

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company ConocoPhillips Company	Contact Lisa Hunter
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 258-1607
Facility Name: Nickson 16	Facility Type: Gas
Surface Owner: BLM	Mineral Owner: SF-078431
API No. 3004520183	

LOCATION OF RELEASE

Unit Letter O	Section 35	Township 26N	Range 08W	Feet from the 1075'	North/South Line FSL	Feet from the 1515'	East/West Line FEL	County San Juan
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Latitude **36.438872** Longitude **-107.64703**

NATURE OF RELEASE

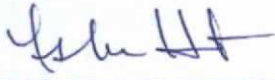
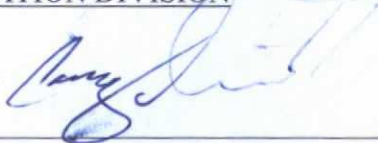
Type of Release Produced Water & Hydrocarbon	Volume of Release 18.25 bbls	Volume Recovered 0
Source of Release corroded hole in production tank	PW & 3.5 bbls HC	Date and Hour of Discovery 2/12/15 @ 1:45pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	Date and Hour of Occurrence 2/12/15 @ 1:45pm	If YES, To Whom?
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		

Describe Cause of Problem and Remedial Action Taken.*
Corroded hole discovered near bottom of production tank. Spec truck was called to empty tank. COP will have area sampled and delineated. A final C-141 will follow.

Describe Area Affected and Cleanup Action Taken.*
Visually impacted soils were removed. Analytical results were below the regulatory standards – no further action required. The soil sampling report is attached for review. On 08/31/16, a follow-up site visit confirmed no surface stain in bermed tank battery from 2015 release.

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.

OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist: 	
Printed Name: Lisa Hunter		
Title: Field Environmental Specialist	Approval Date: 9/14/16	Expiration Date:
E-mail Address: Lisa.Hunter@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 09/08/2016	Phone: (505) 258-1607	

* Attach Additional Sheets If Necessary

#NCS 1507249843

23

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Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company ConocoPhillips Company	Contact Lindsay Dumas
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 599-4089
Facility Name: Nickson 16	Facility Type: Gas
Surface Owner: BLM	Mineral Owner: SF-078431
API No. 3004520183	

LOCATION OF RELEASE

Unit Letter O	Section 35	Township 26N	Range 08W	Feet from the 1075'	North/South Line FSL	Feet from the 1515'	East/West Line FEL	County San Juan
-------------------------	----------------------	------------------------	---------------------	-------------------------------	--------------------------------	-------------------------------	------------------------------	---------------------------

Latitude **36.438872** Longitude **-107.64703**

NATURE OF RELEASE

Type of Release Produced Water & Hydrocarbon	Volume of Release 18.25 bbls PW & 3.5 bbls HC	Volume Recovered 0
Source of Release corroded hole in production tank	Date and Hour of Occurrence 2/12/15 @ 1:45pm	Date and Hour of Discovery 2/12/15 @ 1:45pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? OIL CONS. DIV DIST. 3	
By Whom?	Date and Hour AUG 12 2016	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

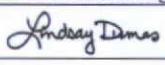


Describe Cause of Problem and Remedial Action Taken.*

Corroded hole discovered near bottom of production tank. Spec truck was called to empty tank. COP will have area sampled and delineated. A final C-141 will follow.

Describe Area Affected and Cleanup Action Taken.*

Visually impacted soils were removed. **Analytical results were below the regulatory standards – no further action required. The soil sampling report is attached for review.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Lindsay Dumas	Approved by Environmental Specialist: 	
Title: Field Environmental Specialist	Approval Date: 	Expiration Date:
E-mail Address: Lindsay.Dumas@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/18/2015	Phone: (505) 599-4089	

* Attach Additional Sheets If Necessary



March 2, 2015

Project Number 96052-2484

Ms. Lindsay Dumas
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone: (505) 599-4089

RE: SPILL ASSESSMENT REPORT FOR THE NICKSON #16 WELL SITE, SAN JUAN COUNTY, NEW MEXICO


Dear Ms. Dumas:

Enclosed please find the field notes and analytical results for spill assessment activities performed at the Nickson #16 well site located in Section 35, Township 26 North, Range 8 West, San Juan County, New Mexico. A release occurred due to a small hole in the side of the above ground storage tank (AST). Upon Envirotech personnel's arrival on February 17, 2015, a brief site assessment was conducted. Due to a horizontal distance to surface water greater than 1000 feet from the site, a depth to groundwater greater than 100 feet, and a horizontal distance to a water well greater than 1000 feet, the regulatory standards were determined to be 5000 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

Upon Envirotech personnel's arrival, four (4) samples were collected from the location. One (1) sample was collected from the foot (4) feet below ground surface (BGS) from the area of visually impacted soil. One (1) sample was collected approximately five (5) feet south of the center of the impacted area at six (6) inches BGS. One (1) sample was collected from approximately 10 feet south of the center of the impacted area at six (6) inches BGS. One (1) sample was collected from approximately four (4) feet to the north of the center of the impacted area at six (6) inches BGS. The samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID). All samples returned results below the regulatory standard for TPH and organic vapors; see enclosed *Field Notes* and *Analytical Results*. The sample from the center of the visually impacted soil at four (4) feet BGS was then collected 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, benzene and total BTEX using USEPA Method 8021 and chlorides using USEPA Method 300.0. The sample returned results below the regulatory standard for all constituents analyzed; see enclosed *Analytical Results*. Envirotech, Inc. recommends excavation visually stained area to four (4) feet BGS.

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.


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

Enclosure(s): Field Notes
Site Map
Site Photography
Analytical Results

Cc: Client File Number 96052

Client: <u>ConocoPhillips</u> Environmental Specialist: <u>S. Leon</u>	 (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Project No: <u>90052-248</u> COC No: _____
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Field Report: Spill Closure Verification

Start Date: <u>2/17/15</u>	NMOCD Ranking: <u>0</u>	WH Protection Area: <u>ND</u>
Finish Date: <u>2/17/15</u>	NMOCD TPH Closure Std: <u>5000</u>	Distance to SW: <u>>1000ft</u>
Page #: <u>1</u> of <u>2</u>	PPM: _____	Depth to GW: <u>n/a</u>

LOCATION:	Name: <u>Nickson</u>	Well #: <u>14</u>	
	County: <u>San Juan</u>	State: <u>New Mexico</u>	
Cause of Release: <u>Hole in tank</u>	Material Released: _____	Amt. Released: <u>n/a</u>	
QUAD/UNIT: _____	SEC: <u>35</u>	TWP: <u>26N</u>	RNG: <u>8W</u> PM: _____
Wellhead Lat/Long: <u>36.438831, -107.641608</u> Land Jurisdiction: _____			

SOIL SAMPLING and EXCAVATION NOTES: * include number of samples and borings taken, and screening types completed.

Describe spill in narrative format including amount, source and type of product.

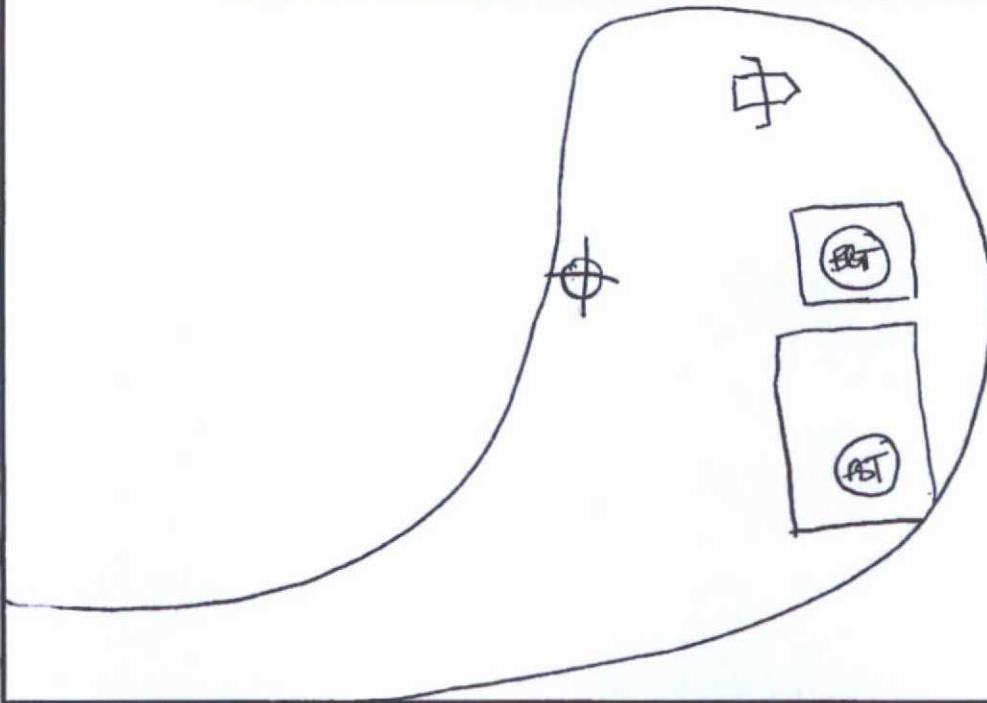
1- sample @ 4' in front of source of release
 3- Samples @ 6" to establish perimeter

Spill Located Approximately: _____ FT.	FROM: <u>Production tank</u>
Excavation Approx: _____ FT. X _____ FT. X _____ FT.	Cubic Yardage: _____
Disposal Facility: _____	Remediation Method: _____
Land Use: _____	Lease: _____ Land Owner: _____

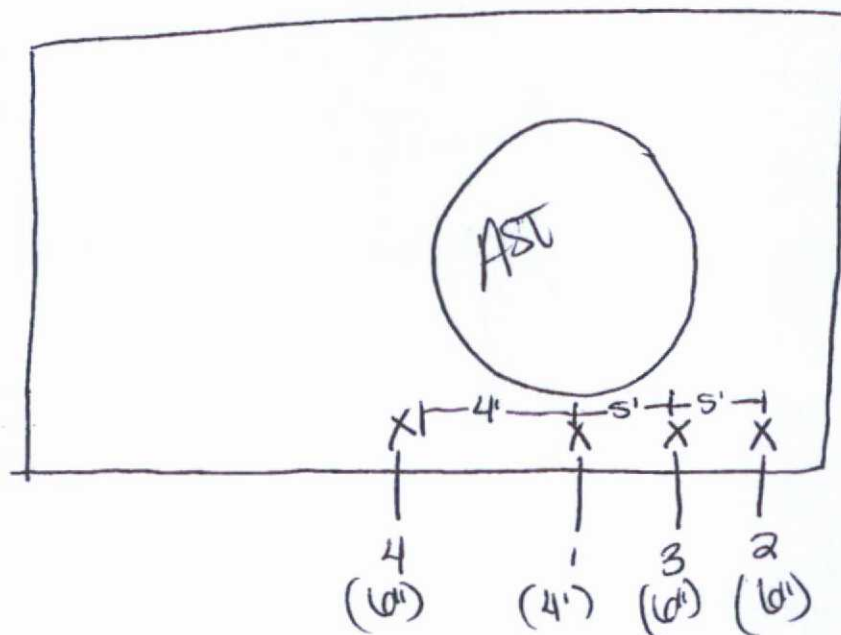
SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 Standard	10:00					219	
Hole 1 @ 4'	10:30	1	5g	20ml	X4	506	2264
Hole 2 @ 6"	10:50	2	5g	20ml	X4	1	4
Hole 3 @ 6"	11:30	3	5g	20ml	X4	12	48
Hole 4 @ 6"	12:00	4	5g	20ml	X4	22	88

OVM Results		Lab Testing			
Sample ID	Field Headspace PID (ppm)	Sample ID	To Lab Y/N	Analysis Type	Time
1	26.1	Hole 1 4'	Y	RO5, 821, CL-	
2	0				
3	0				
4	.5				

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



EXCAVATION PROFILE:





LEGEND

SAMPLE LOCATIONS

X Sample Hole 1

X Sample Hole 2

X Sample Hole 3

X Sample Hole 4

SITE MAP ConocoPhillips

Nickson #16

SECTION 35, TWP 26 NORTH, RANGE 8 WEST
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS

FIGURE NO. 1

REV

PROJECT NO96052-2484

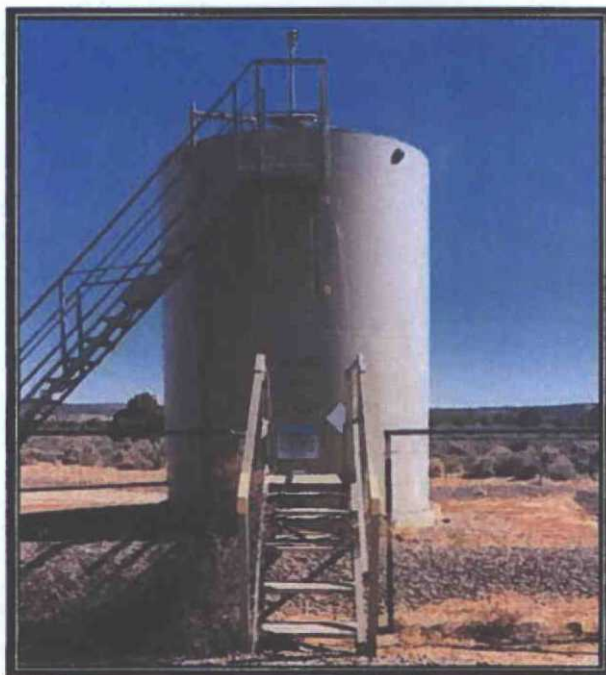
REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP DRWN	SL	2/27/15	BASE DRWN

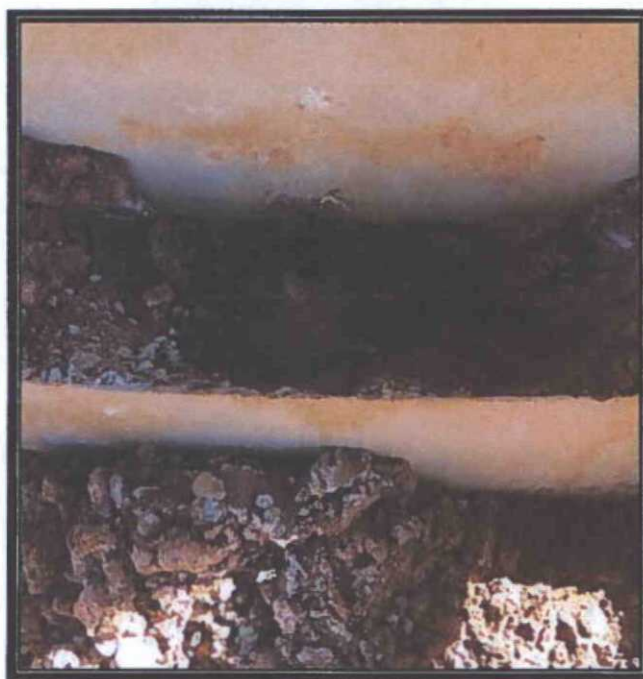


5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

**SITE PHOTOGRAPHY
NICKSON #16
SPILL ASSESSMENT REPORT
SAN JUAN COUNTY, NEW MEXICO
PROJECT NUMBER 96052-2484
FEBRUARY 2015**



Picture 1: Production Tank (Source)



Picture 2: Production Tank (Source)

**SITE PHOTOGRAPHY
NICKSON #16
SPILL ASSESSMENT REPORT
SAN JUAN COUNTY, NEW MEXICO
PROJECT NUMBER 96052-2484
FEBRUARY 2015**



Picture 3: Sample hole 1 and 4



Picture 4: Sample holes 2 and 3

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 17-Feb-15

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	219
	200	
	500	
	1000	

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

Analyst

Sheena Leon

Print Name



Review

Felipe Aragon

Print Name

2/27/2015

Date

2/27/2015

Date

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 1
Sample ID: Hole 1
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 96052-2484
Date Reported: 2/27/2015
Date Sampled: 2/17/2015
Date Analyzed: 2/17/2015
Analysis Needed: TPH-418.1

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

Total Petroleum Hydrocarbons	2,260	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: **Nickson #16**

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



Analyst

Sheena Leon
Printed



Review

Felipe Aragon
Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 2
Sample ID: Hole 2
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 96052-2484
Date Reported: 2/27/2015
Date Sampled: 2/17/2015
Date Analyzed: 2/17/2015
Analysis Needed: TPH-418.1

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

Total Petroleum Hydrocarbons

ND

5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: **Nickson #16**

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


Analyst

Sheena Leon
Printed


Review

Felipe Aragon
Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 3
Sample ID: Hole 3
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 96052-2484
Date Reported: 2/27/2015
Date Sampled: 2/17/2015
Date Analyzed: 2/17/2015
Analysis Needed: TPH-418.1

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

Total Petroleum Hydrocarbons

48

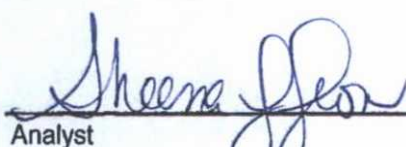
5.0

ND = Parameter not detected at the stated detection limit.

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


Comments: **Nickson #16**

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



Analyst

Sheena Leon
Printed



Review

Felipe Aragon
Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 4
Sample ID: Hole 4
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 96052-2484
Date Reported: 2/27/2015
Date Sampled: 2/17/2015
Date Analyzed: 2/17/2015
Analysis Needed: TPH-418.1

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: **Nickson #16**

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



Analyst

Sheena Leon
Printed



Review

Felipe Aragon
Printed



Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number:

Samples Received: 2/17/2015 3:10:00PM

Job Number: 96052-2484

Work Order: P502060

Project Name/Location: Nickson #16

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 2/26/15

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Nickson #16
Project Number: 96052-2484
Project Manager: Sheena Leon

Reported:
26-Feb-15 18:03

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
4' BGS	P502060-01A	Soil	02/17/15	02/17/15	Glass Jar, 4 oz.

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5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Nickson #16
Project Number: 96052-2484
Project Manager: Sheena Leon

Reported:
26-Feb-15 18:03

4' BGS
P502060-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1509020	02/24/15	02/26/15	EPA 8021B	
Toluene	1.38	0.10	mg/kg	1	1509020	02/24/15	02/26/15	EPA 8021B	
Ethylbenzene	15.4	0.10	mg/kg	1	1509020	02/24/15	02/26/15	EPA 8021B	
p,m-Xylene	0.85	0.20	mg/kg	1	1509020	02/24/15	02/26/15	EPA 8021B	
o-Xylene	0.99	0.10	mg/kg	1	1509020	02/24/15	02/26/15	EPA 8021B	
Total Xylenes	1.84	0.10	mg/kg	1	1509020	02/24/15	02/26/15	EPA 8021B	
Total BTEX	18.6	0.10	mg/kg	1	1509020	02/24/15	02/26/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %		50-150	1509020	02/24/15	02/26/15	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	281	9.99	mg/kg	1	1509020	02/24/15	02/26/15	EPA 8015D	
Diesel Range Organics (C10-C28)	291	24.7	mg/kg	1	1508044	02/20/15	02/24/15	EPA 8015D	
Surrogate: o-Terphenyl		97.6 %		50-200	1508044	02/20/15	02/24/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		88.5 %		50-150	1509020	02/24/15	02/26/15	EPA 8015D	
Cation/Anion Analysis									
Chloride	ND	9.92	mg/kg	1	1509012	02/24/15	02/24/15	EPA 300.0	

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envirotech-inc.com
laboratory@envirotech-inc.com



ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Nickson #16
Project Number: 96052-2484
Project Manager: Sheena Leon

Reported:
26-Feb-15 18:03

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 1509020 - Purge and Trap EPA 5030A										
Blank (1509020-BLK1)				Prepared: 24-Feb-15 Analyzed: 26-Feb-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	0.351		"	0.400		87.9	50-150			
LCS (1509020-BS1)				Prepared: 24-Feb-15 Analyzed: 25-Feb-15						
Benzene	17.8	0.10	mg/kg	19.9		89.1	75-125			
Toluene	17.7	0.10	"	19.9		88.8	70-125			
Ethylbenzene	17.7	0.10	"	19.9		88.9	75-125			
p,m-Xylene	35.6	0.20	"	39.9		89.4	80-125			
o-Xylene	17.0	0.10	"	19.9		85.2	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.333		"	0.399		83.6	50-150			
Matrix Spike (1509020-MS1)				Source: P502060-01	Prepared: 24-Feb-15 Analyzed: 25-Feb-15					
Benzene	17.4	0.10	mg/kg	20.0	ND	87.2	75-125			
Toluene	17.7	0.10	"	20.0	1.38	81.6	70-125			
Ethylbenzene	18.3	0.10	"	20.0	15.4	14.4	75-125			
p,m-Xylene	49.2	0.20	"	39.9	0.85	121	80-125			
o-Xylene	19.3	0.10	"	20.0	0.99	91.6	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.324		"	0.399		81.2	50-150			
Matrix Spike Dup (1509020-MSD1)				Source: P502060-01	Prepared: 24-Feb-15 Analyzed: 25-Feb-15					
Benzene	19.8	0.10	mg/kg	20.0	ND	98.9	75-125	12.8	15	
Toluene	20.1	0.10	"	20.0	1.38	93.5	70-125	12.7	15	
Ethylbenzene	20.8	0.10	"	20.0	15.4	27.2	75-125	13.0	15	
p,m-Xylene	56.4	0.20	"	40.0	0.85	139	80-125	13.5	15	
o-Xylene	22.1	0.10	"	20.0	0.99	106	75-125	13.6	15	
Surrogate: 4-Bromochlorobenzene-PID	0.351		"	0.400		87.9	50-150			

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envirotech-inc.com
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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Nickson #16
Project Number: 96052-2484
Project Manager: Sheena Leon

Reported:
26-Feb-15 18:03

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 1508044 - DRO Extraction EPA 3550M										
Blank (1508044-BLK1)				Prepared: 20-Feb-15 Analyzed: 23-Feb-15						
Diesel Range Organics (C10-C28)	ND	24.8	mg/kg							
Surrogate: o-Terphenyl	45.0		"	39.7		113	50-200			
LCS (1508044-BS1)				Prepared: 20-Feb-15 Analyzed: 21-Feb-15						
Diesel Range Organics (C10-C28)	526	24.6	mg/kg	493		107	38-132			
Surrogate: o-Terphenyl	41.3		"	39.4		105	50-200			
Matrix Spike (1508044-MS1)				Source: P502076-01 Prepared: 20-Feb-15 Analyzed: 21-Feb-15						
Diesel Range Organics (C10-C28)	544	39.3	mg/kg	491	ND	111	38-132			
Surrogate: o-Terphenyl	48.7		"	39.3		124	50-200			
Matrix Spike Dup (1508044-MSD1)				Source: P502076-01 Prepared: 20-Feb-15 Analyzed: 21-Feb-15						
Diesel Range Organics (C10-C28)	306	24.5	mg/kg	491	ND	62.4	38-132	56.1	20	D1
Surrogate: o-Terphenyl	27.4		"	39.2		69.8	50-200			

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Project Name: Nickson #16
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Reported:
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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 1509020 - Purge and Trap EPA 5030A										
Blank (1509020-BLK1)				Prepared: 24-Feb-15 Analyzed: 26-Feb-15						
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.354		"	0.400		88.6	50-150			
LCS (1509020-BS1)				Prepared: 24-Feb-15 Analyzed: 25-Feb-15						
Gasoline Range Organics (C6-C10)	216	9.96	mg/kg	233		92.7	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.325		"	0.399		81.5	50-150			
Matrix Spike (1509020-MS1)				Source: P502060-01 Prepared: 24-Feb-15 Analyzed: 25-Feb-15						
Gasoline Range Organics (C6-C10)	460	9.98	mg/kg	233	281	76.8	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.323		"	0.399		80.9	50-150			
Matrix Spike Dup (1509020-MSD1)				Source: P502060-01 Prepared: 24-Feb-15 Analyzed: 25-Feb-15						
Gasoline Range Organics (C6-C10)	458	10.0	mg/kg	233	281	75.6	75-125	0.558	15	
Surrogate: 4-Bromochlorobenzene-FID	0.350		"	0.400		87.5	50-150			

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Project Name: Nickson #16
Project Number: 96052-2484
Project Manager: Sheena Leon

Reported:
26-Feb-15 18:03

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1509012 - Anion Extraction EPA 300.0										
Blank (1509012-BLK1)										
					Prepared & Analyzed: 24-Feb-15					
Chloride	ND	9.86	mg/kg							
LCS (1509012-BS1)										
					Prepared & Analyzed: 24-Feb-15					
Chloride	469	9.91	mg/kg	496		94.6	90-110			
Matrix Spike (1509012-MS1)										
					Source: P502057-01 Prepared & Analyzed: 24-Feb-15					
Chloride	477	9.87	mg/kg	494	ND	96.7	80-120			
Matrix Spike Dup (1509012-MSD1)										
					Source: P502057-01 Prepared & Analyzed: 24-Feb-15					
Chloride	479	9.93	mg/kg	496	ND	96.6	80-120	0.436	20	

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Project Name: Nickson #16
Project Number: 96052-2484
Project Manager: Sheena Leon

Reported:
26-Feb-15 18:03

Notes and Definitions

D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds control limits.
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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Lab Use Only	Analysis and Method							Lab Number	Spec Cont/Prsrv (s) Y/N
Lab WO#	RO by 8015	y 8021	418.1	e by 300.0					
Job Number									

Sample ID		Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPEReservative	GRO/DI	BTEX by	TPH by	Chloride										Corre	
4' BGS		2/17/15	11:30	S	1-4oz g / cool	X	X	X	X									01	v	
										No 418 per Sheena 02/17/15 ing										

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 6 °C 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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Page 9 of 9