

1625 N. French Dr., Hobbs, NM 88240
 District II
 811 S. First St., 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 Department

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

Incident ID	NBP0802950165
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party GREAT WESTERN DRILLING COMPANY	OGRID 26070
Contact Name DENNIS L. HENDRIX	Contact Telephone (432)682-5241
Contact email dhendrix@gwdc.com	Incident # (assigned by OCD) 0802950165
Contact mailing address PO BOX 1659 MIDLAND, TX 79702	

Location of Release Source

Latitude 36.848922 Longitude -107.9415894
 (NAD 83 in decimal degrees to 5 decimal places)

Site Name PUBCO STATE #1B	Site Type BATTERY
Date Release Discovered 03/12/2007	API# (if applicable) 30-045-29500

Unit Letter	Section	Township	Range	County
0	36	31N	11W	SAN JUAN

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 25	Volume Recovered (bbls) 0
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
 Hole in tanks and condensate was contained in the firewall.

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?

☐ Yes ☒ No

If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

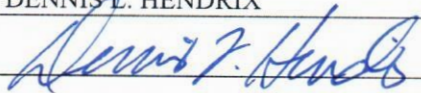
If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: DENNIS L. HENDRIX

Title: VP / MANAGER OF OPERATIONS

Signature: 

Date: 10/19/23

email: dhendrix@gwdc.com

Telephone: (432)682-5241

OCD Only

Received by: Shelly Wells

Date: 10/19/2023

Incident ID	
District RP	
Facility ID	
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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141

State of New Mexico

Page 4

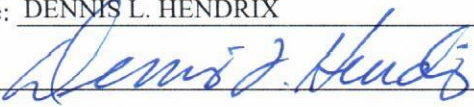
Oil Conservation Division

Incident ID	
District RP	
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Printed Name: DENNIS L. HENDRIX

Title: VP / MANAGER OF OPERATIONS

Signature: 

Date: 10/19/23

email: dhendrix@gwdc.com

Telephone: (432)682-5241

OCD Only

Received by: _____

Date: _____

Incident ID	
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Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: DENNIS L. HENDRIX

Title: VP / MANAGER OF OPERATIONS

Signature: 

Date: 10/19/23

email: dhendrix@gwdc.com

Telephone: (432)682-5241

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____

Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

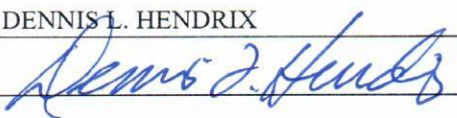
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: DENNIS L. HENDRIX

Title: VP / MANAGER OF OPERATIONS

Signature: 

Date: 10/19/23

email: dhendrix@gwdc.com

Telephone: (432)682-5241

OCD Only

Received by: Shelly Wells

Date: 10/19/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: 

Date: 11/03/2023

Printed Name: Ashley Maxwell

Title: Environmental Specialist

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

November 15, 2007

Project No. 99010-003

Mr. Cullen Keller
7415 E. Main Street
Farmington, New Mexico 87402

(505) 327-0495 Fax
(505) 327-0494 Office
(505) 320-2365 Cell

RE: BIO PILE SAMPLING LOCATED AT THE PUBCO STATE COM #1B, SAN JUAN COUNTY, NEW MEXICO.

Dear Mr. Keller,

Enclosed are the analytical results for the samples collected from the location designated above.

Four (4) composite samples were field tested per the United States Environmental Protection Agency's (USEPA) Method 418.1 for Total Petroleum Hydrocarbons (TPH) and for Organic Vapors (OV) with a Photo Ionization Detector (PID).

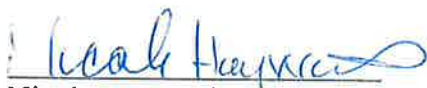
The TPH results were below the NMOCD standard of 1000 ppm and the OV were also below the required 100 ppm closure standard.

Due to results below the regulatory limit for this site, Envirotech considers these bio piles as closed and has begun the process of backfilling the excavation on site with this material.

Should you have any question or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully Submitted,

ENVIROTECH, INC.



Nicole Hayworth
Environmental Scientist
nhayworth@envirotech-inc.com

MASTER

ENVIROTECH Inc.

5798 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615PIT No: _____
C.O.C #: _____FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATIONJOB No: 99010-005
PAGE No: 1 of 1FACILITY LOCATION: PUBLIC STATE CORP #113
SOURCE LOCATION: SAME
SOURCE LOCATION: _____
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____DATE STARTED: 2-NOV-07
DATE FINISHED: _____ENVIRONMENTAL
SPECIALIST: J. THOMPSON

PIT TYPE: _____

SOIL REMEDIATION: QUANTITY: 645 CY # OF COMP. SAMPLES: 4
DIMENSIONS: 75' x 27' x 7' AND 55' x 27' x 8'

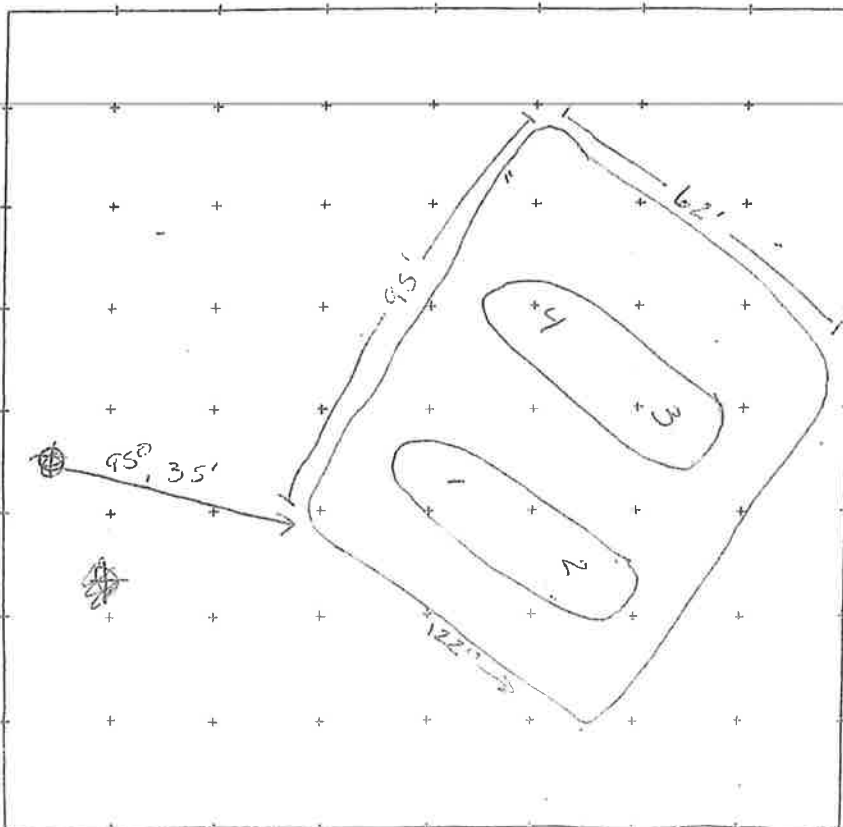
VISIBLE OBSERVATIONS: _____

SAMPLING PLAN: _____

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 75 YARDS 180° FROM WELLHEAD.
FEETDEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER:
MAX TPH PER NMOC:No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:

OVM
RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	11.5
2	42.5
3	14.7
4	13.8

LAB
RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM
1	MPH	820
2	↓	768
3	↓	5104
4	↓	964

↑
NORTH

WELLHEAD

↓
SURFACE
FLOW DIR.ESTIMATED
GROUNDWATER
FLOW DIR.

552 197/200

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	1	Date Reported:	11/5/2007
Sample ID:	Composite #1, Southwest	Date Sampled:	11/2/2007
Sample Matrix:	Soil	Date Analyzed:	11/2/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	820	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: **Pubco State Com #1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Juli Thompson

Printed



Review

Nicole Hayworth

Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	2	Date Reported:	11/5/2007
Sample ID:	Composite #2, Southeast	Date Sampled:	11/2/2007
Sample Matrix:	Soil	Date Analyzed:	11/2/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	768	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: **Pubco State Com #1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Juli Thompson

Printed



Review

Nicole Hayworth

Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	3	Date Reported:	11/5/2007
Sample ID:	Composite #3, Northeast	Date Sampled:	11/2/2007
Sample Matrix:	Soil	Date Analyzed:	11/2/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	564	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: **Pubco State Com #1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Juli Thompson

Printed



Review

Nicole Hayworth

Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	4	Date Reported:	11/5/2007
Sample ID:	Composite #4, Northwest	Date Sampled:	11/2/2007
Sample Matrix:	Soil	Date Analyzed:	11/2/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	964	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: **Pubco State Com #1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Juli Thompson

Printed



Review

Nicole Hayworth

Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 2-Nov-07

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	197
	200	
	500	
	1000	

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

J. Thompson
Analyst

5-Nov-07
Date

Juli Thompson
Printed

Nicole Hayworth
Review

11/5/07
Date

Nicole Hayworth
Printed

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SPILL CLEANUP PUBCO STATE COM # 1B SAN JUAN COUNTY, NEW MEXICO

FOR:

MR. CULLEN KELLER
GREAT WESTERN DRILLING
7415 EAST MAIN STREET
FARMINGTON, NEW MEXICO 87401



PROJECT NO. 99010-003
AUGUST 2007

ENVIRO

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



August 22, 2007

Project No. 99010-003

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

Phone (505) 320-2365

**RE: SPILL CLEANUP REPORT AT THE PUBCO STATE COM #1B WELL SITE, SEC 36,
TWP 31N, RNG 11W, SAN JUAN COUNTY, NEW MEXICO**

Dear Mr. Keller:

Enclosed, please find one (1) original and two (2) copies of the report titled, *Spill Clean-up Report*, giving an overview of spill cleanup activities at the Pubco State Com #1B Well Site, located in San Juan County, New Mexico.

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

Respectfully Submitted,
ENVIROTECH, INC.

A handwritten signature in blue ink, appearing to read "E. Nicole Hayworth", is written over the typed name.

E. Nicole Hayworth
Environmental Scientist
nhayworth@envirotech-inc.com

Enclosure: Report

Cc: Client File No. 99010

**GREAT WESTERN DRILLING
SPILL CLEANUP REPORT
PUBCO STATE COM # 1B**

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Great Western Drilling
Pubco State Com #1B
August 20, 2007
Project No. 99010-003
Page 1

INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by Great Western Drilling to provide monitoring and guidance in the environmental excavation of a condensate spill at the Pubco State Com #1B, Sec 36, Twp 31N, Rng 11W, San Juan County, New Mexico; see *Figure 1, Vicinity Map*. The released condensate appeared to have been contained in the bermed area around the Aboveground Storage Tank (AST).

ACTIVITIES PERFORMED

An initial site assessment was performed on June 1, 2007. Upon arriving onsite Envirotech discovered two (2) test holes to varying depths, and three (3) disconnected aboveground storage tanks (AST). It was determined that the source of the release was the ASTs and that the majority of the contamination was contained by the berm surrounding the tanks. A representative from Great Western Drilling was onsite and informed Envirotech that samples were collected from the bottom of the test holes, however the results of these samples were not provide to Envirotech.

Between the initial site assessment and the beginning of excavation arrangements were being made to get the correct permits to allow onsite remediation of the contaminated materials. Final permits were obtained by Great Western Drilling from NMOCD.

Excavation began on July 18, 2007. Envirotech was met onsite by two (2) Great Western Drilling representatives. In order to ensure that only contaminated soil above the regulatory standard of 1000 ppm Total Petroleum Hydrocarbon (TPH) was excavated samples were taken frequently. Samples were analyzed in the field using USEPA Method 418.1 for TPH and a Photo Ionization Detector (PID) for organic vapors (OV). At the end of the day the excavation reached 12 feet deep and the sample collected from the bottom and the west wall tested below the regulatory limits; see *Appendix A, Analytical Results* and *Table 1, Field Analysis Results*. Excavated soil was stockpiled onsite and prepared for an onsite landfarm; see *Appendix B, Site Photography*.

Excavation continued on July 27, 2007 on the three (3) remaining sidewalls. Samples were again collected and analyzed in the field for TPH and OV. Removed contaminated soil remained onsite to be remediated onsite by biopile. Final dimensions of the excavation were approximately 49' x 32' x 12'deep; see *Figure 2, Site Map*.

Samples that were analyzed and found to be below the regulatory limits for TPH but did not pass the limits for OV were transported under chain of custody to Envirotech's Laboratory and analyzed using USEPA Method 8021 Aromatic Volatile Organics. Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) are a few of the parameters analyzed for using USEPA Method 8021. The regulatory limit for Benzene is 5000 ppb and the limit for BTEX is 50000 ppb. Both samples analyzed for BTEX were below these limits.

Great Western Drilling
 Pubco State Com #1B
 August 20, 2007
 Project No. 99010-003
 Page 2

Table 1: Field Analysis Results

Sample Location	Date of Sample	TPH (ppm)	OV (ppm)
Bottom @ 6' BGS	07/18/07	3760	119
Bottom @ 8' BGS	07/18/07	6496	245
Black	07/18/07	13056	267
Stockpile	07/18/07	9088	265
Bottom @ 10' BGS	07/18/07	3160	485
Bottom @ 12' BGS	07/18/07	872	519*
South Wall	07/18/07	5328	277
North Wall	07/18/07	12720	227
West Wall	07/18/07	252	89
East Wall	07/18/07	18000	235
East Wall Comp	07/27/07	1660	184
North Wall	07/27/07	812	274*
South Wall	07/27/07	288	94
East Wall Comp #2	07/27/07	44	2.1
NMOCD Regulatory Limits		1000	100

- Items in bold above regulatory limit

* BTEX results in lab

No backfill was brought in from offsite per Great Western Drillings request. Envirotech understands that the remediated soil from the biopile will be used as backfill once analysis shows that the contamination in the soil is below the regulatory standards. The excavation was left open and fenced per Great Western Drillings request.

SUMMARY AND CONCLUSIONS

Contaminated soil was excavated to approximately 49' x 32' x 12'deep. All contaminated soil remained onsite for remediation by biopile per Great Western Drilling's request. Per the permit allowing onsite remediation the soil needs to be turned and sampled on a monthly basis until analysis show that all the contaminated soil has been remediated.

STATEMENT OF LIMITATIONS


Envirotech has completed the monitoring of environmental excavation at the Pubco State Com #1B, Sec 36, Twp 31N, Rng 11W, San Juan County, New Mexico. The work and services provided by Envirotech were in accordance with the New Mexico Oil Conversation Division standards. All observations and conclusions provided here are based on the information and current site conditions found at the site throughout the incident.

Great Western Drilling
Pubco State Com #1B
August 20, 2007
Project No. 99010-003
Page 3

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. Should you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,
ENVIROTECH INC.



E. Nicole Hayworth
Environmental Scientist
nhayworth@envirotech-inc.com

Reviewed by:



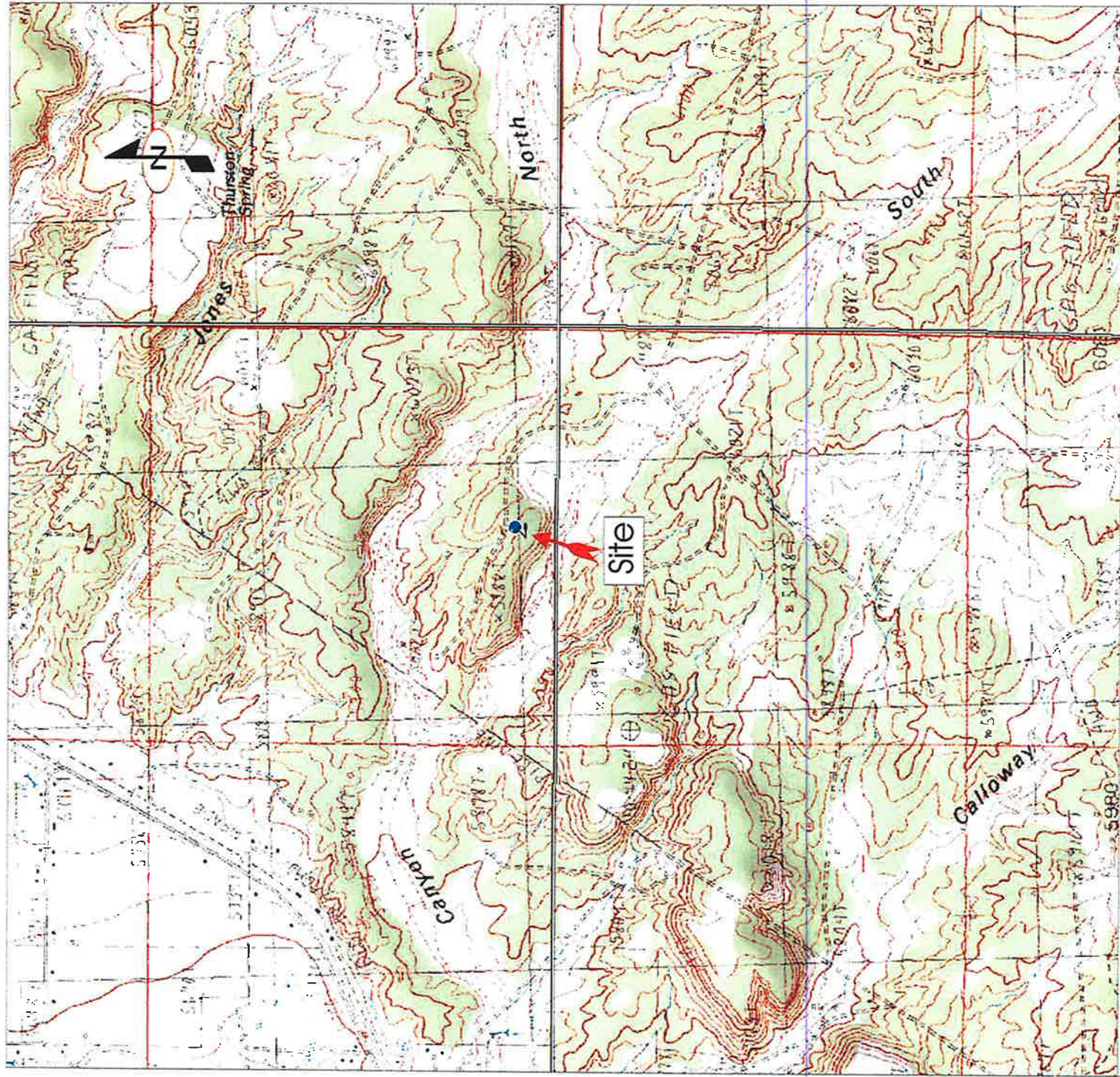
Kyle P. Kerr
Senior Environmental Scientist/Manager
NMCES #299
kpkerr@envirotech-inc.com



Figures

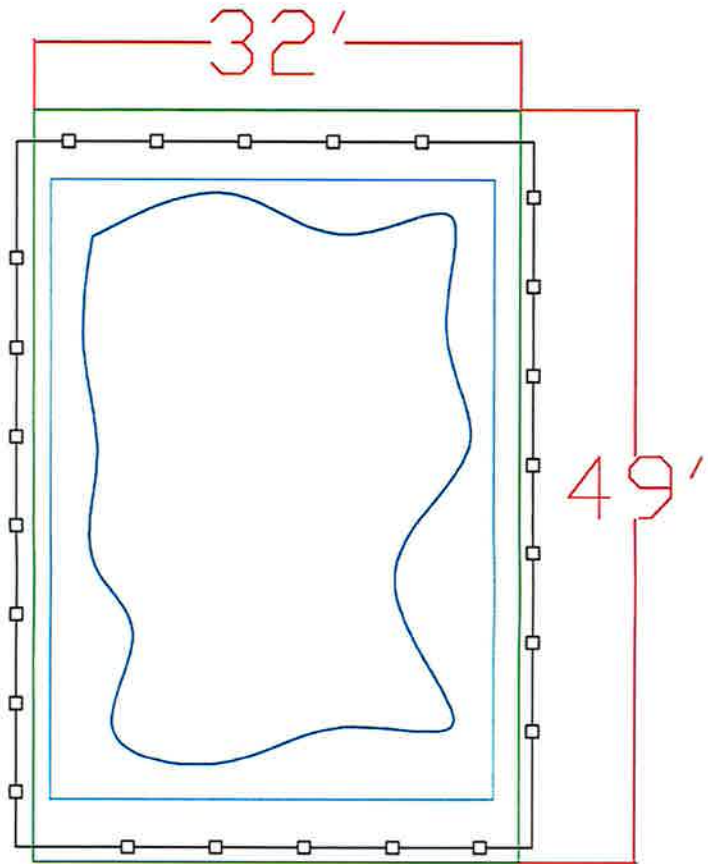
Figure 1, Vicinity Map

Figure 2, Site Map



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

Great Western Drilling Pubco State Com #1B Section 36 T 31N R 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
PROJECT No 99010-003		Date Drawn: 08/09/07	Figure 1
		DRAWN BY: N. Hayworth	PROJECT MANAGER: Kyle P. Kerr



LOCATION	TPH (PPM)	OV (PPM)
BOTTOM	872	519
NORTH WALL	812	274
SOUTH WALL	288	94
EAST WALL	44	2.1
WEST WALL	252	89
SAMPLE THAT WERE USED FOR CLOSURE		

SITE MAP
GREAT WESTERN DRILLING
 PUBCO ST. COM #1B
 P SEC36 T31N R11W
 SAN JUAN COUNTY, NEW MEXICO

SCALE: 1" = 12'

PROJECT NO.99010-003

FIGURE NO. 2

REV

REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP DRWN	J.A.	6/4/07	BASE DRWN

ENVIRONMENTAL SCIENTISTS & ENGINEERS
ENVIROTECH
 5796 U.S. HIGHWAY 64, FARMINGTON, NM 87410 505-632-0615

LEGEND

	BERM		WELLHEAD
	FENCE		SEPARATOR
	DIMENSIONS		VISIBLE CONTAMINATION
	EXCAVATION		

Appendix A

Analytical Results

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	1	Date Reported:	8/8/2007
Sample ID:	Bottom @ 6' BGS	Date Sampled:	7/18/2007
Sample Matrix:	Soil	Date Analyzed:	7/18/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	3,760	5.0
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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: **Pubco State Com #1B**

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

Nicole Hayworth

Printed

Review

Greg Crabtree

Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	2	Date Reported:	8/8/2007
Sample ID:	Bottom @ 8' BGS	Date Sampled:	7/18/2007
Sample Matrix:	Soil	Date Analyzed:	7/18/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	6,496	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: **Pubco State Com #1B**

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

Nicole Hayworth

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	3	Date Reported:	8/8/2007
Sample ID:	Black Colored Soil	Date Sampled:	7/18/2007
Sample Matrix:	Soil	Date Analyzed:	7/18/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	13,056	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: **Pubco State Com #1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	4	Date Reported:	8/8/2007
Sample ID:	Stockpile	Date Sampled:	7/18/2007
Sample Matrix:	Soil	Date Analyzed:	7/18/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

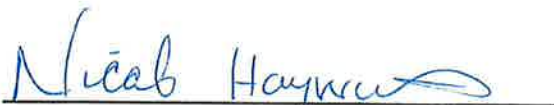
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	9,088	5.0

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: **Pubco State Com #1B**

Instrument callibrated to 200 ppm standard. Zeroed before each sample



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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	5	Date Reported:	8/8/2007
Sample ID:	Bottom @ 10' BGS	Date Sampled:	7/18/2007
Sample Matrix:	Soil	Date Analyzed:	7/18/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	3,160	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: **Pubco State Com #1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	6	Date Reported:	8/8/2007
Sample ID:	Bottom @ 12' BGS	Date Sampled:	7/18/2007
Sample Matrix:	Soil	Date Analyzed:	7/18/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	872	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: **Pubco State Com #1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	7	Date Reported:	8/8/2007
Sample ID:	South Wall	Date Sampled:	7/18/2007
Sample Matrix:	Soil	Date Analyzed:	7/18/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	5,328	5.0
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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: **Pubco State Com #1B**

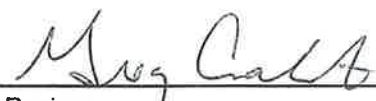
Instrument calibrated to 200 ppm standard. Zeroed before each sample



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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	8	Date Reported:	8/8/2007
Sample ID:	North Wall	Date Sampled:	7/18/2007
Sample Matrix:	Soil	Date Analyzed:	7/18/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

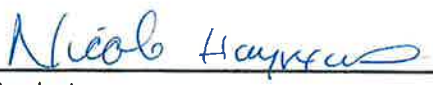
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	12,720	5.0

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: **Pubco State Com #1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	9	Date Reported:	8/8/2007
Sample ID:	West Wall	Date Sampled:	7/18/2007
Sample Matrix:	Soil	Date Analyzed:	7/18/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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

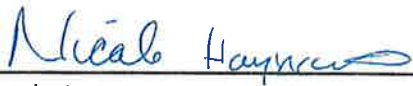
Total Petroleum Hydrocarbons	252	5.0
------------------------------	-----	-----

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: **Pubco State Com #1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	10	Date Reported:	8/8/2007
Sample ID:	East Wall	Date Sampled:	7/18/2007
Sample Matrix:	Soil	Date Analyzed:	7/18/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	18,000	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: **Pubco State Com #1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 18-Jul-07

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	199
	200	
	500	
	1000	

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

Nicole Hayworth
Analyst

08/09/07
Date

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Review

8/13/07
Date

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	11	Date Reported:	8/8/2007
Sample ID:	East Wall Comp	Date Sampled:	7/27/2007
Sample Matrix:	Soil	Date Analyzed:	7/27/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,660	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: **Pubco State Com #1B**

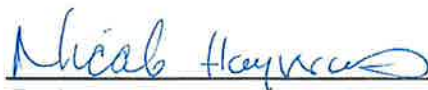
Instrument calibrated to 200 ppm standard. Zeroed before each sample



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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	12	Date Reported:	8/8/2007
Sample ID:	North Wall Comp	Date Sampled:	7/27/2007
Sample Matrix:	Soil	Date Analyzed:	7/27/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	812	5.0
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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: **Pubco State Com #1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



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ENVIROTECH INC.**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	13	Date Reported:	8/8/2007
Sample ID:	South Wall Comp	Date Sampled:	7/27/2007
Sample Matrix:	Soil	Date Analyzed:	7/27/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	288	5.0

ND = Parameter not detected at the stated detection limit.

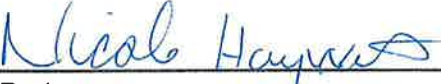
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Pubco State Com #1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Great Western Drilling	Project #:	99010-003
Sample No.:	14	Date Reported:	8/8/2007
Sample ID:	East Wall Comp #2	Date Sampled:	7/27/2007
Sample Matrix:	Soil	Date Analyzed:	7/27/2007
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: **Pubco State Com #1B**

Instrument callibrated to 200 ppm standard. Zeroed before each sample


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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 27-Jul-07


Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	225
	500	
	1000	

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


Analyst

08/09/07
Date

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08/09/07
Date

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Great West Drilling	Project #:	99010-003
Sample ID:	12' BGS	Date Reported:	07-23-07
Laboratory Number:	42483	Date Sampled:	07-18-07
Chain of Custody:	3027	Date Received:	07-18-07
Sample Matrix:	Soil	Date Analyzed:	07-23-07
Preservative:	Cool	Date Extracted:	07-19-07
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	8.6	1.7
Ethylbenzene	32.3	1.5
p,m-Xylene	467	2.2
o-Xylene	46.1	1.0
Total BTEX	554	

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: Pubco State Com #1B


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	07-23-BTEX QA/QC	Date Reported:	07-23-07
Laboratory Number:	42455	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-23-07
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	2.2742E+007	2.2787E+007	0.2%	ND	0.2
Toluene	2.0017E+007	2.0057E+007	0.2%	ND	0.2
Ethylbenzene	1.5207E+007	1.5237E+007	0.2%	ND	0.2
p,m-Xylene	3.2966E+007	3.3032E+007	0.2%	ND	0.2
o-Xylene	1.4011E+007	1.4039E+007	0.2%	ND	0.1

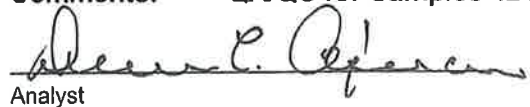
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	7.1	7.1	0.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	ND	ND	0.0%	0 - 30%	2.2
o-Xylene	ND	ND	0.0%	0 - 30%	1.0


Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	7.1	50.0	57.1	100.0%	46 - 148
Ethylbenzene	ND	50.0	49.9	99.8%	32 - 160
p,m-Xylene	ND	100	100	99.9%	46 - 148
o-Xylene	ND	50.0	49.9	99.8%	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 42455, 42464 - 42467, 42483


Analyst


Review

502

san juan reproduction 578-129

ENVIROTECH LABS**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Great Western Drilling	Project #:	99010-003
Sample ID:	North Wall	Date Reported:	07-30-07
Laboratory Number:	42579	Date Sampled:	07-27-07
Chain of Custody:	3088	Date Received:	07-27-07
Sample Matrix:	Soil	Date Analyzed:	07-30-07
Preservative:	Cool	Date Extracted:	07-27-07
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	6.2	1.8
Toluene	294	1.7
Ethylbenzene	229	1.5
p,m-Xylene	1,360	2.2
o-Xylene	240	1.0
Total BTEX	2,130	

ND - Parameter not detected at the stated detection limit.

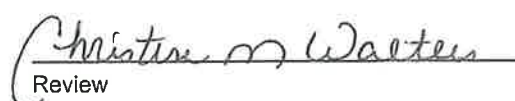
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Pubco State Com #1B


Analyst


Review

ENVIROTECH LABS**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	07-30-BTEX QA/QC	Date Reported:	07-30-07
Laboratory Number:	42538	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-30-07
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	1.3339E+007	1.3366E+007	0.2%	ND	0.2
Toluene	1.3279E+007	1.3306E+007	0.2%	ND	0.2
Ethylbenzene	1.0617E+007	1.0638E+007	0.2%	ND	0.2
p,m-Xylene	2.5045E+007	2.5095E+007	0.2%	ND	0.2
o-Xylene	1.0256E+007	1.0276E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	7.3	7.3	0.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	2.9	2.9	0.0%	0 - 30%	2.2
o-Xylene	ND	ND	0.0%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	7.3	50.0	57.2	99.8%	46 - 148
Ethylbenzene	ND	50.0	49.9	99.8%	32 - 160
p,m-Xylene	2.9	100	102	99.5%	46 - 148
o-Xylene	ND	50.0	49.9	99.8%	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 Photolonization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 42538 - 42540, 42549 - 42550, 42576, 42578 - 42579

Analyst

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506

san juan reproduction 578-129

Appendix B

Site Photography

**Great Western Drilling Spill Cleanup
Project No. 99010-003**



Photo 1: Test Hole #1



Photo 2: Test Hole # 2

**Great Western Drilling Spill Cleanup
Project No. 99010-003**



Photo 3: During Excavation with Contaminated Stockpile in Background



Photo 4: Visible Line of Contamination along the Walls

**Great Western Drilling Spill Cleanup
Project No. 99010-003**



Photo 5: Biopile



Photo 6: Excavation

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 274001

CONDITIONS

Operator: GREAT WESTERN DRILLING CO P.O. Box 1659 Midland, TX 79701	OGRID: 9338
	Action Number: 274001
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	11/3/2023