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

FINAL

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: Chevron USA Inc.	Contact: Don Lindsey
Address : 332 Road 3100, Aztec, NM 87410	Telephone No.: 505-333-1920
Facility Name: Nellie Platero 5A	Facility Type: O&G Well

Surface Owner: Navajo Tribal	Mineral Owner	Lease No.: I-149-IND-8464

API# 30-045-22672

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	11	27N	9W	1870	FSL	1135	FEL	Rio Arriba

Latitude 36.587583 **Longitude** -107.752833

NATURE OF RELEASE

Type of Release: Legacy/Historical Hydrocarbon / Produced Water	Volume of Release: Unknown	Volume Recovered:
Source of Release: Tank?	Date and Hour of Occurrence	Date and Hour of Discovery: 10/22/2015
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? Legacy but had interaction with BLM/William Diers	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

OIL CONS. DIV DIST. 3

JAN 14 2016

Describe Cause of Problem and Remedial Action Taken.*
Legacy/Historical impact, source unknown. Tank was removed and all impacted soil was excavated via hydrovac and backhoe. Impacted soil was taken to OCD-permitted Envirotech Landfarm under C-138.

Describe Area Affected and Cleanup Action Taken.*
Final excavation measured 47'X41'X19' deep. See accompanying Envirotech Final Report.
Legacy/Historical impact was addressed by removing impacted soil with hydrovac and backhoe excavation.
Pursued cleanup action based on remediation action level ranking score of 20 (1993 NMOCD Soil Remediation Guidelines Document).
Chevron Representatives kept the Farmington, NM BLM & NM OCD Representatives informed during the excavation & sampling process.
Both BLM & OCD provided agreement to backfill the excavation with BLM-approved soil, based on all Final Analytical Results which were below Action Limits.

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:	OIL CONSERVATION DIVISION
Printed Name: Don Lindsey	Approved by District Supervisor: Environmental Specialist
Title: Environmental Specialist	Approval Date: 2/5/2016 Expiration Date:
E-mail Address: LLIN@chevron.com	Conditions of Approval: — Attached ☐
Date: 1/11/2016 Phone: 505-333-1920	

* Attach Additional Sheets If Necessary

NUF1603633033

82

envirotech

December 23, 2015

Project No. 92270-1387

OIL CONS. DIV DIST. 3

JAN 14 2016

Mr. Don Lindsey
Chevron North America
332 County Road 3100
Aztec, New Mexico 87410

Phone: (505) 215-7132

RE: SPILL ASSESSMENT AND CLOSURE REPORT AT THE NELLIE PLATERO 5A WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Mr. Lindsey,

Enclosed please find the *Spill Assessment and Closure Report* detailing spill assessment and confirmation sampling activities at the Nellie Platero 5A 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.

Sheena Leon
Environmental Field Technician
sleon@envirotech-inc.com

Enclosure: Spill Closure Report

Cc: Client File No. 92270

SPILL ASSESSMENT AND CLOSURE REPORT

LOCATED AT:
NELLIE PLATERO 5A WELL SITE
SECTION 11, TOWNSHIP 27N, RANGE 9W
SAN JUAN COUNTY, NEW MEXICO

PREPARED FOR:
CHEVRON NORTH AMERICA
DON LINDSEY
332 COUNTY ROAD 3100
AZTEC, NEW MEXICO 87410

PROJECT NUMBER: 92270-1387
OCTOBER 2015

CHEVRON NORTH AMERICA
SPILL ASSESSMENT AND CLOSURE REPORT
LOCATED AT THE NELLIE PLATERO 5A WELL SITE
SEC 11, TWP 27N, RNG 9W
SAN JUAN COUNTY, NEW MEXICO

TABLE OF CONTENTS

INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by Chevron North America to provide spill assessment and confirmation sampling activities for release of condensate from an above-ground surface tank (AST) at the Nellie Platero 5A well site located in Section 11, Township 27N Range 9W, San Juan County, New Mexico; see enclosed ***Figure 1, Vicinity Map***. Activities included confirmation sampling and analysis, documentation, and reporting.

ACTIVITIES PERFORMED

Envirotech, Inc. arrived on site on October 19, 2015 to perform spill assessment activities. A brief site assessment was conducted, and the regulatory standards for the site were determined to be 100 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors due to a horizontal distance to surface water being less than 200 feet from the location, distance to groundwater between 50 and 100 feet, and a horizontal distance to the nearest wellhead protected area greater than 1000 feet, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

Upon collection of the site assessment the impacted surface area was determined to be approximately five (5) feet by five (5) feet on the north side of the AST. Samples were collected in the center and around the perimeter of the visual staining at six (6) inches below ground surface (BGS). Samples were also collected from two (2) feet BGS and four (4) feet BGS in the center of the impacted area as well as one (1) sample collected at four (4) feet diagonally below the AST. The samples were screened in the field for TPH using USEPA method 418.1 and for organic vapors (OV) using a photoionization detector (PID). The center sample at four (4) feet BGS, *#1 4ft* , returned results of 10,400 ppm TPH and 144.1 ppm for OV and the sample collected from four (4) foot diagonally beneath the AST, *Horizontal 4ft*, returned results of 10,680 ppm TPH and 244 ppm OV; see enclosed ***Appendix A, Field Notes, Table 1, Summary of Analytical Results,*** and ***Appendix B, Analytical Results***. Based on the above mentioned results, Envirotech recommends removal of the AST and excavation to five (5) feet BGS and a five (5) foot diameter of the impacted area, then sampling for closure.

On October 27, 2015, Envirotech, Inc. returned to the site to perform confirmation sampling activities. Prior to Envirotech's arrival, the contaminated area had been excavated to approximately a five (5) foot diameter by eight (8) feet BGS. Two (2) five (5)-point composite samples were collected from the excavation, one (1) from the bottom and one (1) from the walls. The samples were screened in the field for TPH using USEPA Method 418.1 and for OV using a PID. The *Bottom* sample returned results of 2,108 ppm TPH and 1,762 ppm OV and the *Walls* sample retuned results of 1,408 ppm TPH and 123.3 OV; see enclosed ***Appendix A, Field Notes, Table 1, Summary of Analytical Results,*** and ***Appendix B, Analytical Results.*** Envirotech recommended further excavation of the bottom and walls, then resampling for closure.

On October 29, 2015, Envirotech, Inc. returned to the site to perform confirmation sampling activities. Prior to Envirotech's arrival the contaminated area had been excavated to approximately a 10 foot diameter by eight (8) to 12 feet BGS. Four (4) five (5)-point composite

samples were collected from the excavation, two (2) from the bottom, *Bottom 12ft* and *Bottom 8ft*, and two (2) from the walls, *North Walls* and *South Walls*. The samples were screened in the field for TPH using USEPA Method 418.1 and for OV using a PID. All four (4) samples returned results above the regulatory standard for TPH and OV with the exception of the *North Wall* sample that returned a result below the regulatory standard for OV; see enclosed ***Appendix A, Field Notes Table 1, Summary of Analytical Results*** and ***Appendix B, Analytical Results***. Envirotech recommended further excavation and resampling for closure.

On November 9, 2015, Envirotech, Inc. returned to the site to continue confirmation sampling activities. Prior to Envirotech's arrival, impacted area was excavated to approximately 40 feet by 30 feet by 12 feet BGS. Six (6) five (5)-point composite samples were collected from the excavation, *South Wall, North Wall, West Wall, East Wall, Section 1*, and *Section 2*.; see enclose ***Appendix A, Field Notes*** for sample locations. The samples were screened in the field for TPH using USEPA Method 418.1 and for OV using a PID. All of the samples returned results above the regulatory standard for TPH. All samples returned results below regulatory standard for OV except, *South Wall* and *Section 2,* which returned results above the regulatory standard for OV; see enclosed ***Appendix A, Field Notes Table 1, Summary of Analytical Results*** and ***Appendix B, Analytical Results***. Three (3) of the samples, *South Wall*, *West Wall*, and *East Wall*, were placed into four (4) ounce glass jars, capped headspace free, and transported on ice under chain of custody to Envirotech's Analytical laboratory to be analyzed for TPH using USEPA Method 8015 and BTEX using USEPA Method 8021. All three (3) samples returned results below regulatory standard for all constituents analyzed; see enclosed ***Table 1, Summary of Analytical Results*** and ***Appendix B, Analytical Results***. Envirtoech recommended further excavation of the north wall and bottom, followed by resampling for closure.

On November 11, 2015, Envirotech, Inc. returned to the site to continue confirmation sampling activities. Prior to Envirotech's arrival, the impacted area was excavatied to extents of approximately 47 feet by 41 feet by 18 feet BGS. One (1) five (5)-point composite sample was collected from the north corner of the excavation, *North Bottom/Wall,* and screened in the field for TPH using USEPA 418.1. The sample returned a result above the regulatory standard for TPH. The north bottom section of the excavation was extended an additional foot to the depth of 19 feet. Two (2) five (5)-point composite samples were collected, *North Wall* and *North Bottom.* The samples were analyzed in the field for TPH using USEPA Method 418.1 and for OV using a PID. The samples returned results below regulatory standard for TPH and OV; see enclosed ***Appendix A, Field Notes, Table 1, Summary of Analytical Results,*** and ***Appendix B, Analytical Results.***

On November 13, 2015, Envirotech, Inc. returned to the site to continue confirmation sampling activities with representative from the Bureau of Land Management (BLM) and the NMOCD. Two (2) three (3)-point composite samples were collected, one (1) from the north bottom and one (1) from the north wall of the excavation, and placed into individual four (4) ounce glass jars, capped headspace free, and transported on ice under chain of custody to Envirotech's Analytical laboratory to be analyzed for TPH using USEPA Method 8015 and BTEX using USEPA Method 8021. The samples returned results below the regulatory standard for all constituents analyzed; see enclosed ***Table 1, Summary of Analytical Results*** and ***Appendix B,***

Analytical Results.

On October November 20, 2015, Envirotech, Inc. returned to the site to collect one (1) three (3)-point composite sample, *South Bottom; see* ***Appendix A, Field Notes*** and ***Figure 2, Site Map*** for sample locations. The sample was placed into a four (4) ounce glass jar, capped headspace free, and transported on ice under chain of custody to Envirotech's Analytical laboratory to be analyzed for TPH using USEPA Method 8015 and BTEX using USEPA Method 8021. The sample returned results below the regulatory standard for all constituents analyzed; see enclosed ***Table 1, Summary of Analytical Results*** and ***Appendix B, Analytical Results.***

Based and the above stated analytical results, Envirotech, Inc. recommends no further action in regards to this event.

SUMMARY AND CONCLUSIONS

Envirotech, Inc. performed spill assessment and confirmation sampling activities at the Nellie Platero 5A well site. Envirotech, Inc. recommends no further action in regards to this incident.

STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed the spill closure activities related to the release of condensate on the Nellie Platero 5A 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 NMOCD and USEPA regulatory 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.

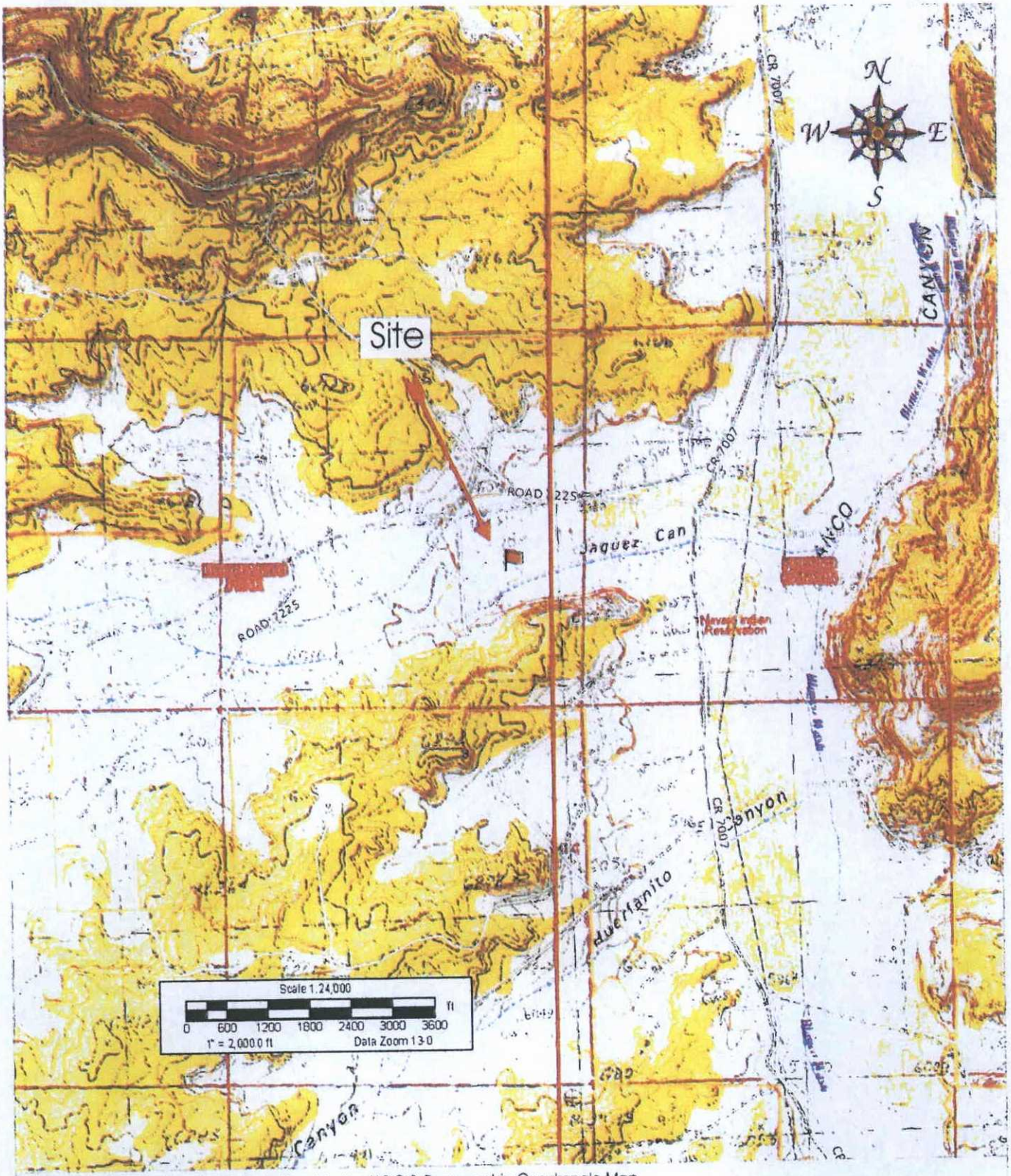
Respectfully submitted,
ENVIROTECH, INC.

Sheena Leon
Environmental Field Technician
sleon@envirotech-inc.com

Reviewed by:

Felipe Aragon, CES
Environmental Field Coordinator
faragon@envirotech-inc.com

FIGURES



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

Chevron North America
Nellie Platero 5A
Section 11, Township 27N, Range 9W
San Juan County, New Mexico

PROJECT Number:92270-1387 Date Drawn: 12/21/15

envirotech
ENVIRONMENTAL SCIENTISTS & ENGINEERS

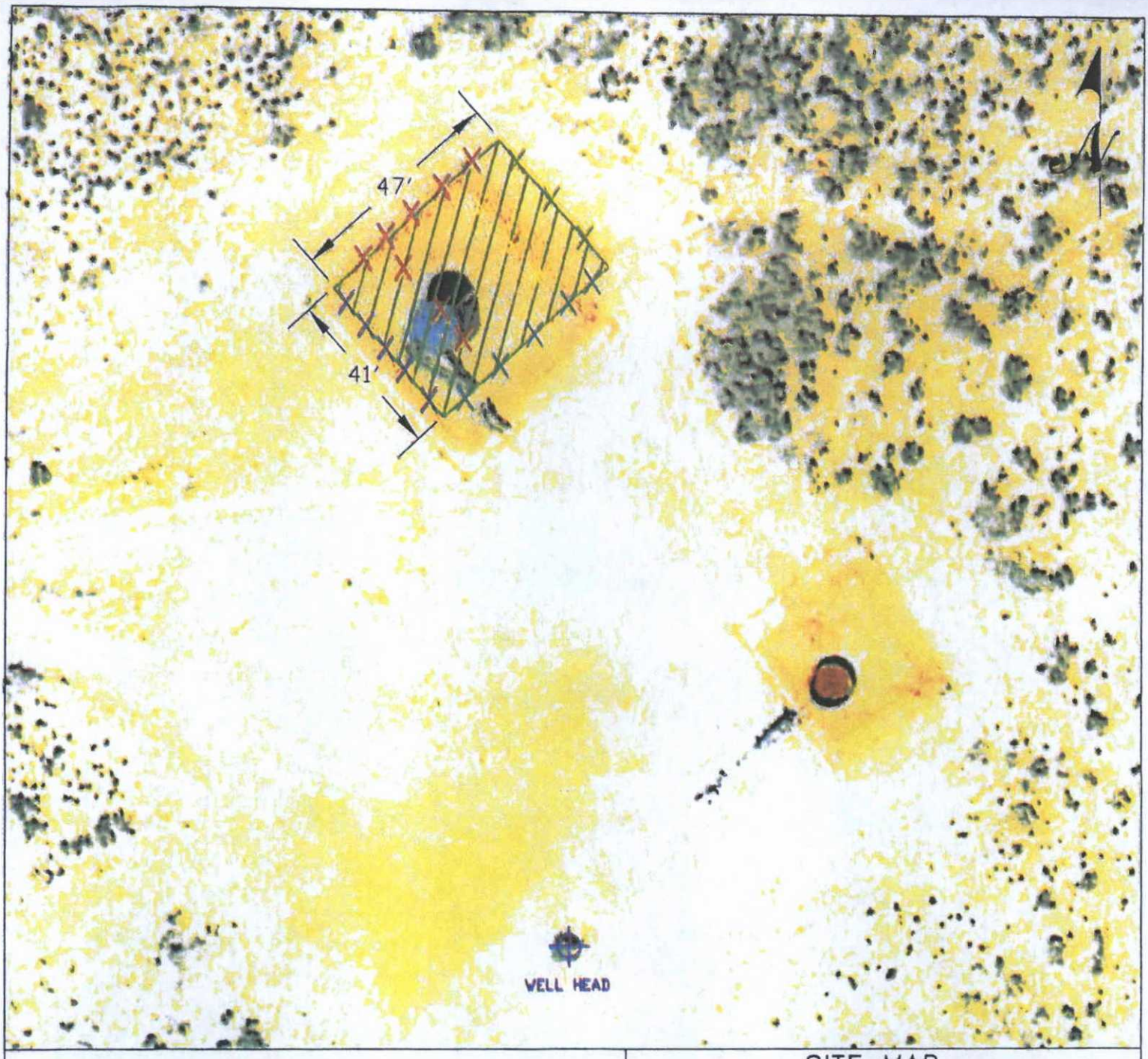
5796 U.S. HIGHWAY 64
Farmington, New Mexico 87401
505.632.0615

Vicinity Map

Figure #1

DRAWN BY: Sheena Leon

PROJECT MANAGER: Greg Crabtree



LEGEND

CLOSURE SAMPLE LOCATIONS

- X West Wall (11-9-15)
- X South Wall (11-9-15)
- X East Wall (11-9-15)
- X North Wall (11-13-15)
- X North Bottom (11-13-15)
- X South Bottom (11-20-15)

⊕ WELL HEAD

SITE MAP
Chevron North America
Nellie Platero 5A
SECTION 11, TWP 27 NORTH, RANGE 9 WEST
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS	FIGURE NO. 2	REV
PROJECT NO92270-1387		

REVISIONS

NO.	DATE	BY	DESCRIPTION

MAP DRWN	SL	12/21/15	BASE DRWN		

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

TABLES

Table 1, Summary of Analytical Results
Chevron North America
Nellie Platero 5A
Spill Assessment and Closre Report
San Juan County, New Mexico
Project Number 92270-1387

Sample Description	Sample Number	Date	TPH USEPA Method 418.1 (mg/kg)	TPH USEPA Method 8015 (mg/kg)	Benzene USEPA Method 8021 (mg/kg)	BTEX USEPA Method 8021 (mg/kg)	OVM (mg/kg)
NMOCD Standards	NA	NA	100	100	10	50	100
#1 Source	1	10/19/2015	**10468**	NS	NS	NS	**226.7**
#1 2ft	2	10/19/2015	**10916**	NS	NS	NS	**164.6**
#1 4ft	3	10/19/2015	**10400**	NS	NS	NS	**144.4**
Horizontal 4ft	4	10/19/2015	**10680**	NS	NS	NS	**244.0**
#2 Surface	5	10/19/2015	**2236**	NS	NS	NS	69.2
#3 Surface	6	10/19/2015	88	NS	NS	NS	12.2
Bottom	1	10/27/2015	**2108**	NS	NS	NS	**1762.0**
Walls	2	10/27/2015	**1048**	NS	NS	NS	**1036.0**
Bottom 12ft	1	10/29/2015	**1808**	NS	NS	NS	**1669.0**
Bottom 8ft	2	10/29/2015	**1596**	NS	NS	NS	**1456.0**
North Walls	3	10/29/2016	**196**	NS	NS	NS	**88.0**
South Walls	4	10/29/2016	**3660**	NS	NS	NS	**2008.0**
South Wall	1	11/9/2015	**224**	NS	NS	NS	20.1
North Wall	2	11/9/2015	**440**	NS	NS	NS	**667.0**
West Wall	3	11/9/2016	**212**	NS	NS	NS	10.4
East Wall	4	11/9/2015	**216**	NS	NS	NS	0.0
Section 1	5	11/9/2015	**228**	NS	NS	NS	48.3
Section 2	6	11/9/2015	**468**	NS	NS	NS	12.0
North Wall/Bottom	1	11/11/2015	**768**	NS	NS	NS	NS
North Wall	2	11/11/2015	16	NS	NS	NS	11.1
North Bottom	3	11/11/2015	36	NS	NS	NS	18.2
North Wall	1	11/13/2015	NS	ND	ND	ND	NS
North Bottom	2	11/13/2015	NS	ND	ND	ND	NS
South Bottom	1	1/11/1900	NS	ND	ND	ND	NS

NS = Not Sampled
ND = Non-Detect at Stated Method's Detection Limit
* Values in BOLD above regulatory standards

APPENDIX A

Field Notes

CLIENT: Chevron	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Envmtl. Specist: S. Leon
CLIENT/JOB #: 96270-1397		C.O.C. No:
START DATE: 10/19/15		LAT 36.58495773
FINISH DATE: 10/19/15		LONG -107.7609444
Page # ____ of ____		

Field Report: Spill Closure Verification

NMOCD Ranking: 20 Depth to GW: 154 ft WH Protection Area: (No) Yes

NMOCD TPH Closure Std.: 100 ppm Distance to SW: 260 ft

LOCATION: Name: Nellie Pakero Well #: 6A API:

County: San Juan State: New Mexico

Cause of Release: Blow leak Material Released: condensate Amt. Released: NA

QUAD/UNIT: ____ SEC: 11 TWP: 27N RNG: 9W PM: ____

Wellhead Lat/Long: Land Jurisdiction: QTR Footage:

Spill Located Approximately: 0 FT. FROM above ground tank

Excavation Approx: ____ FT. X ____ FT. X ____ FT. Cubic Yardage: ____

Disposal Facility: ____ Remediaton Method: ____

Land Use: Lease: Land Owner:

FIELD 418.1 ANLAYSIS

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200ppm std	11:10					198	
#1 Source	11:21	1	5g	20ml	X4	2617	10468
#1 2ft	11:28	2				2729	10916
#1 4ft	11:35	3				2600	10400
horizontal 14ft	11:40	4				2670	10680
#2 Surface	11:56	5				559	2236
#3 Surface	12:02	6				22	88

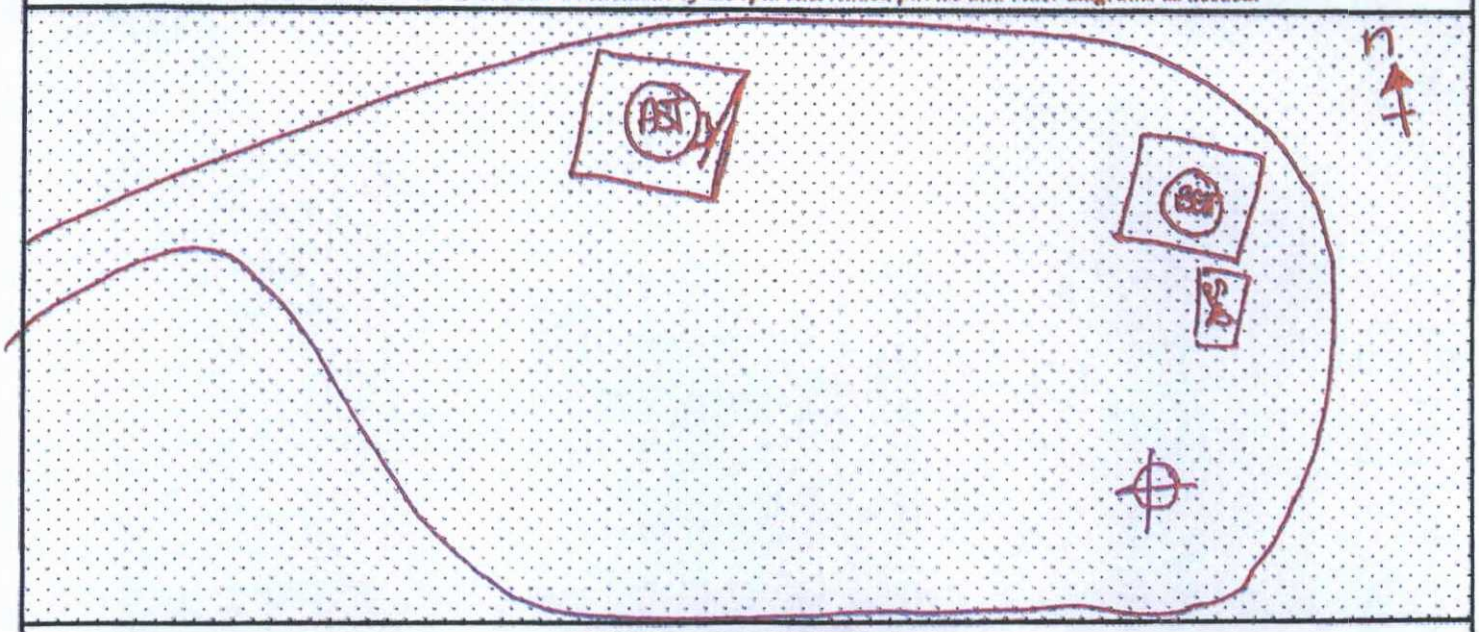
OVM Results

Sample ID	Field Headspace PID (ppm)	Sample ID	Field Headspace PID (ppm)
1	226.7		
2	164.1		
3	144.1		
4	244.0		
5	09.2		
6	12.2		

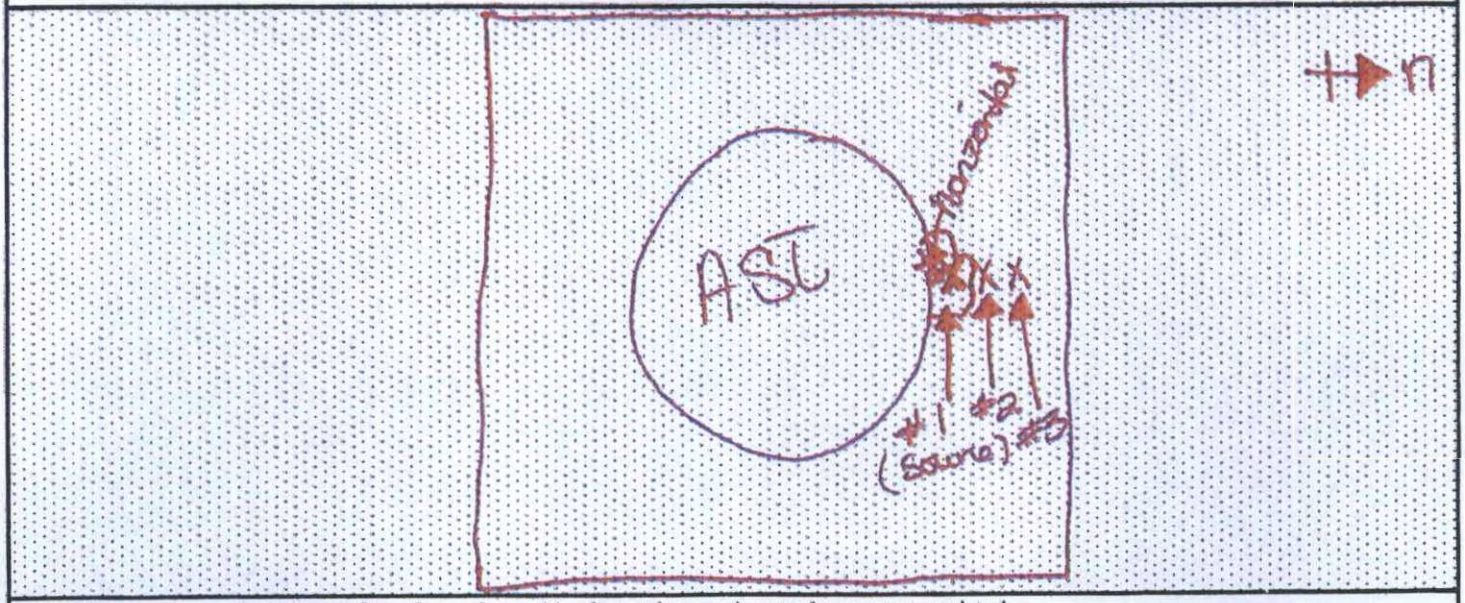
Lab Testing

Sample ID	Analysis Type	Time

SPILL PERIMETER: ***Draw a schematic of the spill site. Attach photos and other diagrams as needed.***



EXCAVATION PROFILE:



NOTES: Include number of samples and borings taken, and screening types completed.
Describe spill in narrative format including amount, source and type of product.

6 field samples
no lab samples

WO #:

Who Ordered/Site Rep: Sean Samborn

CLIENT: Chevron	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Envmtl. Spclst: S. Pierce	
CLIENT/JOB #: 92270-1387		C.O.C. No:	
START DATE: 10/26/15		LAT	36.58915773
FINISH DATE: 10/27/15		LONG	-107.760744
Page # ____ of ____			

Field Report: Spill Closure Verification

NMOCD Ranking: 20 Depth to GW: 154ft WH Protection Area: (No) Yes

NMOCD TPH Closure Std.: 100ppm Distance to SW: 260ft

LOCATION: Name: Nellie Platero Well #: 5A API:

County: San Juan State: New Mexico

Cause of Release: leak Material Released: condensate Amt. Released: N/A

QUAD/UNIT: ____ SEC: 11 TWP: 27N RNG: 9W PM: ____

Wellhead Lat/Long: Land Jurisdiction: QTR Footage:

Spill Located Approximately: ____ FT. FROM Aboveground tank

Excavation Approx: 8 FT. X 5 FT. X 5 FT. Cubic Yardage: N/A

Disposal Facility: ____ Remediaton Method: excavation

Land Use: Lease: Land Owner:

FIELD 418.1 ANLAYSIS

SAMPLE DESCRIPITION	TIME	SAMPLE I.D.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200ppm Std	11:00						
Bottom	11:10	1	5g	20ml	X4	527	2108
Walls	11:30	2	"	"	"	352	1408

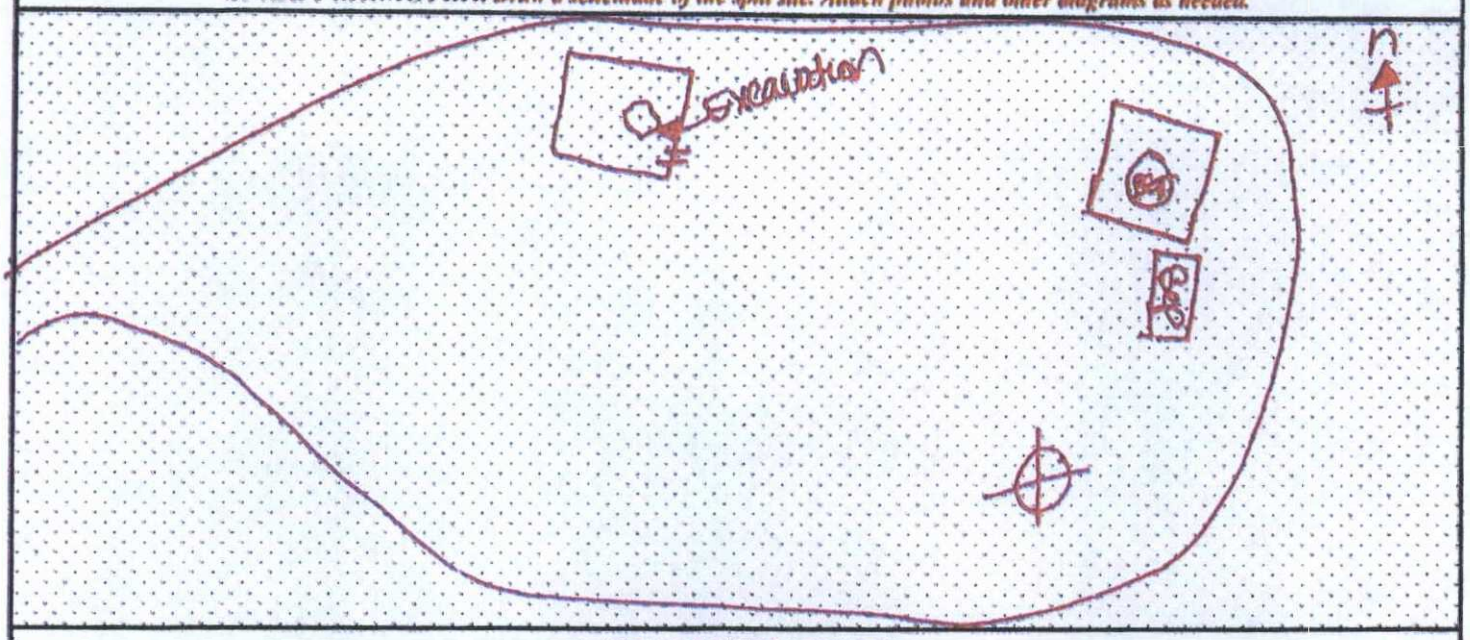
OVM Results

Sample ID	Field Headspace PID (ppm)	Sample ID	Field Headspace PID (ppm)
Bottom	1762		
Walls	1086		

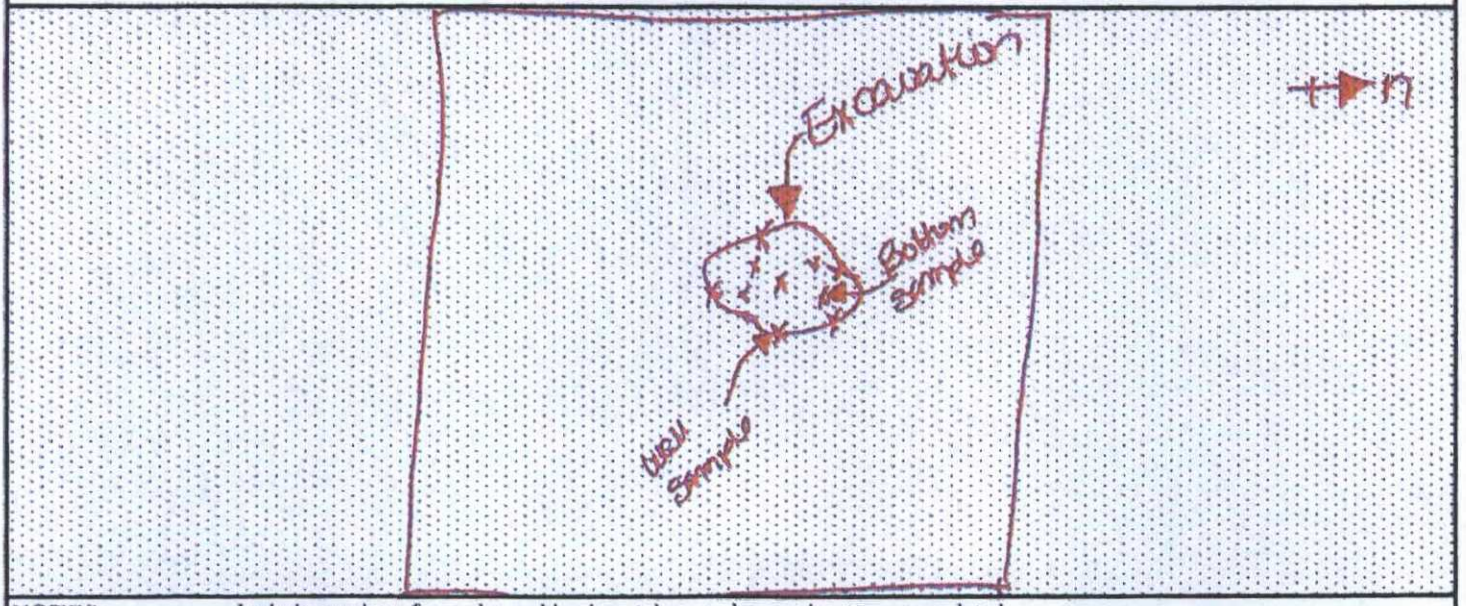
Lab Testing

Sample ID	Analysis Type	Time

SPILL PERIMETER: *Draw a schematic of the spill site. Attach photos and other diagrams as needed.*



EXCAVATION PROFILE:



NOTES: Include number of samples and borings taken, and screening types completed.
Describe spill in narrative format including amount, source and type of product.

2 Samples collected for field analysis
no lab samples.

WO #: Who Ordered/Site Rep:

CLIENT: Chevron	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Envmtl. Spclst: Shion
CLIENT/JOB #: 92270-1387		C.O.C. No:
START DATE: 10/29/15		LAT
FINISH DATE: 10/29/15		LONG
Page # of		

Field Report: Spill Closure Verification

NMOCD Ranking: 20 Depth to GW: 134ft WH Protection Area: (No) Yes

NMOCD TPH Closure Std.: 100 Distance to SW: 260ft.

LOCATION: Name: Nella Platero Well #: 5A API:

County: San Juan State: New Mexico

Cause of Release: leak Material Released: condensate Amt. Released: N/A

QUAD/UNIT: ____ SEC: 11 TWP: 27N RNG: 9W PM: ____

Wellhead Lat/Long: Land Jurisdiction: QTR Footage:

Spill Located Approximately: ____ FT. FROM above ground tank

Excavation Approx: 10 FT. X 8 FT. X 12 FT. Cubic Yardage: ____

Disposal Facility: ____ Remediaton Method: leak

Land Use: Lease: Land Owner:

FIELD 418.1 ANLAYSIS

SAMPLE DESCRIPITION	TIME	SAMPLE I.D.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200ppm std	9:20					200	
Bottom 12ft	9:30	1				452	1808
Bottom 8ft	9:40	2				399	1596
North walls	9:50	3				49	196
South Walls	10:00	4				915	3660
				-			

OVM Results

Sample ID	Field Headspace PID (ppm)	Sample ID	Field Headspace PID (ppm)
1	1669		
2	1456		
3	88		
4	2008		

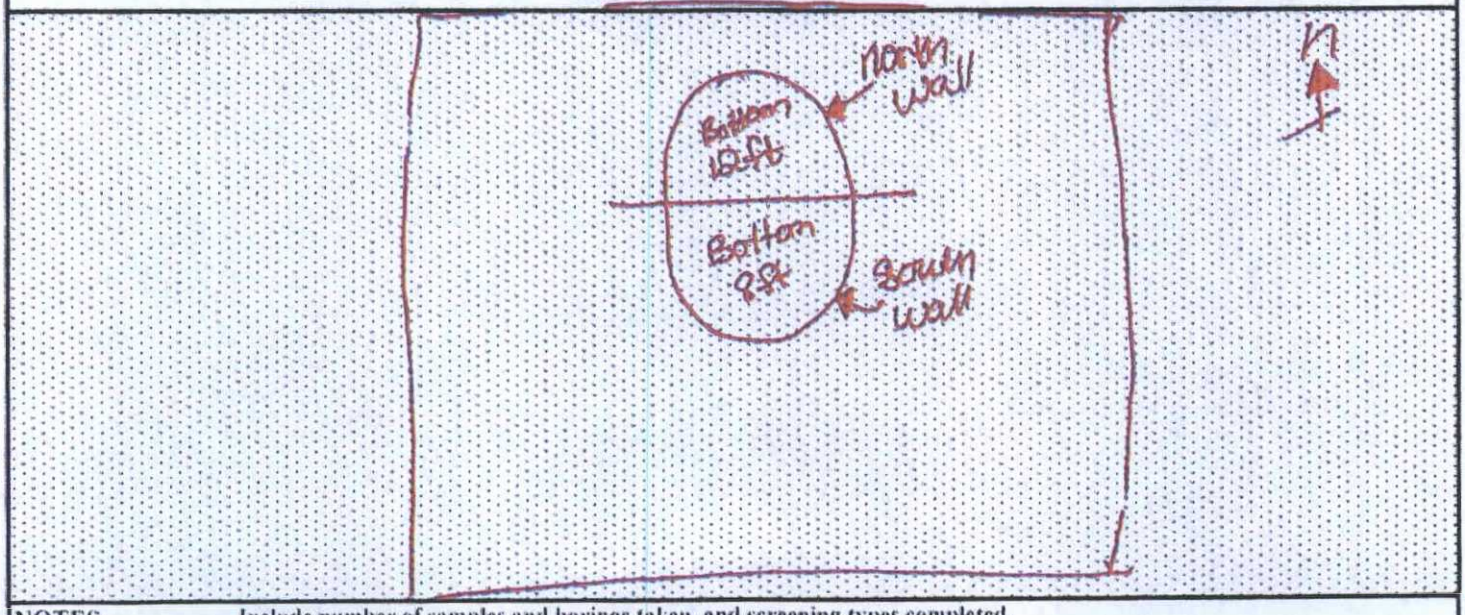
Lab Testing

Sample ID	Analysis Type	Time

3/23/2015

SPILL PERIMETER: ***Draw a schematic of the spill site. Attach photos and other diagrams as needed.***

EXCAVATION PROFILE:



NOTES: **Include number of samples and borings taken, and screening types completed.**
Describe spill in narrative format including amount, source and type of product.

WO #: **Who Ordered/Site Rep:**

Client: Chevron	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Project No: 12270 - 1387
Environmental Specialist: Falyn Burns		COC No:

Field Report: Spill Closure Verification

Start Date: 11-9-15 NMOCD Ranking: 20 WH Protection Area: n/A

Finish Date: 11-9-15 NMOCD TPH Closure Std: 100 mg/kg Distance to SW: 260 ft

Page #: 1 of 1 PPM: 100 Depth to GW: 154 ft

LOCATION: Name: Nellie Plateau Well #: 5A API#

County: San Juan State: New Mexico

Cause of Release: leaking tank Material Released: condensate Amt. Released: unknown

QUAD/UNIT: ____ SEC: 11 TWP: 27N RNG: 9W PM: ____

Wellhead Lat/Long: Land Jurisdiction:

SOIL SAMPLING and EXCAVATION NOTES:

Arrived on location @ 10:00. Discussed previous work and work to be performed w/ on site representative. Collected 5-pt. composite samples from each wall. Divided bottom of excavation into 2 sections. Collected 5-pt. sample from each section. Ran each for TPH. Screened for OV. was instructed to guide crew on where to continue digging, after on-site rep. left. ~~Left~~ Left instructions w/ crew before leaving site @ 13:20

Spill Located Approximately: 140 FT. FROM wellhead

Excavation Approx: 40 FT. X 30 FT. X 12 FT. Cubic Yardage: unknown

Disposal Facility: Envirotech Landfarm Remediaton Method:

Land Use: Lease: Land Owner:

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
Standard	—	—	~~5~~ —	-		207	
South Wall	10:37	1	5	20	4	56	224
North Wall	10:45	2	5	20	4	110	440
west Wall	10:33	3	5	20	4	53	212
East Wall	10:21	4	5	20	4	54	216
Section 1	10:56	5	5	20	4	57	228
Section 2	10:52	6	5	20	4	117	468

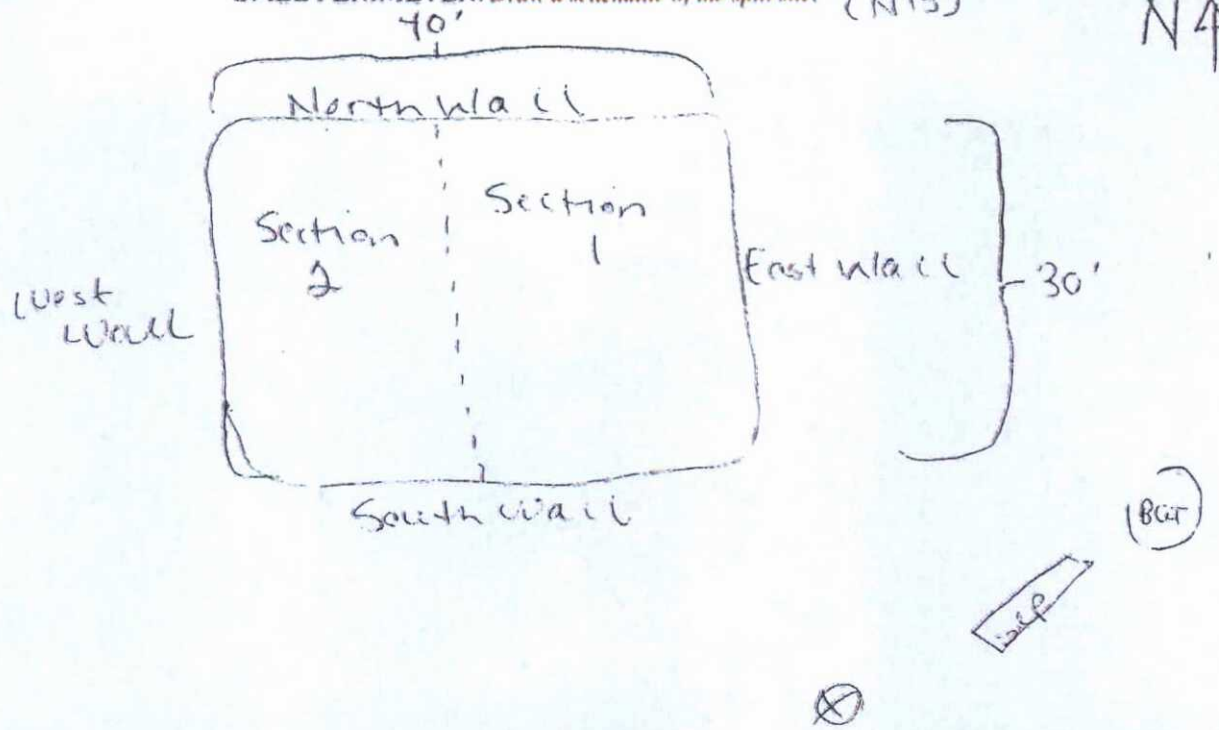
OVM Results

Sample ID	Field Headspace PID (ppm)
1	20.1
2	687
3	10.4
4	0
5	48.3
6	1726

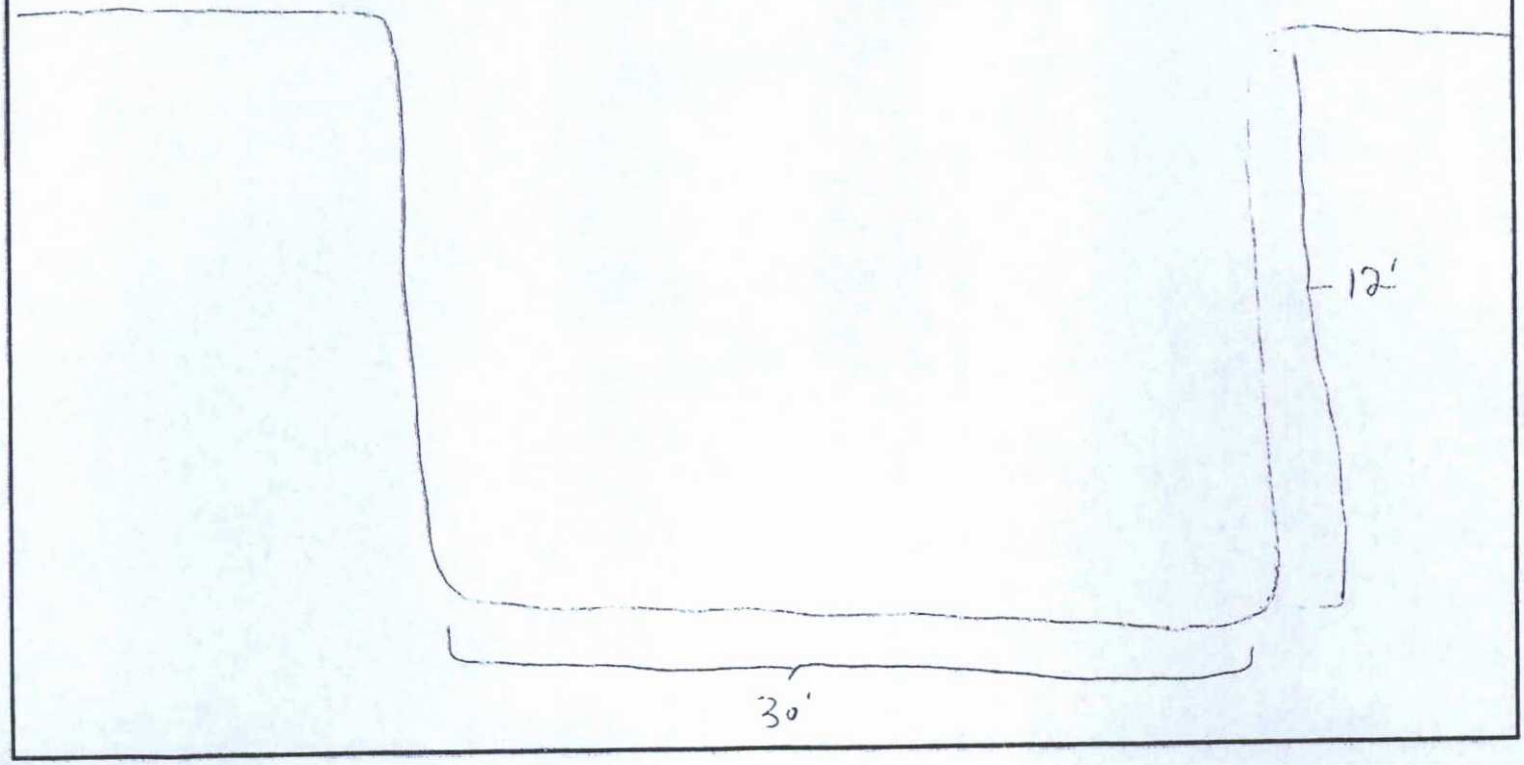
Lab Testing

Sample ID	To Lab Y/N	Analysis Type	Time
1	Y	8015, 8021	
2	N	n/A	
3	Y	8015 8021	
4	Y	8015, 8021	
5	N	n/A	
6	N	n/A	

SPILL PERIMETER: *Draw a schematic of the spill site.* (NTS)



EXCAVATION PROFILE:



CLIENT: Chevron	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Envmtl. Spclst: S Buzzo	
CLIENT/JOB #: 93270-1387		C.O.C. No:	
START DATE: 11/11/15		LAT 36.58770477	
FINISH DATE: 11/11/15		LONG -107.529028	
Page # 1 of 1			

Field Report: Spill Closure Verification

NMOCD Ranking: 20 Depth to GW: <100ft WH Protection Area: (No) Yes

NMOCD TPH Closure Std.: Distance to SW: 240ft

LOCATION: Name: Nellie Havero Well #: 5A API:

County: San Juan State: New Mexico

Cause of Release: Leaking AST Material Released: Condensate Amt. Released:

QUAD/UNIT: SEC: 11 TWP: 27N RNG: 9W PM:

Wellhead Lat/Long: Land Jurisdiction: QTR Footage:

Spill Located Approximately: FT. FROM

Excavation Approx: 47 FT. X 41 FT. X 19 FT. Cubic Yardage:

Disposal Facility: Envirotech Landfarm Remediaton Method: Excavation

Land Use: Lease: Land Owner:

FIELD 418.1 ANLAYSIS

SAMPLE DESCRIPITION	TIME	SAMPLE I.D.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200ppm Std	13:00					200	
North Bottom/Wall	13:05	1	5g	20ml	X4	192	768
North Wall	13:15	2	↓	↓	↓	4	16
North Bottom	13:30	3	↓	↓	↓	9	36

OVM Results

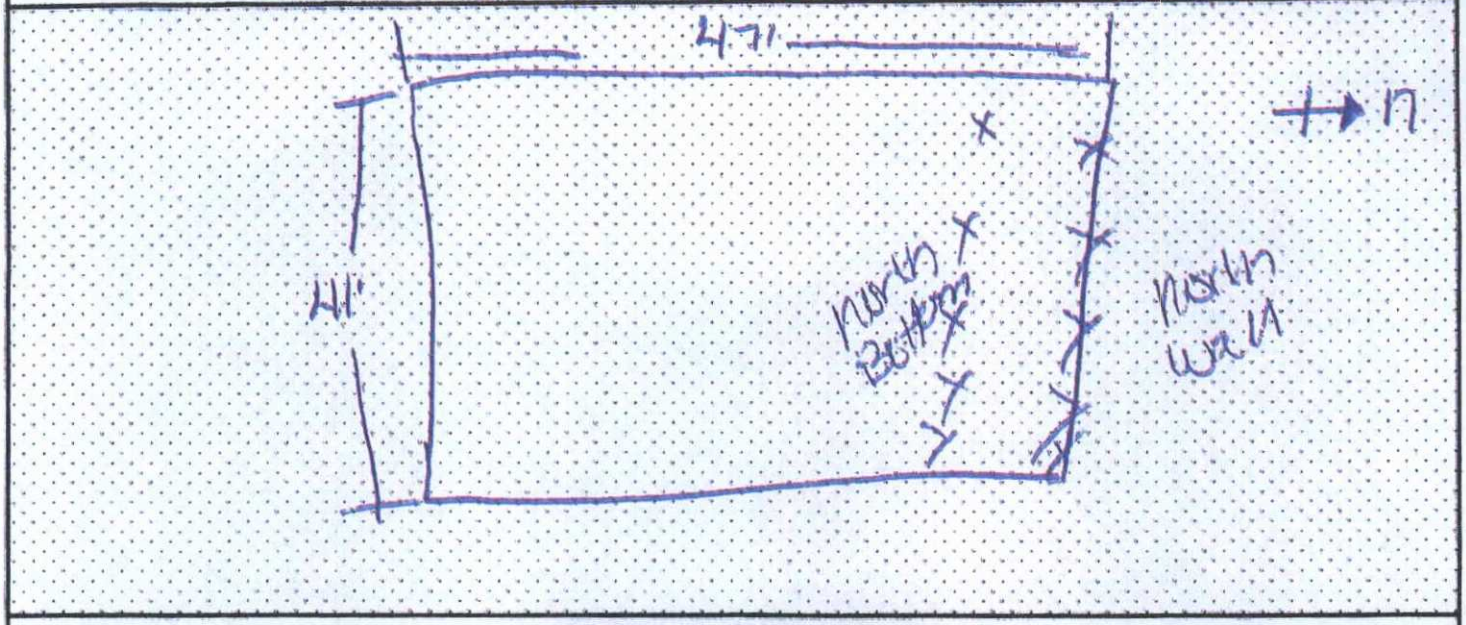
Sample ID	Field Headspace PID (ppm)	Sample ID	Field Headspace PID (ppm)
2	11.1		
3	18.2		

Lab Testing

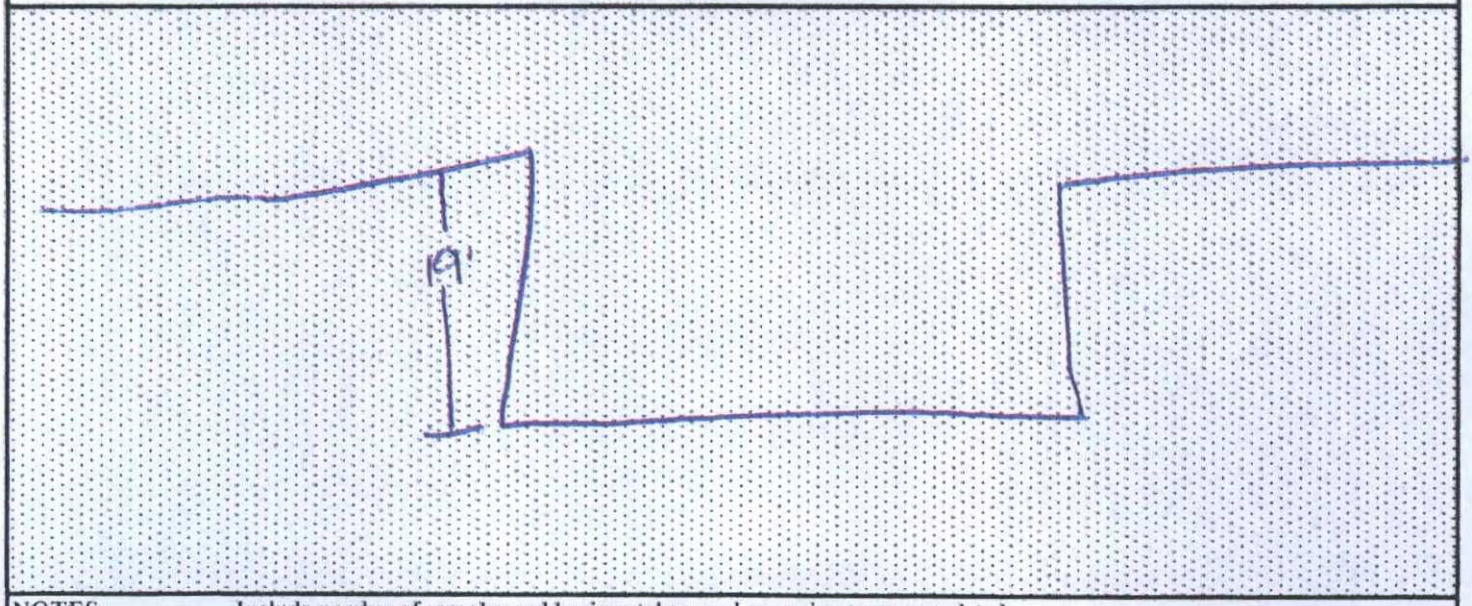
Sample ID	Analysis Type	Time

3/23/2015

SPILL PERIMETER: ***Draw a schematic of the spill site. Attach photos and other diagrams as needed.***



EXCAVATION PROFILE:



NOTES: **Include number of samples and borings taken, and screening types completed.**
Describe spill in narrative format including amount, source and type of product.

field screenings only

WO #: **Who Ordered/Site Rep:**

CLIENT: Chevron	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Envmtl. Specist: Shane
CLIENT/JOB #: 92270-1367		C.O.C. No:
START DATE: 11/13/15		LAT 36.58772
FINISH DATE: 11/13/15		LONG -107.75
Page # 1 of 1		

Field Report: Spill Closure Verification

NMOCD Ranking: 20 Depth to GW: >100ft WH Protection Area: (No) Yes

NMOCD TPH Closure Std.: 100ppm Distance to SW: 2 Mi ft

LOCATION: Name: Nellie Platero Well #: 34 API:

County: San Juan State: New Mexico

Cause of Release: Leaking Pit Material Released: Condensate Amt. Released:

QUAD/UNIT: SEC: 11 TWP: 27N RNG: 9W PM:

Wellhead Lat/Long: Land Jurisdiction: QTR Footage:

Spill Located Approximately: FT. FROM

Excavation Approx: 44 FT. X 41 FT. X 19 FT. Cubic Yardage:

Disposal Facility: Remediaton Method:

Land Use: Lease: Land Owner:

FIELD 418.1 ANLAYSIS

SAMPLE DESCRIPITION	TIME	SAMPLE I.D.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm

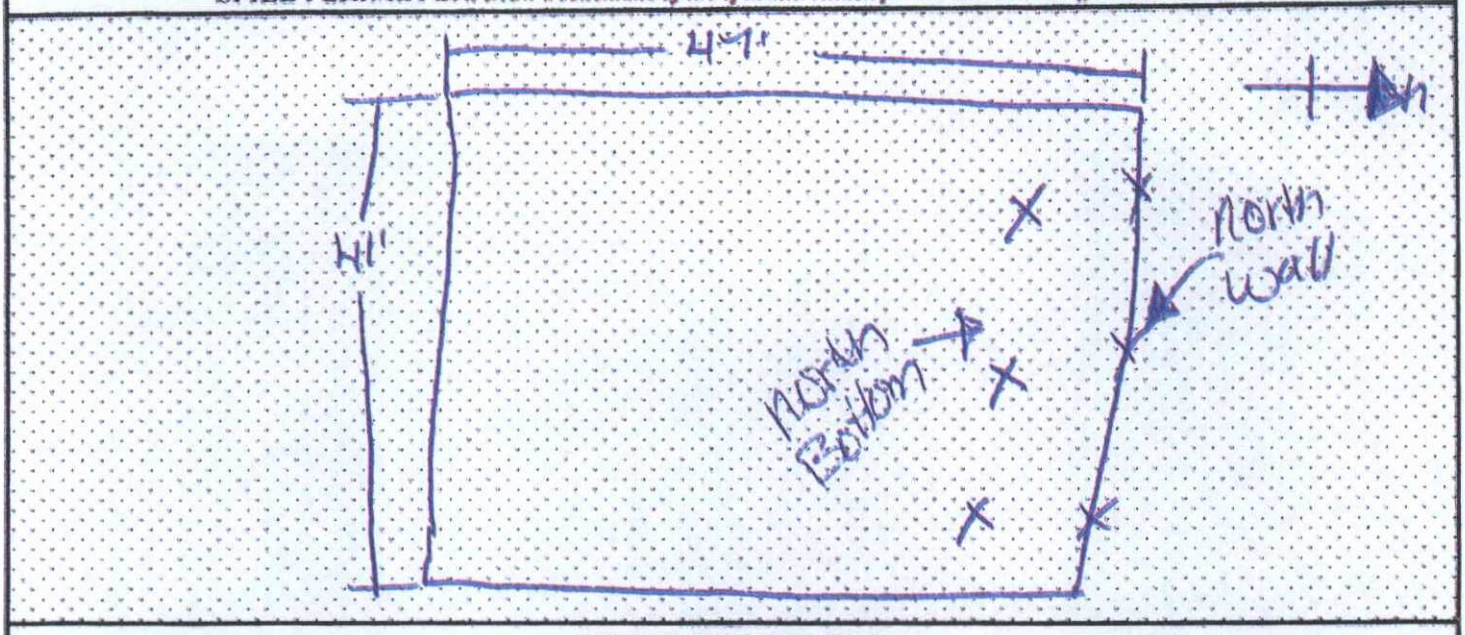
OVM Results

Sample ID	Field Headspace PID (ppm)	Sample ID	Field Headspace PID (ppm)

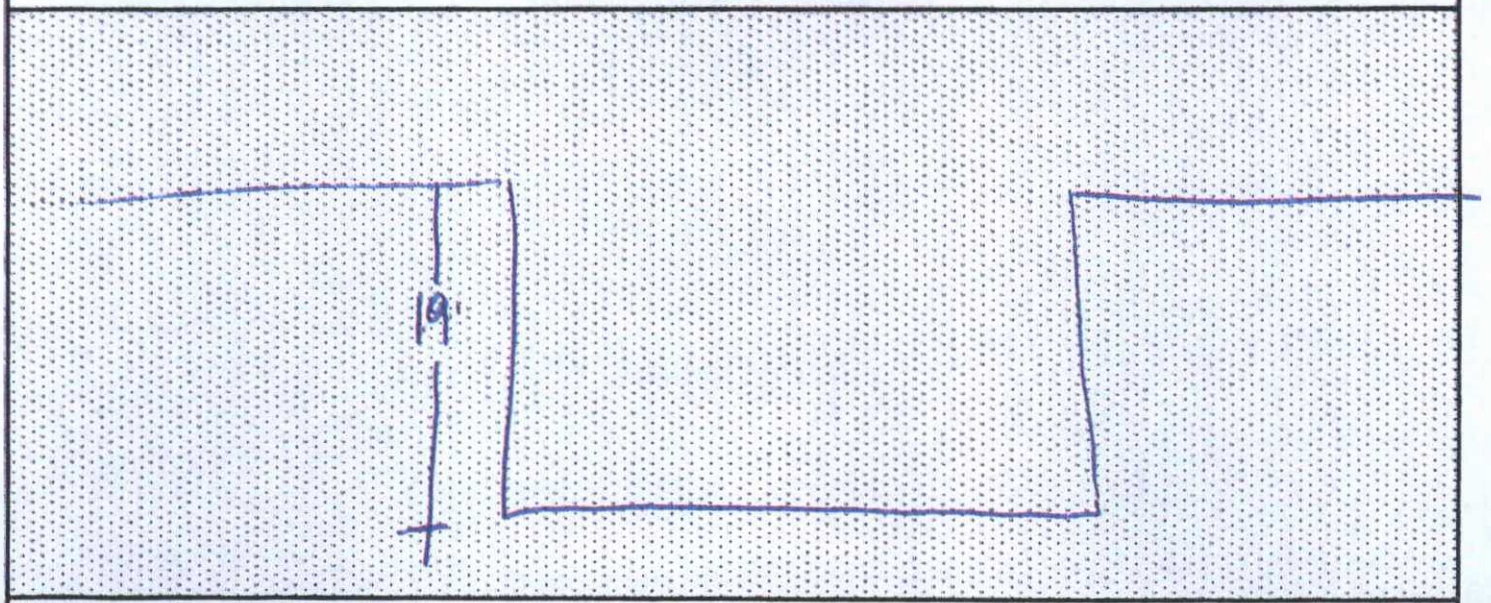
Lab Testing

Sample ID	Analysis Type	Time
North Wall	8015	
North Bottom	8015, 8021	

SPILL PERIMETER: ***Draw a schematic of the spill site. Attach photos and other diagrams as needed.***



EXCAVATION PROFILE:



NOTES: **Include number of samples and borings taken, and screening types completed.**
Describe spill in narrative format including amount, source and type of product.

two 3-point composite samples collected
Directed by BLM & OCD
2 Samples submitted to lab.

WO #: **Who Ordered/Site Rep:**

CLIENT: Chevron	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Envmtl. Specist: Jason
CLIENT/JOB #: 1227-1357		C.O.C. No:
START DATE: 11/20/15		LAT 36.35115 T13
FINISH DATE: 11/20/15		LONG -107.70777
Page # 1 of 1		

Field Report: Spill Closure Verification

NMOCD Ranking: 20 Depth to GW: 1945 ft WH Protection Area: No / Yes

NMOCD TPH Closure Std.: 100 ppm Distance to SW: 2000 ft.

LOCATION: Name: Nate Tailor Well #: 2A API:

County: San Juan State: New Mexico

Cause of Release: Leaking M.T. Material Released: Condensate Amt. Released: n/a

QUAD/UNIT: ____ SEC: 11 TWP: 27N RNG: 9W PM: ____

Wellhead Lat/Long: Land Jurisdiction: QTR Footage:

Spill Located Approximately: 0 FT. FROM MT Front Loader

Excavation Approx: 41 FT. X 41 FT. X 19 FT. Cubic Yardage: ____

Disposal Facility: Landfarm Remediaton Method: Excavation

Land Use: Lease: Land Owner:

FIELD 418.1 ANLAYSIS

SAMPLE DESCRIPITION	TIME	SAMPLE I.D.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm

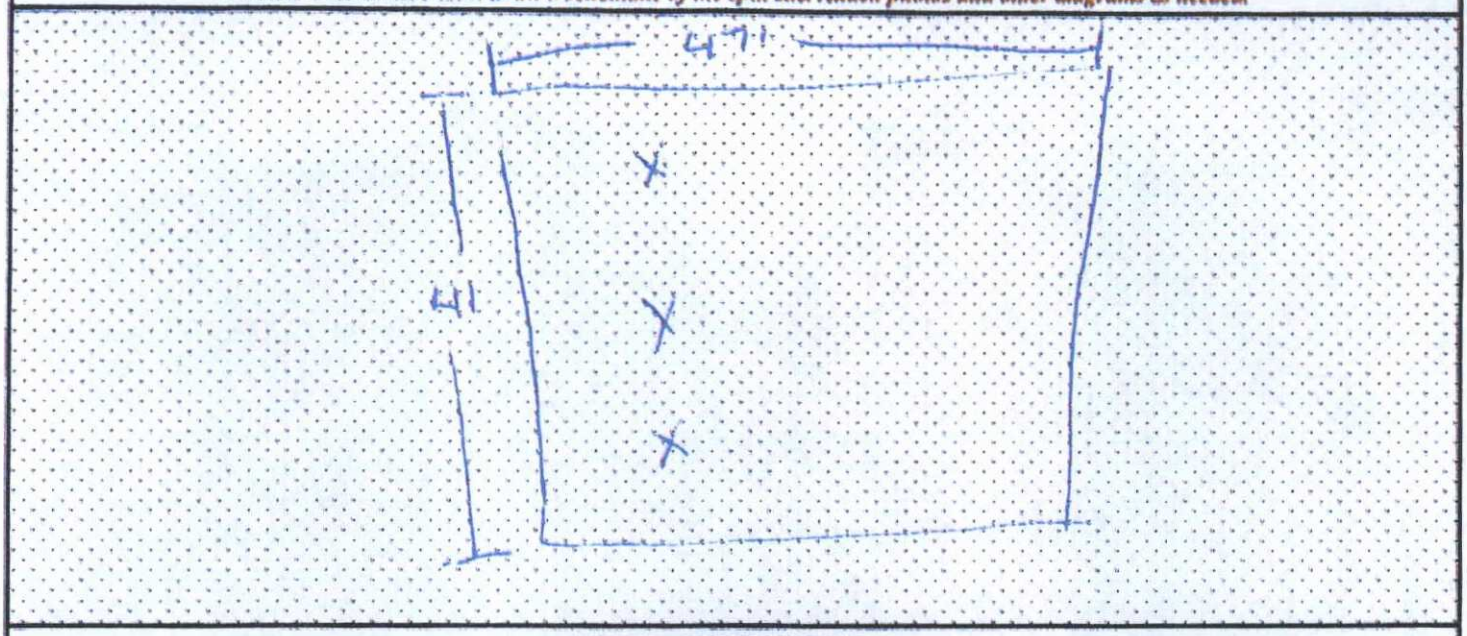
OVM Results

Sample ID	Field Headspace PID (ppm)	Sample ID	Field Headspace PID (ppm)

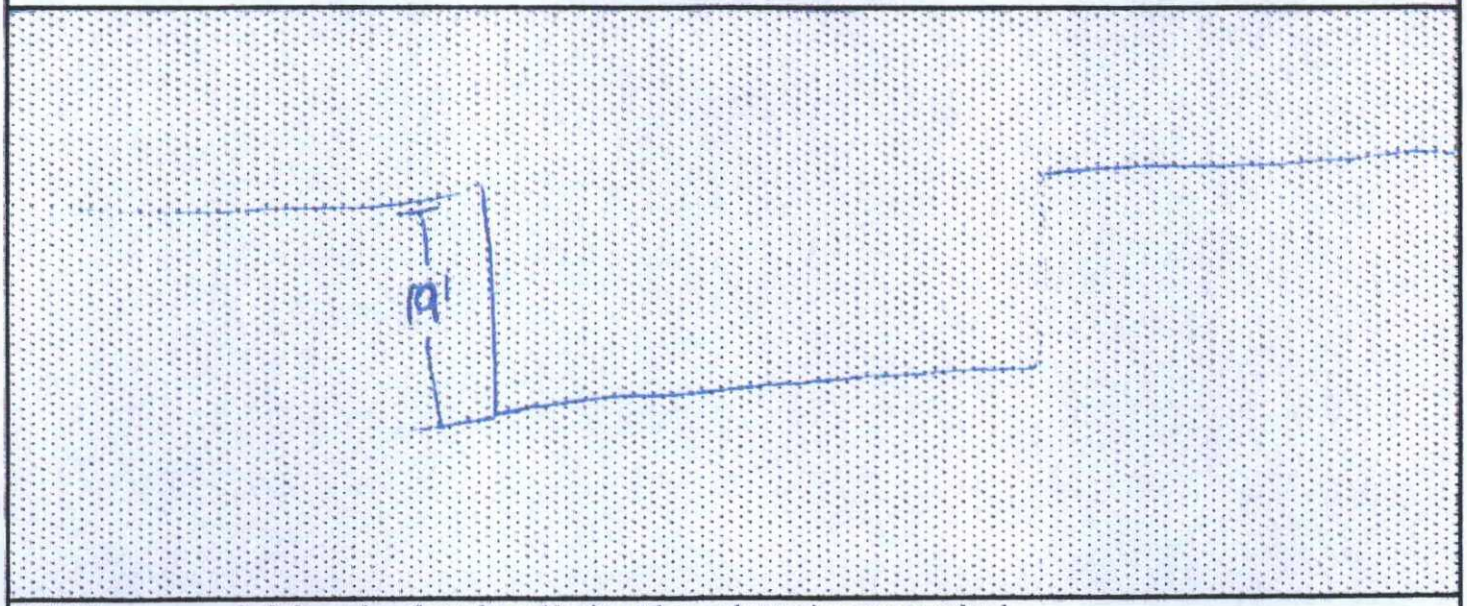
Lab Testing

Sample ID	Analysis Type	Time
Grab Pattern	BTEX, 8021	12:30

SPILL PERIMETER: ***Draw a schematic of the spill site. Attach photos and other diagrams as needed.***



EXCAVATION PROFILE:



NOTES: **Include number of samples and borings taken, and screening types completed.**
Describe spill in narrative format including amount, source and type of product.

Collected [illegible] grab sample for
lab analysis during
[illegible] excavation

WO #: **Who Ordered/Site Rep:**

APPENDIX B

Analytical Results

envirotech

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 19-Oct-15

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	198
	500	
	1000	

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

Analyst — Date: 12/21/2015

Sheena Leon
Print Name

Review — Date: 12/21/2015

Felipe Aragon
Print Name

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	1	Date Reported:	12/21/2015
Sample ID:	#1 Source	Date Sampled:	10/19/2015
Sample Matrix:	Soil	Date Analyzed:	10/19/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**10,500**	**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: **Nellie Platero 5A**

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

Analyst

Sheena Leon
Printed

Review

Felipe Aragon
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	2	Date Reported:	12/21/2015
Sample ID:	#1 2ft	Date Sampled:	10/19/2015
Sample Matrix:	Soil	Date Analyzed:	10/19/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**10,900**	**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: **Nellie Platero 5A**

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

Analyst

Sheena Leon
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Felipe Aragon
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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	3	Date Reported:	12/21/2015
Sample ID:	#1 4ft	Date Sampled:	10/19/2015
Sample Matrix:	Soil	Date Analyzed:	10/19/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**10,400**	**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: **Nellie Platero 5A**

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

Analyst

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Felipe Aragon
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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	4	Date Reported:	12/21/2015
Sample ID:	Horizontal 4ft	Date Sampled:	10/19/2015
Sample Matrix:	Soil	Date Analyzed:	10/19/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**10,700**	**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: **Nellie Platero 5A**

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

Analyst

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Review

Felipe Aragon
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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	5	Date Reported:	12/21/2015
Sample ID:	#2 Surface	Date Sampled:	10/19/2015
Sample Matrix:	Soil	Date Analyzed:	10/19/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**2,240**	**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: **Nellie Platero 5A**

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

Analyst

Sheena Leon
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Review

Felipe Aragon
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	6	Date Reported:	12/21/2015
Sample ID:	#3 Surface	Date Sampled:	10/19/2015
Sample Matrix:	Soil	Date Analyzed:	10/19/2015
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: **Nellie Platero 5A**

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: 27-Oct-15

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

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

Sheena Leon
Analyst

12/21/2015
Date

Sheena Leon
Print Name

Felipe Aragon
Review

12/21/2015
Date

Felipe Aragon
Print Name

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	1	Date Reported:	12/21/2015
Sample ID:	Bottom	Date Sampled:	10/27/2015
Sample Matrix:	Soil	Date Analyzed:	10/27/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**2,110**	**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: **Nellie Platero 5A**

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

Analyst

Sheena Leon
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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	2	Date Reported:	12/21/2015
Sample ID:	Walls	Date Sampled:	10/27/2015
Sample Matrix:	Soil	Date Analyzed:	10/27/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**1,410**	**5.0**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Nellie Platero 5A**

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

Analyst

Sheena Leon
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Review

Felipe Aragon
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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 29-Oct-15

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

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

Analyst — Date: 12/21/2015

Sheena Leon
Print Name

Review — Date: 12/21/2015

Felipe Aragon
Print Name

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	1	Date Reported:	12/21/2015
Sample ID:	Bottom 12ft	Date Sampled:	10/29/2015
Sample Matrix:	Soil	Date Analyzed:	10/29/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,810	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: **Nellie Platero 5A**

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

Analyst

Sheena Leon
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Review

Felipe Aragon
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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	2	Date Reported:	12/21/2015
Sample ID:	Bottom 8ft	Date Sampled:	10/29/2015
Sample Matrix:	Soil	Date Analyzed:	10/29/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**1,600**	**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: **Nellie Platero 5A**

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

Analyst

Sheena Leon
Printed

Review

Felipe Aragon
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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	3	Date Reported:	12/21/2015
Sample ID:	North Walls	Date Sampled:	10/29/2015
Sample Matrix:	Soil	Date Analyzed:	10/29/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**196**	**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: **Nellie Platero 5A**

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

Analyst

Sheena Leon
Printed

Review

Felipe Aragon
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5796 US Highway 64, Farmington, NM 87401
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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	4	Date Reported:	12/21/2015
Sample ID:	South Walls	Date Sampled:	10/29/2015
Sample Matrix:	Soil	Date Analyzed:	10/29/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**3,660**	**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: **Nellie Platero 5A**

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

Analyst

Sheena Leon
Printed

Review

Felipe Aragon
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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 9-Nov-15

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	207
	500	
	1000	

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

Falynn Burns
Analyst

12/21/2015
Date

Falynn Burns
Print Name

Review

12/21/2015
Date

Felipe Aragon
Print Name

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	1	Date Reported:	12/21/2015
Sample ID:	South Walls	Date Sampled:	11/9/2015
Sample Matrix:	Soil	Date Analyzed:	11/9/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**224**	**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: **Nellie Platero 5A**

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

Falynn Burns
Analyst

Review

Falynn Burns
Printed

Felipe Aragon
Printed

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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	2	Date Reported:	12/21/2015
Sample ID:	North Walls	Date Sampled:	11/9/2015
Sample Matrix:	Soil	Date Analyzed:	11/9/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	440	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: **Nellie Platero 5A**

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

Falynn Burns
Analyst

Review

Falynn Burns
Printed

Felipe Aragon
Printed

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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	3	Date Reported:	12/21/2015
Sample ID:	West Wall	Date Sampled:	11/9/2015
Sample Matrix:	Soil	Date Analyzed:	11/9/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**212**	**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: **Nellie Platero 5A**

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

Analyst

Falynn Burns
Printed

Review

Felipe Aragon
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	4	Date Reported:	12/21/2015
Sample ID:	East Wall	Date Sampled:	11/9/2015
Sample Matrix:	Soil	Date Analyzed:	11/9/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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

ND = Parameter not detected at the stated detection limit.

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

Comments: **Nellie Platero 5A**

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

Falynn Burns
Analyst

Falynn Burns
Printed

Felipe Aragon
Review

Felipe Aragon
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	5	Date Reported:	12/21/2015
Sample ID:	Section 1	Date Sampled:	11/9/2015
Sample Matrix:	Soil	Date Analyzed:	11/9/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**228**	**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: **Nellie Platero 5A**

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

Falynn Burns
Analyst

Falynn Burns
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Felipe Aragon
Review

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	6	Date Reported:	12/21/2015
Sample ID:	Section 2	Date Sampled:	11/9/2015
Sample Matrix:	Soil	Date Analyzed:	11/9/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**468**	**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: **Nellie Platero 5A**

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

Falynn Burns
Analyst

Review

Falynn Burns
Printed

Felipe Aragon
Printed

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 11-Nov-15

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

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

Sheena Leon
Analyst

12/23/2015
Date

Sheena Leon
Print Name

Felipe Aragon
Review

12/23/2015
Date

Felipe Aragon
Print Name

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	1	Date Reported:	12/23/2015
Sample ID:	North Bottom/Wall	Date Sampled:	11/11/2015
Sample Matrix:	Soil	Date Analyzed:	11/11/2015
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: **Nellie Platero 5A**

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

Analyst

Sheena Leon
Printed

Review

Felipe Aragon
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron North America	Project #:	92270-1387
Sample No.:	2	Date Reported:	12/23/2015
Sample ID:	North Botttom	Date Sampled:	11/11/2015
Sample Matrix:	Soil	Date Analyzed:	11/11/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**16**	**5.0**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Nellie Platero 5A**

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:	Chevron North America	Project #:	92270-1387
Sample No.:	3	Date Reported:	12/23/2015
Sample ID:	North Wall	Date Sampled:	11/11/2015
Sample Matrix:	Soil	Date Analyzed:	11/11/2015
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**36**	**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: **Nellie Platero 5A**

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

Analyst

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Analytical Laboratory

Analytical Report

Report Summary

Client: Chevron

Chain Of Custody Number:

Samples Received: 11/9/2015 4:49:00PM

Job Number: 92270-1387

Work Order: P511012

Project Name/Location: Nellie Platero 5A

Entire Report Reviewed By: _____ Date: 11/11/15

Tim Cain, Laboratory Manager

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Analytical Laboratory

Chevron	Project Name:	Nelhe Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Greg Crabtree	11-Nov-15 15:52

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
East Wall	P511012-01A	Solid	11/09/15	11/09/15	Glass Jar, 4 oz.
West Wall	P511012-02A	Solid	11/09/15	11/09/15	Glass Jar, 4 oz.
South Wall	P511012-03A	Solid	11/09/15	11/09/15	Glass Jar, 4 oz.

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Analytical Laboratory

Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Greg Crabtree	11-Nov-15 15:32

East Wall

P511012-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1546011	11-10-15	11-10-15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1546011	11-10-15	11-10-15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1546011	11-10-15	11-10-15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1546011	11-10-15	11-10-15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1546011	11-10-15	11-10-15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1546011	11-10-15	11-10-15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1546011	11-10-15	11-10-15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*		*50-150*	*1546011*	*11-10-15*	*11-10-15*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.2	mg/kg	1	1546013	11-10-15	11-10-15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1546013	11-10-15	11-10-15	EPA 8015D	
Surrogate: n-Nonane		*93.1 %*		*50-200*	*1546013*	*11-10-15*	*11-10-15*	*EPA 8015D*	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*		*50-150*	*1546011*	*11-10-15*	*11-10-15*	*EPA 8015D*	

envirotech
Analytical Laboratory

Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Greg Crabtree	11-Nov-15 15:32

West Wall

P511012-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*		*80-120*	*1546011*	*11/10/15*	*11/10/15*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	19.9	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1546015	11/10/15	11/10/15	EPA 8015D	
Surrogate: n-Nonane		*95.2 %*		*50-200*	*1546015*	*11/10/15*	*11/10/15*	*EPA 8015D*	
Surrogate: 1,4-Difluorobenzene-FID		*102 %*		*50-150*	*1546011*	*11/10/15*	*11/10/15*	*EPA 8015D*	

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Analytical Laboratory

Chevron	Project Name:	Nellie Patero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Greg Crabtree	11-Nov-15 15:32

South Wall

P511012-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*		*50-150*	*1546011*	*11/10/15*	*11/10/15*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1546011	11/10/15	11/10/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1546015	11/10/15	11/10/15	EPA 8015D	
Surrogate: n-Nonane		*95.3 %*		*50-200*	*1546015*	*11/10/15*	*11/10/15*	*EPA 8015D*	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*		*50-150*	*1546011*	*11/10/15*	*11/10/15*	*EPA 8015D*	

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Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Greg Crabtree	11-Nov-15 15:32

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1546011 - Purge and Trap EPA 5030A										
Blank (1546011-BLK1)				Prepared & Analyzed: 10-Nov-15						
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	*0.327*		"	*0.325*		*101*	*50-150*			
LCS (1546011-BS1)				Prepared & Analyzed: 10-Nov-15						
Benzene	10.3	0.10	mg/kg	9.98		103	70-130			
Toluene	10.1	0.10	"	9.98		101	70-130			
Ethylbenzene	10.1	0.10	"	9.98		101	70-130			
p,m-Xylene	20.3	0.20	"	20.0		102	70-130			
o-Xylene	9.74	0.10	"	9.98		97.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*0.322*		"	*0.319*		*101*	*50-150*			
Matrix Spike (1546011-MS1)		Source: P511012-01		Prepared & Analyzed: 10-Nov-15						
Benzene	10.0	0.10	mg/kg	10.1	ND	99.9	54.3-133			
Toluene	9.78	0.10	"	10.1	ND	97.1	61.4-130			
Ethylbenzene	9.78	0.10	"	10.1	ND	97.1	61.4-133			
p,m-Xylene	19.7	0.20	"	20.2	ND	97.7	63.3-131			
o-Xylene	9.42	0.10	"	10.1	ND	93.4	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	*0.323*		"	*0.323*		*100*	*50-150*			
Matrix Spike Dup (1546011-MSD1)		Source: P511012-01		Prepared & Analyzed: 10-Nov-15						
Benzene	10.3	0.10	mg/kg	9.80	ND	105	54.3-133	2.68	20	
Toluene	10.1	0.10	"	9.80	ND	103	61.4-130	2.75	20	
Ethylbenzene	10.1	0.10	"	9.80	ND	103	61.4-133	2.80	20	
p,m-Xylene	20.2	0.20	"	19.6	ND	103	63.3-131	2.76	20	
o-Xylene	9.68	0.10	"	9.80	ND	98.8	63.3-131	2.76	20	
Surrogate: 4-Bromochlorobenzene-PID	*0.313*		"	*0.314*		*99.9*	*50-150*			

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Analytical Laboratory

Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1587	Reported:
Aztec NM, 87410	Project Manager:	Greg Crabtree	11-Nov-15 15:32

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1546011 - Purge and Trap EPA 5030A										
Blank (1546011-BLK1)				Prepared & Analyzed: 10-Nov-15						
Gasoline Range Organics (C6-C10)	ND	20.3	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*0.334*		"	*0.325*		*103*	*50-150*			
LCS (1546011-BS1)				Prepared & Analyzed: 10-Nov-15						
Gasoline Range Organics (C6-C10)	113	20.0	mg/kg	113		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*0.325*		"	*0.319*		*102*	*50-150*			
Matrix Spike (1546011-MS1)		Source: P511012-01		Prepared & Analyzed: 10-Nov-15						
Gasoline Range Organics (C6-C10)	110	20.2	mg/kg	114	ND	96.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*0.330*		"	*0.323*		*102*	*50-150*			
Matrix Spike Dup (1546011-MSD1)		Source: P511012-01		Prepared & Analyzed: 10-Nov-15						
Gasoline Range Organics (C6-C10)	112	19.6	mg/kg	111	ND	101	70-130	2.11	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*0.318*		"	*0.314*		*101*	*50-150*			

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Analytical Laboratory

Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Greg Crabtree	11-Nov-15 15:32

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1546015 - DRO Extraction EPA 3550M										
Blank (1546015-BLK1)				Prepared & Analyzed: 10-Nov-15						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: n-Nonane	*45.0*		"	*50.0*		*90.0*	*50-200*			
LCS (1546015-BS1)				Prepared & Analyzed: 10-Nov-15						
Diesel Range Organics (C10-C28)	476	25.0	mg/kg	500		95.3	38-132			
Surrogate: n-Nonane	*42.8*		"	*50.0*		*85.7*	*50-200*			
Matrix Spike (1546015-MS1)	Source: P511011-01			Prepared & Analyzed: 10-Nov-15						
Diesel Range Organics (C10-C28)	488	25.0	mg/kg	530	ND	97.0	38-132			
Surrogate: n-Nonane	*44.2*		"	*50.0*		*82.4*	*50-200*			
Matrix Spike Dup (1546015-MSD1)	Source: P511011-01			Prepared & Analyzed: 10-Nov-15						
Diesel Range Organics (C10-C28)	522	25.0	mg/kg	500	ND	104	38-132	6.72	20	
Surrogate: n-Nonane	*32.1*		"	*50.0*		*64.3*	*50-200*			

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Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Greg Crabtree	11-Nov-15 15:32

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Client: Chevron

Project: Nellie Platero 5A- Confirmation Sampling

Sampler: F. Berns

Phone: (505) 947-9179

Email(s): Tatyana, Sheena, Greg, Felipe

Project Manager: Cory Crabtree

RUSH? ☑ 1d ☐ 3d

Lab Use Only

Lab WO# P511012

Job Number 92270-1387

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0					Lab Number	Correct Cont/Prsrv (s) Y/N
East Wall	11-9-15	10:21	S	1-4oz/cool/glass	X	X							1	Y
West Wall		10:33			X	X							2	Y
South Wall		10:37			X	X							3	X
~~Confirmation Area~~	~~11-9-15~~	~~12:pm~~	~~S~~	~~1-4oz/cool/glass~~										

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Tatyana Baca	11-9-15	14:47		11.9.15	~~1449~~ 16:49
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

**Received on Ice Y / N

T1 6.8 T2 8.1 T3 9.0

AVG Temp °C 7.9

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

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

Chain of Custody

Notes/Billing Info:

envirotech Analytical Laboratory

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Chevron

Chain Of Custody Number:

Samples Received: 11/13/2015 4:14:00PM

Job Number: 92270-1387

Work Order: P511026

Project Name/Location: Nellie Platero 5A

Entire Report Reviewed By: _____ Date: 11/19/15

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 11/17/15 2:49 pm

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Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Sheena Leon	19-Nov-15 09:11

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
North Wall	P511026-01A	Soil	11/13/15	11/13/15	Glass Jar, 4 oz.
North Bottom	P511026-02A	Soil	11/13/15	11/13/15	Glass Jar, 4 oz.

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Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Shegna Leon	19-Nov-15 09:11

North Wall

P511026-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1547002	11-16-15	11-16-15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1547002	11-16-15	11-16-15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1547002	11-16-15	11-16-15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1547002	11-16-15	11-16-15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1547002	11-16-15	11-16-15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1547002	11-16-15	11-16-15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1547002	11-16-15	11-16-15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*		*50-150*	*1547003*	*11-16-15*	*11-16-15*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.1	mg/kg	1	1547002	11-16-15	11-16-15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1547003	11-16-15	11-16-15	EPA 8015D	
Surrogate: n-Nonane		*92.4 %*		*50-200*	*1547003*	*11-16-15*	*11-16-15*	*EPA 8015D*	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*		*50-150*	*1547003*	*11-16-15*	*11-16-15*	*EPA 8015D*	

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Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Sheena Leon	19-Nov-15 09:11

North Bottom

P511026-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1547002	11/16/15	11/16/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1547002	11/16/15	11/16/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1547002	11/16/15	11/16/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1547002	11/16/15	11/16/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1547002	11/16/15	11/16/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1547002	11/16/15	11/16/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1547002	11/16/15	11/16/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*		*50-150*	*1547002*	*11/16/15*	*11/16/15*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1547002	11/16/15	11/16/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1547001	11/16/15	11/16/15	EPA 8015D	
Surrogate: n-Nonane		*93.4 %*		*50-200*	*1547001*	*11/16/15*	*11/16/15*	*EPA 8015D*	
Surrogate: 4-Bromochlorobenzene-FID		*111 %*		*50-150*	*1547002*	*11/16/15*	*11/16/15*	*EPA 8015D*	

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Analytical Laboratory

Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1587	Reported:
Aztec NM, 87410	Project Manager:	Sheena Leon	19-Nov-15 09:11

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1547002 - Purge and Trap EPA 5030A										
Blank (1547002-BLK1)				Prepared & Analyzed: 16-Nov-15						
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	*0.315*		"	*0.320*		*98.4*	*50-150*			
LCS (1547002-BS1)				Prepared & Analyzed: 16-Nov-15						
Benzene	9.64	0.10	mg/kg	10.0		96.4	70-130			
Toluene	9.45	0.10	"	10.0		94.5	70-130			
Ethylbenzene	9.48	0.10	"	10.0		94.8	70-130			
p,m-Xylene	19.1	0.20	"	20.1		95.3	70-130			
o-Xylene	9.19	0.10	"	10.0		91.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*0.320*		"	*0.322*		*99.5*	*50-150*			
Matrix Spike (1547002-MS1)	Source: P511026-01			Prepared & Analyzed: 16-Nov-15						
Benzene	10.8	0.10	mg/kg	9.93	ND	109	54.3-133			
Toluene	10.6	0.10	"	9.93	ND	106	61.4-130			
Ethylbenzene	10.6	0.10	"	9.93	ND	107	61.4-133			
p,m-Xylene	21.3	0.20	"	19.9	ND	107	63.3-131			
o-Xylene	10.2	0.10	"	9.93	ND	103	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	*0.317*		"	*0.318*		*99.7*	*50-150*			
Matrix Spike Dup (1547002-MSD1)	Source: P511026-01			Prepared & Analyzed: 16-Nov-15						
Benzene	10.6	0.10	mg/kg	10.0	ND	106	54.3-133	1.86	20	
Toluene	10.3	0.10	"	10.0	ND	103	61.4-130	2.09	20	
Ethylbenzene	10.3	0.10	"	10.0	ND	103	61.4-133	2.42	20	
p,m-Xylene	20.8	0.20	"	20.1	ND	104	63.3-131	2.18	20	
o-Xylene	10.0	0.10	"	10.0	ND	99.5	63.3-131	1.94	20	
Surrogate: 4-Bromochlorobenzene-PID	*0.323*		"	*0.321*		*101*	*50-150*			

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Chevron	Project Name:	Nellie Platero 5A	
332 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Sheena Leon	19-Nov-15 09:11

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1547001 - DRO Extraction EPA 3550M										
Blank (1547001-BLK1)				Prepared & Analyzed: 16-Nov-15						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: n-Nonane	47.4		"	50.0		94.8	50-200			
LCS (1547001-BS1)				Prepared & Analyzed: 16-Nov-15						
Diesel Range Organics (C10-C28)	447	25.0	mg/kg	500		89.5	38-132			
Surrogate: n-Nonane	47.3		"	50.0		93.0	50-200			
Matrix Spike (1547001-MS1)	Source: P511028-01			Prepared & Analyzed: 16-Nov-15						
Diesel Range Organics (C10-C28)	464	25.0	mg/kg	500	ND	92.9	38-132			
Surrogate: n-Nonane	42.7		"	50.0		85.4	50-200			
Matrix Spike Dup (1547001-MSD1)	Source: P511028-01			Prepared & Analyzed: 16-Nov-15						
Diesel Range Organics (C10-C28)	458	25.0	mg/kg	500	ND	91.7	38-132	1.28	20	
Surrogate: n-Nonane	42.8		"	50.0		85.7	50-200			

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Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1587	Reported:
Aztec NM, 87410	Project Manager:	Sheena Leon	19-Nov-15 09:11

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1547002 - Purge and Trap EPA 5030A										
Blank (1547002-BLK1)				Prepared & Analyzed: 16-Nov-15						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*0.356*		"	*0.320*		*111*	*50-150*			
LCS (1547002-BS1)				Prepared & Analyzed: 16-Nov-15						
Gasoline Range Organics (C6-C10)	117	20.1	mg/kg	113		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*0.368*		"	*0.322*		*113*	*50-150*			
Matrix Spike (1547002-MS1)	**Source: P511026-01**			Prepared & Analyzed: 16-Nov-15						
Gasoline Range Organics (C6-C10)	128	19.9	mg/kg	112	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*0.352*		"	*0.318*		*111*	*50-150*			
Matrix Spike Dup (1547002-MSD1)	**Source: P511026-01**			Prepared & Analyzed: 16-Nov-15						
Gasoline Range Organics (C6-C10)	123	20.1	mg/kg	113	ND	109	70-130	3.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*0.354*		"	*0.321*		*109*	*50-150*			

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Chevron	Project Name:	Nelbe Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Sheena Leon	19-Nov-15 09:11

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Client: Chevron
Project: Nellie Platero 5H
Sampler: S. Rea
Phone:
Email(s):
Project Manager: E. Dragon

RUSH? [X] 1d [ ] 3d

Page 1 of 1

Lab Use Only	Analysis and Method									Lab Only	
Lab WO# P511026	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0						Lab Number	Correct Cont/Prsrv (s) Y/N
Job Number 98220-1387											
North Wall	x									1	Y
North Bottom	x	x								2	Y

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative
North Wall	11/10/15	13:15	S	1-4oz/g/cool
North Bottom	11/13/15	13:30	S	1-4oz/g/cool

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Shoonafleur	11/13/15	16:10		11.13.15	1614
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
**Received on Ice (Y) / N
T1____ T2____ T3____
AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

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

Chain of Custody

Notes/Billing info:

envirotech
Analytical Laboratory

Client: Chevron
Project: Nellie Platero 5M
Sampler: S. Rea
Phone:
Email(s):
Project Manager: E. Aragon

RUSH? 1d 3d

Lab Use Only
Lab WO# P511026
Job Number 98220-1387

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1
North Wall	11/10/15	13:15	S	1-4oz/g/cool	X	X	Ad
North Bottom	11/13/15	13:30	S	1-4oz/g/cool	X	X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Sheena Rea	11/10/15	16:10		11-13-15	1614
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

**Received on ice
T1____
AVG Temp °C 4.

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent day

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

Chain of Custody

Notes/Billing info:

envirotech
Analytical Laboratory

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Chevron

Chain Of Custody Number:

Samples Received: 11/20/2015 2:05:00PM

Job Number: 92270-1387

Work Order: P511043

Project Name/Location: Nellie Platero 5A

Entire Report Reviewed By: _____ Date: 11/24/15

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 11/24/15 2:02 pm

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Analytical Laboratory

Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Sheena Leon	24-Nov-15 15:54

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
South Bottom	P511043-01A	Soil	11/20/15	11/20/15	Glass Jar, 4 oz.

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Analytical Laboratory

Chevron	Project Name	Nellie Platero 5A	
322 Road 3100	Project Number	92270-1387	Reported:
Aztec NM, 87410	Project Manager	Sheena Leon	24-Nov-15 15:54

South Bottom

P511043-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1548001	11-23-15	11-23-15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1548001	11-23-15	11-23-15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1548001	11-23-15	11-23-15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1548001	11-23-15	11-23-15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1548001	11-23-15	11-23-15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1548001	11-23-15	11-23-15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1548001	11-23-15	11-23-15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*		*50-150*	*1548001*	*11-23-15*	*11-23-15*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1548001	11-23-15	11-23-15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1548007	11-23-15	11-23-15	EPA 8015D	
Surrogate: n-Nonane		*110 %*		*50-200*	*1548007*	*11-23-15*	*11-23-15*	*EPA 8015D*	
Surrogate: 4-Chloro-4-fluorobenzene-FID		*104 %*		*50-150*	*1548001*	*11-23-15*	*11-23-15*	*EPA 8015D*	

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Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Sheena Leon	24-Nov-15 15:54

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1548001 - Purge and Trap EPA 5030A										
Blank (1548001-BLK1)				Prepared & Analyzed: 23-Nov-15						
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	*0.326*		"	*0.320*		*102*	*50-150*			
LCS (1548001-BS1)				Prepared & Analyzed: 23-Nov-15						
Benzene	12.4	0.10	mg/kg	10.0		124	70-130			
Toluene	12.2	0.10	"	10.0		122	70-130			
Ethylbenzene	12.2	0.10	"	10.0		122	70-130			
p,m-Xylene	24.1	0.20	"	20.0		121	70-130			
o-Xylene	11.7	0.10	"	10.0		117	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*0.325*		"	*0.320*		*101*	*50-150*			
Matrix Spike (1548001-MS1)		**Source: P511044-14**		Prepared & Analyzed: 23-Nov-15						
Benzene	12.0	0.10	mg/kg	10.0	ND	120	54.3-133			
Toluene	11.8	0.10	"	10.0	ND	118	61.4-130			
Ethylbenzene	11.7	0.10	"	10.0	0.11	116	61.4-133			
p,m-Xylene	23.1	0.20	"	20.0	ND	116	63.3-131			
o-Xylene	11.3	0.10	"	10.0	ND	113	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	*0.328*		"	*0.320*		*102*	*50-150*			
Matrix Spike Dup (1548001-MSD1)		**Source: P511044-14**		Prepared & Analyzed: 23-Nov-15						
Benzene	12.9	0.10	mg/kg	10.0	ND	129	54.3-133	6.91	20	
Toluene	12.7	0.10	"	10.0	ND	127	61.4-130	7.85	20	
Ethylbenzene	12.6	0.10	"	10.0	0.11	125	61.4-133	7.73	20	
p,m-Xylene	25.0	0.20	"	20.0	ND	125	63.3-131	7.74	20	
o-Xylene	12.2	0.10	"	10.0	ND	122	63.3-131	7.47	20	
Surrogate: 4-Bromochlorobenzene-PID	*0.326*		"	*0.320*		*102*	*50-150*			

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Analytical Laboratory

Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Sheena Leon	24-Nov-15 15:54

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1548001 - Purge and Trap EPA 5030A										
Blank (1548001-BLK1)				Prepared & Analyzed: 23-Nov-15						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*0.326*		"	*0.320*		*102*	*50-150*			
LCS (1548001-BS1)				Prepared & Analyzed: 23-Nov-15						
Gasoline Range Organics (C6-C10)	131	20.0	mg/kg	106		123	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*0.301*		"	*0.328*		*94.0*	*50-150*			
Matrix Spike (1548001-MS1)	Source: P511044-14			Prepared & Analyzed: 23-Nov-15						
Gasoline Range Organics (C6-C10)	134	20.0	mg/kg	106	ND	126	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*0.320*		"	*0.320*		*100*	*50-150*			
Matrix Spike Dup (1548001-MSD1)	Source: P511044-14			Prepared & Analyzed: 23-Nov-15						
Gasoline Range Organics (C6-C10)	135	20.0	mg/kg	106	ND	128	70-130	1.26	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*0.301*		"	*0.320*		*94.2*	*50-150*			

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Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Sheena Leon	24-Nov-15 15:54

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1548007 - DRO Extraction EPA 3550M										
Blank (1548007-BLK1)				Prepared & Analyzed: 23-Nov-15						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: n-Nonane	53.9		"	*50.0*		*112*	*50-200*			
LCS (1548007-BS1)				Prepared & Analyzed: 23-Nov-15						
Diesel Range Organics (C10-C28)	526	25.0	mg/kg	500		105	38-132			
Surrogate: n-Nonane	55.7		"	*50.0*		*111*	*50-200*			
Matrix Spike (1548007-MS1)	Source: P511043-01			Prepared & Analyzed: 23-Nov-15						
Diesel Range Organics (C10-C28)	563	25.0	mg/kg	500	ND	113	38-132			
Surrogate: n-Nonane	*57.0*		"	*50.0*		*114*	*50-200*			
Matrix Spike Dup (1548007-MSD1)	Source: P511043-01			Prepared & Analyzed: 23-Nov-15						
Diesel Range Organics (C10-C28)	565	25.0	mg/kg	500	ND	113	38-132	0.428	20	
Surrogate: n-Nonane	*55.3*		"	*50.0*		*107*	*50-200*			

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Chevron	Project Name:	Nellie Platero 5A	
322 Road 3100	Project Number:	92270-1387	Reported:
Aztec NM, 87410	Project Manager:	Sheena Leon	24-Nov-15 15:54

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Client: Chevron

Project: Nellie Platero 5A

Sampler: S. Leon

Phone:

Email(s): S. Leon

Project Manager: F. Aragon

RUSH? [X] 1d [ ] 3d

Lab Use Only

Lab WO# P511043

Job Number 92270-1387

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	TCLP Metals	Colorado Table 910-1				Lab Only: Lab Number	Lab Only: Correct Cont/Prsrv (s) Y/N
					Analysis and Method										
South Bottom	11/20/15	12:30	S	1-4oz/g/cool	X	X								Y	Y

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Sheena Leon	11/20/15	14 05		11.20.15	1405
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

**Received on Ice Y N

T1 5.9 T2 T3

AVG Temp °C 5.9

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6C on subsequent days.

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

Chain of Custody

Notes/Billing Info:

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