1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 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 APR 2 1 2016

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	Rep							
Tame of Company Burlington Resources, a Wholly Owned ubsidiary of ConocoPhillips Company	Contact Lisa Hunter								
ddress 3401 East 30th St, Farmington, NM	Telephone No. (505) 258-1607								
acility Name: Atlantic 9	Facility Type: Gas Well (P&A)								
urface Owner Federal Mineral Owner	Federal (NM-013688) API No. 3004522799								
	ON OF RELEASE								
Init Letter Section Township Range Feet from the North	h/South Line Feet from the East/West Line County North 850 East San Juan								
Latitude <u>36.88859</u>	7 Longitude - <u>107.863589</u>								
NATURE	E OF RELEASE								
ype of Release Hydrocarbon	Volume of Release Unknown Volume Recovered None								
ource of Release Below Grade Tank (BGT) Closure Resample	Date and Hour of Occurrence Date and Hour of Discovery								
/as Immediate Notice Given?	Unknown 11/09/15  If YES, To Whom?	_							
/as Immediate Notice Given?  ☐ Yes ☐ No ☒ Not Required									
y Whom? N/A	Date and Hour N/A								
vas a Watercourse Reached?  ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.								
T . 1 TS 21 TS 11 W									
a Watercourse was Impacted, Describe Fully.*									
//A									
Pescribe Cause of Problem and Remedial Action Taken.*									
//A	n constituents exceeded standards outlined by 19.15.17.13 NMAC.								
Pescribe Cause of Problem and Remedial Action Taken.*	n constituents exceeded standards outlined by 19.15.17.13 NMAC.								
Pescribe Cause of Problem and Remedial Action Taken.*	n constituents exceeded standards outlined by 19.15.17.13 NMAC.								
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District I 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 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

\* Attach Additional Sheets If Necessary

### State of New Mexico Energy Minerals and Natural Resources

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.

			Rel	ease Notifi	catio		orrective A	ction	1	44.00	144			
						<b>OPERA</b>			Initi	al Report		Final Repor		
Subsidiary	of Conoc	oPhillips Co	mpany	s, a Wholly Ow	ned	Contact Lisa Hunter								
		0th St, Farm	ington, l	NM		Telephone No. (505) 258-1607								
Facility Na	me: Atlan	rtic 9				Facility Typ	e: Gas Well (l	P&A)			11.8			
Surface Ov	vner Fede	eral	-	Mineral	Owner	Federal (N	M-013688)		API No	3004513	116			
				LOC	ATIO	N OF RE	LEASE							
Unit Letter O	Section 12	Township 30N	Range 11W	Feet from the 790		/South Line South	Feet from the 1850		West Line East	County San Juan		N-WES		
				Latitude 36	Tun Offer	OF REL	le - <u>107.863589</u> FASE							
Type of Rele	ease Hyd	Irocarbon		1174	UKE	Volume of		nown	Volume l	Recovered	Nor	ie		
Source of Ro			nk (BGT	) Closure Resam	ple		Hour of Occurrent			Hour of Dis				
Was Immed	iate Notice (		No Not F	If YES, To N/A	Whom?									
By Whom?	N/A	RETURNS			EG	Date and I			01	L CONS	DIVE	UOT a		
Was a Water	rcourse Rea	ched?	No		Date and Hour N/A  If YES, Volume Impacting the Watercourse.  N/A  DEC 08 2015									
N/A Describe Ca	use of Probl	lem and Reme	dial Actio	n Taken.*			exceeded standa				200			
Describe Are NMOCD ac score of 10.	ea Affected ction levels Samples w is attached	and Cleanup afor releases a	Action Ta re specifi and anal	ken.* ed in NMOCD's ytical results are	Guideli	ines for Leak	s, Spills and Rel MOCD action le amental using a g	eases ar	d the relea	ase was assi	gned a	ranking med. The		
regulations a public health should their or the environment	or the envi operations h onment. In a	are required to ironment. The have failed to	o report a acceptan adequately OCD accep	nd/or file certain ce of a C-141 rep y investigate and	release r ort by th remediat	notifications a ne NMOCD nate contaminat	knowledge and und perform corre- narked as "Final Rion that pose a through the operator of	ctive act Report" or reat to g	ions for rel loes not rel round wate	eases which ieve the ope r, surface wa	may en rator of ater, hu	ndanger f liability man health		
Signature:	Ish	+44.	-			OIL CONSERVATION DIVISION								
Printed Nam	e: Lisa Hu	nter				Approved by	Environmental S	Specialis	"IN	prot	INTO	But.		
Title: Field	Environme	ental Speciali	st			Approval Da	te:		Expiration	Date:	-			
E-mail Addr	ess: Lisa.H	unter@cop.c	om			Conditions o	f Approval:		Attached					
Date: Dece	mber 4, 201	5 P	none: (505	5) 258-1607										



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

November 19, 2015

Emilee Skyles Animas Environmental 604 Pinon Street Farmington, NM 87401 TEL: (505) 564-2281

FAX

RE: COPC Atlantic 9

OrderNo.: 1511378

### Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/10/2015 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued November 19, 2015.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> or the state specific web sites. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

### **Analytical Report**

Lab Order 1511378

Date Reported: 11/19/2015

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental

Project: COPC Atlantic 9

Lab ID: 1511378-001

Client Sample ID: BGT S-1

Collection Date: 11/9/2015 8:55:00 AM

Received Date: 11/10/2015 6:50:00 AM

Analyses	Result	RL (	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	том
Petroleum Hydrocarbons, TR	380	20	mg/Kg	1	11/17/2015	22354
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	ND	30	mg/Kg	20	11/13/2015 2:31:24 PM	22349
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGANIC	S			Analyst	: KJH
Diesel Range Organics (DRO)	65	9.7	mg/Kg	1	11/11/2015 6:06:05 PM	22273
Surr: DNOP	115	70-130	%REC	1	11/11/2015 6:06:05 PM	22273
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst	NSB
Gasoline Range Organics (GRO)	28	9.6	mg/Kg	2	11/11/2015 2:41:07 PM	22278
Surr: BFB	140	75.4-113	S %REC	2	11/11/2015 2:41:07 PM	22278
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.096	mg/Kg	2	11/11/2015 2:41:07 PM	22278
Toluene	ND	0.096	mg/Kg	2	11/11/2015 2:41:07 PM	22278
Ethylbenzene	ND	0.096	mg/Kg	2	11/11/2015 2:41:07 PM	22278
Xylenes, Total	2.0	0.19	mg/Kg	2	11/11/2015 2:41:07 PM	22278
Surr: 4-Bromofluorobenzene	119	80-120	%REC	2	11/11/2015 2:41:07 PM	22278

Matrix: SOIL

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

#### 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 Page 1 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#:

1511378

19-Nov-15

Client:

Animas Environmental

Project:

COPC Atlantic 9

Sample ID MB-22349

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 22349

RunNo: 30257

Prep Date: 11/13/2015

Analysis Date: 11/13/2015 PQL

SeqNo: 922446

Units: mg/Kg

HighLimit

**RPDLimit** 

Qual

Analyte Chloride

Result

ND

SampType: LCS

PQL

1.5

1.5

TestCode: EPA Method 300.0: Anions

%RPD

Sample ID LCS-22349

Client ID: LCSS

Batch ID: 22349

RunNo: 30257

Units: mg/Kg

Analyte

Prep Date: 11/13/2015

Analysis Date: 11/13/2015

SPK value SPK Ref Val %REC

SPK value SPK Ref Val %REC LowLimit

90.9

SeqNo: 922447

LowLimit HighLimit %RPD

**RPDLimit** Qual

Chloride

14

15.00

90

110

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

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 Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

P Sample pH Not In Range

Reporting Detection Limit

Page 2 of 6

### Hall Environmental Analysis Laboratory, Inc.

WO#:

1511378

19-Nov-15

Client:

Animas Environmental

Project:

COPC Atlantic 9

Sample ID	MB-223

SampType: MBLK

TestCode: EPA Method 418.1: TPH

Client ID: PBS

Batch ID: 22354

RunNo: 30289

Prep Date: 11/16/2015

Analysis Date: 11/17/2015

SeqNo: 923840

Units: mg/Kg HighLimit

Analyte Petroleum Hydrocarbons, TR

ND 20 SPK value SPK Ref Val %REC LowLimit

**RPDLimit** 

Qual

Sample ID LCS-22354

SampType: LCS

TestCode: EPA Method 418.1: TPH

Client ID: LCSS

Batch ID: 22354

RunNo: 30289

Prep Date: 11/16/2015

Analysis Date: 11/17/2015

20

20

SeqNo: 923841

Units: mg/Kg

Analyte Petroleum Hydrocarbons, TR Result PQL

110

SPK value SPK Ref Val 100.0

%REC LowLimit 114

HighLimit 83.6

%RPD **RPDLimit** 

%RPD

Qual

Sample ID LCSD-22354

SampType: LCSD

TestCode: EPA Method 418.1: TPH

Client ID: LCSS02

Batch ID: 22354

RunNo: 30289 SeqNo: 923842

Units: mg/Kg

Analyte

Prep Date: 11/16/2015 Analysis Date: 11/17/2015

SPK value SPK Ref Val %REC LowLimit HighLimit

116

%RPD **RPDLimit** Qual

Petroleum Hydrocarbons, TR

Result PQL 120

100.0

0

115

83.6

1.29

20

### **Oualifiers:**

- Value exceeds Maximum Contaminant Level.
- Holding times for preparation or analysis exceeded H

% Recovery outside of range due to dilution or matrix

- Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- D Sample Diluted Due to Matrix
- E Value above quantitation range
- Sample pH Not In Range
- RL Reporting Detection Limit

B

- Analyte detected in the associated Method Blank
- J Analyte detected below quantitation limits
- Page 3 of 6

## Hall Environmental Analysis Laboratory, Inc.

WO#:

1511378

19-Nov-15

Client:

Animas Environmental

Project:

COPC Atlantic 9

Sample ID MB-22273		ype: ME					8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batci	h ID: 22	273		RunNo: 3	0150				
Prep Date: 11/10/2015	Analysis E	Date: 1	1/11/2015	8	SeqNo: 9	18894	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10	7.70	SALE					THE	IV.
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		110	70	130		WELL !	
Sample ID LCS-22273	SampT	ype: LC	S	Tes	e Organics					
Client ID: LCSS	Batcl	n ID: 22	273	F	RunNo: 3	0150				
Prep Date: 11/10/2015	Analysis D	Date: 1	1/11/2015	8	eqNo: 9	18897	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	111	57.4	139	7 1114	THE WAY	10
Surr: DNOP	6.1		5.000		121	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
- 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

Page 4 of 6

## Hall Environmental Analysis Laboratory, Inc.

WO#:

1511378

19-Nov-15

Client:

Animas Environmental

Project:

COPC Atlantic 9

Sample ID MB-22278	Samp	ype: M	BLK	TestCode: EPA Method 8015D: Gasoline Range									
Client ID: PBS	Batc	n ID: 22	278	F	RunNo: 3	0159							
Prep Date: 11/10/2015	Analysis [	Date: 1	11/11/2015 SeqNo: 919299				Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Gasoline Range Organics (GRO) Surr: BFB	ND 860	5.0	1000		85.9	75.4	113			1			
Sample ID LCS-22278	Samp	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е				
Client ID: LCSS	Batc	n ID: 22	278	F	RunNo: 3	0159							
Prep Date: 11/10/2015	Analysis E	Date: 1	1/11/2015	8	SeqNo: 9	19300	Units: mg/k	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	79.6	122						
Surr: BFB	940		1000		93.5	75.4	113						

#### 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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: 1511378

19-Nov-15

Client: Project: Animas Environmental

COPC Atlantic 9

Sample ID MB-22278	Samp	Гуре: М	BLK	Tes	tCode: E					
Client ID: PBS	Batc	h ID: 22	278	F	RunNo: 3	0159				
Prep Date: 11/10/2015	Analysis Date: 11/11/2015			8	SeqNo: 9	19328	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050		7-14		THE				
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Sample ID LCS-22278	Samp	Type: LC	cs	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Bato	h ID: 22	278	F	RunNo: 3	0159				
Prep Date: 11/10/2015	Analysis Date: 11/11/2015				SeqNo: 9	19330	Units: mg/k	<b>(</b> g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	96.4	80	120			
Toluene	0.94	0.050	1.000	0	94.2	80	120			
Ethylbenzene	0.99	0.050	1.000	0	98.8	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	12		1.000		116	80	120			

### 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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-315-3975 FAX: 505-345-4107

Website: www.hallenviroamental.com

# Sample Log-In Check List

Animas Environmental Work Order Number. 1511378 RcptNo: 1 Client Name: Received by/date: -Logged By: **Ashley Gallegos** 11/10/2015 6:50:00 AM 11/10/2015 9:07:18 AM Completed By: **Ashley Gallegos** Reviewed By: NC 11/10/15 Chain of Custody Not Present Yes No 🗌 1. Custody seals intact on sample bottles? Yes V No 🗌 Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In 4. Was an attempt made to cool the samples? Yes V No 🗌 NA [ No 🗌 NA . Were all samples received at a temperature of >0° C to 6.0°C Yes V No 🗌 Yes V Sample(s) in proper container(s)? 7. Sufficient sample volume for indicated test(s)? Yes V No 🗌 Yes V No [ 8. Are samples (except VOA and ONG) properly preserved? Yes 🗌 No V NA 🗌 9. Was preservative added to bottles? Yes | No No VOA Vials 10. VOA vials have zero headspace? Yes -No V 11. Were any sample containers received broken? # of preserved bottles checked No . for pH: Yes V 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗌 Yes V 13. Are matrices correctly Identified on Chain of Custody? Yes V No 🗌 14. Is it clear what analyses were requested? No 🗌 Checked by: 15. Were all holding times able to be met? Yes V (If no, notify customer for authorization.) Special Handling (if applicable) Yes NA V 16. Was client notified of all discrepancies with this order? No 🗌 Person Notified: Date By Whom: eMail Phone Fax In Person Via: Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No Temp °C | Condition | Seal Intact | Seal No | Seal Date 1.3 Good

IIIIIas EI	vironm	ental Services, LLC	X Standard Project Name:	□ Rusi					AP		YSI	SLA	ABO	RAT		
dress:	604 W	Pinon St.		COPC Atlan	tic 9		490	01 H								
	Farmin	gton, NM 87401	Project #:	Property of		Tel. 505-345-3975 Fax 505-345-4107 Analysis Request										
505-564-	2281															
	les@anir	masenvironmental.com	Project Manager:						1							
ckage: rd		□ Level 4 (Full Validation		E. Skyles					)RO)							
ion:	□ Other		Sampler: 5,				3RO/E							0		
EDD (Type)				erature.	3		-	0.	15 (							5
Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALNO. 1511318	BTEX - 8021B	TPH - EPA 418	Chlorides - 300	TPH - EPA 80							Air Bubbles (Y or N)
1-9-15 0855 SOIL BGT S-1		BGT S-1	2 - 4 oz.	cool	-001	X	X	X	X	-		+				$\blacksquare$
														+		
												+				
Time:	Relinguish	ed by:	Received by:	-	Date Time	Ren	narks	e Bill	to Co	onoco F	Phillips					
17 <i>6</i> 3	Ai	302 Cuf	Received by: 11/9/15 1763					WO # Supervisor: Chris Neuenschwander USERID: GARRECD Area: 3								
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