

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  
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 <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 27-4 Unit 59M</b>	Facility Type: <b>Gas Well</b>

Surface Owner <b>USFS - Forest Service</b>	Mineral Owner <b>Federal - SF-080668</b>	API No. <b>3003925962</b>
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<b>I</b>	<b>04</b>	<b>27N</b>	<b>04W</b>	<b>1650'</b>	<b>FSL</b>	<b>1010'</b>	<b>FEL</b>	<b>Rio Arriba</b>

Latitude 36.59924 Longitude -107.25051

**NATURE OF RELEASE**

Type of Release <b>Produced Water</b>	Volume of Release <b>19 bbl</b>	Volume Recovered <b>19 bbl</b>
Source of Release <b>Pit tank - Corrosion</b>	Date and Hour of Occurrence <b>Between 3/19/17 9:05 p.m. to 3/20/17 10:35 a.m.</b>	Date and Hour of Discovery <b>3-20-17 at 7:05 a.m.</b>

Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?
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By Whom?	Date and Hour
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.

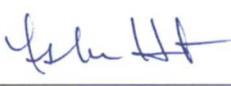
If a Watercourse was Impacted, Describe Fully.\*  
N/A

Describe Cause of Problem and Remedial Action Taken.\*  
**Water hauler arrived on location to pull pit tank and found hole in pit and water in cribbing. Pit tank leaked due to corrosion. Well was shut in and water pulled.**

Describe Area Affected and Cleanup Action Taken.\*  
**ConocoPhillips will assess the soil to determine a path forward for clean-up if necessary.**

**On 07/14/17, 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>8/10/2017</b>	Expiration Date:
E-mail Address: <b>Lisa.Hunter@cop.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>July 25, 2017</b> Phone: <b>(505) 258-1607</b>	<b>NVR 1708736231</b>	

\* 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](http://www.hallenvironmental.com)

July 20, 2017

Lisa Hunter  
Conoco Phillips  
PO Box 4289  
Farmington, NM 87499  
TEL: (505) 326-9782  
FAX

RE: San Juan 27-4 59M

OrderNo.: 1707762

Dear Lisa Hunter:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/15/2017 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', is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1707762

Date Reported: 7/20/2017

CLIENT: Conoco Phillips

Client Sample ID: San Juan 27-4 59M

Project: San Juan 27-4 59M

Collection Date: 7/14/2017 9:00:00 AM

Lab ID: 1707762-001

Matrix: SOIL

Received Date: 7/15/2017 11:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: MRA
Chloride	ND	30		mg/Kg	20	7/18/2017 3:53:35 PM	32854
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/18/2017 9:50:17 PM	32836
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/18/2017 9:50:17 PM	32836
Surr: DNOP	90.6	70-130		%Rec	1	7/18/2017 9:50:17 PM	32836
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/18/2017 8:26:06 PM	32828
Surr: BFB	97.6	54-150		%Rec	1	7/18/2017 8:26:06 PM	32828
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	7/18/2017 8:26:06 PM	32828
Benzene	ND	0.024		mg/Kg	1	7/18/2017 8:26:06 PM	32828
Toluene	ND	0.048		mg/Kg	1	7/18/2017 8:26:06 PM	32828
Ethylbenzene	ND	0.048		mg/Kg	1	7/18/2017 8:26:06 PM	32828
Xylenes, Total	ND	0.096		mg/Kg	1	7/18/2017 8:26:06 PM	32828
Surr: 4-Bromofluorobenzene	112	66.6-132		%Rec	1	7/18/2017 8:26:06 PM	32828

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
	PQL	Practical Quantitative Limit	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#: 1707762

20-Jul-17

**Client:** Conoco Phillips  
**Project:** San Juan 27-4 59M

Sample ID	MB-32854	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	32854	RunNo:	44295					
Prep Date:	7/18/2017	Analysis Date:	7/18/2017	SeqNo:	1400415	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-32854	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	32854	RunNo:	44295					
Prep Date:	7/18/2017	Analysis Date:	7/18/2017	SeqNo:	1400416	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.7	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
- PQL Practical Quantitative Limit
- 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#: 1707762

20-Jul-17

**Client:** Conoco Phillips  
**Project:** San Juan 27-4 59M

Sample ID	<b>LCS-32836</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>32836</b>	RunNo:	<b>44282</b>					
Prep Date:	<b>7/17/2017</b>	Analysis Date:	<b>7/18/2017</b>	SeqNo:	<b>1399678</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	107	73.2	114			
Surr: DNOP	4.4		5.000		88.8	70	130			

Sample ID	<b>MB-32836</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>32836</b>	RunNo:	<b>44282</b>					
Prep Date:	<b>7/17/2017</b>	Analysis Date:	<b>7/18/2017</b>	SeqNo:	<b>1399679</b>	Units:	<b>mg/Kg</b>			
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	8.4		10.00		84.4	70	130			

**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
- PQL Practical Quantitative Limit
- 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#: 1707762

20-Jul-17

**Client:** Conoco Phillips  
**Project:** San Juan 27-4 59M

Sample ID	MB-32828	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	32828	RunNo:	44294					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399599	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	960		1000		95.8	54	150			

Sample ID	LCS-32828	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	32828	RunNo:	44294					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399600	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	105	76.4	125			
Surr: BFB	1100		1000		105	54	150			

Sample ID	LCSD-32828	SampType:	LCSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS02	Batch ID:	32828	RunNo:	44294					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399601	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000							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
- PQL Practical Quantitative Limit
- 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#: 1707762

20-Jul-17

Client: Conoco Phillips  
Project: San Juan 27-4 59M

Sample ID	MB-32828	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	32828	RunNo:	44294					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399633	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		108	66.6	132			

Sample ID	LCS-32828	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	32828	RunNo:	44294					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399634	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.97	0.10	1.000	0	97.2	66.5	120			
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	0.99	0.050	1.000	0	98.7	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	66.6	132			

Sample ID	LCSD-32828	SampType:	LCSD	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS02	Batch ID:	32828	RunNo:	44294					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399635	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.0	0.10	1.000	0	100	66.5	120	2.93	20	
Benzene	1.0	0.025	1.000	0	103	80	120	3.01	20	
Toluene	1.0	0.050	1.000	0	102	80	120	2.92	20	
Ethylbenzene	1.0	0.050	1.000	0	103	80	120	2.89	20	
Xylenes, Total	3.1	0.10	3.000	0	104	80	120	3.23	20	
Surr: 4-Bromofluorobenzene	1.1		1.000		111	66.6	132	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
- PQL Practical Quantitative Limit
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- 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: 1707762

RcptNo: 1

Received By: Andy Freeman 7/15/2017 11:20:00 AM

Completed By: Anne Thorne 7/17/2017 8:00:35 AM

Reviewed By: *[Signature]* 7/17/17

*[Signatures]*

### 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° 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? Yes  No   
(Note discrepancies on chain of custody)
- 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? Yes  No   
(If no, notify customer for authorization.)

# 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:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

17. Additional remarks:

### 18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good	Yes			

# Chain-of-Custody Record

Turn-Around Time:

Standard  Rush 3 day

Project Name:

San Juan 27-4 59M

Project #:

Pit Tank

Project Manager:

Lisa Hunter

Sampler: Clayton Hamilton

On Ice:  Yes  No

Sample Temperature: 2.3°C



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

### Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	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 <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)	Chlorides	Air Bubbles (Y or N)
X		X									X	

Client: Conoco Phillips

Mailing Address: PO Box 4289

Farmington NM 87499

Phone #: 505-258-1607

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

QA/QC Package:

Standard  Level 4 (Full Validation)

Accreditation

NELAP  Other \_\_\_\_\_

EDD (Type) \_\_\_\_\_

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
<u>7/14/17</u>	<u>9:00A</u>	<u>Soil</u>	<u>San Juan 27-4 59M</u>	<u>1/4oz</u>	<u>Cold</u>	<u>1707762</u>

Date: 7/14/17 Time: 13:50 Relinquished by: [Signature]

Received by: [Signature] Date: 7-14-17 Time: 13:50

Remarks: WO #: 22102834

Date: 7/14/17 Time: 1644 Relinquished by: [Signature]

Received by: [Signature] Date: 7/14/17 Time: 1644

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 noted on the analytical report.