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

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	ConocoPhillips Company	Contact	Shelly Cook-Cowden
Address	3401 E. 30th St., Farmington, NM 87402	Telephone No.	505-324-5140
Facility Name	Turner Hughes #13	Facility Type	Gas Well — API # 300-45-06683
Surface Owner	Navajo	Mineral Owner	Navajo — Lease No. SF 079937

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	11	T27N	R09W	1640'	North	1450'	East	Rio Arriba

Latitude 36 35.54166° N Longitude 107 45.19044° W

NATURE OF RELEASE

Type of Release – Condensate	Volume of Release – 51.75 BBL	Volume Recovered – 0 BBL
Source of Release: Frozen Valve	Date and Hour of Occurrence 12/21/09 - unknown	Date and Hour of Discovery 12/21/09 – 1:30 p.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Steve Austin – verbal & follow-up email	
By Whom? Shelly Cook-Cowden	Date and Hour – 12/22/09 9:50 a.m.	RCVD APR 26 '10
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	OIL CONS. DIV.
If a Watercourse was Impacted, Describe Fully.*		DIST. 3

Describe Cause of Problem and Remedial Action Taken.* **On December 21, 2009, a COPC employee arrived on location and found the valve on the production tank had frozen and the tank volume was released into the berm. No fluids were recovered.**

Describe Area Affected and Cleanup Action Taken.* **The frozen valves were immediately replaced with non-freeze valves. The impacted area was excavated, confirmation sampling occurred, and the site was cleared for backfill.**

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: Kelsi Gurvitz	OIL CONSERVATION DIVISION
Printed Name: Kelsi Gurvitz	Approved by District Supervisor: Brandon Powell For: CP
Title: Environmental Consultant	Approval Date: 9/22/10 — Expiration Date:
E-mail Address: kelsi.m.gurvitz@conocophillips.com	Conditions of Approval: — Attached ☐
Date: 4/23/10 Phone: 505-599-3403	

* Attach Additional Sheets If Necessary

nBP1026549570

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SPILL ASSESSMENT AND CONFIRMATION SAMPLING REPORT

LOCATED AT:

BURLINGTON RESOURCES
TURNER HUGHES #13 WELL SITE
SECTION 11, TOWNSHIP 27N, RANGE 9W
SAN JUAN COUNTY, NEW MEXICO

CONTRACTED BY:

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

PROJECT NO. 92115-1163
JANUARY 2010

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

envirotech

March 12, 2010 Project No. 92115-1163

Ms. Kelsi Gurvitz
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401 Phone (505) 599-3403

RE: SPILL ASSESSMENT AND CONFIRMATION SAMPLING REPORT FOR THE TURNER HUGHES #13 WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Gurvitz,

Enclosed please find the report entitled *Spill Assessment and Confirmation Sampling Report* detailing spill closure activities at the Burlington Resources Turner Hughes #13 well site located in Section 11, Township 27N, Range 9W, 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.

Rene Garcia
Field Technician
rgarcia@envirotech-inc.com

Enclosures: Spill Assessment and Confirmation Sampling Report

Cc: Client File No. 92115

SPILL ASSESSMENT AND CONFIRMATION SAMPLING REPORT

LOCATED AT:
BURLINGTON RESOURCES
TURNER HUGHES #13 WELL SITE
SECTION 11, TOWNSHIP 27N, RANGE 9W
SAN JUAN COUNTY, NEW MEXICO

TABLE OF CONTENTS

INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico was contracted by ConocoPhillips to perform spill assessment and confirmation sampling activities at the Burlington Resources Turner Hughes #13 well site located in Section 11, Township 27N, Range 9W, San Juan County, New Mexico; see enclosed ***Figure 1, Vicinity Map***. Spill assessment and confirmation sampling activities included sample collection, analysis, documentation, and reporting.

ACTIVITIES PERFORMED

On December 29, Envirotech, Inc. arrived on site to perform spill assessment activities for a release of condensate due to a broken valve on the above ground storage tank (AST). Upon arrival, a brief site assessment was conducted. Because depth to ground water was estimated to be between 50 and 100 feet, and because distance to surface water was between 200 and 1000 feet, the closure standard was determined to be 100 ppm total petroleum hydrocarbons (TPH) and 100 ppm organic vapors, in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases. Using a hand-auger, samples were collected from the surface and at depths ranging from 14 inches to five (5) feet below ground surface (BGS) within the berm. Samples were collected from the north, south, east and west corners of the area of release, directly surrounding the AST, from the north and east sides of the pit tank and outside of berm to the northeast and the southeast; see enclosed ***Figure 2, Site Map - Assessment***. The sample collected at five (5) feet BGS was analyzed in the field for organic vapors using a photo-ionization detector (PID). The sample returned results of 140 ppm organic vapors. All of the other samples were analyzed in the field for TPH using USEPA Method 418.1 and organic vapors using a PID. All of the samples returned results below the regulatory limits of 100 ppm TPH and 100 ppm organic vapors, with the exception of the sample collected from the north of the pit tank; see enclosed ***Table 1, Summary of Analytical Results*** and ***Appendix A, Analytical Results***. Envirotech, Inc. recommended removing the AST and the pit tank, excavating to approximate extents of 27' x 42' x >5' deep, and performing confirmation sampling activities.

On January 7, 2010 Envirotech, Inc. returned to the site to perform confirmation sampling activities. Prior to Envirotech's arrival, the area of release had been excavated to approximately 36' x 27' x 18' deep by CF&M Oilfield Services, Inc. Five (5) composite samples were collected from the excavation. One (1) sample was collected from the bottom and one (1) sample was collected from each of the four (4) walls. The samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The samples collected from the north wall, the east wall, and the south wall were below the regulatory limits of 100 ppm TPH and 100 ppm organic vapors. The samples from the bottom and from the west wall were below the regulatory limit of 100 ppm organic vapors; however both samples were above the regulatory limit of 100 ppm TPH. Therefore, excavation continued on the bottom and on the west wall to final extents of 36' x 28' x 19' deep; see enclosed ***Figure 3, Site Map - Confirmation***. Composite samples were collected from the west wall, and from the bottom at nineteen (19) feet BGS. The samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. Both samples were below the regulatory limits of 100

ppm TPH and 100 ppm organic vapors; therefore, no further excavation was required; see enclosed ***Table 1, Summary of Analytical Results*** and ***Appendix A, Analytical Results***.

Approximately 1,172 yards of contaminated soil was transported to Envirotech's NMOCD permitted soil remediation facility, Landfarm #2, located near Hilltop, New Mexico for remediation; see enclosed ***Appendix B, Bills of Lading***.

SUMMARY AND CONCLUSIONS

Spill assessment and confirmation sampling activities were performed at the Turner Hughes #13 well site located in Section 11, Township 27N, Range 9W, San Juan County, New Mexico. Approximately 1,172 yards of contaminated soil was transported to Envirotech's NMOCD permitted landfarm located near Hilltop, New Mexico for remediation; see enclosed ***Appendix B, Bills of Lading.***

STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed the spill assessment and confirmation sampling activities for a release of condensate at the at the Turner Hughes #13 well site located in Section 11, Township 27N, Range 9W, 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.

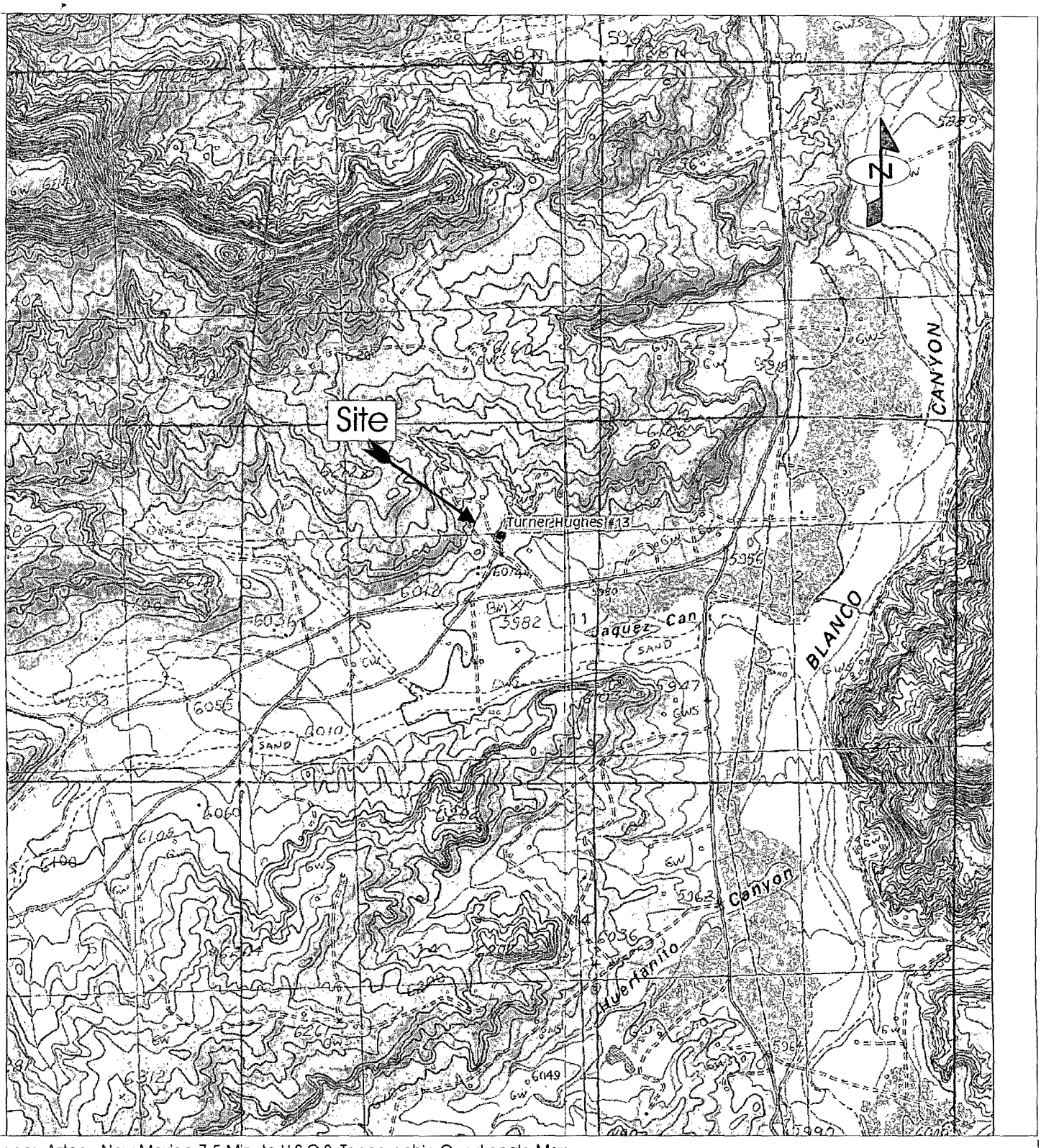
Rene Garcia
Field Technician
rgarcia@envirotech-inc.com

Reviewed by:

GREGORY W. CRABTREE
NEW MEXICO
19728
REGISTERED PROFESSIONAL ENGINEER

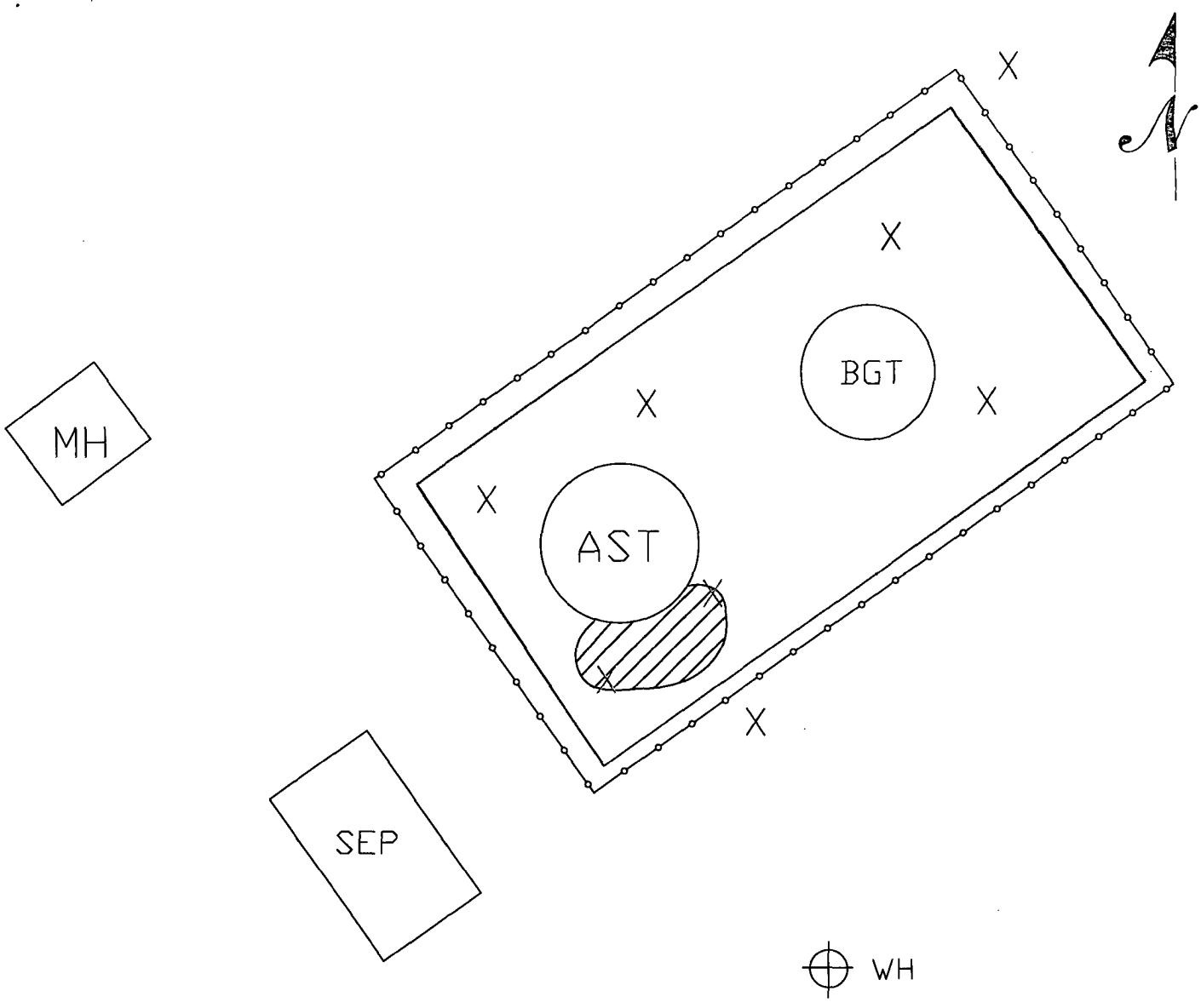
Greg Crabtree, PE
Project Engineer/Manager
gcrabtree@envirotech-inc.com

FIGURES



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

Burlington Resources Turner Hughes #13 Well Site Section 11, Tonwship 27N, Range 9W San Juan County, NM	ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401 PHONE (505) 632-0615	Vicinity Map Figure 1
PROJECT No 92115-1163 | Date Drawn: 1/11/10		DRAWN BY: Rene Garcia | PROJECT MANAGER: Greg Crabtree



LEGEND

BERM

FENCE LINE

X SPILL ASSESSMENT SAMPLE POINTS

AREA OF RELEASE

SITE MAP – ASSESSMENT
BURLINGTON RESOURCES
TURNER HUGHES #13 WELL SITE
SEC 11, TWP 27N, RNG 9W
SAN JUAN COUNTY, NEW MEXICO

SCALE: NOT TO SCALE	FIGURE NO. 2	REV
PROJECT NO. 92115-1163		

REVISIONS

NO.	DATE	BY	DESCRIPTION

MAP DRWN	BWW	1-11-10	BASE DRWN		

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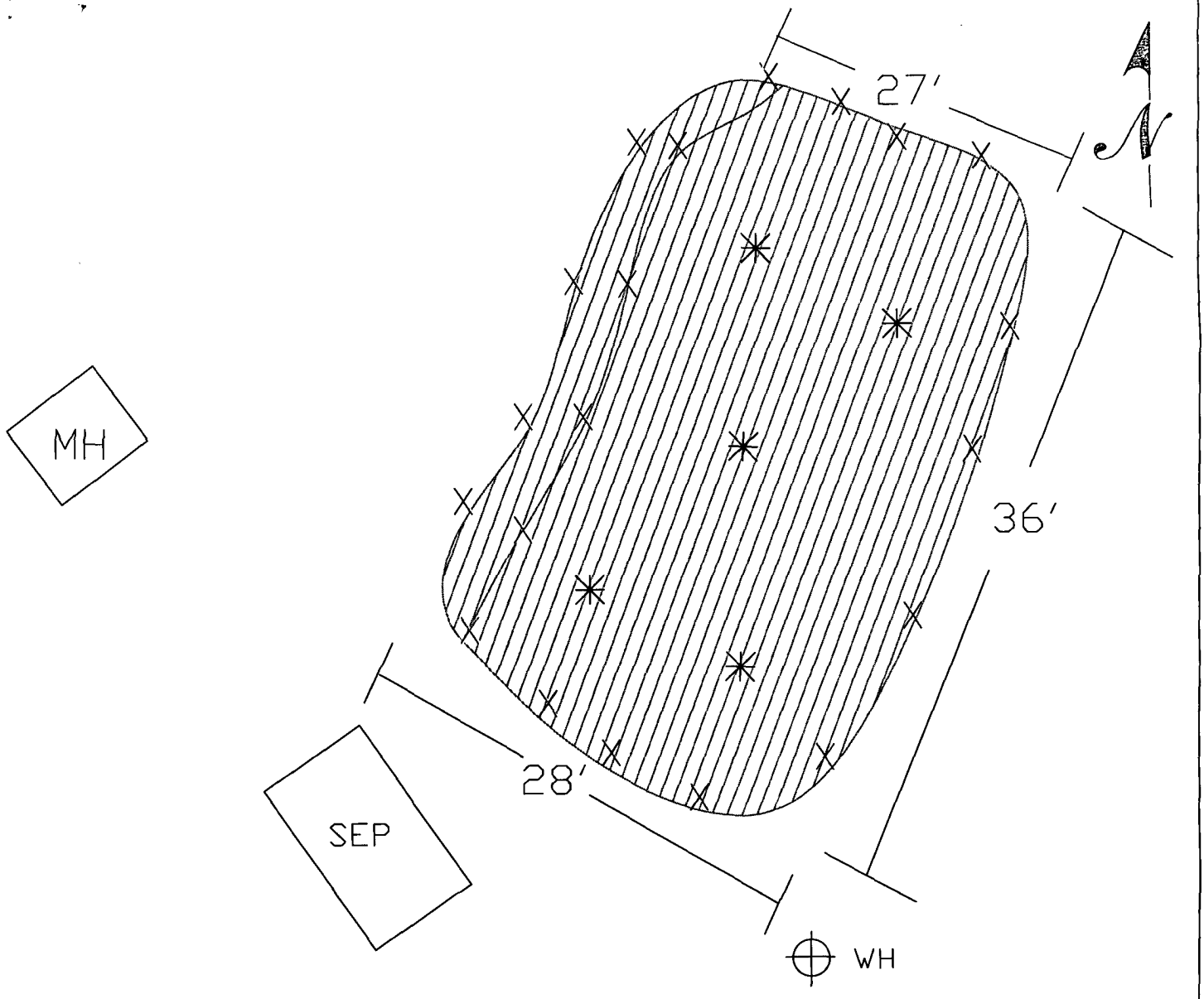

LEGEND

X CONFIRMATION SAMPLE POINTS (WALLS)

✳ CONFIRMATION SAMPLE POINTS (BOTTOM)

EXCAVATED AREA

SITE MAP – CONFIRMATION
BURLINGTON RESOURCES
TURNER HUGHES #13 WELL SITE
SEC 11, TWP 27N, RNG 9W
SAN JUAN COUNTY, NEW MEXICO

SCALE: NOT TO SCALE	FIGURE NO. 3	REV
PROJECT NO. 92115-1163		

REVISIONS

NO.	DATE	BY	DESCRIPTION

MAP DRWN	BWW	1-11-10	BASE DRWN		

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TABLES

Table 1, Summary of Analytical Results
Spill Assessment and Confirmation Sampling Report
Contracted By ConocoPhillips
Burlington Resources
Turner Hughes #13 Well Site
Project No. 92115-1163

Sample Description	Sample Number	Date	TPH (ppm) EPA Method 418.1	OVM (ppm)
Navajo EPA Standards	NA	NA	100	100
Spill Assessment Samples				
North Corner at 14" BGS	1	12/29/2009	48	10.9
South Corner at 14" BGS	2	12/29/2009	44	4.9
South Corner - Surface	3	12/29/2009	44	3.0
Center of Spill Area at 5' BGS	4	12/29/2009	ND	**140.0**
North of Pit Tank at 14" BGS	5	12/29/2009	**128**	**133.0**
East of Pit Tank at 14" BGS	6	12/29/2009	48	25.0
Southeast of Berm at 14" BGS	7	12/29/2009	80	9.7
Northeast of Berm at 14" BGS	8	12/29/2009	48	5.0
Confirmation Sampling Samples				
North Wall	1	2/7/2010	68	ND
South Wall	2	2/7/2010	72	ND
East Wall	3	2/7/2010	72	ND
West Wall	4	2/7/2010	**144**	ND
Bottom at 18' BGS	5	2/7/2010	**128**	ND
West Wall 2	6	2/7/2010	88	ND
Bottom at 19' BGS	7	2/7/2010	92	ND

ND = Non-Detect
* Values in **BOLD** above regulatory standards

APPENDIX A

Analytical Results

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	1	Date Reported:	2/10/2010
Sample ID:	North Corner at 14" BGS	Date Sampled:	12/29/2009
Sample Matrix:	Soil	Date Analyzed:	12/29/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**48**	**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: **Turner Hughes #13**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Robyn Jones
Printed

James McDaniel
Printed

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

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	2	Date Reported:	2/10/2010
Sample ID:	South Corner at 14" BGS	Date Sampled:	12/29/2009
Sample Matrix:	Soil	Date Analyzed:	12/29/2009
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:

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Robyn Jones
Printed

James McDaniel
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	3	Date Reported:	2/10/2010
Sample ID:	South Corner - Surface	Date Sampled:	12/29/2009
Sample Matrix:	Soil	Date Analyzed:	12/29/2009
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: **Turner Hughes #13**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Robyn Jones
Printed

James McDaniel
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	4	Date Reported:	2/10/2010
Sample ID:	Center at 5' BGS	Date Sampled:	12/29/2009
Sample Matrix:	Soil	Date Analyzed:	12/29/2009
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: **Turner Hughes #13**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Robyn Jones
Printed

James McDaniel
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	5	Date Reported:	2/10/2010
Sample ID:	North of Pit Tank	Date Sampled:	2/10/2010
Sample Matrix:	Soil	Date Analyzed:	2/10/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**128**	**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: **Turner Hughes #13**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Robyn Jones
Printed

James McDaniel
Printed

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

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	6	Date Reported:	2/10/2010
Sample ID:	East of Pit Tank	Date Sampled:	12/29/2009
Sample Matrix:	Soil	Date Analyzed:	12/29/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**48**	**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: **Turner Hughes #13**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Robyn Jones
Printed

James McDaniel
Printed

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

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	7	Date Reported:	2/10/2010
Sample ID:	Southeast of Berm	Date Sampled:	12/29/2009
Sample Matrix:	Soil	Date Analyzed:	12/29/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**80**	**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: **Turner Hughes #13**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Robyn Jones
Printed

James McDaniel
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	8	Date Reported:	2/10/2010
Sample ID:	Northeast of Berm	Date Sampled:	12/29/2009
Sample Matrix:	Soil	Date Analyzed:	12/29/2009
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**48**	**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: **Turner Hughes #13**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Robyn Jones
Printed

James McDaniel
Printed

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 29-Dec-09

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	188
	500	
	1000	

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

Analyst

2/10/10
Date

Robyn Jones
Print Name

Review

2/15/10
Date

James McDaniel
Print Name

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	1	Date Reported:	2/10/2010
Sample ID:	North Wall	Date Sampled:	1/7/2010
Sample Matrix:	Soil	Date Analyzed:	1/7/2010
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: **Turner Hughes #13**

Instrument calibrated to 186 ppm standard. Zeroed before each sample

Analyst

Rene Garcia
Printed

James McDaniel
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	2	Date Reported:	2/10/2010
Sample ID:	South Wall	Date Sampled:	1/7/2010
Sample Matrix:	Soil	Date Analyzed:	1/7/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**72**	**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: **Turner Hughes #13**

Instrument calibrated to 186 ppm standard. Zeroed before each sample

Analyst

Rene Garcia
Printed

James McDaniel
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	3	Date Reported:	2/10/2010
Sample ID:	East Wall	Date Sampled:	1/7/2010
Sample Matrix:	Soil	Date Analyzed:	1/7/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**72**	**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: **Turner Hughes #13**

Instrument calibrated to 186 ppm standard. Zeroed before each sample

Analyst

Rene Garcia
Printed

James McDaniel
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	4	Date Reported:	2/10/2010
Sample ID:	West Wall	Date Sampled:	1/7/2010
Sample Matrix:	Soil	Date Analyzed:	1/7/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**144**	**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: **Turner Hughes #13**

Instrument calibrated to 186 ppm standard. Zeroed before each sample

Analyst

Rene Garcia
Printed

James McDaniel
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	5	Date Reported:	2/10/2010
Sample ID:	Bottom at 18' BGS	Date Sampled:	2/10/2010
Sample Matrix:	Soil	Date Analyzed:	2/10/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**128**	**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: **Turner Hughes #13**

Instrument calibrated to 186 ppm standard. Zeroed before each sample

Analyst

Rene Garcia
Printed

James McDaniel
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	6	Date Reported:	2/10/2010
Sample ID:	West Wall 2	Date Sampled:	1/7/2010
Sample Matrix:	Soil	Date Analyzed:	1/7/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**88**	**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: **Turner Hughes #13**

Instrument calibrated to 186 ppm standard. Zeroed before each sample

Analyst

Rene Garcia
Printed

James McDaniel
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-1163
Sample No.:	7	Date Reported:	2/10/2010
Sample ID:	Bottom at 19' BGS	Date Sampled:	1/7/2010
Sample Matrix:	Soil	Date Analyzed:	1/7/2010
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: **Turner Hughes #13**

Instrument calibrated to 186 ppm standard. Zeroed before each sample

Analyst

Rene Garcia
Printed

James McDaniel
Printed

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 7-Jan-10

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	186	200
	200	
	500	
	1000	

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

Analyst

2/15/10
Date

Rene Garcia
Print Name

Review

2/15/10
Date

James McDaniel
Print Name

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APPENDIX B

Bills of Lading

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Bill of Lading

MANIFEST # 35011

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 1-8-10 JOB# 92115-1201

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Burlington Turner Hughes #3	LF II	Cont Soil	P 11	12	—	Killen Bros	69	12:40	
2	"	"	"	P 11	12	—	Triple F	32	12:46	
3	"	"	"	P 13	20		Crazy Js	08	3:13	
4	"	"	"	P 13	12		Killen Bros	69	3:14	
5	"	"	"	P 13	20		M+M	99	3:15	
6	"	"	"	P 14	20		Prod Farms	P3	3:16	
					96					

RESULTS:

298	CHLORIDE TEST	6
	PAINT FILTER TEST	6

LANDFARM EMPLOYEE: Gary Robinson (acp)

NOTES:

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Milford Duncan COMPANY M&M SIGNATURE

COMPANY CONTACT Dale Montoya PHONE 330-1525 DATE 1-8-10

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Bill of Lading

MANIFEST # 35006

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 1-8-10 JOB# 92115-1201

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Burlington Turner Hughes #13	LF II	Cont Soil	P 12	20	—	Crazy JJJ's	08	9:43	
2	"	"	"	P 12	20	—	M+M	99	9:44	
3	"	"	"	P 12	20	—	M+M		9:46	
4	"	"	"	P 12	12	—	Killan Bros	69	9:47	
5	"	"	"	P 12	20	—	Prado Farms	P3	948	
6	"	"	"	P 13	12	—	Triple F	32	9:57	
7	"	"	"	P 13	20	—	Triple F	31	956	
8	"	"	"	P 13	20	—	Prado Farms	P3	1220	
9	"	"	"	P 13	20	—	Crazy JJJ's	08	12:20	
10	"	"	"	P 13	20	—	M+M	99	1220	
11	"	"	"	P 11	20	—	Mom	06	1229	
12	"	"	"	P 11	20	—	Triple F	31	124	

RESULTS:

<298	CHLORIDE TEST	12
	PAINT FILTER TEST	12

LANDFARM EMPLOYEE: Gary Robinson 224

NOTES:

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Sandy Giles COMPANY M+M SIGNATURE Sandy Giles

COMPANY CONTACT Dale Montoya PHONE 330-1525 DATE 1-8-10

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Bill of Lading

MANIFEST # 34997

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 1-7-10 JOB# 92115-1201

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH LF II	Burlington Turner Hughes #13	Clean Fill Soil	—	20	—	Crazy JJJ's	08	1306	
2			"							
3	"	"	"	—	10	—	Killer Bee	69	1306	
4					30					
5										
6										
7										
8										
9										

RESULTS:

CHLORIDE TEST	
PAINT FILTER TEST	

LANDFARM EMPLOYEE:

NOTES:
NO Item ON Line 2

ENTERED JAN 0 8 2010

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator. and that no additional materials have been added."

NAME Sandy Biles COMPANY MEM SIGNATURE

COMPANY CONTACT Jerry Montoya PHONE 330-0837 DATE 1-7-10

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Bill of Lading

MANIFEST # 34996

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 1-7-10 JOB# 92115-1201

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Burlington Turner Hughes #3	LF II	Cont Soil	P11	12	—	Triple F	32	1306	Ellen Bell
2	" "	"	"	P12	20	—	Crazy JJJ	08	1306	Joe Dominguez
3	" "	"	"	P11	20	—	Prado Farms	P3	1533	R Prado
4	" "	"	"	P12	20	—	M+M	6	15:38	Sandy Giles
5	" "	"	"	P-12	20	—	M+M	94	15:38	Jerry Montoya
6	" "	"	"	P12	20	—	Triple F	31	15:49	[illegible]
7	" "	"	"	P12	20	—	Inland	33	15:50	[illegible]
8	" "	"	"	P11	12	—	Triple F	32	15:51	Ellen Bell
9	" "	"	"	P13	20	—	Crazy JJJ	08	15:51	Joe Dominguez
10	" "	"	"	P11	12	—	Killerbee	69	15:51	[illegible]
					176					

RESULTS:

-298	CHLORIDE TEST	10
	PAINT FILTER TEST	10

LANDFARM EMPLOYEE: Gary Robinson

NOTES: ENTERED JAN 0 8 2010

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Sandy Giles COMPANY M & M SIGNATURE Sandy Giles

COMPANY CONTACT Jerry Montoya PHONE 330-0837 DATE 1-7-10

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Bill of Lading

MANIFEST # 34993

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 1-7-10 JOB# 92115-1201

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Burlington Turner Hughes #13	LF II	Cont Soil	P15	20	—	M&M	06	939	Sandy Giles
2	"	"	"	P15	20	—	M+M	99	9:41	Jerry Montoya
3				P15	20	—	Triple F	31	943	
4				N15	14	—	Killon Bros TET	69	9:43	
5				P14	20	—	Inland Co	33	9:45	
6				N15	12	—	Triple F	32	946	Elden
7				P14	20	—	Crazy JJ's	05	10:36	
8				P13	20	—	M & M	06	1224	Sandy Giles
9				P13	20	—	M & M	99	1224	Jerry Montoya
10				P11	20		Inland Co	33	1306	
11				P11	10		Killon Bros	69	1306	
12	"	"	"	P12	20		Triple F	31	1306	

RESULTS:

<298	CHLORIDE TEST	12
	PAINT FILTER TEST	12

LANDFARM EMPLOYEE: Gary Robinson 216

NOTES:

ENTERED JAN 0 8 2010

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Sandy Giles COMPANY M&M SIGNATURE Sandy Giles

COMPANY CONTACT Jerry Montoya PHONE 330-0837 DATE 1-7-10

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Bill of Lading

MANIFEST # 34985

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 1-6-10 JOB# 92115-1204

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Burlington Turner Hughes #13	LF II	Cont Soil	N15	20	—	M+M	99	13:00	
2	"	"	"	N15	20	—	Crazy JJ	08	15:09	
3	"	"	"	N15	20	—	Triple E	81	1509	
					60					

RESULTS:

<298	CHLORIDE TEST	3
	PAINT FILTER TEST	3

LANDFARM EMPLOYEE: Gary Robinson

NOTES: ENTERED JAN 0 8 2010

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Jerry Manto COMPANY M+M SIGNATURE

COMPANY CONTACT Jessy Montoya PHONE 947-7531 DATE 1-6-10

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Bill of Lading

MANIFEST # 34980

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 1-6-10 JOB# 92115-1201

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Burlington Turner Hughes #13	LFII	Con't Soil	N13	20	—	M&M	06	1004	
2	"	"	"	N13	20	—	M&M	99	1004	
3	"	"	"	N14	20	—	Prado Farms	P3	1004	
4	"	"	"	N14	20	—	Crazy [illegible]	08	1025	
5	"	"	"	N14	20	—	Triple F	31	1025	
6	"	"	"	N14	20	—	M&M	06	1237	
7	"	"	"	N14	20	—	M&M	99	1237	
8	"	"	"	N14	20	—	Prado Farms	P3	1238	
9	"	"	"	N14	20	—	Crazy [illegible]	08	1244	
10	"	"	"	N14	20	—	Triple F	31	1245	
11				N15	20	—	M&M	06	2:57	
12				N15	20	—	Prado Farms	P3	257	

RESULTS:

<298	CHLORIDE TEST	12
	PAINT FILTER TEST	12

LANDFARM EMPLOYEE: Gary Robinson 240

NOTES:

ENTERED JAN 0 8 2010

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Roger Prado COMPANY Prado Farms SIGNATURE

COMPANY CONTACT Jerry Montoya PHONE 947 7531 DATE 1-6-10

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Bill of Lading

MANIFEST # 34973

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 1-5-10 JOB# 92115-1201

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Burlington Tucker Hugus #13	L.F II	Con't	N 11	20	-	T-J.	8	1057	
2	"	"	"	N 11	20	-	m+m	06	1057	
3	"	"	"	N 12	20	-	m+m	11	1227	
4	"	"	"	N 12	20	-	m+m	99	1227	
5	"	"	"	N 12	20	-	T J.	8	1346	
6	"	"	"	N 12	20	-	m m	06	1346	
7	"	"	"	N 13	20	-	m+m	11	15:10	
8	"	"	"	N 13	20	-	m+m	99	15:10	
					160					

RESULTS:

<298	CHLORIDE TEST	8
	PAINT FILTER TEST	8

LANDFARM EMPLOYEE: Gary R

NOTES: ENTERED JAN 0 8 2010

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Larry Lord COMPANY MNT INC SIGNATURE

COMPANY CONTACT Jerry Montoya PHONE 330-[illegible]0837 DATE 1-5-10