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 **Burlington Resources Oil & Gas Company**	Contact **Crystal Tafoya**
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 326-9837
Facility Name: **San Juan 30-6 Unit 487**	Facility Type: **Gas Well**

Surface Owner **BLM**	Mineral Owner **BLM (SF-078741)**	API No.**30-039-25023**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	**23**	**30N**	**6W**	**810**	**South**	**1695**	**West**	**Rio Arriba**

Latitude 36.79287 Longitude 107.43495

NATURE OF RELEASE

Type of Release **Produced Water**	Volume of Release **23 bbls**	Volume Recovered **20 bbls**
Source of Release **Wellhead**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **4/8/2013 at 11:00am**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

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

RCVD APR 19'13
OIL CONS. DIV.
DIST. 3

Describe Cause of Problem and Remedial Action Taken.*
Discovered water releasing from the stuffing box on the wellhead. Found a valve on the pump line going to the water tank had been closed by unknown person causing 23bbls of produced water to be released from the packing. The well was immediately shut-in and a water truck called to location. 20bbls of produced water was recovered.

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 L. Tafoya	OIL CONSERVATION DIVISION Approved by Environmental Specialist: Jonathan D. Kelly	
Printed Name: **Crystal Tafoya**		
Title: **Field Environmental Specialist**	Approval Date: 9/24/2013	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval:	Attached ☐
Date: 4/19/2013 Phone: (505) 326-9837		

* Attach Additional Sheets If Necessary

nJK1326750421

envirotech

April 18, 2013 Project Number 92115-2424

Ms. Crystal Tafoya
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401 Phone: (505) 215-4361

RE: SPILL ASSESSMENT DOCUMENTATION FOR THE SAN JUAN 30-6 #487 WELL SITE, RIO ARRIBA COUNTY, NEW MEXICO

Dear Ms. Tafoya,

Enclosed please find the field notes and analytical results for spill assessment activities performed at the San Juan 30-6 #487 well site located in Section 23, Township 30 North, Range 6 West, Rio Arriba County, New Mexico; see enclosed ***Vicinity Map***. Upon Envirotech personnel's arrival on April 12, 2013, a brief site assessment was conducted. Because depth to groundwater was greater than 100 feet, nearest surface water was between 200 and 1000 feet, and the well site was not located within a well head protection area, the regulatory standards for the site were determined to be 1000 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.

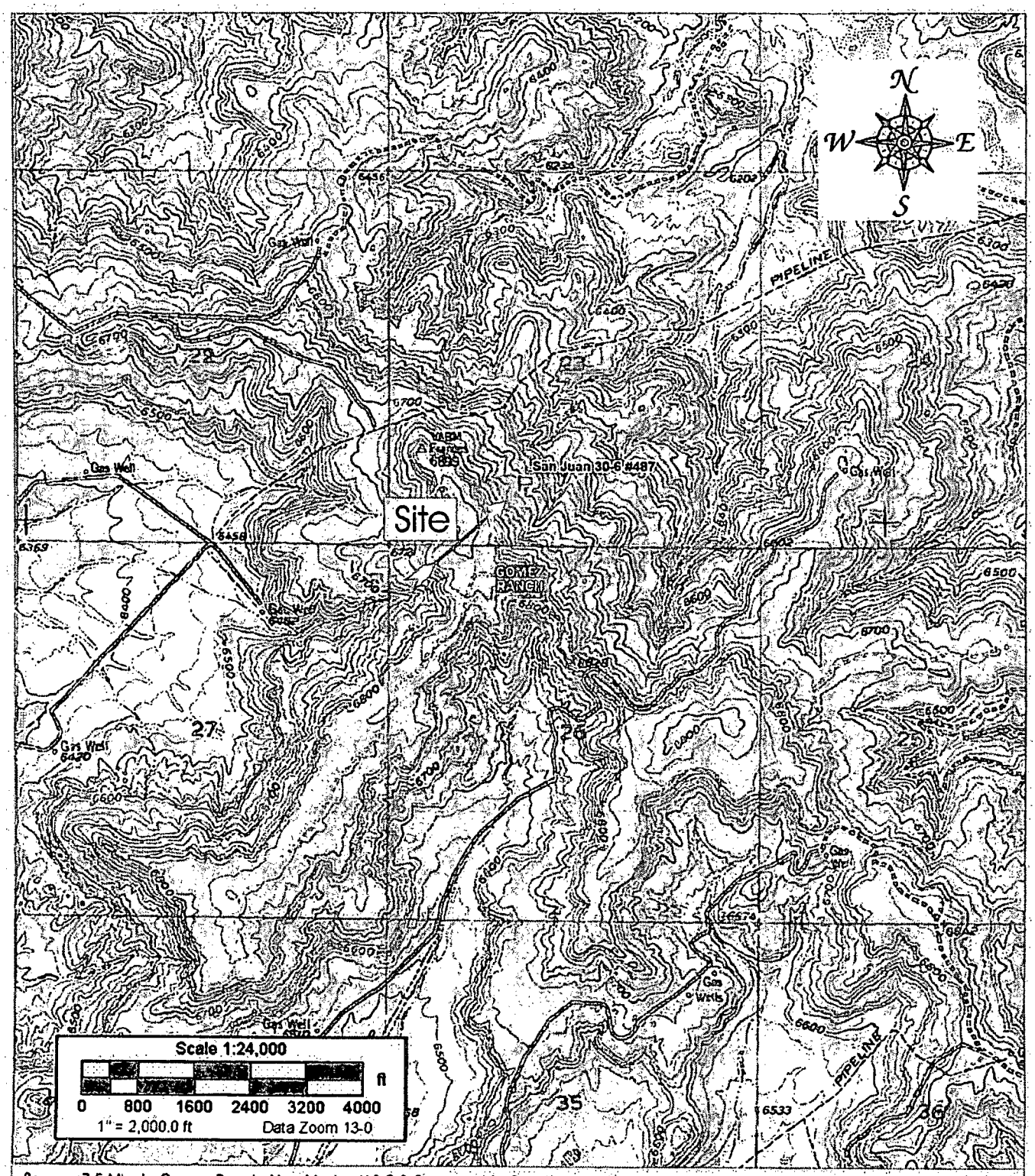
At the above referenced well site, the wellhead stuffing box leaked, causing approximately 23 barrels of produced water to be released into the surrounding soil. The impacted area was observed to extend a radius of approximately 10 feet in all directions from the wellhead stuffing box. One five (5)-point surface composite sample was collected from the 10 foot radius area around the wellhead stuffing box; see enclosed ***Field Notes*** for sample location. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID); see enclosed ***Analytical Results***. The sample returned results below the regulatory standard for TPH and organic vapors. Additionally, the surface composite sample was placed into a four (4)-ounce glass jar, capped head space free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015 and for benzene and total BTEX using USEPA Method 8021. The sample returned results below regulatory standards for all constituents analyzed; see enclosed ***Analytical Results***. Therefore, Envirotech, Inc. recommends no further action in regards to this incident.
We appreciate the opportunity to be of service. If you have questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.

Rene Garcia Reyes
Senior Environmental Field Technician
rgarcia@envirotech-inc.com

Enclosure(s): Vicinity Map
Analytical Results
Field Notes

Cc: Client File 92115



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

ConocoPhillips San Juan 30-6 #487 (hBr) Section 23, Township 30N, Range 6W Rio Arriba County, New Mexico	envirotech ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615	Vicinity Map Figure #1
PROJECT Number:92115-2424 | Date Drawn: 4/12/13		DRAWN BY: Tiffany McIntosh | PROJECT MANAGER: Greg Crabtree

Cell (505) 215-4361

Client: COPC

Project No: 92115-2424

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

COC No:
API No: 30039250 23
LAT:
LONG:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1
DATE STARTED: 4/12/13
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: BLM

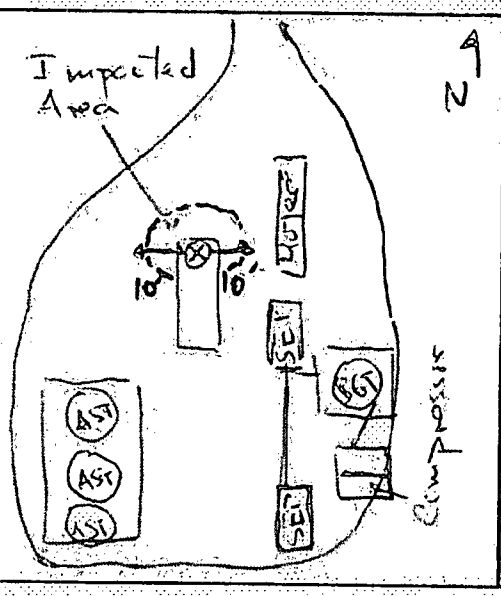
LOCATION: NAME: San Juan 30-6 WELL #: 48?
QUAD/UNIT: N SEC: 23 TWP: 30N RNG: 6W PM: CNTY: RIO ARRIBA ST: NM
QTR/FOOTAGE: 810'S & 1695'W CONTRACTOR: N/A

EXCAVATION APPROX: X FT. X X FT. X FT. DEEP CUBIC YARDAGE: X
DISPOSAL FACILITY: X REMEDIATION METHOD: X
LAND USE: Game LEASE: SF-078274 NM-78420 LAND OWNER: Fed
CAUSE OF RELEASE: MATERIAL RELEASED: Produced Water

SPILL LOCATED APPROXIMATELY: FT. FROM
DEPTH TO GROUNDWATER: >200' NEAREST WATER SOURCE: > 1000' NEAREST SURFACE WATER: 654'
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM
SOIL AND EXCAVATION DESCRIPTION: OVM : 100 PPM

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
		200STD					1.96	
Surface Composite	10:00	1		5	20	x4	49	160

SPILL PERIMETER



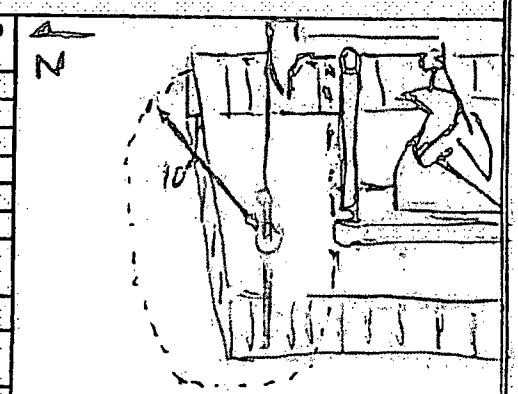
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	ND

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

SPILL PROFILE



TRAVEL NOTES: CALLED OUT: ONSITE: 9800

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2424
Sample No.:	1	Date Reported:	4/16/2013
Sample ID:	Surface Composite	Date Sampled:	4/12/2013
Sample Matrix:	Soil	Date Analyzed:	4/12/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**160**	**5.0**

ND = Parameter not detected at the stated detection limit.

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

Comments: **San Juan 30-6 #487 (hBr)**

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

Analyst

Rene Garcia-Reyes
Printed

Review

Toni McKnight, EIT
Printed

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

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 12-Apr-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	186
	500	
	1000	

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

Analyst

4/16/2013
Date

Rene Garcia-Reyes
Print Name

Review

4/16/2013
Date

Toni McKnight, EIT
Print Name

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Analytical Laboratory

Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15391

Samples Received: 4/12/2013 12:00:00PM

Job Number: 92115-2424

Work Order: P304036

Project Name/Location: SJ 30-6 #487/ Spill Assessment

Entire Report Reviewed By: _____ Date: 4/15/13

Tim Cain, Laboratory Manager

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laboratory@envirotech-inc.com

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Analytical Laboratory

ConocoPhillips	Project Name:	SJ 30-6 #487/ Spill Assessment	
PO Box 2200	Project Number:	92115-2424	Reported:
Bartlesville OK, 74005	Project Manager:	Rene Garcia Reyes	15-Apr-13 14:35

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1	P304036-01A	Soil	04/12/13	04/12/13	Glass Jar, 4 oz.

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laboratory@envirotech-inc.com

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Analytical Laboratory

ConocoPhillips	Project Name:	SJ 30-6 #487/ Spill Assessment	
PO Box 2200	Project Number:	92115-2424	Reported:
Bartlesville OK, 74005	Project Manager:	Rene Garcia Reyes	15-Apr-13 14:35

1

P304036-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	49.6	ug/L	1	1315037	12-Apr-13	15-Apr-13	EPA 8021B	
Toluene	ND	49.6	ug/L	1	1315037	12-Apr-13	15-Apr-13	EPA 8021B	
Ethylbenzene	ND	49.6	ug/L	1	1315037	12-Apr-13	15-Apr-13	EPA 8021B	
p,m-Xylene	ND	49.6	ug/L	1	1315037	12-Apr-13	15-Apr-13	EPA 8021B	
o-Xylene	ND	49.6	ug/L	1	1315037	12-Apr-13	15-Apr-13	EPA 8021B	
Total BTEX	ND	49.6	ug/L	1	1315037	12-Apr-13	15-Apr-13	EPA 8021B	
Surrogate: Bromochlorobenzene		*106 %*	*80-120*		*1315037*	*12-Apr-13*	*15-Apr-13*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*1315037*	*12-Apr-13*	*15-Apr-13*	*EPA 8021B*	
Surrogate: Fluorobenzene		*104 %*	*80-120*		*1315037*	*12-Apr-13*	*15-Apr-13*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.94	mg/kg	1	1315035	12-Apr-13	15-Apr-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	4.94	mg/kg	1	1315035	12-Apr-13	15-Apr-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.94	mg/kg	1	1315035	12-Apr-13	15-Apr-13	EPA 8015D	

ConocoPhillips	Project Name:	SJ 30-6 #487/ Spill Assessment	
PO Box 2200	Project Number:	92115-2424	Reported:
Bartlesville OK, 74005	Project Manager:	Rene Garcia Reyes	15-Apr-13 14:35

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 1315037 - Purge and Trap EPA 5030A										
Blank (1315037-BLK1)				Prepared: 12-Apr-13 Analyzed: 15-Apr-13						
Benzene	ND	49.7	ug/L							
Toluene	ND	49.7	"							
Ethylbenzene	ND	49.7	"							
p,m-Xylene	ND	49.7	"							
o-Xylene	ND	49.7	"							
Total BTEX	ND	49.7	"							
Surrogate: Bromochlorobenzene	*47.1*		"	*50.0*		*94.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*50.9*		"	*50.0*		*102*	*80-120*			
Surrogate: Fluorobenzene	*50.6*		"	*50.0*		*101*	*80-120*			
Duplicate (1315037-DUP1)	Source: P304036-01			Prepared: 12-Apr-13 Analyzed: 15-Apr-13						
Benzene	ND	49.8	ug/L		ND				30	
Toluene	ND	49.8	"		ND				30	
Ethylbenzene	ND	49.8	"		ND				30	
p,m-Xylene	ND	49.8	"		ND				30	
o-Xylene	ND	49.8	"		ND				30	
Surrogate: Bromochlorobenzene	*53.7*		"	*50.0*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*52.2*		"	*50.0*		*104*	*80-120*			
Surrogate: Fluorobenzene	*51.7*		"	*50.0*		*103*	*80-120*			
Matrix Spike (1315037-MS1)	Source: P304036-01			Prepared: 12-Apr-13 Analyzed: 15-Apr-13						
Benzene	47.2	1.00	ug/L	50.0	ND	94.5	39-150			
Toluene	47.2	1.00	"	50.0	ND	94.5	46-148			
Ethylbenzene	47.1	1.00	"	50.0	ND	94.2	32-160			
p,m-Xylene	93.9	1.00	"	99.9	ND	94.0	46-148			
o-Xylene	47.2	1.00	"	50.0	ND	94.5	46-148			
Surrogate: Bromochlorobenzene	*52.6*		"	*50.0*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*51.0*		"	*50.0*		*102*	*80-120*			
Surrogate: Fluorobenzene	*50.8*		"	*50.0*		*102*	*80-120*			

ConocoPhillips	Project Name:	SJ 30-6 #487/ Spill Assessment	
PO Box 2200	Project Number:	92115-2424	Reported:
Bartlesville OK, 74005	Project Manager:	Rene Garcia Reyes	15-Apr-13 14:35

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 1315035 - GRO/DRO Extraction EPA 3550C										
Blank (1315035-BLK1)				Prepared: 12-Apr-13 Analyzed: 15-Apr-13						
Gasoline Range Organics (C6-C10)	1370	4.73	mg/kg							
Diesel Range Organics (C10-C28)	832	4.73	"							
GRO and DRO Combined Fractions	2200	4.73	"							
Duplicate (1315035-DUP1)	Source: P304036-01			Prepared: 12-Apr-13 Analyzed: 15-Apr-13						
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg		ND				30	
Diesel Range Organics (C10-C28)	ND	5.00	"		ND				30	
Matrix Spike (1315035-MS1)	Source: P304036-01			Prepared: 12-Apr-13 Analyzed: 15-Apr-13						
Gasoline Range Organics (C6-C10)	252		mg/L	250	0.70	101	75-125			
Diesel Range Organics (C10-C28)	247		"	250	0.61	98.6	75-125			

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ConocoPhillips	Project Name:	SJ 30-6 #487/ Spill Assessment	
PO Box 2200	Project Number:	92115-2424	Reported:
Bartlesville OK, 74005	Project Manager:	Rene Garcia Reyes	15-Apr-13 14:35

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

CHAIN OF CUSTODY RECORD

15391

Client:	Project Name / Location:	ANALYSIS / PARAMETERS
COPC (ConocoPhillips)	SJ 30-6 # 487 / Spill Assessment	
Email results to: rgarcia@envirotech-inc.com	Sampler Name: René García Reyes	
Client Phone No.:	Client No.: 92115-2424	

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative: $HgCl_2$	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
1	4/12/13	10:00	P304036-01	402			X	X	X												X	X

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/12/13	12:00		4/12/13	1200
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix

Soil ☑ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐ _____

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

RUSH

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Analytical Laboratory

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