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 **Crystal Tafoya**
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 326-9837
Facility Name: **San Juan 32 Federal 22 1A**	Facility Type: **Gas Well**

Surface Owner **BLM**	Mineral Owner **BLM (SF-079341)**	API No.**30-045-31614**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	**22**	**32N**	**9W**	**1885**	**South**	**1285**	**East**	**San Juan**

Latitude 36.96778 Longitude 107.76167

NATURE OF RELEASE

Type of Release **Produced Water**	Volume of Release **45BBLS**	Volume Recovered **40BBLS**
Source of Release **Bulk Tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **9/9/13 at 10:00AM**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Shari Ketcham (BLM) & Jonathan Kelly (OCD)**	
By Whom? **Crystal Tafoya**	Date and Hour **9/10/13 at 7:00AM**	RCVD OCT 22 '13
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	OIL CONS. DIV. DIST. 3

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Discovered bulk tank overflowed due to equipment malfunction allowing 45bbls of produced water to be released. The well was shut-in immediately and a water truck dispatched to location. 40bbls of produced water was able to be recovered. The release was contained in the berm and did not leave location.

Describe Area Affected and Cleanup Action Taken.*
NMOCD action levels for releases are specified in NMOCD's Guidelines for Leaks, Spills and Releases and the release was assigned a ranking score of 10. Samples were collected and analytical results are below applicable NMOCD action levels. No further work will be performed. The final report is attached for review.

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

Signature: Crystal A. Tafoya	OIL CONSERVATION DIVISION Approved by Environmental Specialist: Jonathan D. Kelly
Printed Name: **Crystal Tafoya**	
Title: **Field Environmental Specialist**	Approval Date: 11/7/2013 Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval: Attached ☐
Date: 10/16/13 Phone: (505) 326-9837	

* Attach Additional Sheets If Necessary

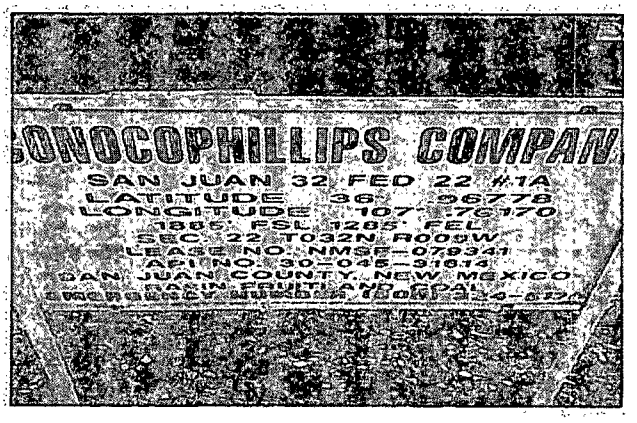
nJK1331132877

24

SPILL ASSESSMENT AND CONFIRMATION SAMPLING REPORT

LOCATION:
CONOCOPHILLIPS
SAN JUAN 32 FEDERAL 22 #1A WELL SITE
SECTION 22, TOWNSHIP 32 NORTH, RANGE 9 WEST
SAN JUAN COUNTY, NEW MEXICO

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



PROJECT NUMBER 96052-2388
SEPTEMBER 2013

CONOCOPHILLIPS
SPILL ASSESSMENT AND CONFIRMATION SAMPLING REPORT
SAN JUAN 32 FEDERAL 22 #1 A WELL SITE
SECTION 22, TOWNSHIP 32 NORTH, RANGE 9 WEST
SAN JUAN COUNTY, NEW MEXICO

TABLE OF CONTENTS

Figures: Figure 1, Vicinity Map
Figure 2, Site Map

Appendices: Appendix A, Field Notes
Appendix B, Analytical Results

INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by ConocoPhillips to provide spill assessment and confirmation sampling services due to a release of produced water at the San Juan 32 Federal 22 #1A well site located in Section 22, Township 32 North, Range 9 West, San Juan County, New Mexico; see enclosed ***Figure 1, Vicinity Map***. Activities included sample collection and analysis, documentation and reporting.

ACTIVITIES PERFORMED

Envirotech, Inc. was contacted with a request to respond to an above ground storage tank (AST) leak at the above referenced location. The AST released approximately 45 barrels (bbls) of produced water; the release was contained by the berm surrounding the AST. The regulatory standards for the site were determined to be 1000 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors due to a horizontal distance to surface water being between 200-1000 feet, a distance to groundwater greater than 100 feet and being outside of a wellhead protection area, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

Prior to Envirotech's arrival, approximately 44 bbls of the produced water was removed from within the berm surrounding the AST. Envirotech personnel collected a total of two (2) five (5)-point composite soil samples from inside the bermed area. One (1) sample was collected from the north side of the berm and one (1) sample was collected from the south side of the berm; see ***Appendix A, Field Notes***. The samples were analyzed in the field for TPH using USEPA Method 418.1. Both samples returned results below the regulatory standards for TPH; see ***Appendix A, Field Notes***. In addition to the soil samples, two (2) water samples were collected from areas of standing water, due to recent precipitation, on the north side and south side of bermed area. The water samples were placed in 250 ml poly containers and the soil samples were placed into four (4)-ounce glass jars. All four (4) samples were capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for chlorides using USEPA Method 4500 for soil and USEPA Method 300 for water. The water sample collected from the north side of the berm returned results of 510 mg/L. The water sample from the south side returned results of 325 mg/L. The soil sample from the north side returned results of 273 mg/kg and the soil sample from the south side returned results of 277 mg/kg; see ***Appendix B, Analytical Results***. Based on the results above, Envirotech, Inc. recommends no further action in regards to this incident.

SUMMARY AND CONCLUSIONS

Spill assessment and confirmation sampling activities were performed for a release of produced water at the San Juan 32 Federal 22 #1A well site located in Section 22, Township 32 North, Range 9 West, San Juan County, New Mexico. Envirotech, Inc. recommends no further action in regards to this incident.

STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed spill assessment and confirmation sampling activities for a release of produced water at the San Juan 32 Federal 22 #1A well site located in Section 22, Township 32 North, Range 9 West, San Juan County, New Mexico. The work and services provided by Envirotech, Inc. were in accordance with the New Mexico Oil Conservation Division standards. All observations and conclusions provided here are based on the information and current site conditions found at the site of the incident.

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,

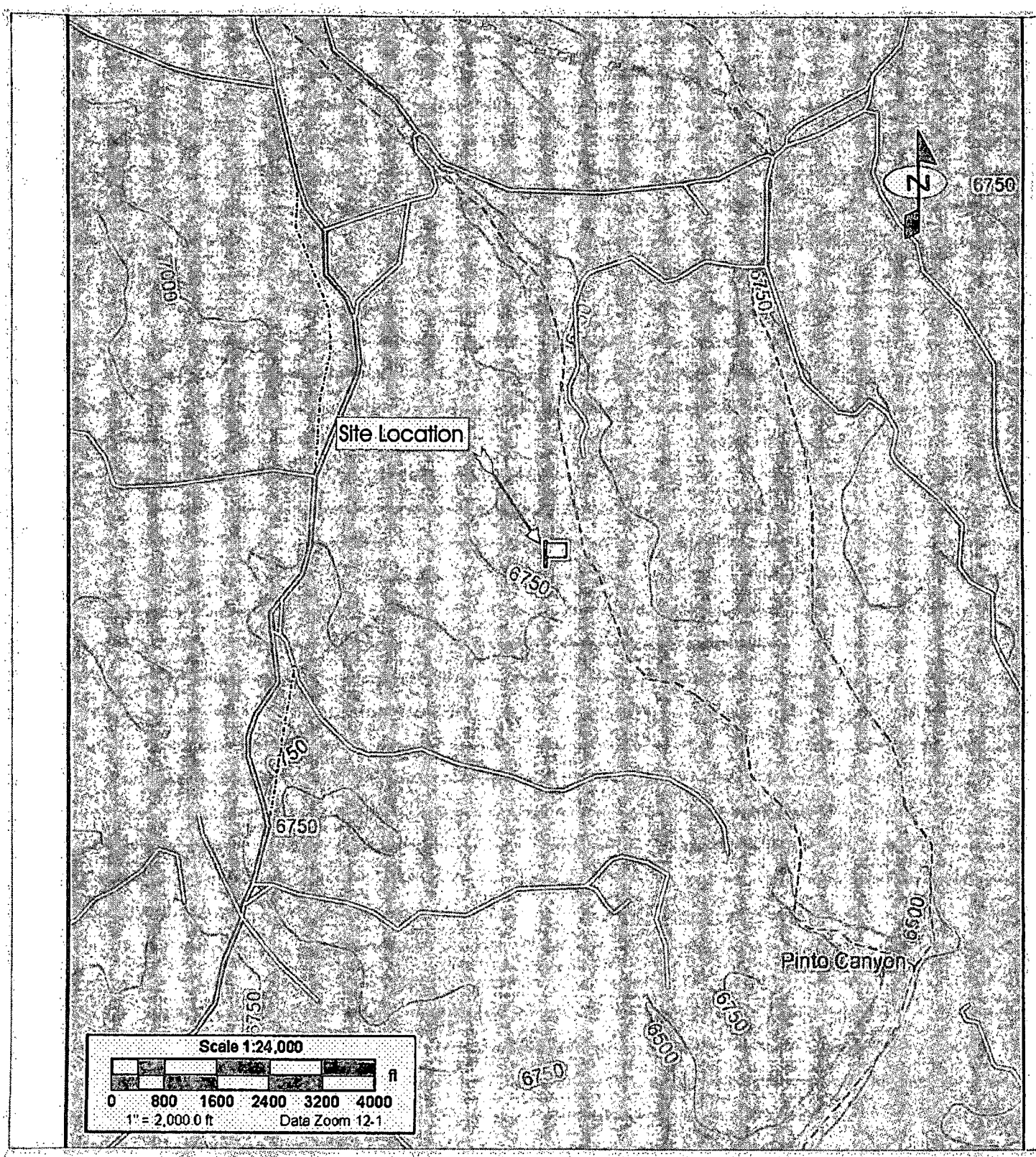
ENVIROTECH, INC.

Isaac Garcia
Environmental Field Technician
igarcia@envirotech-inc.com

Reviewed by:

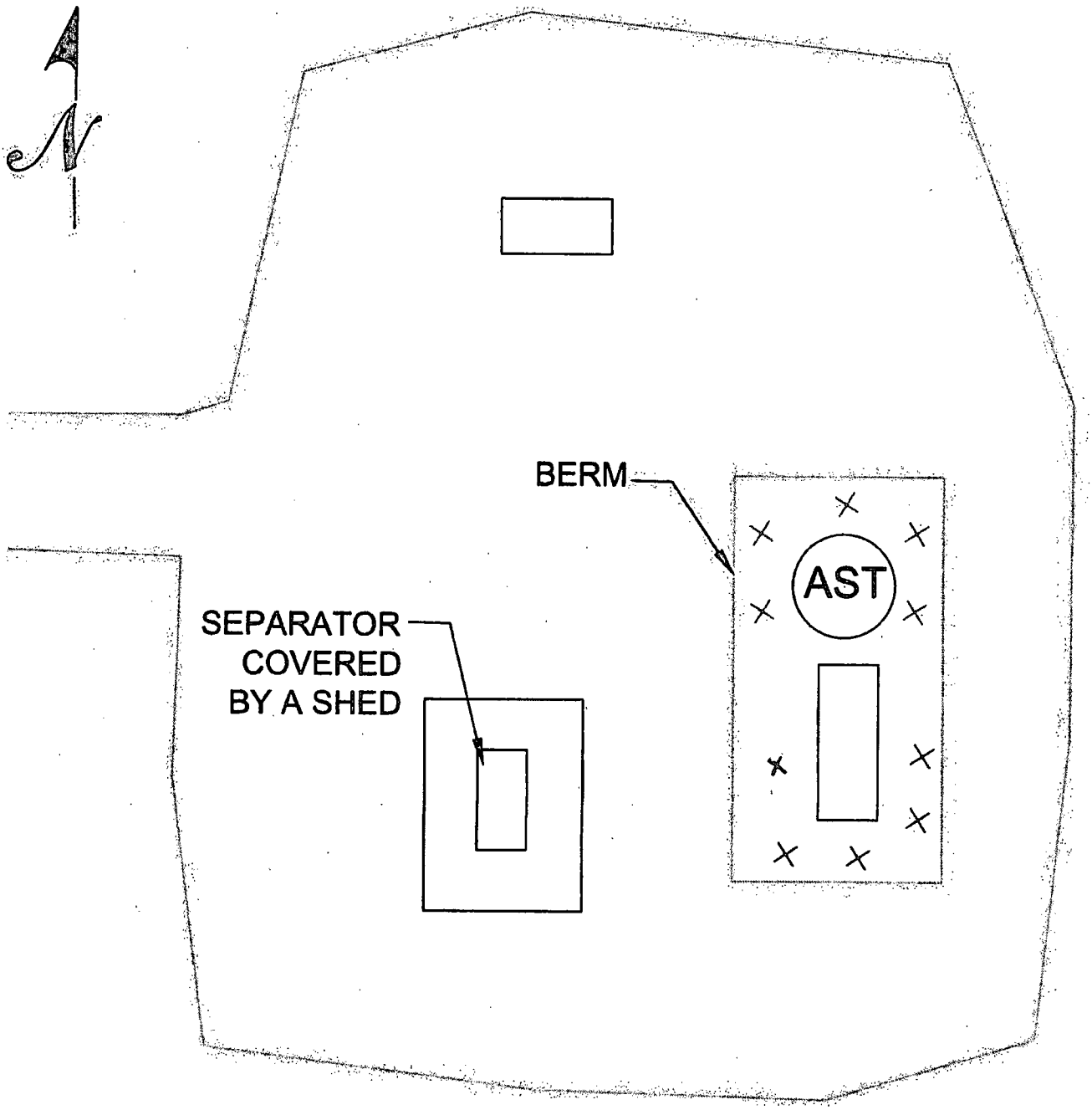
Greg Crabtree, PE
Environmental Manager
gcrabtree@envirotech-inc.com

FIGURES



Source: Aztec, New Mexico 7.5 Minute U.S.G.S. Topographic Quadrangle Maps

Conoco Phillips San Juan 32 Federal 22 #1A San Juan County, New Mexico	ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401 PHONE (505) 632-0615	Vicinity Map Figure 1	
Project# 96052-2388 | Date Drawn: 10/3/13		Drawn By: Jennifer Allison	Project Manager: Greg Crabtree



LEGEND

- NORTH COMPOSITE
- SOUTH COMPOSITE

Site Map

Conoco Phillips
San Juan 32 Federal 22 #1A Well Site
Section 22, Township 32N, Range 9W

SCALE: NTS	FIGURE NO. 2	REV
PROJECT NO96052-2388		

REVISIONS

NO.	DATE	BY	DESCRIPTION

MAP DRWN	JA		DATE	10/3/2013	

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

APPENDIX A

Field Notes

Client: Conoco Phillips

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

Project No: 96052-2388
COC No

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1

LOCATION: NAME: San Juan 32 Fed 22 WELL #: 1A
QUAD/UNIT: I SEC: 22 TWP: 32N RNG: 9W PM: CNTY: SJ ST: NM
QTR/FOOTAGE: CONTRACTOR:

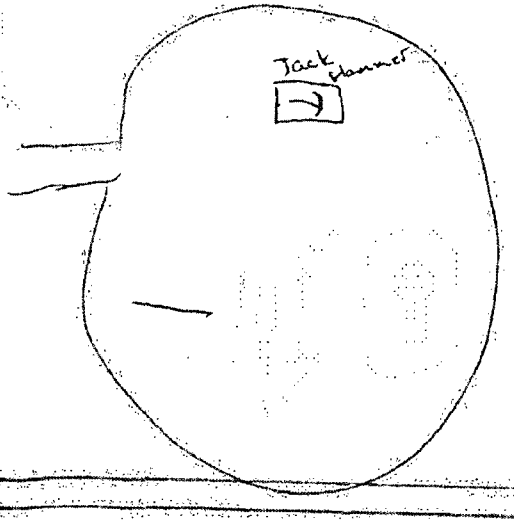
DATE STARTED: 9-13-13
DATE FINISHED: 9-13-13
ENVIRONMENTAL SPECIALIST: Isaac G

EXCAVATION APPROX: FT. X FT. X FT. DEEP CUBIC YARDAGE:
DISPOSAL FACILITY: REMEDIATION METHOD:
LAND USE: LEASE: LAND OWNER:
CAUSE OF RELEASE: MATERIAL RELEASED: Produced Water
SPILL LOCATED APPROXIMATELY: FT. FROM
DEPTH TO GROUNDWATER: +100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM
SOIL AND EXCAVATION DESCRIPTION:

SC - Cl⁻ 1141 ppm (3.2)
NC - Cl⁻ 1399 ppm (3.6)

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
ST.D 200	3:40	—	—	—	—	—	198	
NC	3:48	—	—	5	20	4	12	48
SC	3:52	—	—	5	20	4	14	56

SPILL PERIMETER



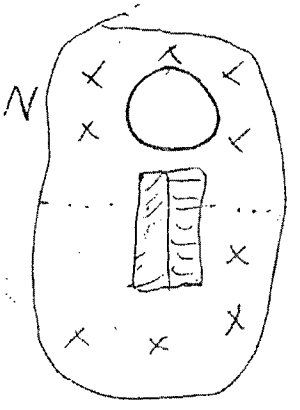
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

SPILL PROFILE



X - marks location of composite collected

TRAVEL NOTES: CALLED OUT: ON SITE:

APPENDIX B

Analytical Results

envirotech

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-2388
Sample No.:	1	Date Reported:	10/10/2013
Sample ID:	North Compsite	Date Sampled:	9/13/2013
Sample Matrix:	Soil	Date Analyzed:	9/13/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**48**	**5.0**

ND = Parameter not detected at the stated detection limit.

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

Comments: **San Juan 32 Federal 22 #1A**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Isaac Garcia
Printed

Review

Greg Crabtree, P.E.
Printed

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

envirotech

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-2388
Sample No.:	2	Date Reported:	10/10/2013
Sample ID:	South Composite	Date Sampled:	9/13/2013
Sample Matrix:	Soil	Date Analyzed:	9/13/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**56**	**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: **San Juan 32 Federal 22 #1A**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Isaac Garcia
Printed

Review

Greg Crabtree, P.E.
Printed

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 13-Sep-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	204
	500	
	1000	

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

Analyst

10/10/2013
Date

Isaac Garcia
Print Name

Review

10/10/2013
Date

Greg Crabtree, P.E.
Print Name

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

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Analytical Laboratory

Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 16090

Samples Received: 9/16/2013 7:10:00AM

Job Number: 96052-2388

Work Order: P309070

Project Name/Location: S.J. 32 Fed. 22 #1A

Entire Report Reviewed By: _____ Date: 9/20/13

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.

envirotech
Analytical Laboratory

ConocoPhillips	Project Name:	S.J. 32 Fed 22 #1A	
PO Box 2200	Project Number:	96052-2388	Reported:
Bartlesville OK, 74005	Project Manager:	Isaac Garcia	20-Sep-13 17:08

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Standing Water N	P309070-01A	Aqueous	09/13/13	09/16/13	Poly 250mL
Standing Water S	P309070-02A	Aqueous	09/13/13	09/16/13	Poly 250mL
SC	P309070-03A	Soil	09/13/13	09/16/13	Glass Jar, 4 oz.
NC	P309070-04A	Soil	09/13/13	09/16/13	Glass Jar, 4 oz.

ConocoPhillips	Project Name:	S.J. 32 Fed. 22 #1A	
PO Box 2200	Project Number:	96052-2388	**Reported:**
Bartlesville OK, 74005	Project Manager:	Isaac Garcia	20-Sep-13 17:08

Standing Water N

P309070-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cation/Anion Analysis									
Chloride	**510**	1.00	mg/L	1	1338025	09/19/13	09/19/13	EPA 300.0	

envirotech
Analytical Laboratory

ConocoPhillips	Project Name:	S.J. 32 Fed. 22 #1A	
PO Box 2200	Project Number:	96052-2388	Reported:
Bartlesville OK, 74005	Project Manager:	Isaac Garcia	20-Sep-13 17:08

Standing Water S

P309070-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cation/Anion Analysis									
Chloride	325	1.00	mg/L	1	1338025	09/19/13	09/19/13	EPA 300.0	

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

envirotech
Analytical Laboratory

ConocoPhillips	Project Name:	S.J. 32 Fed. 22 #1A	
PO Box 2200	Project Number:	96052-2388	Reported:
Bartlesville OK, 74005	Project Manager:	Isaac Garcia	20-Sep-13 17:08

SC

P309070-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cation/Anion Analysis									
Chloride	277	9.99	mg/kg	1	1338024	09/19/13	09/19/13	EPA 300.0	

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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

ConocoPhillips	Project Name:	S.J. 32 Fed. 22 #1A	
PO Box 2200	Project Number:	96052-2388	**Reported:**
Bartlesville OK, 74005	Project Manager:	Isaac Garcia	20-Sep-13 17:08

NC

P309070-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cation/Anion Analysis									
Chloride	**273**	9.86	mg/kg	1	1338024	09/19/13	09/19/13	EPA 300.0	

ConocoPhillips	Project Name:	S.J. 32 Fed. 22 #1A	
PO Box 2200	Project Number:	96052-2388	**Reported:**
Bartlesville OK, 74005	Project Manager:	Isaac Garcia	20-Sep-13 17:08

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 1338024 - Anion Extraction EPA 300.0										
Blank (1338024-BLK1)				Prepared & Analyzed: 19-Sep-13						
Chloride	ND	9.98	mg/kg							
LCS (1338024-BS1)				Prepared & Analyzed: 19-Sep-13						
Chloride	510	9.91	mg/kg	496		103	90-110			
Matrix Spike (1338024-MS1)		Source: P309064-01		Prepared & Analyzed: 19-Sep-13						
Chloride	1190	9.89	mg/kg	495	687	103	80-120			
Matrix Spike Dup (1338024-MSD1)		Source: P309064-01		Prepared & Analyzed: 19-Sep-13						
Chloride	1300	9.98	mg/kg	499	687	122	80-120	8.33	20	SPK1

ConocoPhillips	Project Name:	S.J. 32 Fed. 22 #1A	
PO Box 2200	Project Number:	96052-2388	Reported:
Bartlesville OK, 74005	Project Manager:	Isaac Garcia	20-Sep-13 17:08

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 1338025 - Anion Extraction EPA 300.0										
Blank (1338025-BLK1)				Prepared & Analyzed: 19-Sep-13						
Chloride	ND	1.00	mg/L							
LCS (1338025-BS1)				Prepared & Analyzed: 19-Sep-13						
Chloride	50.6	1.00	mg/L	50.0		101	90-110			
Matrix Spike (1338025-MS1)	Source: P309070-01			Prepared & Analyzed: 19-Sep-13						
Chloride	565	1.11	mg/L	55.6	510	99.4	80-120			
Matrix Spike Dup (1338025-MSD1)	Source: P309070-01			Prepared & Analyzed: 19-Sep-13						
Chloride	566	1.11	mg/L	55.6	510	99.7	80-120	0.0299	20	

ConocoPhillips	Project Name:	S.J. 32 Fed. 22 #1A	
PO Box 2200	Project Number:	96052-2388	Reported:
Bartlesville OK, 74005	Project Manager:	Isaac Garcia	20-Sep-13 17:08

Notes and Definitions

SPK1	The spike recovery for this QC sample is outside of 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

CHAIN OF CUSTODY RECORD

16090

Client:	Project Name / Location:
Conoco Phillips	SJ, 32 Fed. 22 # 1A
Email results to:	**Sampler Name:**
Isaac / Felipe	Isaac G.
Client Phone No.:	**Client No.:**
	96052-2388

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative HNO_3	Preservative HCl	Preservative Ice	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Standing Water N	9/13	2:43	P309070-01	1-250ml			X										X				X	X
Standing water S	9/13	2:43	P309070-02	1-250 ml			X										X				X	X
SC	9/13	3:25	P309070-03	1-4oz			X										X				X	X
NC	9/13	3:18	P309070-04	1-4oz			X										X				X	X

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/13	18:20		9/16/13	7:10
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix: Soil ☒ Solid ☐ Sludge ☐ Aqueous ☒ Other ☐ _____

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

envirotech
Analytical Laboratory

5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com