OIL CONS. DIV DIST. 3

JAN 21 2016

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 August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Burlington Resources Oil &Gas Co.	Contact **Bobby Spearman**
Address 3401 East 30th St, Farmington, NM	Telephone No.(505)-320-3045
Facility Name: Federal B-1	Facility Type: Gas Well

Surface Owner: Federal	Mineral Owner: Federal	API No. 30045089230

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	**31**	**30N**	**11W**	**790**	**South**	**1850**	**West**	**San Juan**

Latitude36.77426 _Longitude -108.0425

NATURE OF RELEASE

Type of Release Historic	Volume of Release unknown	Volume Recovered 554 yds
Source of Release Unknown. Discovered during P&A activities	Date and Hour of Occurrence **11-6-2009**	Date and Hour of Discovery **Same**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Several different areas of historic contamination were found during P&A activities, Spill assessment, sampling and remediation took place.

Describe Area Affected and Cleanup Action Taken.*

Historical hydrocarbon impacted soil was found during P&A activities for the subject well. Excavation #1 was 51' x 30' x 7' in depth, Excavation #2 was 15'x15'x3'in depth and Excavation # 3 was 15'x 15'x 16' depth 554 yds of soil was transported to IEI land farm. Analytical results were below the regulatory standards – no further action required. The soil sampling report is attached for review.

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: R Spearman	OIL CONSERVATION DIVISION
Printed Name: **Bobby Spearman**	Approved by Environmental Specialist:
Title: **Field Environmental Specialist**	Approval Date: 02/10/2016 Expiration Date:
E-mail Address: **Robert.E.Spearman**@conocophillips.com	Conditions of Approval: Attached ☐
Date: 1/16/2016 Phone: (505) 320-3045	

* Attach Additional Sheets If Necessary

NUF1604128680

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CONFIRMATION SAMPLING REPORT

LOCATED AT:

BURLINGTON RESOURCES
FEDERAL B #1
SECTION 31, TOWNSHIP 30N, RANGE 11W
SAN JUAN COUNTY, NEW MEXICO

PREPARED FOR:

CONOCOPHILLIPS
MS. KELSI GURVITZ
3401 EAST 30TH STREET
FARMINGTON, NEW MEXICO 87401

PROJECT NO. 92115-1127
NOVEMBER 2009

5796 U.S. Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 envirotech-inc.com

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January 7, 2010 Project No.92115-1127

Ms. Kelsi Gurvitz
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone. (505) 320-2461
Fax (505) 599-4005

RE: CONFIRMATION SAMPLING REPORT FOR THE FEDERAL B #1 WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Gurvitz,

Enclosed please find the report entitled *Confirmation Sampling Report* detailing spill assessment and confirmation sampling activities at the Burlington Resources Federal B #1 well site located in Section 31, Township 30N, Range 11W, San Juan County, New Mexico.

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

Respectfully Submitted,
ENVIROTECH, INC.

James McDaniel
Project Scientist
jmcdaniel@envirotech-inc.com

Enclosures: One (1) Report

Cc: Client File No. 92115

CONOCOPHILLIPS
CONFIRMATION SAMPLING REPORT
LOCATED AT
BURLINGTON RESOURCES
FEDERAL B #1
SECTION 31, TOWNSHIP 30N, RANGE 11W
SAN JUAN COUNTY, NEW MEXICO

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INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by ConocoPhillips to provide spill assessment and confirmation sampling activities for historical releases at the Burlington Resources Federal B #1 well site located in Section 31, Township 30N, Range 11W, San Juan County, New Mexico; see ***Figure 1, Vicinity Map***. Several different areas of historical contamination were discovered during plugging and abandoning activities being performed on this site. Spill assessment and confirmation sampling activities included the sample collection and analysis, documentation and reporting.

ACTIVITIES PERFORMED

On October 16, 2009 Envirotech, Inc. was contacted with a request to perform an assessment for a suspected earthen pit at the above mentioned location. Upon arrival a brief site assessment was performed, and the site was ranked a 20 according to the New Mexico Oil Conservation Division (NMOCD) Guidelines for the Remediation of Leaks, Spills and Releases. This was due to a wash at less than 200 feet from the well site. This set the closure standard to 100 ppm total petroleum hydrocarbons (TPH) and 100 ppm organic vapors (OV) A test hole was hand augured in the center of the suspected former earthen pit that appeared to be approximately 15' x 14'. This suspected earthen pit was located in the south-west corner of the well pad, labeled on the site map as excavation #2; see enclosed ***Figure 2, Site Map***. Samples were collected from three (3) feet below ground surface (BGS), five (5) feet BGS, eight (8) feet BGS, and ten (10) feet BGS and analyzed for OV using a Photo Ionization Detector (PID). Each of the samples collected returned results above the 100 ppm OV standard; see enclosed ***Table 1, Analytical Results.*** The samples collected from eight (8) feet BGS and ten (10) feet BGS were also analyzed in the field for TPH using USEPA Method 418.1. Both samples returned results above the 100 ppm TPH standard for this site at 2,410 ppm and 8,720 ppm; see enclosed ***Appendix A, Analytical Results*** and ***Table 1, Analytical Results***. The sample collected at 10' BGS was then collected into a four (4)-ounce glass jar, capped headspace free, and transported with ice under chain of custody to Envirotech's laboratory and analyzed for Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) via USEPA Method 8015 and benzene, toluene, ethyl-benzene, and total xylenes (BTEX) via USEPA Method 8021. The sample returned results above the 100 ppm DRO/GRO standard but below the 10 ppm benzene and the 50 ppm BTEX standards determined for this site; see enclosed ***Analytical Results***. Four (4) additional samples were collected to determine the extent of the contamination. Four (4) test holes were hand augured to a depth of five (5) feet BGS, approximately five (5) feet from the fencing around the suspected former earthen pit to the north, south, east and west. Each of the samples collected were analyzed in the field for OV using a PID. All samples were non-detect for organic vapors; see enclosed ***Field Notes***. A composite sample of the four (4) test holes was then analyzed in the field for TPH using USEPA Method 418.1. This sample returned results below the 100 ppm TPH standard for this site. Envirotech, Inc. recommended to Ms. Kelsi Gurvitz, ConocoPhillips, that the former earthen pit be excavated and re-sampled at a later date.

On November 3, 2009, an Envirotech, Inc. scientist returned to the site to perform confirmation sampling activities. During the plugging and abandoning activities, two (2) additional contamination areas were identified. These areas are labeled on the map as Excavation #1, Excavation #2 and Excavation #3; see enclosed ***Figure 2, Site Map***. Prior to Envirotech's arrival, Excavation #1 had been excavated by M&M Trucking to extents of approximately 51' x 30' x 7' deep, and Excavation #2 area had been excavated to extents of 15' x 15' x 3' deep. Five (5) samples were collected from each of these excavations. One (1) sample was collected from each of the four (4) walls, and one (1) sample was collected from the bottom. All ten (10) of these samples were analyzed in the field for TPH via USEPA Method 418.1 and for OV using a PID. All ten (10) samples returned results below the 100 ppm TPH standard and the 100 ppm OV standard determined for this site; see enclosed ***Table 1, Analytical Results*** and ***Appendix A, Analytical Results***. No further excavation was required in Excavation #1 or Excavation #2.

On November 6, 2009, an Envirotech, Inc. scientist returned to the site to complete confirmation sampling activities. Prior to Envirotech's arrival, Excavation #3 had been excavated by M&M Trucking to extents of approximately 15' x 15' x 16' deep. Two (2) samples were collected from this excavation. One (1) sample was collected from the bottom at 16' BGS, and a composite sample was collected from the walls of the excavation. Each of these samples was analyzed in the field for TPH via USEPA Method 418.1 and for OV using a PID. Both samples returned results below the 100 ppm OV standard, but above the 100 ppm TPH standard determined for this site; see enclosed ***Table 1, Analytical Results*** and ***Appendix A, Analytical Results***. At this time, each of these samples were collected into a four (4)-ounce glass jar, capped headspace free, and transported with ice under chain of custody to Envirotech's laboratory to be analyzed for DRO and GRO via USEPA Method 8015 and for BTEX via USEPA Method 8021. Both samples returned results below the 100 ppm TPH standard, the 10 ppm benzene standard and the 50 ppm total BTEX standard indicating that no further excavation is required; see enclosed ***Table 1, Analytical Results*** and ***Appendix A, Analytical Results***.

All contaminated soil was transported to IEI's NMOCD permitted soil remediation facility located in Crouch Mesa, New Mexico.

SUMMARY AND CONCLUSIONS

Spill assessment and confirmation sampling activities were performed for historical releases at the Burlington Resources Federal B #1 well site located in Section 31, Township 30N, Range 11W, San Juan County, New Mexico. All contaminated soil was transported to IEI's NMOCD permitted soil remediation facility located at Crouch Mesa, New Mexico. Envirotech, Inc. recommends that no further action is required in regards to this incident.

STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed spill assessment and confirmation sampling activities for historical contamination found at the Burlington Resources Federal B #1 well site located in Section 31, Township 30N, Range 11W, San Juan County, New Mexico. The work and services provided by Envirotech, Inc. were in accordance with the New Mexico Oil Conservation

Division standards. All observations and conclusions provided here are based on the information and current site conditions found at the site of the incident.

The undersigned has conducted this service at the above referenced site. This work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

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

Respectfully Submitted,

ENVIROTECH, INC.

James McDaniel
Project Scientist
jmcdaniel@envirotech-inc.com

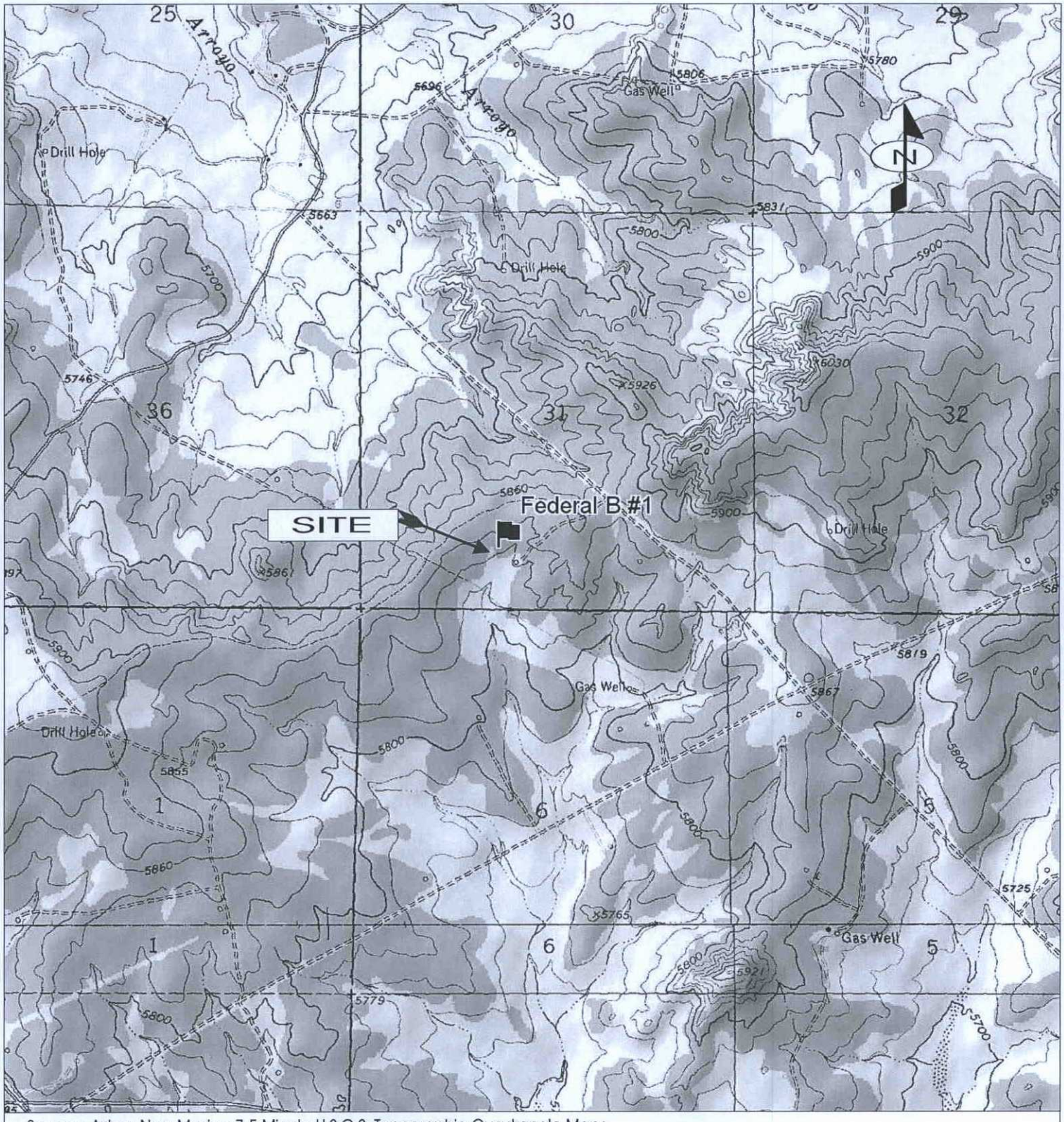
Reviewed by:

Greg Crabtree, EIT
Project Engineer/Manager
jmcdaniel@envirotech-inc.com

FIGURES

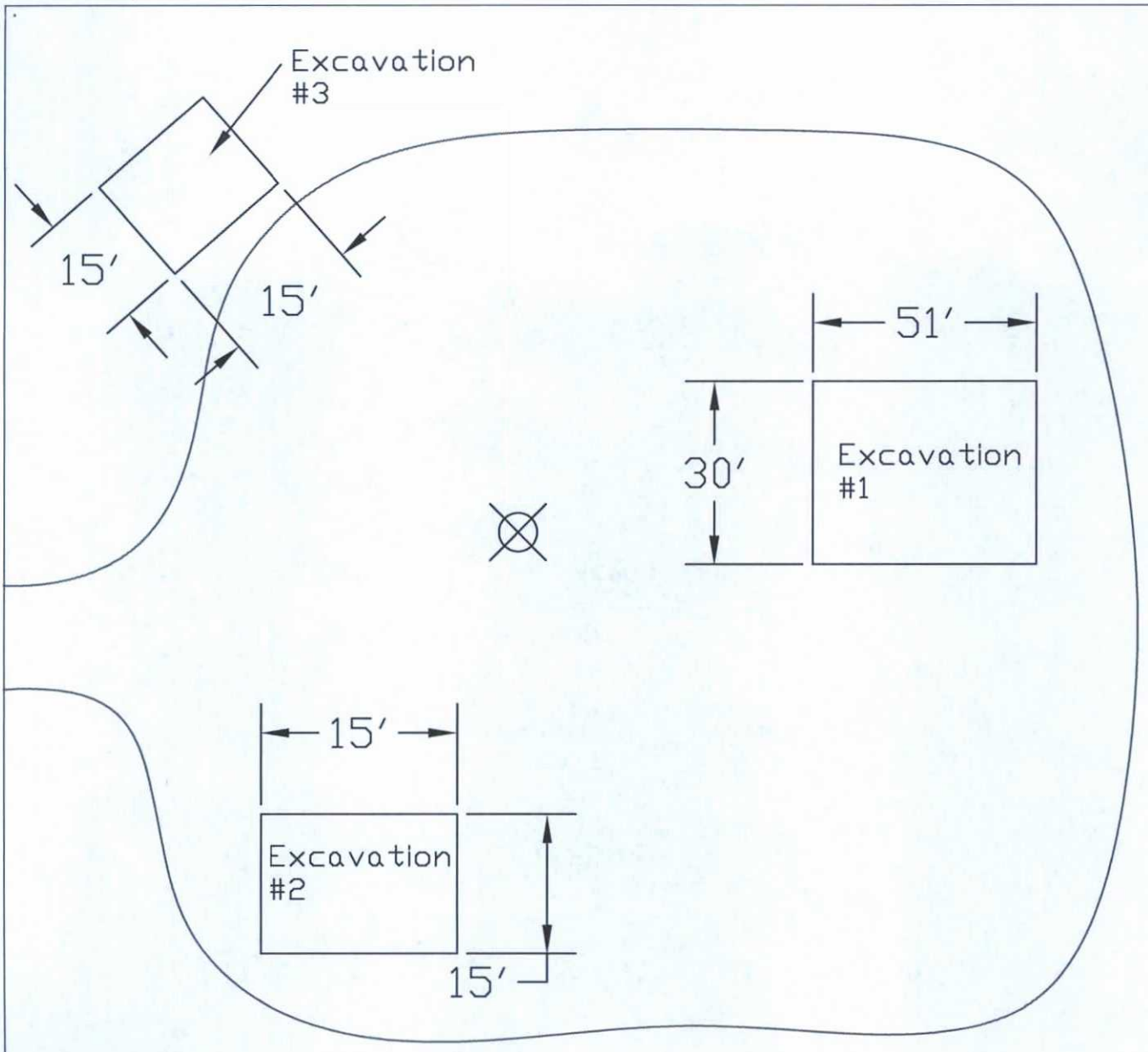
Figure 1, Vicinity Map

Figure 2, Site Map



Source: Aztec, New Mexico 7.5 Minute U.S.G.S. Topographic Quadrangle Maps
Scale: 1:24,000 1" = 2000'

Burlington Resources Federal B #1 Well Site Section 31, Township 30N, Range 11W San Juan County, New Mexico		ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401 PHONE (505) 632-0615	Vicinity Map Figure 1
Project# 92115-1127	Date Drawn: 11/11/09		Drawn By: James McDaniel Project Manager: Greg Crabtree



LEGEND

Excavated Areas

P&A Marker

Site Map

Federal B #1 Well Site
Section 31, Township 30N, Range 11W
San Juan County, New Mexico

SCALE: NTS	FIGURE NO. 2	REV
PROJECT NO92115-1127		

REVISIONS

NO.	DATE	BY	DESCRIPTION

MAP DRWN	JPM	DATE	11/11/09

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TABLES

Table 1, Analytical Results

Table 1, Analytical Results
Confirmation Sampling Report
ConocoPhillips
Federal B #1
Project No. 92115-1127

Sample Description	Sample Number	Date	TPH (ppm) EPA Method 418.1	OVM (ppm)	Benzene (ppm) EPA Method 8021	BTEX (ppm) EPA Method 8021	GRO/DRO (ppm) EPA Method 8015
NMOCD Standards	NA	NA	100	100	10.0	50	100
3' BGS		10/16/2009	NS	**1802**	NS	NS	NS
5' BGS		10/16/2009	NS	**128**	NS	NS	NS
8' BGS	1	10/16/2009	**2,410**	**151**	NS	NS	NS
10' BGS	2	10/16/2009	**8,720**	**1484**	< 0.0009	3.67	**152**
Delineation Composite	3	10/16/2009	8	NS	NS	NS	NS
5' North @ 5' BGS		10/16/2009	NS	ND	NS	NS	NS
5' South @ 5' BGS		10/16/2009	NS	ND	NS	NS	NS
5' East @ 5' BGS		10/16/2009	NS	ND	NS	NS	NS
5' West @ 5' BGS		10/16/2009	NS	ND	NS	NS	NS
Excavation #1 North Wall	1	11/3/2009	< 5	0.1	NS	NS	NS
Excavation #1 South Wall	2	11/3/2009	24	0.3	NS	NS	NS
Excavation #1 East Wall	3	11/3/2009	< 5	ND	NS	NS	NS
Excavation #1 West Wall	4	11/3/2009	12	0.1	NS	NS	NS
Excavation #1 Bottom	5	11/3/2009	< 5	ND	NS	NS	NS
Excavation #2 Bottom	1	11/3/2009	68	17.2	NS	NS	NS
Excavation #2 North Wall	2	11/3/2009	32	3.1	NS	NS	NS
Excavation #2 South Wall	3	11/3/2009	16	ND	NS	NS	NS
Excavation #2 East Wall	4	11/3/2009	12	0.3	NS	NS	NS
Excavation #2 West Wall	5	11/3/2009	< 5	ND	NS	NS	NS
Excavation #3 Wall Composite	1	11/6/2009	**324**	10.6	< 0.0009	< 0.005	15.9
Excavation #3 Bottom	2	11/6/2009	**176**	1	< 0.0009	< 0.005	< 0.2

* Values in **BOLD** above regulatory standards

APPENDIX A

Analytical Results

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	1	Date Reported:	10/26/2009
Sample ID:	8' BGS	Date Sampled:	10/16/2009
Sample Matrix:	Soil	Date Analyzed:	10/16/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**2,410**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Robyn S. Jones
Printed

Review

James McDaniel
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	2	Date Reported:	10/26/2009
Sample ID:	10' BGS	Date Sampled:	10/16/2009
Sample Matrix:	Soil	Date Analyzed:	10/16/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**8,720**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Robyn S. Jones
Printed

Review

James McDaniel
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	3	Date Reported:	10/26/2009
Sample ID:	Delineation Comp.	Date Sampled:	10/16/2009
Sample Matrix:	Soil	Date Analyzed:	10/16/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**8**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Robyn S. Jones
Printed

Review

James McDaniel
Printed

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 16-Oct-09

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	205
	500	
	1000	

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

Analyst

10/29/09
Date

Robyn S. Jones
Print Name

Review

10/29/09
Date

James McDaniel
Print Name

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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Burlington	Project #:	92115-1127
Sample ID:	10' BGS	Date Reported:	10-21-09
Laboratory Number:	52151	Date Sampled:	10-16-09
Chain of Custody No:	8222	Date Received:	10-16-09
Sample Matrix:	Soil	Date Extracted:	10-19-09
Preservative:	Cool	Date Analyzed:	10-20-09
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**42.4**	**0.4**
Diesel Range (C10 - C28)	**110**	**0.2**
Total Petroleum Hydrocarbons	**152**	**0.4**

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: **Federal B1**

Analyst

Review

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Analytical Laboratory

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	10-20-09 QA/QC	Date Reported:	10-21-09
Laboratory Number:	52120	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-20-09
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	8.2208E+002	8.2241E+002	**0.04%**	**0 - 15%**
Diesel Range C10 - C28	05-07-07	9.8051E+002	9.8091E+002	**0.04%**	**0 - 15%**

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	**ND**	**0.2**
Diesel Range C10 - C28	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	**ND**	**ND**	**0.0%**	**0 - 30%**
Diesel Range C10 - C28	**ND**	**ND**	**0.0%**	**0 - 30%**

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	**ND**	**250**	**242**	**96.8%**	**75 - 125%**
Diesel Range C10 - C28	**ND**	**250**	**238**	**95.2%**	**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 52120, 52121, 52137, 52138, 52151, 52157, 52158, and 52168.**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Burlington	Project #:	92115-1127
Sample ID:	10' BGS	Date Reported:	10-21-09
Laboratory Number:	52151	Date Sampled:	10-16-09
Chain of Custody:	8222	Date Received:	10-16-09
Sample Matrix:	Soil	Date Analyzed:	10-20-09
Preservative:	Cool	Date Extracted:	10-19-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**109**	**1.0**
Ethylbenzene	**182**	**1.0**
p,m-Xylene	**2,690**	**1.2**
o-Xylene	**687**	**0.9**
Total BTEX	**3,670**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**97.0 %**
	1,4-difluorobenzene	**97.0 %**
	Bromochlorobenzene	**97.0 %**

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: **Federal B1**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	10-20-BT QA/QC	Date Reported:	10-21-09
Laboratory Number:	52113	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-20-09
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	8.9065E+005	8.9243E+005	0.2%	ND	0.1
Toluene	8.2358E+005	8.2523E+005	0.2%	ND	0.1
Ethylbenzene	7.4480E+005	7.4629E+005	0.2%	ND	0.1
p,m-Xylene	1.8287E+006	1.8324E+006	0.2%	ND	0.1
o-Xylene	7.0468E+005	7.0609E+005	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	50.0	51.2	102%	39 - 150
Toluene	ND	50.0	51.0	102%	46 - 148
Ethylbenzene	ND	50.0	51.0	102%	32 - 160
p,m-Xylene	ND	100	98.5	98.5%	46 - 148
o-Xylene	ND	50.0	52.6	105%	46 - 148

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 52113, 52114, 52120, 52121, 52137, 52138, 52151, 52157, 52158, and 52168.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

8222

Client:	Project Name / Location:
Burlington	Federal B 1
Client Address:	Sampler Name: Robyn Jones
Client Phone No.:	Client No.: 92115-1127

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl₂	Preservative HCl	Preservative Cool	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
10' BGS	10/16/09	1225	52151	(Soil) Sludge Solid Aqueous	1-4oz			X	X	X												✓	✓
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
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				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/16/09	15:30	[signature]	10/16/09	15:30
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	1	Date Reported:	11/11/2009
Sample ID:	Exc. #1 North Wall	Date Sampled:	11/3/2009
Sample Matrix:	Soil	Date Analyzed:	11/3/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**ND**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Scott Gonzales
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James McDaniel
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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	2	Date Reported:	11/11/2009
Sample ID:	Exc. #1 South Wall	Date Sampled:	11/3/2009
Sample Matrix:	Soil	Date Analyzed:	11/3/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**24**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	3	Date Reported:	11/11/2009
Sample ID:	Exc. #1 East Wall	Date Sampled:	11/3/2009
Sample Matrix:	Soil	Date Analyzed:	11/3/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**ND**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	4	Date Reported:	11/11/2009
Sample ID:	Exc. #1 West Wall	Date Sampled:	11/3/2009
Sample Matrix:	Soil	Date Analyzed:	11/3/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**12**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

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James McDaniel
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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	5	Date Reported:	11/11/2009
Sample ID:	Exc. #1 Bottom	Date Sampled:	11/3/2009
Sample Matrix:	Soil	Date Analyzed:	11/3/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**ND**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	1	Date Reported:	11/11/2009
Sample ID:	Exc. #2 Bottom	Date Sampled:	11/3/2009
Sample Matrix:	Soil	Date Analyzed:	11/3/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**68**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

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James McDaniel
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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	2	Date Reported:	11/11/2009
Sample ID:	Exc. #2 North Wall	Date Sampled:	11/3/2009
Sample Matrix:	Soil	Date Analyzed:	11/3/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**32**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	3	Date Reported:	11/11/2009
Sample ID:	Exc. #2 South Wall	Date Sampled:	11/3/2009
Sample Matrix:	Soil	Date Analyzed:	11/3/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**16**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	4	Date Reported:	11/11/2009
Sample ID:	Exc. #2 East Wall	Date Sampled:	11/3/2009
Sample Matrix:	Soil	Date Analyzed:	11/3/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**12**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	5	Date Reported:	11/11/2009
Sample ID:	Exc. #2 West Wall	Date Sampled:	11/3/2009
Sample Matrix:	Soil	Date Analyzed:	11/3/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**ND**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

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James McDaniel
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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 3-Nov-09

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	191
	500	
	1000	

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

Analyst

1-11-10
Date

Scott Gonzales
Print Name

Review

11/11/09
Date

James McDaniel
Print Name

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	1	Date Reported:	11/11/2009
Sample ID:	Exc. #3 Wall Composite	Date Sampled:	11/6/2009
Sample Matrix:	Soil	Date Analyzed:	11/6/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**324**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Rene Garcia Reyes
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James McDaniel
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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington	Project #:	92115-1127
Sample No.:	2	Date Reported:	11/11/2009
Sample ID:	Exc. #3 Bottom	Date Sampled:	11/6/2009
Sample Matrix:	Soil	Date Analyzed:	11/6/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**176**	**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: **Federal B #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 6-Nov-09

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	218
	500	
	1000	

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

Analyst _____ Date 11/11/09

Rene Garcia Reyes
Print Name

Review _____ Date 11/11/09

James McDaniel
Print Name

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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Burlington	Project #:	92115-1127
Sample ID:	Bottom	Date Reported:	11-10-09
Laboratory Number:	52373	Date Sampled:	11-06-09
Chain of Custody No:	8359	Date Received:	11-06-09
Sample Matrix:	Soil	Date Extracted:	11-06-09
Preservative:	Cool	Date Analyzed:	11-09-09
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**	**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: **Federal B#1**

Analyst

Review

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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Burlington	Project #:	92115-1127
Sample ID:	Walls Comp	Date Reported:	11-10-09
Laboratory Number:	52374	Date Sampled:	11-06-09
Chain of Custody No:	8359	Date Received:	11-06-09
Sample Matrix:	Soil	Date Extracted:	11-06-09
Preservative:	Cool	Date Analyzed:	11-09-09
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)	**15.9**	**0.1**
Total Petroleum Hydrocarbons	**15.9**	**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: **Federal B#1**

Analyst

Review

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EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	11-09-09 QA/QC	Date Reported:	11-10-09
Laboratory Number:	52365	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-09-09
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	1.2709E+003	1.2714E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.1839E+003	1.1843E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	235	94.0%	75 - 125%
Diesel Range C10 - C28	ND	250	239	95.6%	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 52365 - 52371 and 52373 - 52374.**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Burlington	Project #:	92115-1127
Sample ID:	Bottom	Date Reported:	11-10-09
Laboratory Number:	52373	Date Sampled:	11-06-09
Chain of Custody:	8359	Date Received:	11-06-09
Sample Matrix:	Soil	Date Analyzed:	11-09-09
Preservative:	Cool	Date Extracted:	11-06-09
Condition:	Intact	Analysis Requested:	BTEX

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	**ND**	**0.9**
Total BTEX	**ND**	

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: 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: **Federal B#1**

Analyst

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Burlington	Project #:	92115-1127
Sample ID:	Walls Comp	Date Reported:	11-10-09
Laboratory Number:	52374	Date Sampled:	11-06-09
Chain of Custody:	8359	Date Received:	11-06-09
Sample Matrix:	Soil	Date Analyzed:	11-09-09
Preservative:	Cool	Date Extracted:	11-06-09
Condition:	Intact	Analysis Requested:	BTEX

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	**ND**	**0.9**
Total BTEX	**ND**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**99.0 %**
	1,4-difluorobenzene	**99.0 %**
	Bromochlorobenzene	**99.0 %**

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: **Federal B#1**

Analyst

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	11-09-BT QA/QC	Date Reported:	11-10-09
Laboratory Number:	52365	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-09-09
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	7.8876E+005	7.9034E+005	0.2%	ND	0.1
Toluene	3.6113E+005	3.6185E+005	0.2%	ND	0.1
Ethylbenzene	2.6964E+005	2.7018E+005	0.2%	ND	0.1
p,m-Xylene	6.2114E+005	6.2238E+005	0.2%	ND	0.1
o-Xylene	2.4120E+005	2.4168E+005	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	50.0	48.2	96.4%	39 - 150
Toluene	ND	50.0	49.6	99.2%	46 - 148
Ethylbenzene	ND	50.0	48.0	96.0%	32 - 160
p,m-Xylene	ND	100	97.9	97.9%	46 - 148
o-Xylene	ND	50.0	49.7	99.4%	46 - 148

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 52365 - 52371 and 52373 - 52374.

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

CHAIN OF CUSTODY RECORD

8359

Client:	Project Name / Location:
Burlington	Federal B #1
Client Address:	**Sampler Name:**
	René García Reyes
Client Phone No.:	**Client No.:**
	92115-1127

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HCl	Preservative Cool	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Bottom	11/06/09	11:30	52373	(Soil) Sludge Solid Aqueous	4oz			X	X	X												X	X
Walls Comp	11/06/09	11:15	52374	(Soil) Sludge Solid Aqueous	4oz			X	X	X										RUSH		X	X
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/06/09	14:55	[signature]	11/6/09	1455
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

envirotech
Analytical Laboratory

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

APPENDIX B

Field Notes

Client: Burlington

envirotech
(505) 632-0615 (800) 362-1879
5796 U.S. Hwy 64, Farmington, NM 87401

Location No:

C.O.C. No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 11/6/09

DATE FINISHED: 11/6/09

ENVIRONMENTAL SPECIALIST: TPM

LOCATION: NAME: Federal B 4M WELL #: 1

QUAD/UNIT: SEC: 31 TWP: 30N RNG: 11W PM: NMPM CNTY: SJ ST: NM

QTR/FOOTAGE: 790' FSL 1850' FWL CONTRACTOR:

EXCAVATION APPROX: 15 FT. X 15 FT. X 16 FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: REMEDIATION METHOD:

LAND USE: LEASE: LAND OWNER: Federal

CAUSE OF RELEASE: MATERIAL RELEASED:

SPILL LOCATED APPROXIMATELY: FT. FROM

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

NMOCD RANKING SCORE: NMOCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
		200 sq ft					~~166~~	218
		Bottom		~~5~~	~~20~~	~~x 4~~	~~166~~	
		Wall Comp		5	20	x 4	81	324
		Bottom		5	20	x 4	99	176

SPILL PERIMETER

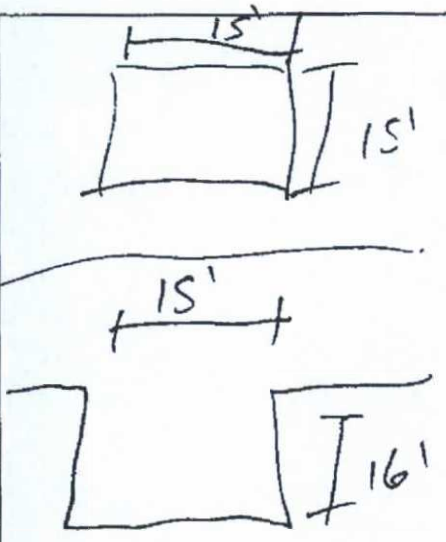
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
bottom	10.6
wall comp	1

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

SPILL PROFILE



TRAVEL NOTES: CALLED OUT: ONSITE:

Client: Burlington	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Location No: C.O.C. No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1
DATE STARTED: 10/16/09
DATE FINISHED: 10/16/09
ENVIRONMENTAL SPECIALIST: [illegible]

LOCATION: NAME: Federal B WELL #: 1
QUAD/UNIT: SEC: 31 TWP: 30N RNG: 11W PM: CNTY: SJ ST: NM
QTR/FOOTAGE: 790' FSL x 1850' FWL CONTRACTOR:

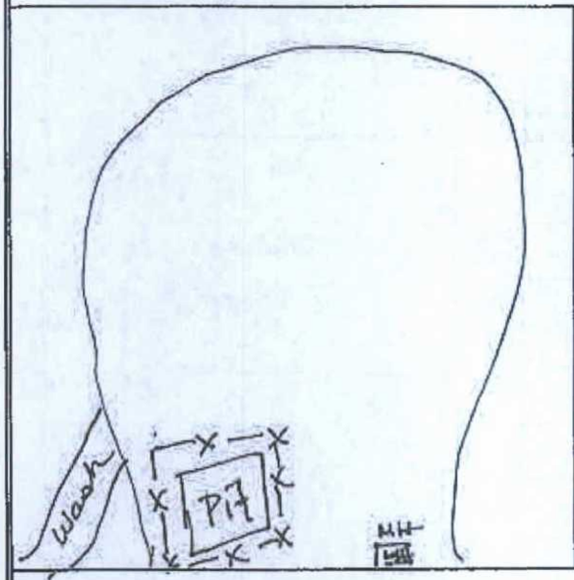
EXCAVATION APPROX: 15 FT. X 14 FT. X FT. DEEP CUBIC YARDAGE:
DISPOSAL FACILITY: REMEDIATION METHOD:
LAND USE: LEASE: LAND OWNER:
CAUSE OF RELEASE: MATERIAL RELEASED: Unknown
SPILL LOCATED APPROXIMATELY: 50 FT. FROM Meter house
DEPTH TO GROUNDWATER: NEAREST WATER SOURCE: NEAREST SURFACE WATER: < 200 ft
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

Suspected earthen pit
API 3004508923

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 std	10:45	–	–	–	–	–	205	
8' BGS	11:30	8' BGS	–	5	20	4	602	2408
10' BGS	12:15	10' BGS	–	6	20	4	2180	8326 8720
Delineation Comp	12:20	Del. Comp	–	5	20	4	2	8

SPILL PERIMETER



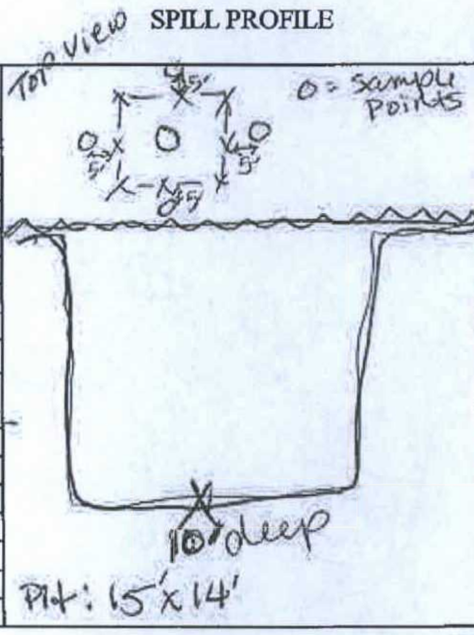
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
Std	97.1
3' BGS	480.2
5' BGS	128
8' BGS	651
10' BGS	1484
5'N 5' BGS	0.0
5'S 5' BGS	0.0
5'E 5' BGS	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
5'W @ 3' BGS	OVM	0.0

SPILL PROFILE



TRAVEL NOTES: CALLED OUT: ONSITE:

Client:	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Location No: C.O.C. No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 2

DATE STARTED: 11-3-09

DATE FINISHED: 11-3-09

ENVIRONMENTAL SPECIALIST: SG

LOCATION: NAME: Federal B WELL #: 1

QUAD/UNIT: SEC: 31 TWP: 30N RNG: 11W PM: NMPM CNTY: SJ ST: NM

QTR/FOOTAGE: 790 FSL 1650 FWL CONTRACTOR:

EXCAVATION APPROX: 30 FT. X 51 FT. X 7 FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: REMEDIATION METHOD: Land farm

LAND USE: API ~~LEASE~~: 30-045-08923 LAND OWNER:

CAUSE OF RELEASE: MATERIAL RELEASED:

SPILL LOCATED APPROXIMATELY: 49 FT. FROM P&A Well

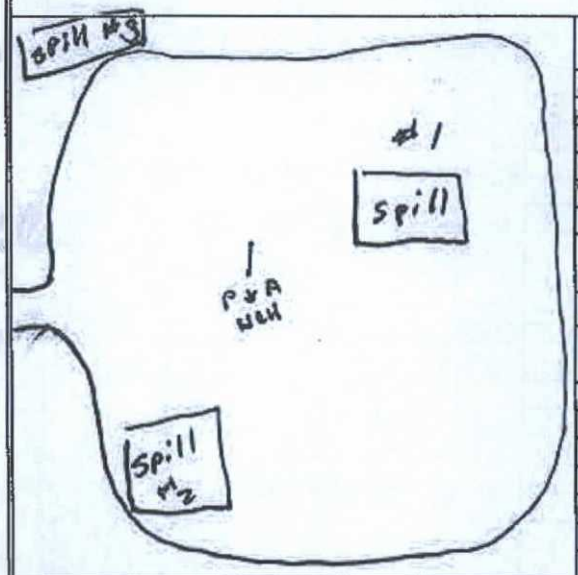
DEPTH TO GROUNDWATER: NEAREST WATER SOURCE: NEAREST SURFACE WATER:

NMOCD RANKING SCORE: NMOCD TPH CLOSURE STD: PPM

SOIL AND EXCAVATION DESCRIPTION:

SAMPLE DESCRIPITION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 std	14:45						191	
North wall	15:00	N wall	1	5	20	4	1	4
South wall	15:06	S wall	2	5	20	4	6	24
East wall	15:09	E wall	3	5	20	4	1	4
West wall	15:12	W wall	4	5	20	4	3	12
Bottom	15:15	Bottom	5	5	20	4	ND	ND

SPILL PERIMETER



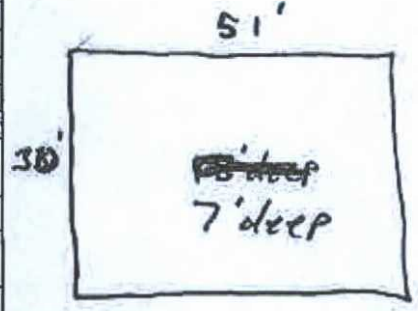
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
N wall	0.1
S wall	0.3
E wall	ND
W wall	0.1
Bottom	ND

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

SPILL PROFILE



TRAVEL NOTES: CALLED OUT: ONSITE:

Client:	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Location No: C.O.C. No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 2 OF 2

DATE STARTED: 11-3-09

DATE FINISHED: 11-3-09

ENVIRONMENTAL SPECIALIST: SG

LOCATION: NAME: Federal B WELL #: 1

QUAD/UNIT: SEC: 31 TWP: 30N RNG: 11W PM: NM PM CNTY: SJ ST: NM

QTR/FOOTAGE: 790 FSL 1850 FWL CONTRACTOR:

EXCAVATION APPROX: 15 FT. X 15 FT. X 3 FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: REMEDIATION METHOD:

LAND USE: API LEASE: 30-045-08923 LAND OWNER:

CAUSE OF RELEASE: Tank Leaking MATERIAL RELEASED:

SPILL LOCATED APPROXIMATELY: 90 FT. FROM P&A well

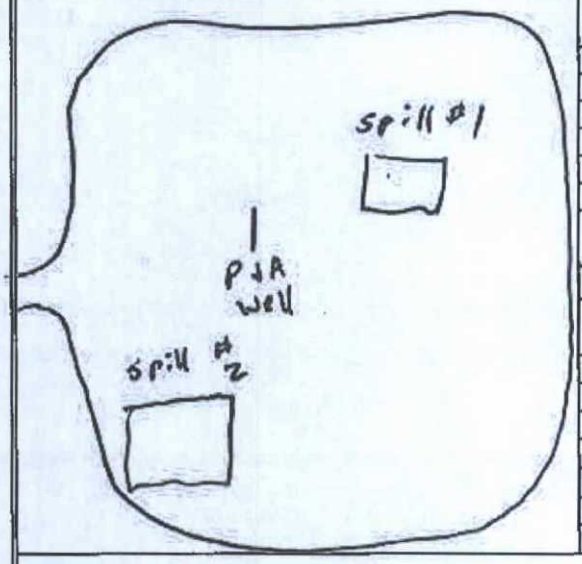
DEPTH TO GROUNDWATER: NEAREST WATER SOURCE: NEAREST SURFACE WATER:

NMOCD RANKING SCORE: NMOCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

SAMPLE DESCRIPITION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 std.	14:45						191	
Bottom	15:50	B Bottom	1	5	20	4	17	68
North wall	15:55	N Wall	2	5	20	4	8	32
South wall	16:00	S Wall	3	5	20	4	4	16
East wall	16:03	E Wall	4	5	20	4	3	12
West wall	16:06	W Wall	5	5	20	4	1	4

SPILL PERIMETER



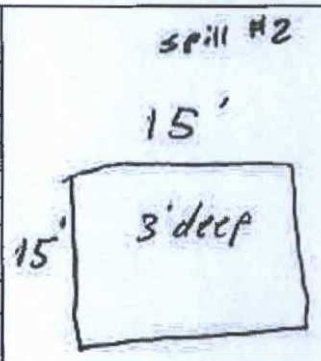
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
Bottom	17.2
North	3.1
South	ND
East	0.3
West	NP

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

SPILL PROFILE



TRAVEL NOTES: CALLED OUT: ONSITE: