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 Company**	Contact **Crystal Tafoya**
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 326-9837
Facility Name: **Simmons 1**	Facility Type: **Gas Well**

Surface Owner **Private**	Mineral Owner **Private**	API No.**30-045-09507**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	**17**	**30N**	**11W**	**1960**	**North**	**1980**	**West**	**San Juan**

Latitude 36.81407 Longitude -108.01572

NATURE OF RELEASE

Type of Release **Produced Fluids**	Volume of Release **Unknown**	Volume Recovered **63 cu. yds**
Source of Release **Flow Line**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **2/5/14**
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.*
N/A

OIL CONS. DIV DIST. 3
JUL 18 2014

Describe Cause of Problem and Remedial Action Taken.*
Flow Line Repair Activities

Describe Area Affected and Cleanup Action Taken.*
Historical hydrocarbon impacted soil was found during a flowline repair for the subject well. The excavation was 25' x 17' x 4' and 63 yds of soil was transported to an approved landfarm and 63 yds of clean soil was transported and placed in the excavation site. 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: Crystal L Tafoya	OIL CONSERVATION DIVISION Approved by Environmental Specialist: Jonathan D. Kelly
Printed Name: **Crystal Tafoya**	
Title: **Field Environmental Specialist**	Approval Date: 9/5/2014 Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval: Attached ☐
Date: 7/16/2014 Phone: (505) 326-9837	

* Attach Additional Sheets If Necessary

nJK1424838788

25

envirotech

April 9, 2014 Project Number 92115-2558

Ms. Crystal Tafoya
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87402

Phone: (505) 326-9837
Cell: (505) 215-4361

RE: CONFIRMATION SAMPLING REPORT FOR THE SIMMONS #1 WELL SITE (HBR), SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Tafoya:

Enclosed please find the *Confirmation Sampling Report* detailing assessment and closure activities conducted at the Simmons #1 well site located in Section 17, Township 30 North, Range 11 West, 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.

Sheena Leon
Environmental Technician
sleon@envirotech-inc.com

Enclosures: *Confirmation Sampling Report*

Cc: Client File Number 92115

CONFIRMATION SAMPLING REPORT

LOCATION:
CONOCOPHILLIPS
SIMMONS #1 (HBR)
SECTION 17, TOWNSHIP 30 NORTH, RANGE 11 WEST
SAN JUAN COUNTY, NEW MEXICO

CONTRACTED BY:
CONOCOPHILLIPS
MS. CRYSTAL TAFOYA
3401 EAST 30TH STREET
FARMINGTON, NEW MEXICO 87402

PROJECT NUMBER 92115-2558
FEBRUARY 2014

CONOCOPHILLIPS
CONFIRMATION SAMPLING REPORT
SIMMONS # 1 (HBR)
SECTION 17, TOWNSHIP 30 NORTH, RANGE 11 WEST
SAN JUAN COUNTY, NEW MEXICO

TABLE OF CONTENTS

INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by ConocoPhillips to provide spill assessment and confirmation sampling services for historic contamination found at the Simmons #1 well site located in Section 17, Township 30 North, Range 11 West, San Juan County, New Mexico; see enclosed ***Figure 1, Vicinity Map***. The historic contamination was discovered during a flow line repair. Activities included sample collection and analysis, documentation and reporting.

ACTIVITIES PERFORMED

Envirotech, Inc. was contacted on February 4, 2014, with a request to respond to historic contamination that was found at the above referenced location. Upon arrival, a brief site assessment was conducted. Because distance to surface water is less than 200 feet from the well site, depth to groundwater is between 50 and 100 feet below ground surface (BGS), and the well site is not within a well head protection area, the regulatory standards for the site were determined to be 100 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.

On February 5, 2014, five (5) five (5)-point composite samples were collected from the area of the release. One (1) sample was collected from the bottom of the excavated area. One (1) sample was collected from each of the four (4) walls of the excavation. All samples were screened in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID). Two (2) of the samples, one (1) from the east wall of the excavation and one (1) from the south wall, returned results above the regulatory standard for TPH and below the regulatory standard for organic vapors. ; see enclosed ***Figure 2, Site Map*** for sample locations. The samples collected from the north and west walls returned results below the regulatory standard for TPH and organic vapors. Two (2) additional samples were collected. One (1) from the east wall of the excavation and one (1) from the south wall by hand auguring into the wall to 2.5 feet. Both of these samples returned results below regulatory standards for TPH and organic vapors; see enclosed ***Appendix B, Analytical Results***.

Upon Envirotech personnel's return on February 12, 2014, the site crew had extended the excavation of the east wall by two (2) feet. One (1) five (5) point composite sample was collected from the wall and screened in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The sample returned results above the regulatory standard for TPH, but below regulatory standard for organic vapors. The excavation wall was extended another two (2) feet to the east. One (1) five (5) point composite sample was collected from the wall after it was extended. The sample returned results below the regulatory standards for TPH and organic vapors; see attached ***Appendix A, Field Notes*** and ***Appendix B, Analytical Results***. The onsite crew had also extended the south wall of the excavation by two (2) feet. One (1) five (5)-point composite sample was collected and screened in the field for TPH. The sample returned results

below regulatory standards for TPH and organic vapors; see attached ***Appendix A, Field Notes*** and ***Appendix B, Analytical Results***.

SUMMARY AND CONCLUSIONS

Confirmation sampling activities were performed for a release from the Simmons #1 well site located in Section 17, Township 30 North, Range 11 West, San Juan County, New Mexico. Contaminated soil was excavated by onsite crew and is ready to be backfilled. Envirotech, Inc. recommends no further action in regards to this incident.

STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed spill assessment and confirmation sampling activities for historic contamination found at the Simmons #1 well site located in Section 17, Township 30 North, Range 11 West, 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,

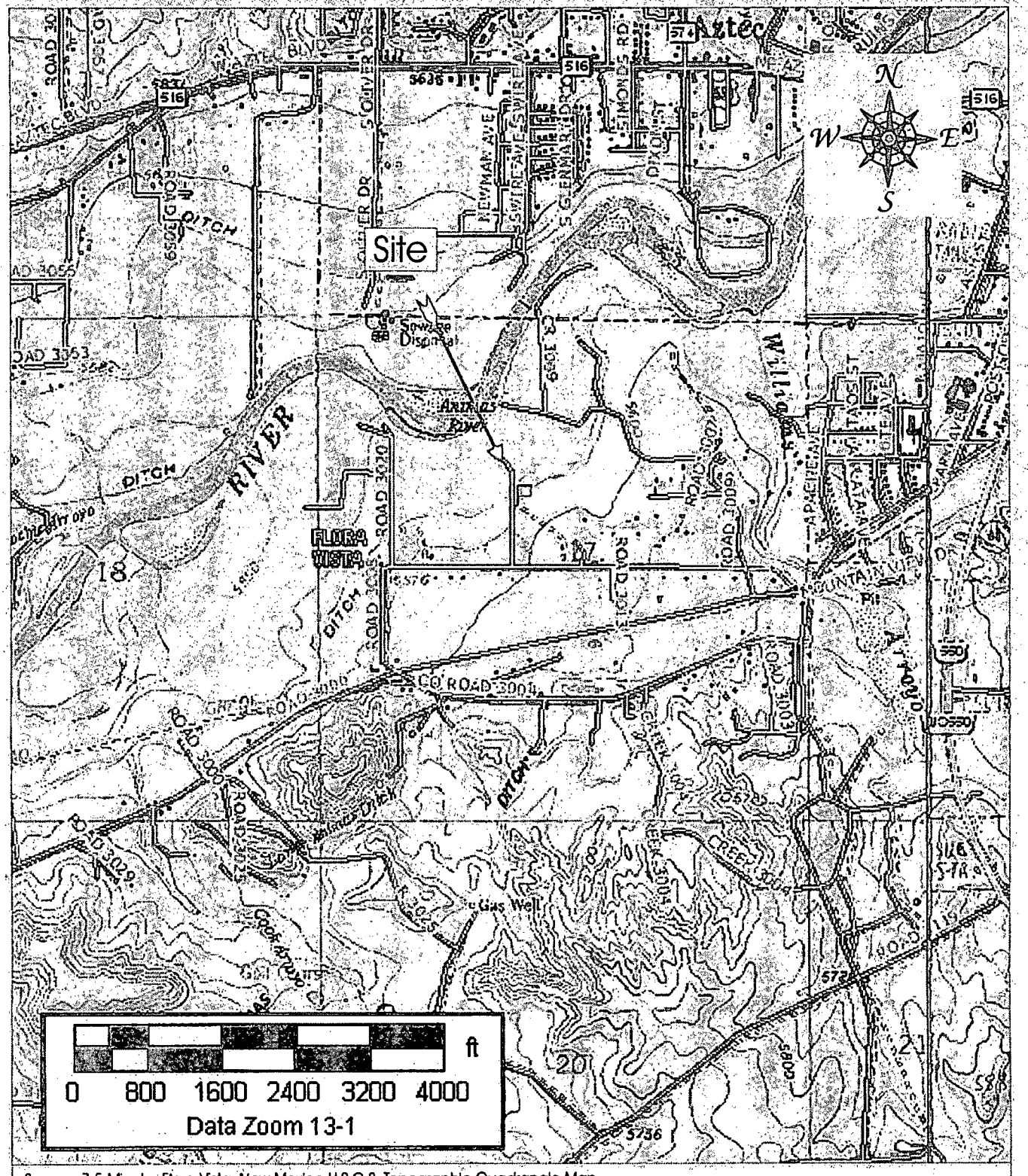
ENVIROTECH, INC.

Sheena Leon
Environmental Technician
sleon@envirotech-inc.com

Reviewed by:

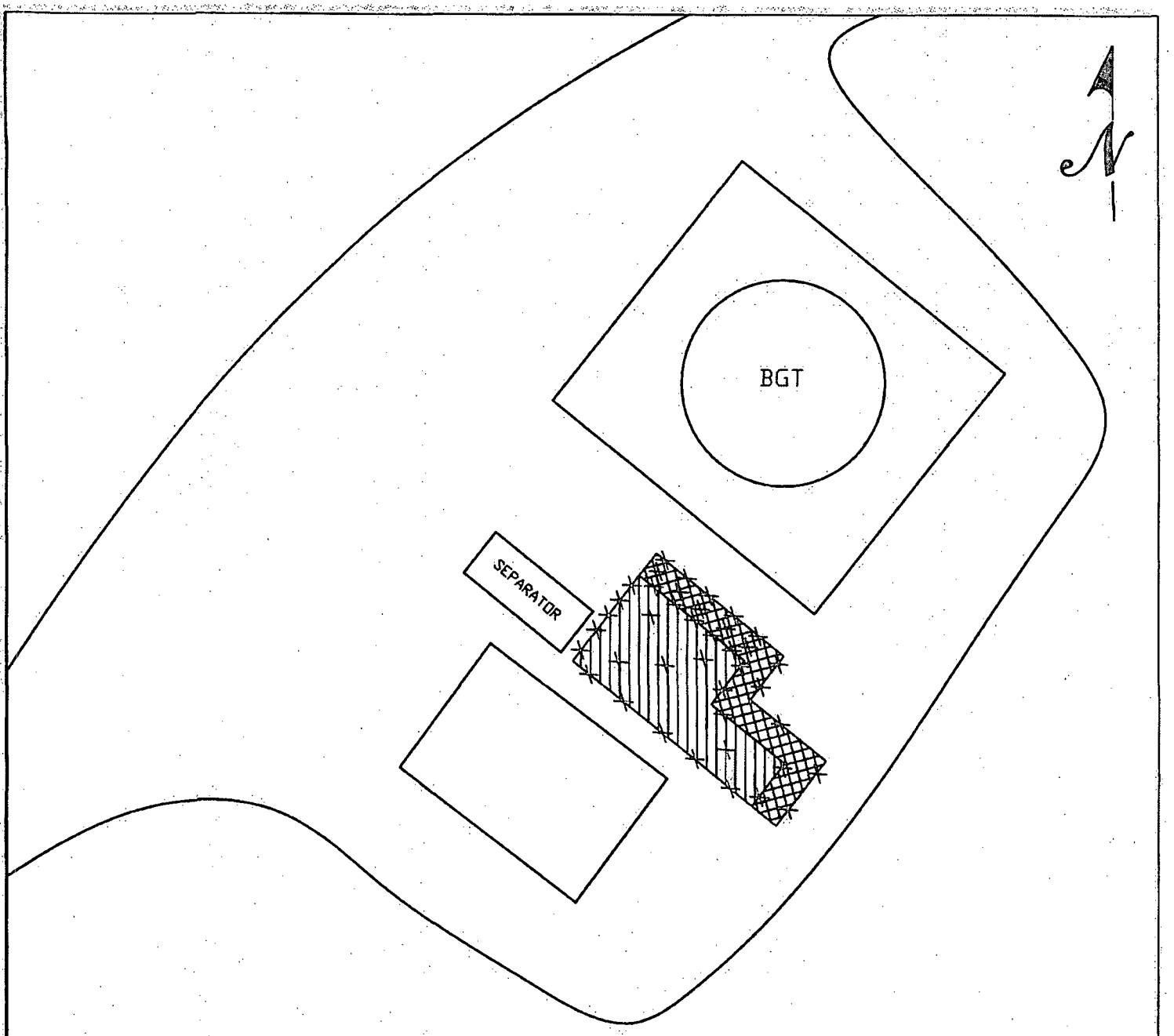
Toni McKnight
Environmental Project Manager
tmcknight@envirotech-inc.com

FIGURES



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

BP America Simmons #1 Section 17, Township 30N, Range 11W San Juan County, New Mexico	envirotech ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615	Vicinity Map Figure #1
PROJECT Number:92115-2558 | Date Drawn: 3/27/14		DRAWN BY: Sheena Leon | PROJECT MANAGER: Greg Crabtree



LEGEND

X Sample Locations

Initial Excavation

Closure Excavation

SITE MAP
ConocoPhillips
Simmons #1 (hBr)
SECTION 17, TWP 30 NORTH, RANGE 11 WEST
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS	FIGURE NO. 2	REV
PROJECT NO92115-2558		

REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP DRWN	SL	3/27/14	BASE DRWN

envirotech

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

APPENDIX A

Field Notes

Client: ConocoPhillips

envirotech
(505) 632-0615 (505) 632-1070
5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 92115-2558
COC No: NONE

FIELD REPORT: SPILL CLOSURE VERIFICATION

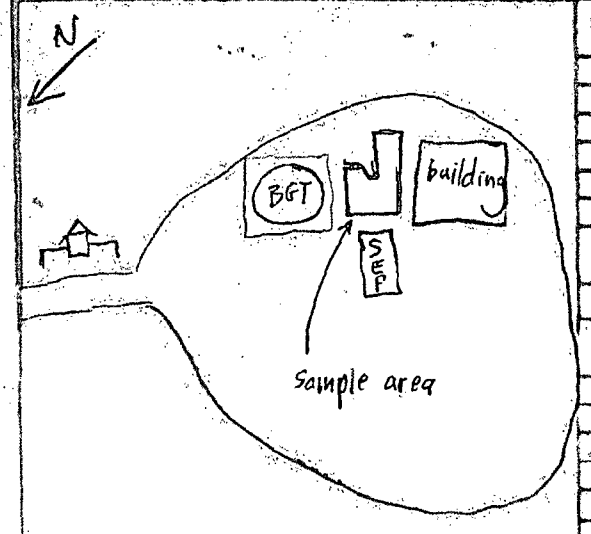
PAGE NO: 1 OF 1
DATE STARTED: 2/5/14
DATE FINISHED: 2/5/14
ENVIRONMENTAL SPECIALIST: T. McIntosh

LOCATION: NAME: Simmons #1 (hBr) WELL #: ←
QUAD/UNIT: F SEC: 17 TWP: 30N RNG: 11W PM: NA CNTY: SJ ST: NM
QTR/FOOTAGE: NA CONTRACTOR: NA

EXCAVATION APPROX: FT. X FT. X FT. DEEP CUBIC YARDAGE:
DISPOSAL FACILITY: REMEDIATION METHOD:
LAND USE: LEASE: LAND OWNER:
CAUSE OF RELEASE: MATERIAL RELEASED:
SPILL LOCATED APPROXIMATELY: FT. FROM
DEPTH TO GROUNDWATER: NEAREST WATER SOURCE: NEAREST SURFACE WATER: <200'
NMOCD RANKING SCORE: NMOCD TPH CLOSURE STD: 100 PPM
SOIL AND EXCAVATION DESCRIPTION: area has already been excavated to ~4' BGS

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 Standard	9:46	—	—	—	—	—	184	—
bottom composite 4' BGS	9:54	1	—	5	20	4	11	44
North wall composite	10:45	2	—	5	20	4	21	84
West wall composite	10:47	3	—	5	20	4	5	20
South wall composite	10:50	4	—	5	20	4	55	220
East wall composite	10:52	5	—	5	20	4	109	436
East wall +2.5' horizontally	11:25	6	—	5	20	4	28	112
South wall +2.5' horizontally	12:05	7	—	5	20	4	2	8

SPILL PERIMETER



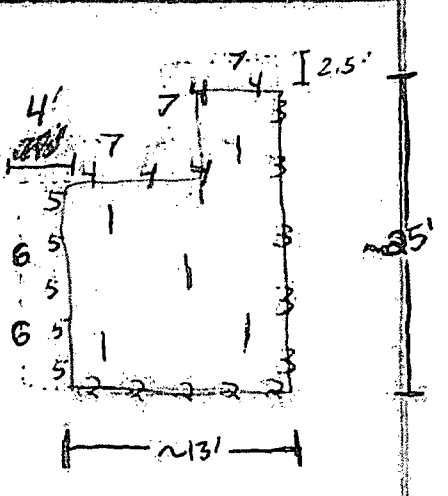
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	1.7
2	3.8
3	7.8
4	6.4
5	17.4
6	10.0
7	4.5

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

SPILL PROFILE



TRAVEL NOTES: CALLOUT: ONSITE

Client: ConocoPhillips

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

Project No: 92115-2558
COC No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1
DATE STARTED: 2/12/14
DATE FINISHED: 2/12/14
ENVIRONMENTAL SPECIALIST: S. Leon

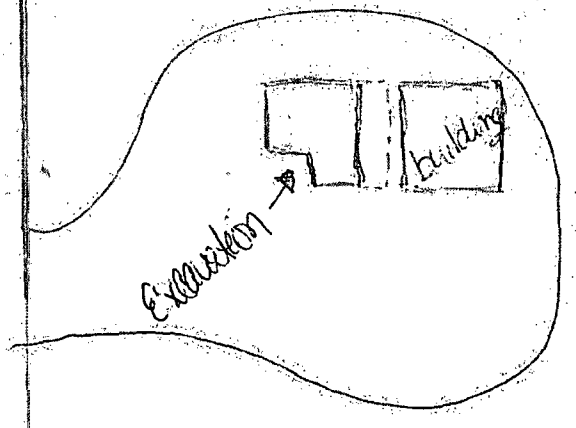
LOCATION: NAME: Simmons #1 (HB) WELL #: 1
QUAD/UNIT: E SEC: 17 TWP: 30N RNG: 11W PM: CNTY: SJ ST: NM
QTR/FOOTAGE: CONTRACTOR:

EXCAVATION APPROX: FT. X FT. X FT. DEEP CUBIC YARDAGE:
DISPOSAL FACILITY: REMEDIATION METHOD:
LAND USE: LEASE: LAND OWNER:
CAUSE OF RELEASE: MATERIAL RELEASED:

SPILL LOCATED APPROXIMATELY: FT. FROM
DEPTH TO GROUNDWATER: NEAREST WATER SOURCE: NEAREST SURFACE WATER: <200
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
South Wall Composite	11:20	1	1	5	20	4	24	96
East Wall Composite	12:15	2	1	5	20	4	43	172
East Wall #2	13:00	2#2	1	5	20	4	23	92
200ppm Standard	11:15	—	—	—	—	—	210	—

SPILL PERIMETER



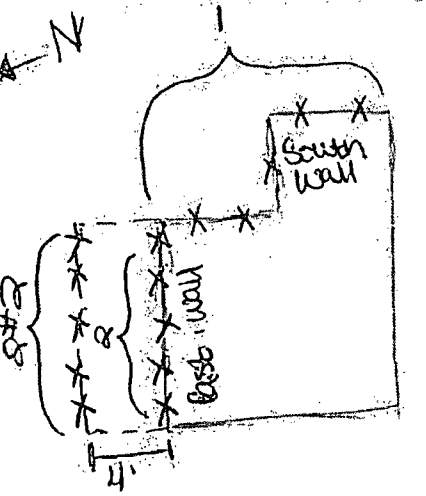
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	1.4
2	1.6
2#2	3.9

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

SPILL PROFILE



TRAVEL NOTES: CALLED OUT: ONSITE:

APPENDIX B

Analytical Results

envirotech

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2558
Sample No.:	1	Date Reported:	4/9/2014
Sample ID:	Bottom Composite 4' BGS	Date Sampled:	2/5/2014
Sample Matrix:	Soil	Date Analyzed:	2/5/2014
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**44**	**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: **Simmons #1**

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

Tiffany McIntosh
Analyst

Tiffany McIntosh
Printed

Toni McKnight
Review

Toni McKnight, EIT
Printed

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
info@envirotech-inc.com

envirotech

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2558
Sample No.:	2	Date Reported:	4/9/2014
Sample ID:	North Wall Composite	Date Sampled:	2/5/2014
Sample Matrix:	Soil	Date Analyzed:	2/5/2014
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**84**	**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: **Simmons #1**

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

Tiffany McIntosh
Analyst

Tiffany McIntosh
Printed

Toni McKnight
Review

Toni McKnight, EIT
Printed

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info@envirotech-inc.com

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2558
Sample No.:	3	Date Reported:	4/9/2014
Sample ID:	West Wall Composite	Date Sampled:	2/5/2014
Sample Matrix:	Soil	Date Analyzed:	2/5/2014
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**20**	**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: **Simmons #1**

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

Tiffany McIntosh
Analyst

Tiffany McIntosh
Printed

Toni McKnight
Review

Toni McKnight, EIT
Printed

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info@envirotech-inc.com

envirotech

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2558
Sample No.:	4	Date Reported:	4/9/2014
Sample ID:	South Wall Composite	Date Sampled:	2/5/2014
Sample Matrix:	Soil	Date Analyzed:	2/5/2014
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**220**	**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: **Simmons #1**

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

Tiffany McIntosh
Analyst

Tiffany McIntosh
Printed

Toni McKnight
Review

Toni McKnight, EIT
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2558
Sample No.:	5	Date Reported:	4/9/2014
Sample ID:	East Wall Composite	Date Sampled:	2/5/2014
Sample Matrix:	Soil	Date Analyzed:	2/5/2014
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**4,360**	**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: **Simmons #1**

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

Tiffany McIntosh
Analyst

Tiffany McIntosh
Printed

Toni McKnight
Review

Toni McKnight, EIT
Printed

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info@envirotech-inc.com

envirotech

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2558
Sample No.:	6	Date Reported:	4/9/2014
Sample ID:	East Wall +4' Horizontally	Date Sampled:	2/5/2014
Sample Matrix:	Soil	Date Analyzed:	2/5/2014
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**112**	**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: **Simmons #1**

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

Tiffany McIntosh
Analyst

Tiffany McIntosh
Printed

Toni McKnight
Review

Toni McKnight, EIT
Printed

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info@envirotech-inc.com

envirotech

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2558
Sample No.:	7	Date Reported:	4/9/2014
Sample ID:	South Wall +2.5' Horizontally	Date Sampled:	2/5/2014
Sample Matrix:	Soil	Date Analyzed:	2/5/2014
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: **Simmons #1**

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

Tiffany McIntosh
Analyst

Tiffany McIntosh
Printed

Toni McKnight
Review

Toni McKnight, EIT
Printed

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envirotech-inc.com
info@envirotech-inc.com

envirotech

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 5-Feb-14

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	184
	500	
	1000	

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

Tiffany McIntosh
Analyst

4/9/2014
Date

Tiffany McIntosh
Print Name

Toni McKnight
Review

4/9/2014
Date

Toni McKnight, EIT
Print Name

5796 US Highway 64, Farmington, NM 87401
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301
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Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
info@envirotech-inc.com

envirotech

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2558
Sample No.:	1	Date Reported:	4/9/2014
Sample ID:	South Wall Composite	Date Sampled:	2/12/2014
Sample Matrix:	Soil	Date Analyzed:	2/12/2014
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**96**	**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: **Simmons #1**

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

Analyst

Sheena Leon
Printed

Review

Toni McKnight, EIT
Printed

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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2558
Sample No.:	2	Date Reported:	4/9/2014
Sample ID:	East Wall Composite	Date Sampled:	2/12/2014
Sample Matrix:	Soil	Date Analyzed:	2/12/2014
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**172**	**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: **Simmons #1**

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

Analyst

Sheena Leon
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Review

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2558
Sample No.:	3	Date Reported:	4/9/2014
Sample ID:	East Wall #2	Date Sampled:	2/12/2014
Sample Matrix:	Soil	Date Analyzed:	2/12/2014
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**92**	**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: **Simmons #1**

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

Analyst

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 12-Feb-14

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	210
	500	
	1000	

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

Analyst

4/9/2014
Date

Sheena Leon
Print Name

Review

4/9/2014
Date

Toni McKnight, EIT
Print Name

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