

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 <b>ConocoPhillips Company</b>	Contact <b>Crystal Tafoya</b>	
Address <b>3401 East 30<sup>th</sup> St, Farmington, NM</b>	Telephone No. <b>(505) 326-9837</b>	
Facility Name: <b>State E Gas Com 1E</b>	Facility Type: <b>Gas Well</b>	
Surface Owner <b>BLM</b>	Mineral Owner <b>State (E-6515)</b>	API No. <b>30-045-25145</b>

#### LOCATION OF RELEASE

Unit Letter <b>A</b>	Section <b>16</b>	Township <b>29N</b>	Range <b>10W</b>	Feet from the <b>800</b>	North/South Line <b>North</b>	Feet from the <b>800</b>	East/West Line <b>East</b>	County <b>San Juan</b>
-------------------------	----------------------	------------------------	---------------------	-----------------------------	----------------------------------	-----------------------------	-------------------------------	---------------------------

Latitude **36.730999** Longitude **-107.88400**

#### NATURE OF RELEASE

Type of Release <b>Produced Water</b>	Volume of Release <b>30 BBLS</b>	Volume Recovered <b>20 BBLS</b>
Source of Release <b>Pit Tank</b>	Date and Hour of Occurrence <b>Unknown</b>	Date and Hour of Discovery <b>1/30/2014 at 9:15AM</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>BLM (Shari Ketcham) &amp; NMOCD (Jonathan Kelly)</b>	
By Whom? <b>Lisa Hunter</b>	Date and Hour <b>1/31/2014 at 1:28PM</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

OIL CONS. DIV DIST. 3

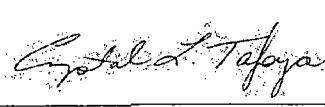
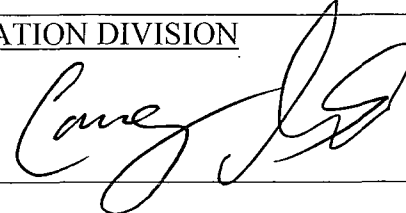
MAY 09 2014

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

Describe Cause of Problem and Remedial Action Taken.\*  
**Hole in pit tank discovered allowing 30bbbs of produced water to be released. Water hauler contacted and recovered 20bbbs of produced water. Well was immediately shut-in. This release was contained within the berm and did not leave location.**

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Crystal Tafoya</b>	Approved by Environmental Specialist: 	
Title: <b>Field Environmental Specialist</b>	Approval Date: <b>5/9/14</b>	Expiration Date:
E-mail Address: <b>crystal.tafoya@conocophillips.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>5/8/2014</b> Phone: <b>(505) 326-9837</b>		

\* Attach Additional Sheets If Necessary

#NCS 141 2953471



Animas Environmental Services, LLC

[www.animasenvironmental.com](http://www.animasenvironmental.com)

March 20, 2014

Crystal Tafoya  
ConocoPhillips  
San Juan Business Unit  
Office 214-05  
5525 Hwy 64  
Farmington, New Mexico 87401

624 E. Comanche  
Farmington, NM 87401  
505-564-2281

Durango, Colorado  
970-403-3084

*Via electronic mail to:*  
[SJBUE-Team@ConocoPhillips.com](mailto:SJBUE-Team@ConocoPhillips.com)

**RE: Release Assessment Report  
State E Gas Com #1E  
San Juan County, New Mexico**

Dear Ms. Tafoya:

On February 6, 2014, Animas Environmental Services, LLC (AES) completed a release assessment at the ConocoPhillips (CoP) State E Gas Com #1E, located in San Juan County, New Mexico. The release consisted of approximately 30 barrels (bbls) of produced water from the below grade tank (BGT) at the location, of which 20 bbls of produced water were recovered.

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## 1.0 Site Information

### 1.1 Location

Location – NE¼ NE¼, Section 16, T29N, R10W, San Juan County, New Mexico  
Well Head Latitude/Longitude – N36.73132 and W107.88417, respectively  
Release Location Latitude/Longitude – N36.73098 and W107.88416, respectively  
Land Jurisdiction – State of New Mexico  
Figure 1. Topographic Site Location Map  
Figure 2. Aerial Site Map, February 2014

### 1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 10 based on the following factors:

- **Depth to Groundwater:** No groundwater data was available for this location. Based on topographical interpretation, Global Position System (GPS) elevation readings, and visual reconnaissance, depth to groundwater at the site was estimated to be greater than 100 feet below ground surface (bgs). (0 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** An unnamed wash which discharges to the wash in Slane Canyon is located approximately 740 feet northwest of the location. (10 points)

### 1.3 Assessment

AES was initially contacted by Crystal Tafoya of CoP on February 3, 2014, and on February 6, 2014, Debbie Watson and Jesse Sprague of AES completed the release assessment field work. The assessment included collection and field screening of four soil samples from three soil borings around the release area. Soil borings were terminated between 5 and 6 feet. Sample locations are shown on Figure 3.

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## 2.0 Soil Sampling

A total of four soil samples from three borings (SB-1 through SB-3) were collected during the assessment. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were analyzed for total petroleum hydrocarbons (TPH).

### 2.1 Field Screening

#### 2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

#### 2.1.2 Total Petroleum Hydrocarbons

Field TPH samples were analyzed per U.S. Environmental Protection Agency (USEPA) Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's *Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1*.

### 2.2 Field Screening Results

On February 6, 2014, release assessment field screening results for VOCs via OVM showed concentrations ranging from 10 ppm in SB-1 up to 36.7 ppm in SB-3. Field TPH

concentrations ranged from less than 20.0 mg/kg in SB-2 and SB-3 up to 31.3 mg/kg in SB-1. Results are included below in Table 1 and on Figure 3. The AES Field Screening Report is attached.

Table 1. Field Screening VOCs and TPH Results  
State E Gas Com #1E Release Assessment, February 2014

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>	<i>Field TPH (mg/kg)</i>
<i>NMOCD Action Level*</i>			<i>100</i>	<i>1,000</i>
SB-1	2/6/14	5	10.0	NA
		6	24.0	31.3
SB-2	2/6/14	5	29.3	<20.0
SB-3	2/6/14	5	36.7	<20.0

NA – not analyzed

\*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

### 3.0 Conclusions and Recommendations

On February 6, 2014, AES conducted a release assessment of produced water impacted soils associated with a release from the onsite BGT at the State E Gas Com #1E. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 10.

Release assessment field screening results were below NMOCD action levels of 100 ppm VOC and 1,000 mg/kg TPH for all samples. The highest VOC concentration was reported in SB-3 with 36.7 ppm, and the highest TPH concentration was reported in SB-1 with 31.3 mg/kg.

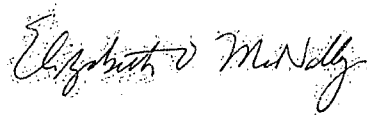
Based on field screening results of the release assessment at the State E Gas Com #1E, VOCs and TPH concentrations were below applicable NMOCD action levels. No further work is recommended.

If you have any questions about this report or site conditions, please do not hesitate to contact Deborah Watson at (505) 564-2281.

Sincerely,



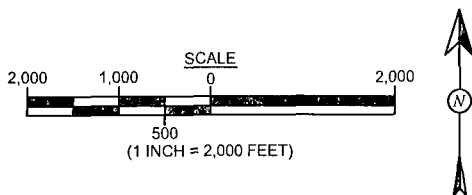
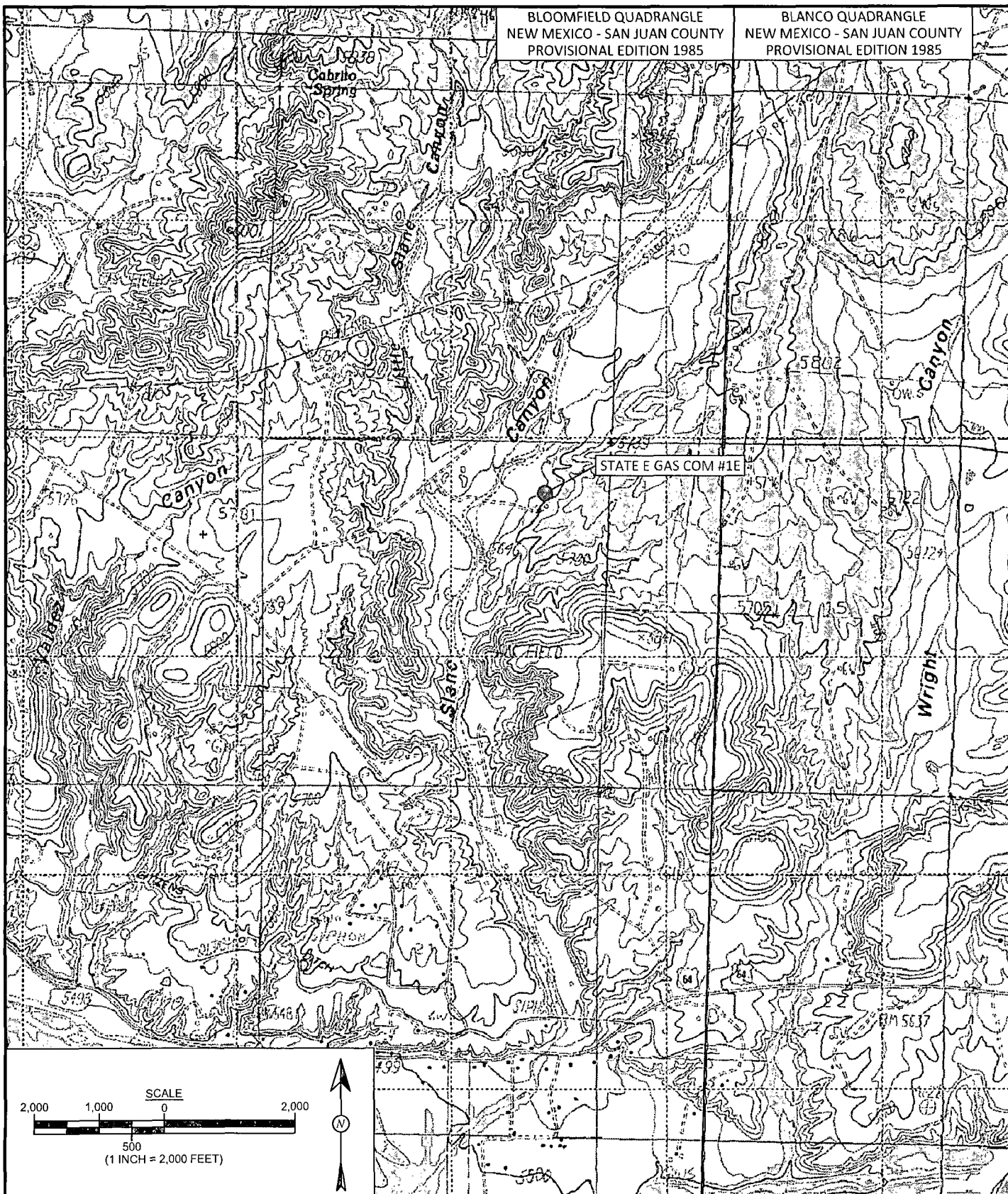
Jesse Sprague  
Staff Geologist




Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, February 2014
- Figure 3. Release Assessment Sample Locations and Results, February 2014
- AES Field Screening Report 020614

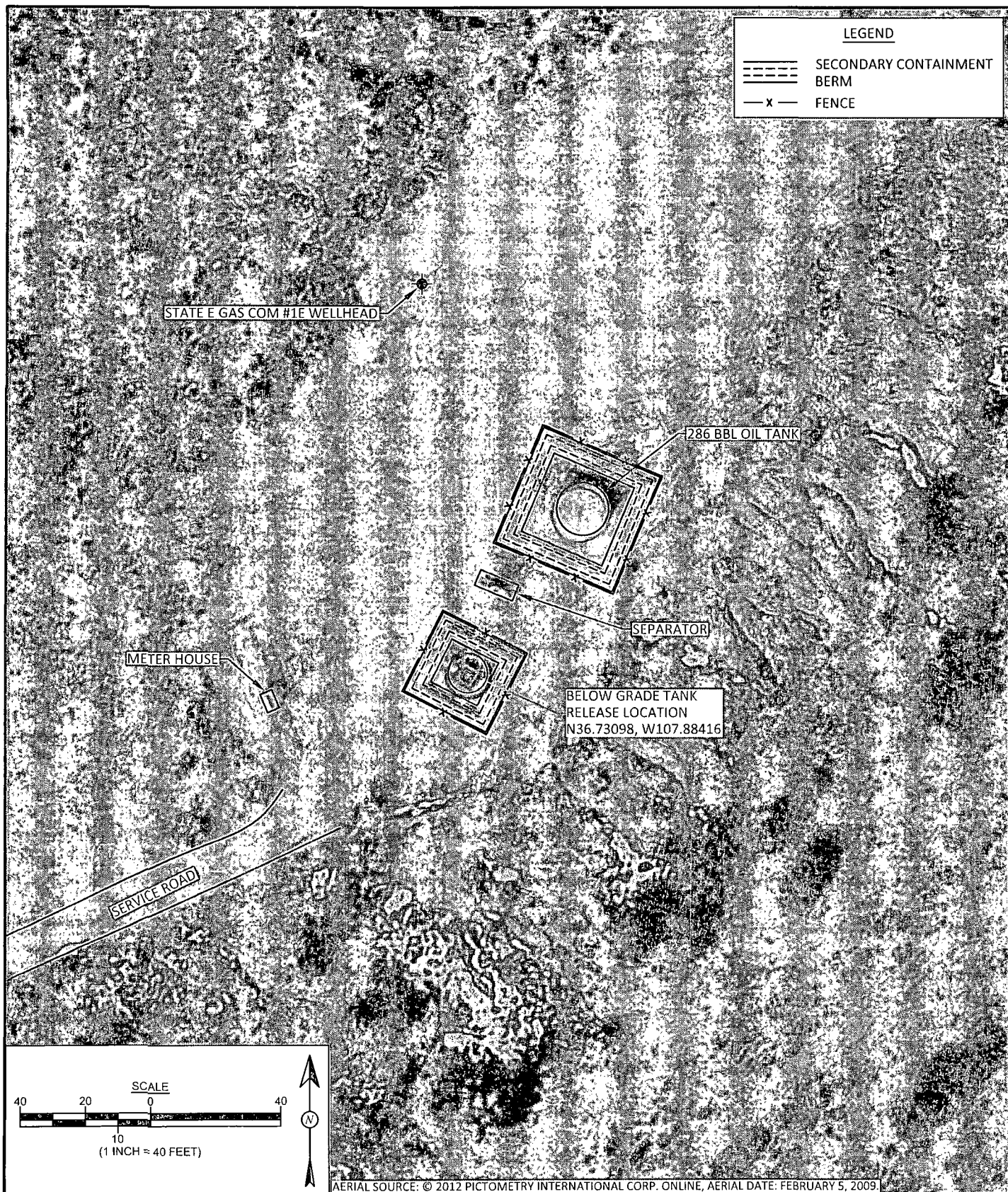


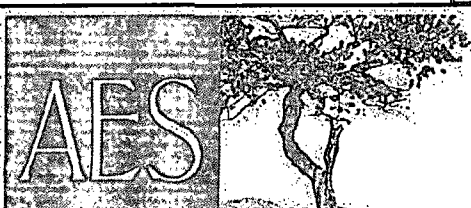
 <p>Animas Environmental Services, LLC</p>	<b>DRAWN BY:</b> S. Glasses	<b>DATE DRAWN:</b> February 7, 2014	<b>FIGURE 1</b>  <b>TOPOGRAPHIC SITE LOCATION MAP</b> ConocoPhillips STATE E GAS COM #1E NE¼, NE¼, SECTION 16, T29N, R10W SAN JUAN COUNTY, NEW MEXICO N36.73132, W107.88417
	<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> March 18, 2014	
	<b>CHECKED BY:</b> D. Watson	<b>DATE CHECKED:</b> March 18, 2014	
	<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> March 18, 2014	



**LEGEND**

===== SECONDARY CONTAINMENT  
===== BERM  
— x — FENCE

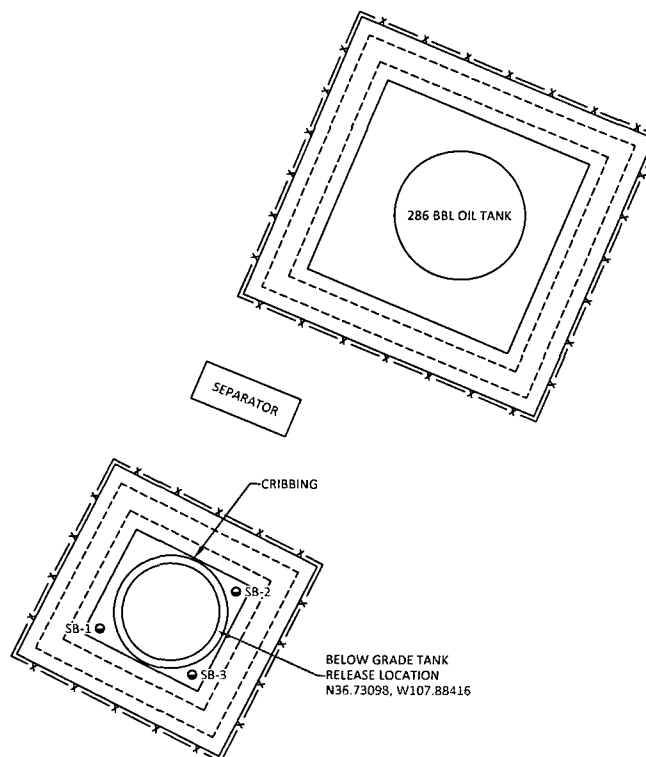


 Animas Environmental Services, LLC	<b>DRAWN BY:</b> S. Glasses	<b>DATE DRAWN:</b> February 7, 2014	<b>FIGURE 2</b>  <b>AERIAL SITE MAP FEBRUARY 2014</b>  ConocoPhillips STATE E GAS COM #1E NE¼ NE¼, SECTION 16, T29N, R10W SAN JUAN COUNTY, NEW MEXICO N36.73132, W107.88417
	<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> March 18, 2014	
	<b>CHECKED BY:</b> D. Watson	<b>DATE CHECKED:</b> March 18, 2014	
	<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> March 18, 2014	

STATE E GAS COM #1E WELLHEAD

Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
		NMOCD ACTION LEVEL		100 1,000
SB-1	2/6/14	5	10.0	NA
		6	24.0	31.3
SB-2	2/6/14	5	29.3	<20.0
SB-3	2/6/14	5	36.7	<20.0

NA - NOT ANALYZED



NEED HOUSE

**FIGURE 3**

**RELEASE ASSESSMENT SAMPLE  
LOCATIONS AND RESULTS  
FEBRUARY 2014**  
ConocoPhillips  
STATE E GAS COM #1E  
NE¼ NE¼, SECTION 16, T29N, R10W  
SAN JUAN COUNTY, NEW MEXICO  
N36.73132, W107.88417

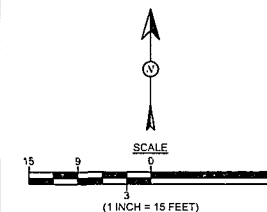


Animas Environmental Services, LLC

<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> February 7, 2014
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> March 18, 2014
<b>CHECKED BY:</b> D. Watson	<b>DATE CHECKED:</b> March 18, 2014
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> March 18, 2014

**LEGEND**

- SAMPLE LOCATIONS
- ===== SECONDARY CONTAINMENT BERM
- x- FENCE





# AES Field Screening Report

Client: ConocoPhillips

Project Location: State E Gas Com #1E

Date: 2/6/2014

Matrix: Soil



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche  
Farmington, NM 87401  
505-564-2281

Durango, Colorado  
970-403-3084

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 5'	2/6/2014	13:04	SW Corner	10.0	Not Analyzed for TPH				
SB-1 @ 6'	2/6/2014	13:05	SW Corner	24.0	13:49	31.3	20.0	1	DAW
SB-2 @ 5'	2/6/2014	13:08	NE Corner	29.3	13:43	17.2	20.0	1	DAW
SB-3 @ 5'	2/6/2014	13:15	SE Corner	36.7	13:56	16.0	20.0	1	DAW

DF Dilution Factor

NA Not Analyzed

ND Not Detected at the Reporting Limit

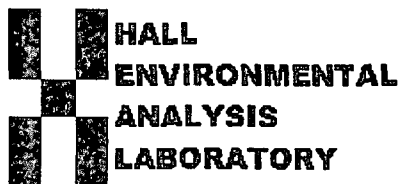
PQL Practical Quantitation Limit

\*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

*Debrah Wata*



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)

April 23, 2014

Debbie Watson  
Animas Environmental  
624 East Comanche  
Farmington, NM 87401  
TEL: (505) 486-4071  
FAX

RE: CoP State E Gas Com #1E

OrderNo.: 1404741

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/16/2014 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 horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1404741

Date Reported: 4/23/2014

CLIENT: Animas Environmental

Client Sample ID: SC-1

Project: CoP State E Gas Com #1E

Collection Date: 4/15/2014 2:15:00 PM

Lab ID: 1404741-001

Matrix: SOIL

Received Date: 4/16/2014 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D: DIESEL RANGE ORGANICS</b>							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/18/2014 4:05:23 AM	12726
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/18/2014 4:05:23 AM	12726
Surr: DNOP	118	57.9-140		%REC	1	4/18/2014 4:05:23 AM	12726
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/17/2014 6:18:50 PM	12739
Surr: BFB	85.6	74.5-129		%REC	1	4/17/2014 6:18:50 PM	12739
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JRR
Chloride	220	30		mg/Kg	20	4/18/2014 11:07:22 AM	12780

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1404741

23-Apr-14

**Client:** Animas Environmental  
**Project:** CoP State E Gas Com #1E

Sample ID	MB-12780	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	12780	RunNo:	18105					
Prep Date:	4/18/2014	Analysis Date:	4/18/2014	SeqNo:	522731	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-12780		SampType:	LCS		TestCode:	EPA Method 300.0: Anions				
Client ID:	LCSS		Batch ID:	12780		RunNo:	18105				
Prep Date:	4/18/2014		Analysis Date:	4/18/2014		SeqNo:	522732		Units:	mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	14	1.5	15.00	0	92.8	90	110				

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
E Value above quantitation range  
J Analyte detected below quantitation limits  
O RSD is greater than RSDlimit  
R RPD outside accepted recovery limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
P Sample pH greater than 2.  
RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1404741

23-Apr-14

**Client:** Animas Environmental  
**Project:** CoP State E Gas Com #1E

Sample ID	MB-12726	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	12726	RunNo:	18017					
Prep Date:	4/15/2014	Analysis Date:	4/17/2014	SeqNo:	521794	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	8.4		10.00		84.4	57.9	140			

Sample ID	LCS-12726	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	12726	RunNo:	18017					
Prep Date:	4/15/2014	Analysis Date:	4/17/2014	SeqNo:	521795	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.5	60.8	145			
Surr: DNOP	4.3		5.000		86.4	57.9	140			

### Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| 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               |
| O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1404741

23-Apr-14

**Client:** Animas Environmental  
**Project:** CoP State E Gas Com #1E

Sample ID	MB-12739	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	12739	RunNo:	18070					
Prep Date:	4/16/2014	Analysis Date:	4/17/2014	SeqNo:	521280	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	850		1000		85.3	74.5	129			

Sample ID	LCS-12739	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	12739	RunNo:	18070					
Prep Date:	4/16/2014	Analysis Date:	4/17/2014	SeqNo:	521281	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	71.7	134			
Surr: BFB	980		1000		97.8	74.5	129			

Sample ID	1404741-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-1	Batch ID:	12739	RunNo:	18070					
Prep Date:	4/16/2014	Analysis Date:	4/17/2014	SeqNo:	521320	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.46	0	106	69.5	145			
Surr: BFB	950		978.5		97.0	74.5	129			

Sample ID	1404741-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-1	Batch ID:	12739	RunNo:	18070					
Prep Date:	4/16/2014	Analysis Date:	4/17/2014	SeqNo:	521321	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.41	0	101	69.5	145	5.22	20	
Surr: BFB	940		976.6		95.8	74.5	129	0	0	

Sample ID	MB-12765 MK	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R18084	RunNo:	18084					
Prep Date:		Analysis Date:	4/18/2014	SeqNo:	522566	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	860		1000		85.6	74.5	129			

Sample ID	LCS-12765 MK	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R18084	RunNo:	18084					
Prep Date:		Analysis Date:	4/18/2014	SeqNo:	522567	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	910		1000		91.5	74.5	129			

### Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| 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               |
| O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1404741

23-Apr-14

**Client:** Animas Environmental  
**Project:** CoP State E Gas Com #1E

Sample ID	MB-12765	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	12765	RunNo:	18084					
Prep Date:	4/17/2014	Analysis Date:	4/18/2014	SeqNo:	522600	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	860		1000		85.6	74.5	129			

Sample ID	LCS-12765	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	12765	RunNo:	18084					
Prep Date:	4/17/2014	Analysis Date:	4/18/2014	SeqNo:	522601	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	910		1000		91.5	74.5	129			

## Qualifiers:

- |   |  |
|---|--|
| * Value exceeds Maximum Contaminant Level.        | B Analyte detected in the associated Method Blank    |
| 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               |
| O RSD is greater than RSDlimit                    | P Sample pH greater than 2.                          |
| R RPD outside accepted recovery limits            | RL Reporting Detection Limit                         |
| S Spike Recovery outside accepted recovery limits |  |



## Sample Log-In Check List

Client Name: **Animas Environmental**

Work Order Number: **1404741**

RcptNo: 1

Received by/date:

*Am* 04/16/14

Logged By: **Ashley Gallegos**

4/16/2014 10:10:00 AM

*Ag*

Completed By: **Ashley Gallegos**

4/16/2014 11:11:24 AM

*Ag*

Reviewed By:

*Am* 04/16/14

### 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?           | <u>Courier</u> |    |               |

### 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?<br>(Note discrepancies on chain of custody)       | Yes ✓ | No   | # of preserved bottles checked for pH:<br>(<2 or >12 unless noted) |
| 13. Are matrices correctly identified on Chain of Custody?                                | Yes ✓ | No   | Adjusted?  |
| 14. Is it clear what analyses were requested?   | Yes ✓ | No   |  |
| 15. Were all holding times able to be met?<br>(If no, notify customer for authorization.) | Yes ✓ | No   | 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good	Yes			

Client: Animas Environmental  
Services LLC  
Mailing Address: 624 E Comanche  
Farmington NM 87401  
Phone #: 505 564 2281  
email or Fax#:  
QA/QC Package:  
☐ Standard ☐ Level 4 (Full Validation)  
Accreditation  
☐ NELAP ☐ Other \_\_\_\_\_  
☐ EDD (Type) \_\_\_\_\_

☒ Standard ☐ Rush \_\_\_\_\_

Project Name: C/P State E Gas Com #4E

Project #:

Project Manager:  
D. Watson

Sampler: S. Lynn

On Ice: ☒ Yes ☐ No

Sample Temperature: 7.1

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
1/15/14	1621	Stephanie Elzy	Master White	1/15/14	1621

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/15/14	1700	Christa Walle	[Signature]	04/16/14	1010



[www.hallenvironmental.com](http://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)	
X	TPH 8015B ( <del>GRO</del> ) 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)	
X	300.0 chlorides	
	Air Bubbles (Y or N)	

Remarks:	Bill to ConocoPhillips
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