

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

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

Revised

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company ConocoPhillips	Contact Lindsay Dumas
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 599-4089
Facility Name: Omler A 1	Facility Type: Gas Well

Surface Owner: Federal	Mineral Owner: Federal SF 077085	API No. 30-045-11906
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LOCATION OF RELEASE

Unit Letter G	Section 26	Township 28N	Range 10W	Feet from the 1650	North/South Line North	Feet from the 1650	East/West Line East	County San Juan
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Latitude 36.635879 Longitude -107.86112

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release Unknown	Volume Recovered 0
Source of Release Historic release discovered during BGT removal	Date and Hour of Occurrence Unknown	Date and Hour of Discovery June 19, 2013
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
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.*

RCUD JAN 29 '14

Describe Cause of Problem and Remedial Action Taken.*

Historically impacted soil was discovered. Third party environmental company contacted for assessment.

**OIL CONS. DIV.
DIST. 3**

Describe Area Affected and Cleanup Action Taken.*

A spill of 2.3 bbls was found during a BGT removal, due to a pin hole in a tank. Excavation was larger than 2.3 bbls that was initially reported. The excavation was 30' x 30' x 8' in depth and 288 yds of soil was transported to IEI land farm and 378 yds of clean soil was transported from Aztec Machine Company and placed in the excavation site. 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: <i>Lindsay Dumas</i>	OIL CONSERVATION DIVISION	
Printed Name: Lindsay Dumas	Approved by Environmental Specialist: <i>Jonah R. Kelly</i>	
Title: Field Environmental Specialist	Approval Date: 11/12/2014	Expiration Date:
E-mail Address: Lindsay.Dumas@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/8/2013 Phone: (505) 599-4089		

* Attach Additional Sheets If Necessary

njk 14316 53944

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Energy Minerals and Natural Resources

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Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company ConocoPhillips	Contact Lindsay Dumas
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 599-4089
Facility Name: Omler A 1	Facility Type: Gas Well

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-045-11906
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LOCATION OF RELEASE

Unit Letter G	Section 26	Township 28N	Range 10W	Feet from the 1650	North/South Line North	Feet from the 1650	East/West Line East	County San Juan
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Latitude **36.635879** Longitude **-107.86112**

NATURE OF RELEASE

Type of Release Historic Release	Volume of Release Unknown	Volume Recovered Unknown
Source of Release Unknown	Date and Hour of Occurrence Unknown	Date and Hour of Discovery June 19, 2013
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour RCVD OCT 10 '13	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Historically impacted soil was discovered. Third party environmental company contacted for assessment.

Describe Area Affected and Cleanup Action Taken.*

The excavation was 30' x 30' x 8' in depth and 288 yds of soil was transported to IEI land farm and 378 yds of clean soil was transported from Aztec Machine Company and placed in the excavation site. 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: <i>Lindsay Dumas</i>	OIL CONSERVATION DIVISION		
Printed Name: Lindsay Dumas	Approved by Environmental Specialist:		
Title: Field Environmental Specialist	Approval Date:	Expiration Date:	
E-mail Address: Lindsay.Dumas@conocophillips.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 10/8/2013 Phone: (505) 599-4089			

* Attach Additional Sheets If Necessary



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3084

September 16, 2013

Lisa Hunter
ConocoPhillips
San Juan Business Unit
Office 214-04
5525 Hwy 64
Farmington, New Mexico 87401

Via electronic mail to:
SJBUE-Team@ConocoPhillips.com

**RE: Initial Release Assessment and Final Excavation Report
Omler A #1
San Juan County, New Mexico**

Dear Ms. Hunter:

On June 20 and 27, 2013, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) Omler A #1, located in San Juan County, New Mexico. The release was the result of an unknown volume of produced water which leaked from a below grade tank (BGT). The initial release assessment was completed by AES on June 20, 2013, and the final excavation was completed by CoP contractors while AES was on location on June 27, 2013.

1.0 Site Information

1.1 Location

Location – SW¼ NE¼, Section 26, T28N, R10W, San Juan County, New Mexico
Well Head Latitude/Longitude – N36.63594 and W107.86148, respectively
Release Location Latitude/Longitude – N36.63595 and W107.86124, respectively
Land Jurisdiction – Private
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, June 2013

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 location was given a ranking score of 40 based on the following factors:

- **Depth to Groundwater:** A Pit Remediation and Closure Report form dated May 2004 for the Omler A #15, located approximately 2,000 feet west of the location, reported the depth to groundwater as less than 50 feet below ground surface (bgs). (20 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** A pond is located approximately 115 feet north of the release location, and the wash in Armenta Canyon is located approximately 325 feet to the northwest. (20 points)

1.3 Assessment

AES was initially contacted by Lisa Hunter of CoP on June 20, 2013, and on the same day, Heather Woods and Lavina Lamone of AES completed the release assessment field work. The assessment included collection and field screening of three soil samples (S-1 through S-3) in the release area. Based on the field screening results, AES recommended further excavation of the release area. Sample locations are presented on Figure 3.

On June 27, 2013, AES returned to the location to collect confirmation soil samples of the excavation. The field screening activities included collection of seven confirmation soil samples (SC-1 through SC-7) of the walls and base of the excavation. The area of the final excavation was approximately 1,307 ft² by 8 to 10 feet in depth. Sample locations and final excavation extents are shown on Figure 4.

2.0 Soil Sampling

A total of three soil samples (S-1 through S-3) and seven composite samples (SC-1 through SC-7) were collected during the assessment and final clearance of the excavation. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). The composite samples (SC-1 through SC-7) collected during the excavation clearance were submitted for confirmation laboratory analysis.

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 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 *Laboratory Analyses*

The soil samples collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. Soil samples were laboratory analyzed for:

- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015D.

Soil sample SC-3 was also laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B.

2.3 *Field Screening and Laboratory Analytical Results*

On June 20, 2013, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 2,256 ppm in S-1 up to 2,400 ppm in S-2. Field TPH concentrations ranged from 11,100 mg/kg in S-3 up to 18,700 mg/kg in S-1.

On June 27, 2013, final excavation field screening results for VOCs via OVM ranged from 0.5 ppm in SC-4 up to 338 ppm in SC-3. Field TPH concentrations ranged from 101 mg/kg in SC-7 up to 349 mg/kg in SC-3. Results are included below in Table 1 and on Figures 3 and 4. The AES Field Screening Reports are attached.

Table 1. Field Screening VOCs and TPH Results
Omler A #1 Initial Release Assessment and Final Excavation
June 2013

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (mg/kg)
		<i>NMOCD Action Level*</i>	<i>100</i>	<i>100</i>
S-1	6/20/13	4	2,256	18,700
S-2	6/20/13	4	2,400	13,500
S-3	6/20/13	4	2,367	11,100
SC-1	6/27/13	1 to 10	4.4	144
SC-2	6/27/13	1 to 10	2.6	187
SC-3	6/27/13	10	338	349
SC-4	6/27/13	1 to 10	0.5	115
SC-5	6/27/13	8	1.2	113
SC-6	6/27/13	1 to 8	1.3	132
SC-7	6/27/13	1 to 8	1.7	101

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

Laboratory analyses for SC-1 through SC-7 were used to confirm field screening results during excavation activities. Benzene and total BTEX concentrations in SC-3 were reported below laboratory detection limits of 0.12 mg/kg and 1.12 mg/kg, respectively. TPH concentrations as GRO/DRO ranged from below laboratory detection limits up to 12 mg/kg DRO in SC-3. Results are presented in Table 2 and on Figure 4. The laboratory analytical report is attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH
Omler A #1 Final Excavation, June 2013

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)
		<i>NMOCD Action Level*</i>	<i>10</i>	<i>50</i>	<i>100</i>	
SC-1	6/27/13	1 to 10	NA	NA	<5.0	<10
SC-2	6/27/13	1 to 10	NA	NA	<5.0	<9.9
SC-3	6/27/13	10	<0.12	<1.12	<25	12
SC-4	6/27/13	1 to 10	NA	NA	<5.0	<10

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>Benzene (mg/kg)</i>	<i>Total BTEX (mg/kg)</i>	<i>GRO (mg/kg)</i>	<i>DRO (mg/kg)</i>
NMOCD Action Level*			10	50	100	
SC-5	6/27/13	8	NA	NA	<5.0	<9.9
SC-6	6/27/13	1 to 8	NA	NA	<5.0	<10
SC-7	6/27/13	1 to 8	NA	NA	<5.0	<10

*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993); NA = not analyzed

3.0 Conclusions and Recommendations

On June 20, 2013, AES conducted an initial assessment of petroleum contaminated soils associated with a produced water release at the Omler A #1. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 40. Field screening results above the NMOCD action level of 100 ppm VOCs were reported in each sample, with the highest VOC concentration reported in S-2 (2,400 ppm). Field screening results also showed TPH concentrations above the NMOCD action level of 100 mg/kg in each sample, with the highest TPH concentration reported in S-1 (18,700 mg/kg).

On June 27, 2013, final assessment of the excavation area was completed. Field screening results of the excavation extents showed that VOC concentrations were below applicable NMOCD action levels for all of the final four walls of the excavation. The southern base of the excavation (SC-3) exceeded the NMOCD action level of 100 ppm for VOCs with 338 ppm. Field TPH concentrations above the applicable NMOCD action level of 100 mg/kg were reported in each sample, with the highest concentration reported in SC-3 with 349 mg/kg. Laboratory analytical results reported benzene and total BTEX concentrations in SC-3 below NMOCD action levels. TPH concentrations (as GRO/DRO) were reported below the applicable NMOCD action level of 100 mg/kg in SC-1 through SC-7.

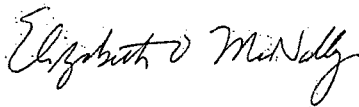
Based on final field screening and laboratory analytical results of the excavation of petroleum contaminated soils at the Omler A #1, benzene, total BTEX, VOC, and TPH concentrations were below applicable NMOCD action levels for each of the sidewalls and base of the excavation. No further work is recommended.

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

Sincerely,



Landrea Cupps
Environmental Scientist

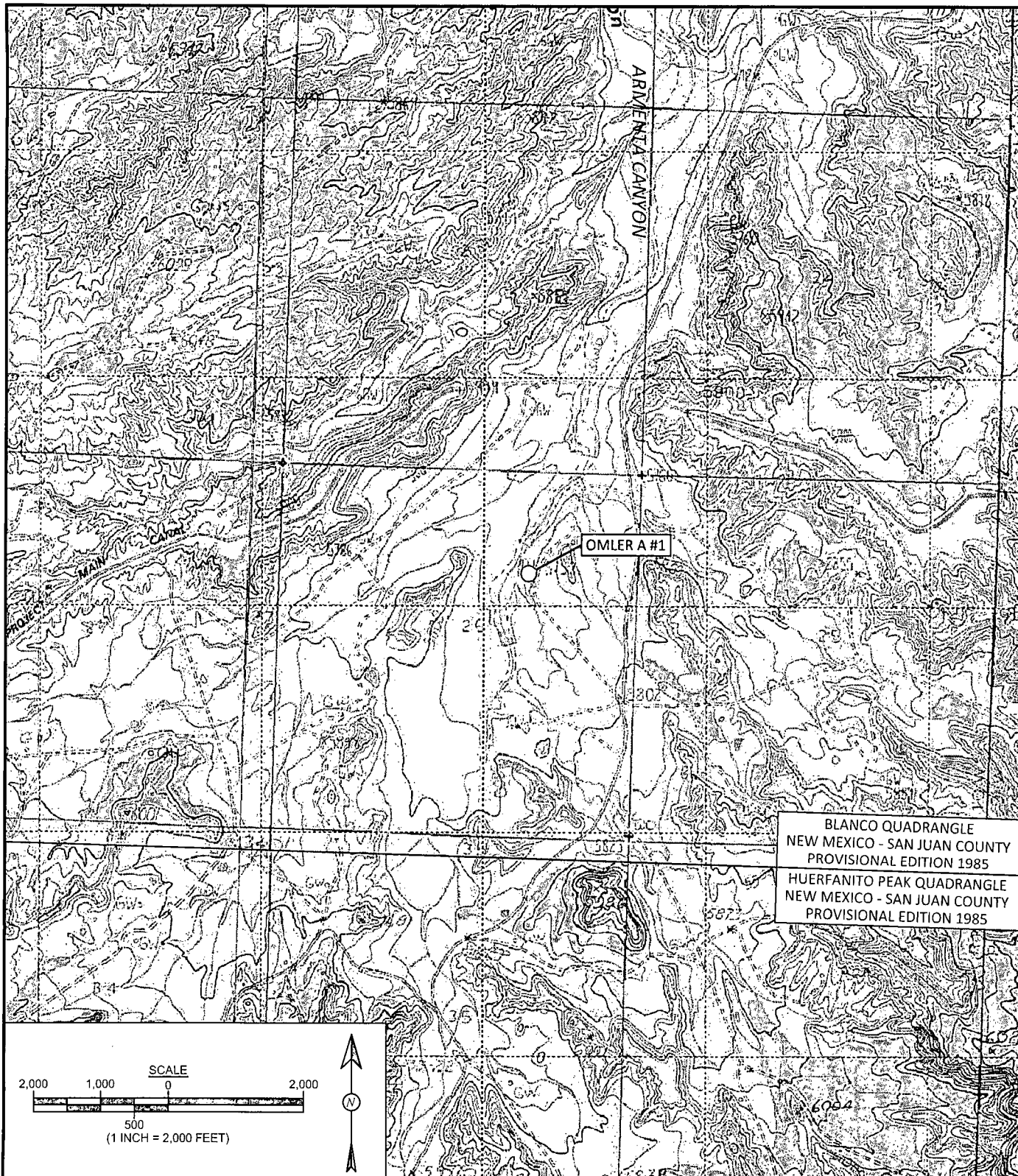


Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, June 2013
- Figure 3. Initial Assessment Sample Locations and Results, June 2013
- Figure 4. Final Excavation Sample Locations and Results, June 2013
- AES Field Screening Report 062013
- AES Field Screening Report 062713
- Hall Laboratory Analytical Report 1306C08

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\Omler A #1\CoP Omler A #1 Initial Release Assessment and Final Excavation Report 091613.docx



Animas Environmental Services, LLC

DRAWN BY:
C. Lameman

DATE DRAWN:
June 20, 2013

REVISIONS BY:
C. Lameman

DATE REVISED:
June 20, 2013

CHECKED BY:
D. Watson

DATE CHECKED:
June 20, 2013

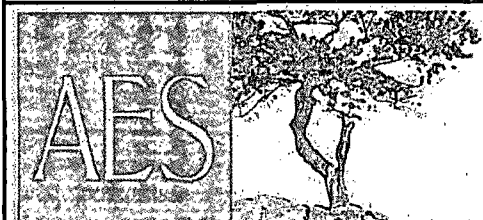
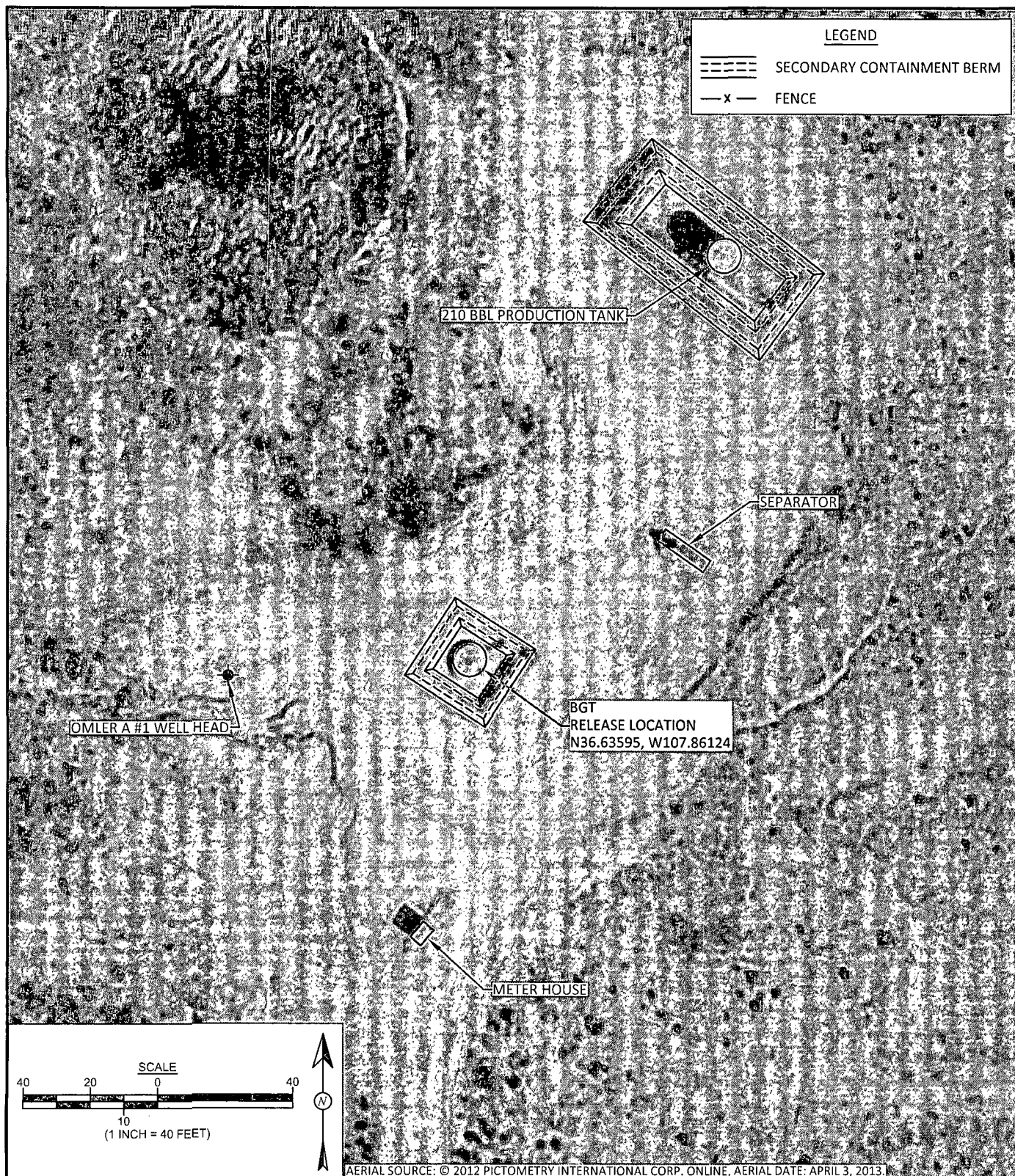
APPROVED BY:
E. McNally

DATE APPROVED:
June 20, 2013

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP

ConocoPhillips
OMLER A #1
SW¼ NE¼, SECTION 26, T28N, R10W
SAN JUAN COUNTY, NEW MEXICO
N36.63594, W107.86148



Animas Environmental Services, LLC

DRAWN BY:

C. Lameman

DATE DRAWN:

June 21, 2013

REVISIONS BY:

C. Lameman

DATE REVISED:

June 21, 2013

CHECKED BY:

D. Watson

DATE CHECKED:

June 21, 2013

APPROVED BY:

E. McNally

DATE APPROVED:

June 21, 2013

FIGURE 2

**AERIAL SITE MAP
JUNE 2013**

ConocoPhillips

OMLER A #1

SW $\frac{1}{4}$ NE $\frac{1}{4}$, SECTION 26, T28N, R10W
SAN JUAN COUNTY, NEW MEXICO
N36.63594, W107.86148

Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	100
S-1	6/20/13	4	2,256	18,700
S-2	6/20/13	4	2,400	13,500
S-3	6/20/13	4	2,367	11,100

OMLER A #1 WELL HEAD


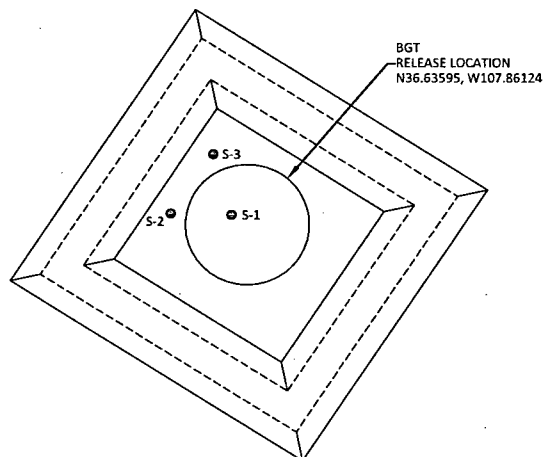



FIGURE 3

**INITIAL ASSESSMENT SAMPLE
LOCATIONS AND RESULTS
JUNE 2013**
ConocoPhillips
OMLER A #1
SW¼ NE¼, SECTION 26, T28N, R10W
SAN JUAN COUNTY, NEW MEXICO
N36.63594, W107.86148

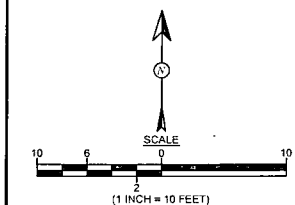


Animas Environmental Services, LLC

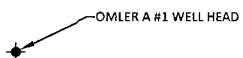
DRAWN BY: C. Lameman	DATE DRAWN: June 20, 2013
REVISIONS BY: C. Lameman	DATE REVISED: June 20, 2013
CHECKED BY: D. Watson	DATE CHECKED: June 20, 2013
APPROVED BY: E. McNally	DATE APPROVED: June 20, 2013

LEGEND

- SAMPLE LOCATIONS
- ===== SECONDARY CONTAINMENT BERM



Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	100
SC-1	6/27/13	1 to 10	4.4	144
SC-2	6/27/13	1 to 10	2.6	187
SC-3	6/27/13	10	338	349
SC-4	6/27/13	1 to 10	0.5	115
SC-5	6/27/13	8	1.2	113
SC-6	6/27/13	1 to 8	1.3	132
SC-7	6/27/13	1 to 8	1.7	101



Laboratory Analytical Results						
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
NMOCD ACTION LEVEL			10	50	100	
SC-1	6/27/13	1 to 10	NA	NA	<5.0	<10
SC-2	6/27/13	1 to 10	NA	NA	<5.0	<9.9
SC-3	6/27/13	10	<0.12	<1.12	<25	12
SC-4	6/27/13	1 to 10	NA	NA	<5.0	<10
SC-5	6/27/13	8	NA	NA	<5.0	<9.9
SC-6	6/27/13	1 to 8	NA	NA	<5.0	<10
SC-7	6/27/13	1 to 8	NA	NA	<5.0	<10

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND 8015D.
NA - NOT ANALYZED

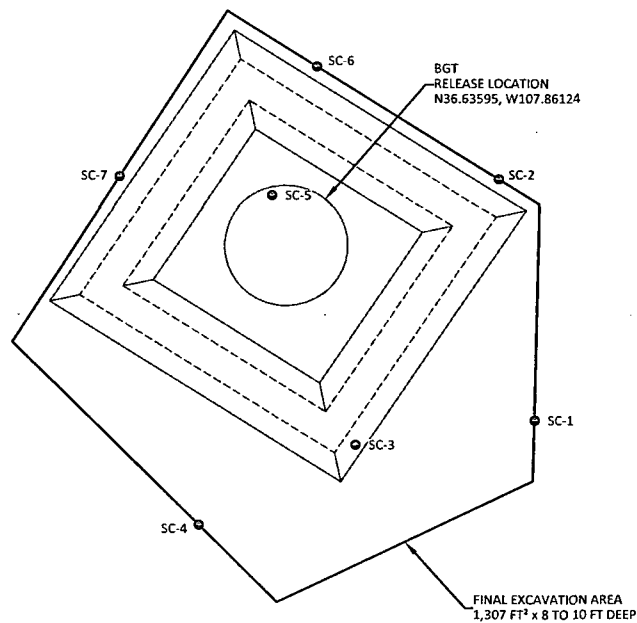


FIGURE 4

FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS JUNE 2013
ConocoPhillips
OMLER A #1
SW¼ NE¼, SECTION 26, T28N, R10W
SAN JUAN COUNTY, NEW MEXICO
N36.63594, W107.86148

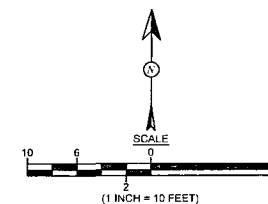


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: July 10, 2013
REVISIONS BY: C. Lameman	DATE REVISED: July 10, 2013
CHECKED BY: D. Watson	DATE CHECKED: July 10, 2013
APPROVED BY: E. McNally	DATE APPROVED: July 10, 2013

LEGEND

- SAMPLE LOCATIONS
- ===== SECONDARY CONTAINMENT BERM



AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

Client: ConocoPhillips

Project Location: Omler A #1

Date: 6/20/2013

Matrix: Soil

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
S-1	6/20/2013	12:42	Center Base	2,256	14:27	18,700	1,000	10	HMW
S-2	6/20/2013	12:44	SW Corner	2,400	14:41	13,500	100	1	HMW
S-3	6/20/2013	12:46	NW Corner	2,367	14:44	11,100	100	1	HMW

PQL Practical Quantitation Limit

ND Not Detected at the Reporting Limit

DF Dilution Factor

Total Petroleum Hydrocarbons - USEPA 418.1

**Field TPH concentrations recorded may be below PQL.*

Analyst:

Heather M. Woods

AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3084

Client: ConocoPhillips

Project Location: Omler A #1

Date: 6/27/2013

Matrix: Soil

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
SC-1	6/27/2013	16:03	South Wall	4.4	16:16	144	20.0	1	HMW
SC-2	6/27/2013	13:54	East Wall (South)	2.6	15:27	187	20.0	1	HMW
SC-3	6/27/2013	13:57	South Base	338	15:30	349	40.0	1	HMW
SC-4	6/27/2013	14:00	West Wall	0.5	15:32	115	20.0	1	HMW
SC-5	6/27/2013	14:23	North Base	1.2	15:35	113	20.0	1	HMW
SC-6	6/27/2013	14:27	East Wall (North)	1.3	15:40	132	20.0	1	HMW
SC-7	6/27/2013	14:30	North Wall	1.7	15:42	101	20.0	1	HMW

PQL Practical Quantitation Limit
ND Not Detected at the Reporting Limit
NA Not Analyzed
DF Dilution Factor

Total Petroleum Hydrocarbons - USEPA 418.1

**Field TPH concentrations recorded may be below PQL.*

Analyst:

Heather M. Woods



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

July 08, 2013

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

RE: COP Omler A #1

OrderNo.: 1306C08

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 7 sample(s) on 6/28/2013 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued July 01, 2013.

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. 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,

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

Analytical Report

Lab Order 1306C08

Date Reported: 7/8/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SC-1**Project:** COP Omler A #1**Collection Date:** 6/27/2013 4:03:00 PM**Lab ID:** 1306C08-001**Matrix:** SOIL**Received Date:** 6/28/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: GSA
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/29/2013 11:39:01 AM	8165
Surr: DNOP	98.8	63-147		%REC	1	6/29/2013 11:39:01 AM	8165
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/29/2013 3:58:43 PM	R11656
Surr: BFB	89.2	80-120		%REC	1	6/29/2013 3:58:43 PM	R11656

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 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Analytical Report

Lab Order 1306C08

Date Reported: 7/8/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SC-2**Project:** COP Omler A #1**Collection Date:** 6/27/2013 1:54:00 PM**Lab ID:** 1306C08-002**Matrix:** SOIL**Received Date:** 6/28/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: GSA
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/29/2013 1:09:58 PM	8165
Surr: DNOP	98.4	63-147		%REC	1	6/29/2013 1:09:58 PM	8165
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/29/2013 5:29:25 PM	R11656
Surr: BFB	90.3	80-120		%REC	1	6/29/2013 5:29:25 PM	R11656

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 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1306C08

Date Reported: 7/8/2013

CLIENT: Animas Environmental**Client Sample ID:** SC-3**Project:** COP Omler A #1**Collection Date:** 6/27/2013 1:57:00 PM**Lab ID:** 1306C08-003**Matrix:** SOIL**Received Date:** 6/28/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: GSA
Diesel Range Organics (DRO)	12	10		mg/Kg	1	6/29/2013 1:40:06 PM	8165
Surr: DNOP	97.5	63-147		%REC	1	6/29/2013 1:40:06 PM	8165
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	6/29/2013 7:00:21 PM	R11656
Surr: BFB	115	80-120		%REC	5	6/29/2013 7:00:21 PM	R11656
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	6/29/2013 7:00:21 PM	R11656
Toluene	ND	0.25		mg/Kg	5	6/29/2013 7:00:21 PM	R11656
Ethylbenzene	ND	0.25		mg/Kg	5	6/29/2013 7:00:21 PM	R11656
Xylenes, Total	ND	0.50		mg/Kg	5	6/29/2013 7:00:21 PM	R11656
Surr: 4-Bromofluorobenzene	111	80-120		%REC	5	6/29/2013 7:00:21 PM	R11656

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 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Analytical Report

Lab Order 1306C08

Date Reported: 7/8/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SC-4**Project:** COP Omler A #1**Collection Date:** 6/27/2013 2:00:00 PM**Lab ID:** 1306C08-004**Matrix:** SOIL**Received Date:** 6/28/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/28/2013 12:25:22 PM	8150
Surr: DNOP	119	63-147		%REC	1	6/28/2013 12:25:22 PM	8150
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/28/2013 11:32:58 AM	R11638
Surr: BFB	89.1	80-120		%REC	1	6/28/2013 11:32:58 AM	R11638

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 for VOA and TOC only.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit

Analytical Report

Lab Order 1306C08

Date Reported: 7/8/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SC-5**Project:** COP Omler A #1**Collection Date:** 6/27/2013 2:23:00 PM**Lab ID:** 1306C08-005**Matrix:** SOIL**Received Date:** 6/28/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/28/2013 12:47:11 PM	8150
Surr: DNOP	104	63-147		%REC	1	6/28/2013 12:47:11 PM	8150
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/28/2013 12:03:20 PM	R11638
Surr: BFB	88.9	80-120		%REC	1	6/28/2013 12:03:20 PM	R11638

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 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-6

Project: COP Omler A #1

Collection Date: 6/27/2013 2:27:00 PM

Lab ID: 1306C08-006

Matrix: SOIL

Received Date: 6/28/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: GSA
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/29/2013 2:10:11 PM	8165
Surr: DNOP	96.8	63-147		%REC	1	6/29/2013 2:10:11 PM	8165
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/29/2013 8:31:16 PM	R11656
Surr: BFB	89.4	80-120		%REC	1	6/29/2013 8:31:16 PM	R11656

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 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Analytical Report

Lab Order 1306C08

Date Reported: 7/8/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SC-7**Project:** COP Omler A #1**Collection Date:** 6/27/2013 2:30:00 PM**Lab ID:** 1306C08-007**Matrix:** SOIL**Received Date:** 6/28/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/28/2013 1:08:55 PM	8150
Surr: DNOP	104	63-147		%REC	1	6/28/2013 1:08:55 PM	8150
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/28/2013 12:33:30 PM	R11638
Surr: BFB	88.8	80-120		%REC	1	6/28/2013 12:33:30 PM	R11638

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 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1306C08

08-Jul-13

Client: Animas Environmental

Project: COP Omler A #1

Sample ID	MB-8150		SampType: MBLK		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS		Batch ID: 8150		RunNo: 11622					
Prep Date:	6/28/2013		Analysis Date: 6/28/2013		SeqNo: 330163		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	11		10.00		107	63	147			

Sample ID	LCS-8150		SampType: LCS		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 8150		RunNo: 11622					
Prep Date:	6/28/2013		Analysis Date: 6/28/2013		SeqNo: 330219		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	115	77.1	128			
Surr: DNOP	5.7		5.000		114	63	147			

Sample ID	1306C08-007AMS		SampType: MS		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	SC-7		Batch ID: 8150		RunNo: 11622					
Prep Date:	6/28/2013		Analysis Date: 6/28/2013		SeqNo: 330331		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	49.80	0	97.6	61.3	138			
Surr: DNOP	5.3		4.980		106	63	147			

Sample ID	1306C08-007AMSD		SampType:	MSD		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	SC-7		Batch ID:	8150		RunNo:	11622				
Prep Date:	6/28/2013		Analysis Date:	6/28/2013		SeqNo:	330332		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	50	9.9	49.55	0	101	61.3	138	2.97	20		
Surr: DNOP	5.3		4.955		107	63	147	0	0		

Sample ID	MB-8165		SampType:	MBLK		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	8165		RunNo:	11648				
Prep Date:	6/29/2013		Analysis Date:	6/29/2013		SeqNo:	330452		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Surr: DNOP	8.3		10.00		83.2	63	147				

Sample ID	LCS-8165		SampType:	LCS		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	8165		RunNo:	11648				
Prep Date:	6/29/2013		Analysis Date:	6/29/2013		SeqNo:	330453		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	47	10	50.00	0	93.1	77.1	128				

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 for VOA and TOC only. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1306C08

08-Jul-13

Client: Animas Environmental

Project: COP Omler A #1

Sample ID	LCS-8165		SampType: LCS		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 8165		RunNo: 11648					
Prep Date:	6/29/2013		Analysis Date: 6/29/2013		SeqNo: 330453		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		92.3	63	147			

Sample ID	1306C08-001AMS			SampType:	MS		TestCode:	EPA Method 8015D: Diesel Range Organics			
Client ID:	SC-1			Batch ID:	8165		RunNo:	11648			
Prep Date:	6/29/2013			Analysis Date:	6/29/2013		SeqNo:	330742		Units:	mg/Kg
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	52	10	50.45	0	103	61.3	138				
Surr: DNOP	5.2		5.045		103	63	147				

Sample ID	1306C08-001AMSD			SampType:	MSD		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	SC-1			Batch ID:	8165		RunNo:	11648				
Prep Date:	6/29/2013			Analysis Date:	6/29/2013		SeqNo:	330743			Units:	mg/Kg
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	53	9.9	49.65	0	106	61.3	138	1.32	20			
Surr: DNOP	5.1		4.965		103	63	147	0	0			

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

- 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 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1306C08

08-Jul-13

Client: Animas Environmental

Project: COP Omler A #1

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R11656	RunNo:	11656					
Prep Date:		Analysis Date:	6/29/2013	SeqNo:	330656	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	920		1000		92.4	80	120			

Sample ID	2.5UG GRO LCS	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R11656	RunNo:	11656					
Prep Date:		Analysis Date:	6/29/2013	SeqNo:	330657	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.2	62.6	136			
Surr: BFB	980		1000		98.3	80	120			

Sample ID	1306C08-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-1	Batch ID:	R11656	RunNo:	11656					
Prep Date:		Analysis Date:	6/29/2013	SeqNo:	330659	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	15	5.0	15.91	0	93.3	76	156			
Surr: BFB	620		636.5		96.7	80	120			

Sample ID	1306C08-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-1	Batch ID:	R11656	RunNo:	11656					
Prep Date:		Analysis Date:	6/29/2013	SeqNo:	330660	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	5.0	15.91	0	103	76	156	9.94	17.7	
Surr: BFB	630		636.5		98.2	80	120	0	0	

Sample ID	MB-8141	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R11638	RunNo:	11638					
Prep Date:	6/27/2013	Analysis Date:	6/28/2013	SeqNo:	330852	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	880		1000		88.4	80	120			

Sample ID	LCS-8141	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R11638	RunNo:	11638					
Prep Date:	6/27/2013	Analysis Date:	6/28/2013	SeqNo:	330853	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	114	62.6	136			

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

- 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 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1306C08

08-Jul-13

Client: Animas Environmental

Project: COP Omler A #1

Sample ID	LCS-8141	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R11638	RunNo:	11638					
Prep Date:	6/27/2013	Analysis Date:	6/28/2013	SeqNo:	330853	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		97.4	80	120			

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

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 for VOA and TOC only.
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1306C08

08-Jul-13

Client: Animas Environmental

Project: COP Omler A #1

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R11656	RunNo:	11656					
Prep Date:		Analysis Date:	6/29/2013	SeqNo:	330668	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
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	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R11656	RunNo:	11656					
Prep Date:		Analysis Date:	6/29/2013	SeqNo:	330669	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	103	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	1.1		1.000		113	80	120			

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

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 for VOA and TOC only.
RL Reporting Detection Limit

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1306C08

RcptNo: 1

Received by/date:

AF 06/28/13

Logged By: Anne Thorne

6/28/2013 10:00:00 AM

Anne Thorne

Completed By: Anne Thorne

6/28/2013

Anne Thorne

Reviewed By:

AF 06/28/13

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?
(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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

