottom Composite
P306078-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
Toluene	0.07	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
Ethylbenzene	ND	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
p,m-Xylene	0.73	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
o-Xylene	0.17	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
Total Xylenes	0.90	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
Total BTEX	0.98	0.05		mg/kg	1	1325007	17-Jun-13	23-Jun-13	EPA 8021B	
Surrogate: Bromochlorobenzene		93.2 %				80-120	1325007	17-Jun-13	23-Jun-13	EPA 8021B
Surrogate: 1,4-Difluorobenzene		101 %				80-120	1325007	17-Jun-13	23-Jun-13	EPA 8021B
Surrogate: Fluorobenzene		109 %				80-120	1325007	17-Jun-13	23-Jun-13	EPA 8021B

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Great Western Drilling 7415 E. Main St. Farmington NM, 87401	Project Name: JE Decker #3 Project Number: 99010-0015 Project Manager: Tiffany McIntosh	Reported: 23-Jun-13 18:30
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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 1325007 - Purge and Trap EPA 5030A

Blank (1325007-BLK1)			Prepared: 17-Jun-13 Analyzed: 23-Jun-13							
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: Bromochlorobenzene	54.5		ug/L	50.0		109	80-120			
Surrogate: 1,4-Difluorobenzene	50.8		"	50.0		102	80-120			
Surrogate: Fluorobenzene	51.0		"	50.0		102	80-120			

Duplicate (1325007-DUP1)			Source: P306067-01		Prepared: 17-Jun-13 Analyzed: 23-Jun-13					
Benzene	ND	0.05	mg/kg		ND					30
Toluene	ND	0.05	"		ND					30
Ethylbenzene	ND	0.05	"		ND					30
p,m-Xylene	ND	0.05	"		ND					30
o-Xylene	ND	0.05	"		ND					30
Surrogate: Bromochlorobenzene	48.3		ug/L	50.0		96.6	80-120			
Surrogate: 1,4-Difluorobenzene	51.5		"	50.0		103	80-120			
Surrogate: Fluorobenzene	53.8		"	50.0		108	80-120			

Matrix Spike (1325007-MS1)			Source: P306067-01		Prepared: 17-Jun-13 Analyzed: 23-Jun-13					
Benzene	0.05	0.001	mg/kg	0.0498	ND	108	39-150			
Toluene	0.05	0.001	"	0.0498	ND	99.0	46-148			
Ethylbenzene	0.05	0.001	"	0.0498	ND	95.6	32-160			
p,m-Xylene	0.10	0.001	"	0.0997	ND	100	46-148			
o-Xylene	0.05	0.001	"	0.0498	ND	97.6	46-148			
Surrogate: Bromochlorobenzene	49.1		ug/L	50.0		98.2	80-120			
Surrogate: 1,4-Difluorobenzene	54.9		"	50.0		110	80-120			
Surrogate: Fluorobenzene	56.0		"	50.0		112	80-120			

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5796 US Highway 64, Farmington, NM 87401

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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



Great Western Drilling 7415 E. Main St. Farmington NM, 87401	Project Name: JE Decker #3 Project Number: 99010-0015 Project Manager: Tiffany McIntosh	Reported: 23-Jun-13 18:30
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Notes and Definitions

- 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

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Client: <i>Great Western Drilling</i>	Project Name / Location: <i>JE Decker #3</i>	ANALYSIS / PARAMETERS											
Email results to: <i>T. McIntosh</i>	Sampler Name: <i>T. McIntosh</i>	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.: <i>99010-0015</i>												

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	Cool												
<i>West Bottom Composite</i>	<i>6/17/13</i>	<i>9:40</i>	<i>P306078-01</i>	<i>1-4oz jar</i>			<i>X</i>	<i>X</i>										<i>✓</i>	<i>✓</i>
<i>East Bottom Composite</i>	<i>6/17/13</i>	<i>9:45</i>	<i>P306078-02</i>	<i>1-4oz jar</i>			<i>X</i>	<i>X</i>										<i>✓</i>	<i>✓</i>

Relinquished by: (Signature) <i>Lafamy McIntosh</i>	Date <i>6/17/13</i>	Time <i>1115</i>	Received by: (Signature) <i>[Signature]</i>	Date <i>6/17/13</i>	Time <i>1115</i>
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix
 Soil Solid Sludge Aqueous Other

Sample(s) dropped off after hours to secure drop off area.

