

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: San Juan 27-5 Unit 117M	Facility Type: Gas Well

Surface Owner BLM	Mineral Owner BLM (SF-079403)	API No. 3003923703
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LOCATION OF RELEASE

Unit Letter C	Section 22	Township 27N	Range 22W	Feet from the 1175	North/South Line North	Feet from the 1570	East/West Line West	County Rio Arriba
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Latitude **36.56259** Longitude **-107.34861**

NATURE OF RELEASE

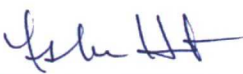

Type of Release Natural Gas	Volume of Release 3,379 Mcf	Volume Recovered 25 yds
Source of Release	Date and Hour of Occurrence 11-3-2016	Date and Hour of Discovery 01-16-17
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	OIL CONS. DIV DIST. 3
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	FEB 13 2017

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

Describe Cause of Problem and Remedial Action Taken.*
Underground flowline between separator and wellhead discovered leaking. Well shut in. Unknown volume at this time. Line will be exposed and replaced. February 3rd line was exposed and orifice measured & volume calculated at approximately 3,379 Mcf slow leak over an approximate 3 month period (drop in pressure detected in system November 3, 2016). Rank 10

Describe Area Affected and Cleanup Action Taken.*
Soil will be assessed for contamination when line excavated. Any contaminated soil will be removed. Trench was widened and deepened near release source and approximately 25 cubic yards of suspected contaminated soil was removed. Five-point composite sample was collected and sent to lab. 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: Lisa Hunter		Approved by Environmental Specialist: 	
Title: Field Environmental Specialist		Approval Date: 3/8/2017	Expiration Date:
E-mail Address: Lisa.Hunter@cop.com		Conditions of Approval: NVF1702438735	Attached <input type="checkbox"/>
Date: February 10, 2017 Phone: (505) 258-1607			

* Attach Additional Sheets If Necessary



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

February 08, 2017

OIL CONS. DIV DIST. 3

Lisa Hunter

FEB 13 2017

Conoco Phillips

PO Box 4289

Farmington, NM 87499

TEL: (505) 326-9782

FAX

RE: San Juan 27-5 Unit 117M

OrderNo.: 1702213

Dear Lisa Hunter:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/4/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1702213

Date Reported: 2/8/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conoco Phillips

Client Sample ID: San Juan 27-5 117M

Project: San Juan 27-5 Unit 117M

Collection Date: 2/2/2017 1:00:00 PM

Lab ID: 1702213-001

Matrix: SOIL

Received Date: 2/4/2017 8:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/7/2017 2:21:23 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/7/2017 2:21:23 PM
Surr: DNOP	103	70-130		%Rec	1	2/7/2017 2:21:23 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	2/7/2017 1:06:17 PM
Toluene	0.20	0.048		mg/Kg	1	2/7/2017 1:06:17 PM
Ethylbenzene	ND	0.048		mg/Kg	1	2/7/2017 1:06:17 PM
Xylenes, Total	ND	0.097		mg/Kg	1	2/7/2017 1:06:17 PM
Surr: 1,2-Dichloroethane-d4	96.6	70-130		%Rec	1	2/7/2017 1:06:17 PM
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	2/7/2017 1:06:17 PM
Surr: Dibromofluoromethane	91.3	70-130		%Rec	1	2/7/2017 1:06:17 PM
Surr: Toluene-d8	105	70-130		%Rec	1	2/7/2017 1:06:17 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	14	4.8		mg/Kg	1	2/7/2017 1:06:17 PM
Surr: BFB	86.0	70-130		%Rec	1	2/7/2017 1:06:17 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1702213

08-Feb-17

Client: Conoco Phillips

Project: San Juan 27-5 Unit 117M

Sample ID	LCS-30063		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 30063		RunNo: 40551					
Prep Date:	2/6/2017		Analysis Date: 2/7/2017		SeqNo: 1271018		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.2	63.8	116			
Surr: DNOP	4.8		5.000		95.1	70	130			

Sample ID	MB-30063	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID: 30063			RunNo: 40551					
Prep Date:	2/6/2017	Analysis Date: 2/7/2017			SeqNo: 1271019		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
R RPD outside accepted recovery limits	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1702213

08-Feb-17

Client: Conoco Phillips

Project: San Juan 27-5 Unit 117M

Sample ID	mb-30066		SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List					
Client ID:	PBS		Batch ID: 30066		RunNo: 40552					
Prep Date:	2/6/2017		Analysis Date: 2/7/2017		SeqNo: 1271268		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.4	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		89.3	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		91.9	70	130			
Surr: Toluene-d8	0.51		0.5000		103	70	130			

Sample ID	Ics-30066		SampType:	LCS		TestCode:	EPA Method 8260B: Volatiles Short List				
Client ID:	LCSS		Batch ID:	30066		RunNo:	40552				
Prep Date:	2/6/2017		Analysis Date:	2/7/2017		SeqNo:	1271269		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.86	0.025	1.000	0	85.6	70	130				
Toluene	0.99	0.050	1.000	0	99.3	70	130				
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.5	70	130				
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.1	70	130				
Surr: Dibromofluoromethane	0.46		0.5000		91.8	70	130				
Surr: Toluene-d8	0.51		0.5000		103	70	130				

Sample ID	mb-30051		SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List					
Client ID:	PBS		Batch ID: 30051		RunNo: 40552					
Prep Date:	2/3/2017		Analysis Date: 2/7/2017		SeqNo: 1271281		Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.6	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		89.6	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		91.2	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			

Sample ID	Ics-30051		SampType: LCS		TestCode: EPA Method 8260B: Volatiles Short List					
Client ID:	LCSS		Batch ID: 30051		RunNo: 40552					
Prep Date:	2/3/2017		Analysis Date: 2/7/2017		SeqNo: 1271282		Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.2	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		91.3	70	130			
Surr: Dibromofluoromethane	0.45		0.5000		89.2	70	130			
Surr: Toluene-d8	0.52		0.5000		103	70	130			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1702213

08-Feb-17

Client: Conoco Phillips

Project: San Juan 27-5 Unit 117M

Sample ID	mb-30066	SampType:	MBLK	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	PBS	Batch ID:	30066	RunNo:	40552					
Prep Date:	2/6/2017	Analysis Date:	2/7/2017	SeqNo:	1271311	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	430		500.0		85.1	70	130			

Sample ID	lcs-30066	SampType:	LCS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	LCSS	Batch ID:	30066	RunNo:	40552					
Prep Date:	2/6/2017	Analysis Date:	2/7/2017	SeqNo:	1271312	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	112	70	130			
Surr: BFB	440		500.0		87.9	70	130			

Sample ID	1702213-001AMS	SampType:	MS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	San Juan 27-5 117M	Batch ID:	30066	RunNo:	40552					
Prep Date:	2/6/2017	Analysis Date:	2/7/2017	SeqNo:	1271315	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	40	4.9	24.68	13.62	108	63.2	128			
Surr: BFB	420		493.6		85.2	70	130			

Sample ID	1702213-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	San Juan 27-5 117M	Batch ID:	30066	RunNo:	40552					
Prep Date:	2/6/2017	Analysis Date:	2/7/2017	SeqNo:	1271316	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	39	5.0	24.95	13.62	104	63.2	128	2.17	20	
Surr: BFB	440		499.0		88.3	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Conoco Phillips Farmingt

Work Order Number: 1702213

RcptNo: 1

Received by/date: LM 02/04/17

Logged By: Andy Jansson 2/4/2017 8:30:00 AM

Completed By: Andy Jansson 02/06/17

Reviewed By: WAG 02/06/17

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Not Present			

Client: ConocoPhillips

Mailing Address: PO Box 4289
Farmington, NM 87499

Phone #: 505-258-1607

email or Fax#: Lisa.Hunter@cp.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

☐ Standard ☒ Rush 3-day

San Juan 27-5 Unit 112M

Project Manager:

Lisa Hunter

Sampler: Steve Baird

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.3

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1702213
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ψ_{12}/i	Gold	-001
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[illegible]

Received by:	Date	Time
Al L. L.	2/21	12

Received by: [Signature] Date 13/17 Time 1120

12/14/17/18/19

contracted to other accredited laboratories. This serves as notice of the

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com


4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

	X	BTEX + MTBE + TMB's (8021)
		BTEX + MTBE + TPH (Gas, only)
	X	TPH 8015B (GRO / DRO / MRO)
		TPH (Method 418.1)
		EDB (Method 504.1)
		PAH's (8310 or 8270 SIMS)
		RCRA 8 Metals
		Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)
		8081 Pesticides / 8082 PCB's
		8260B (VOA)
		8270 (Semi-VOA)
		Air Bubbles (Y or N)

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/17	1120	R. Spaymon	Phil West	2/3/17	1120

Date:	Time:	Relinquished by:	Received by:	Date	Time
2/3/17	1625	Christine Watters		02/04/17	0833

Remarks:
W/O 21941796

Approved BIAKLAN