

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

JUN 21 2017

Form C-141  
Revised August 8, 2011

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

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 <b>Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company</b>	Contact <b>Lisa Hunter</b>
Address <b>3401 East 30<sup>th</sup> St, Farmington, NM</b>	Telephone No. <b>(505) 258-1607</b>
Facility Name: <b>San Juan 28-5 Unit 102</b>	Facility Type: <b>Gas Well</b>

Surface Owner <b>BLM</b>	Mineral Owner <b>BLM (SF-079250)</b>	API No. <b>3003921865</b>
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## LOCATION OF RELEASE

Unit Letter <b>P</b>	Section <b>11</b>	Township <b>28N</b>	Range <b>05W</b>	Feet from the <b>1180</b>	North/South Line <b>South</b>	Feet from the <b>470</b>	East/West Line <b>East</b>	County <b>Rio Arriba</b>
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Latitude 36.673004 Longitude -107.322211

## NATURE OF RELEASE

Type of Release <b>Produced Water</b>	Volume of Release <b>15bbl</b>	0
Source of Release <b>Production Tank</b>	Date and Hour of Occurrence <b>01/13/2017 @ 7:30 pm</b>	Date and Hour of Discovery <b>01/18/2017 @ 12:30 pm</b>
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? <b>N/A</b>	
By Whom? <b>N/A</b>	Date and Hour <b>N/A</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. <b>N/A</b>	

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

Describe Cause of Problem and Remedial Action Taken.\*

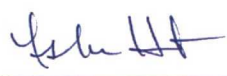
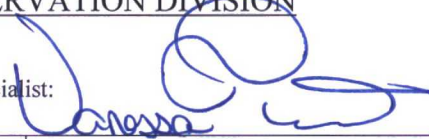
During a tank gauging, missing fluid was evident. Visual inspection revealed a **small corrosion hole on side of production tank causing 15bbls produced water to be released into the earthen berm. No standing fluid, nothing was recovered. Hole was plugged temporarily and remaining tank fluid was removed.**

Describe Area Affected and Cleanup Action Taken.\*

**ConocoPhillips will assess the soil to determine a path forward for clean-up if necessary. Site Rank: 0**

**On 05/24/17, COPC collected a 5-point composite sample at 6-8 inches below surface and submitted sample to Hall Laboratory. Lab results are below NMOCD Action Levels, no further remediation required. Analysis 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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Lisa Hunter</b>	Approved by Environmental Specialist: 	
Title: <b>Field Environmental Specialist</b>	Approval Date: <b>6/22/2017</b>	Expiration Date:
E-mail Address: <b>Lisa.Hunter@cop.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>June 16, 2017</b> Phone: <b>(505) 258-1607</b>		

\* Attach Additional Sheets If Necessary

NVF 1702338545



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

May 31, 2017

Lisa Hunter  
Conoco Phillips  
PO Box 4289  
Farmington, NM 87402  
TEL: (505) 320-0699  
FAX

RE: San Juan 28 5 102

OrderNo.: 1705D67

Dear Lisa Hunter:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/26/2017 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](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



## Analytical Report

Lab Order 1705D67

Date Reported: 5/31/2017

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conoco Phillips

Client Sample ID: San Juan 28-5 102

Project: San Juan 28 5 102

Collection Date: 5/24/2017 9:00:00 AM

Lab ID: 1705D67-001

Matrix: SOIL

Received Date: 5/26/2017 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	30		mg/Kg	20	5/30/2017 4:10:36 PM	32013
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/30/2017 8:01:58 PM	32000
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/30/2017 8:01:58 PM	32000
Surr: DNOP	90.8	70-130		%Rec	1	5/30/2017 8:01:58 PM	32000
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/30/2017 11:41:10 AM	31995
Surr: BFB	96.2	54-150		%Rec	1	5/30/2017 11:41:10 AM	31995
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Methyl tert-butyl ether (MTBE)	ND	0.093		mg/Kg	1	5/30/2017 11:41:10 AM	31995
Benzene	ND	0.023		mg/Kg	1	5/30/2017 11:41:10 AM	31995
Toluene	ND	0.047		mg/Kg	1	5/30/2017 11:41:10 AM	31995
Ethylbenzene	ND	0.047		mg/Kg	1	5/30/2017 11:41:10 AM	31995
Xylenes, Total	ND	0.093		mg/Kg	1	5/30/2017 11:41:10 AM	31995
Surr: 4-Bromofluorobenzene	117	66.6-132		%Rec	1	5/30/2017 11:41:10 AM	31995

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

<b>Qualifiers:</b>	*	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#: 1705D67

31-May-17

Client: Conoco Phillips

Project: San Juan 28 5 102

Sample ID	MB-32013		SampType: MBLK		TestCode: EPA Method 300.0: Anions					
Client ID:	PBS		Batch ID: 32013		RunNo: 43126					
Prep Date:	5/30/2017		Analysis Date: 5/30/2017		SeqNo: 1358362		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-32013		SampType: LCS		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 32013		RunNo: 43126					
Prep Date:	5/30/2017		Analysis Date: 5/30/2017		SeqNo: 1358363		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

## 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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705D67

31-May-17

Client: Conoco Phillips

Project: San Juan 28 5 102

Sample ID	LCS-32000		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 32000		RunNo: 43123					
Prep Date:	5/26/2017		Analysis Date: 5/30/2017		SeqNo: 1357843		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	82.2	73.2	114			
Surr: DNOP	3.8		5.000		76.2	70	130			

Sample ID	MB-32000	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID: 32000			RunNo: 43123					
Prep Date:	5/26/2017	Analysis Date: 5/30/2017			SeqNo: 1357844		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	8.3		10.00		83.0	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#: 1705D67

31-May-17

Client: Conoco Phillips  
Project: San Juan 28 5 102

Sample ID	LCS-31995		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 31995		RunNo: 43124					
Prep Date:	5/26/2017		Analysis Date: 5/30/2017		SeqNo: 1357367		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	76.4	125			
Surr: BFB	1000		1000		102	54	150			

Sample ID	MB-31995	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID: 31995			RunNo: 43124					
Prep Date:	5/26/2017	Analysis Date: 5/30/2017			SeqNo: 1357368		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	940		1000		93.9	54	150			

Sample ID	1705D67-001AMS		SampType: MS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	San Juan 28-5 102		Batch ID: 31995		RunNo: 43124					
Prep Date:	5/26/2017		Analysis Date: 5/30/2017		SeqNo: 1357819		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.7	23.58	0	88.4	77.8	128			
Surr: BFB	1000		943.4		109	54	150			

Sample ID	1705D67-001AMSD		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	San Juan 28-5 102		Batch ID: 31995		RunNo: 43124					
Prep Date:	5/26/2017		Analysis Date: 5/30/2017		SeqNo: 1357820		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.7	23.70	0	98.0	77.8	128	10.8	20	
Surr: BFB	980		947.9		103	54	150	0	0	

### 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#: 1705D67

31-May-17

Client: Conoco Phillips

Project: San Juan 28 5 102

Sample ID	LCS-31995		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 31995		RunNo: 43124					
Prep Date:	5/26/2017		Analysis Date: 5/30/2017		SeqNo: 1357378		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.98	0.10	1.000	0	98.3	66.5	120			
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	66.6	132			

Sample ID	MB-31995		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS		Batch ID: 31995		RunNo: 43124					
Prep Date:	5/26/2017		Analysis Date: 5/30/2017		SeqNo: 1357379		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		113	66.6	132			

## 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 Farm HW

Work Order Number: 1705D67

RcptNo: 1

Received By: Andy Jansson 5/26/2017 7:50:00 AM

Completed By: Ashley Gallegos 5/26/2017 9:47:20 AM

Reviewed By: ENM

05/26/17

*Signature*

### 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  $5.0^{\circ}\text{C}$ ? 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	1.0	Good	Yes			



Chain-of-Custody Record		Turn-Around Time:
Client: <del>San Juan 28-5</del> ConocoPhillips	<input type="checkbox"/> Standard	<input checked="" type="checkbox"/> Rush 3 day
Mailing Address: PO Box 4289 Farmington, NM 87499	Project Name: San Juan 28-5 #102	
Phone #: 505-258-1607	Project #: Production Tank	
email or Fax#: Lisa.Hunter@COP.COM	Project Manager: Lisa Hunter	
QA/QC Package: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)	Sampler: Clayton	
Accreditation <input type="checkbox"/> NELAP <input type="checkbox"/> Other _____	On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> EDD (Type) _____	Sample Temperature: 6.0°C	

**Project Manager:**

On Ice: ☒ Yes ☐ No

Sample Temperature: 100°C

Container  
Type and #Preservative  
Type

HEAL No.

170D(05)

- 001

1/4oz	Cold
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Cold

Date	Time	Matrix	Sample Request ID
------	------	--------	-------------------

5-24-17	Soil	San Juan 28-5 102
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1/4oz	Cold
-------	------

Cold

- 001

### Analysis Request

BTX + MTBE + <del>TPH</del> (8021)
BTX + MTBE + TPH (Gas only)
TPH 8015B (GRO / DRO / MRO)
TPH (Method 418.1)
EEDB (Method 504.1)
PAH's (8310 or 8270 SIMS)
RCRA 8 Metals
Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )
8081 Pesticides / 8082 PCB's
8260B (VOA)
8270 (Semi-VOA)
<i>Chlorides</i>
Air Bubbles (Y or N)

Remarks:

WO#: 2210 2832

Approver: MKSPENC

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.