

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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 in  
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>Ashley Maxwell</b>
Address: <b>3401 E. 30<sup>th</sup> St., Farmington, NM 87402</b>	Telephone No. <b>505-324-5169</b>
Facility Name: <b>Lucerne B 1</b>	Facility Type: <b>Gas Well</b>

Surface Owner: <b>Federal</b>	Mineral Owner: <b>Federal</b>	API No.: <b>3004507450</b> Lease # <b>NM-010063</b>
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<b>I</b>	<b>17</b>	<b>28N</b>	<b>11W</b>	<b>1660'</b>	<b>South</b>	<b>1090'</b>	<b>East</b>	<b>San Juan</b>

Latitude 36.659408 Longitude -108.02129

**NATURE OF RELEASE**

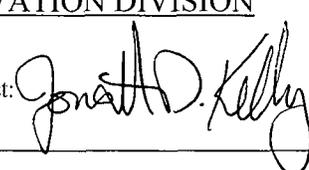
Type of Release: <b>Produced Water</b>	Volume of Release <b>17 BBL</b>	Volume Recovered - <b>0-</b>
Source of Release: <b>Production Pit</b>	Date and Hour of Occurrence: <b>6/7/2012 @ 10:40 AM</b>	Date and Hour of Discovery <b>6/8/2012 @ 9:00 AM</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>Brandon Powell - NMOCD</b> <b>Mark Kelly - BLM FFO</b>	<b>RCVD DEC 6 '12</b> <b>OIL CONS. DIV.</b> <b>DIST. 3</b>
By Whom?	Date and Hour: <b>NMOCD - 6/11/2012 @ 6:21 AM</b> <b>BLM FFO - 6/11/2012 @ 6:23 AM</b>	
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.\*

Describe Cause of Problem and Remedial Action Taken.\*  
A hole in the production pit caused the release of 17 BBL produced water. The fluid was contained within the berm with 0 BBL recovered.

Describe Area Affected and Cleanup Action Taken.\*  
Production pit will be replaced. ConocoPhillips Company will assess the soil to determine further action, if needed.  
**Confirmation soil sampling has taken place. Analytical results for 8015, 8021 and chlorides are below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Release; therefore no further action is required.**

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>Ashley Maxwell</b>	Approved by Environmental Specialist: 	
Title: <b>Field Environmental Specialist</b>	Approval Date: <b>2/11/2013</b>	Expiration Date:
E-mail Address: <b>ashley.p.wethington@conocophillips.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>October 22, 2012</b> Phone: <b>505-324-5169</b>		

\* Attach Additional Sheets If Necessary

*NJK 13042142654*



November 29, 2012

Animas Environmental Services, LLC

www.animasenvironmental.com

Ashley Maxwell  
ConocoPhillips  
San Juan Business Unit  
Office 216-2  
5525 Hwy 64  
Farmington, New Mexico 87401

624-E-Gomanche  
Farmington, NM-87401  
505-564-2281

Durango, Colorado  
970-403-3274

**RE: Produced Water Release Report  
Lucerne B#1  
San Juan County, New Mexico**

**RCVD DEC 6 '12  
OIL CON. DIV.  
DIST. 3**

Dear Ms. Maxwell:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the 17 barrel (bbl) produced water release at the ConocoPhillips (CoP) Lucerne B#1, located in San Juan County, New Mexico. The release remained within the below grade tank secondary containment berm.

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## 1.0 Site Information

### 1.1 Location

Site Name – Lucerne B#1

Legal Description – NE¼ SE¼, Section 17, T28N, R11W, San Juan County, New Mexico

Well Latitude/Longitude – N36.65952 and W108.02167, respectively

Release Latitude/Longitude – N36.65941 and W108.02129, respectively

Land Jurisdiction – Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, August 2012

### 1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and no prior ranking information was located. The New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby water wells, and no registered water wells were reported to be located within 1,000 feet of the location. Additionally, Google Earth and the New Mexico Tech Petroleum Recovery Research Center online mapping tool (<http://ford.nmt.edu/react/project.html>) were accessed to aid in the identification of downgradient surface water.

Once on site, AES personnel further assessed the ranking using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. AES personnel concluded that depth to groundwater at the site was greater than 100 feet below ground surface (bgs). A small ephemeral wash is located approximately 115 feet west of the location. Based on this information, the location was assessed a ranking score of 20 per NMOCD *Guidelines for Leaks, Spills, and Releases* (August 1993).

### 1.3 Produced Water Release Information

AES was initially contacted by Ashley Maxwell, CoP representative, on August 21, 2012, and on October 2, 2012, Heather Woods of AES traveled to the location. AES personnel collected one 5-point composite soil sample at the surface of release for laboratory analysis.

## 2.0 Soil Sampling

On October 2, 2012, AES personnel collected one 5-point composite soil sample from approximately 0.25 feet bgs within the secondary containment berm. Soil sample SC-1 was submitted for confirmation laboratory analysis. Soil sample locations are included on Figure 2.

### 2.1 Laboratory Analyses

The composite soil sample SC-1 collected for laboratory analysis was placed into a new, clean, laboratory-supplied container, which was then labeled, placed on ice, and logged onto a sample chain of custody record. The sample was maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. Soil sample SC-1 was laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B;
- Total petroleum hydrocarbons (TPH) for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015B;
- Chloride per USEPA Method 300.0.

### 2.2 Laboratory Analytical Results

Laboratory analytical results reported benzene and total BTEX concentrations in SC-1 below the laboratory detection limits of 0.048 mg/kg and 0.24 mg/kg, respectively. TPH concentrations were reported less than 4.8 mg/kg GRO and less than 10 mg/kg DRO. The laboratory chloride concentration was reported at 81 mg/kg. Laboratory analytical

results are summarized in Table 1 and included on Figure 2. Laboratory analytical reports are attached.

Table 1. Soil Laboratory Analytical Results  
Lucerne B #1 Produced Water Release, August 2012

Sample ID	Date Sampled	Depth (ft)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Chlorides (mg/kg)
<b>NMOCD Action Level</b>			<b>10</b>	<b>50</b>	<b>100*</b>		<b>250</b>
SC-1	10/2/12	Surface	<0.048	<0.24	<4.8	<10	81

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

### 3.0 Conclusions and Recommendations

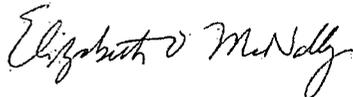
NMOCD action levels for releases are specified in *NMOCD's Guidelines for Leaks, Spills, and Releases* (August 1993), and the release was assigned a ranking score of 20. Benzene and total BTEX concentrations in SC-1 were below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. TPH concentrations as GRO/DRO were reported below the NMOCD action level of 100 mg/kg, and the chloride concentration was reported below the NMOCD action level of 250 mg/kg with 81 mg/kg.

Based on laboratory analytical results for benzene, total BTEX, TPH, and chlorides, 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,



Kelsey Christiansen  
Environmental Scientist



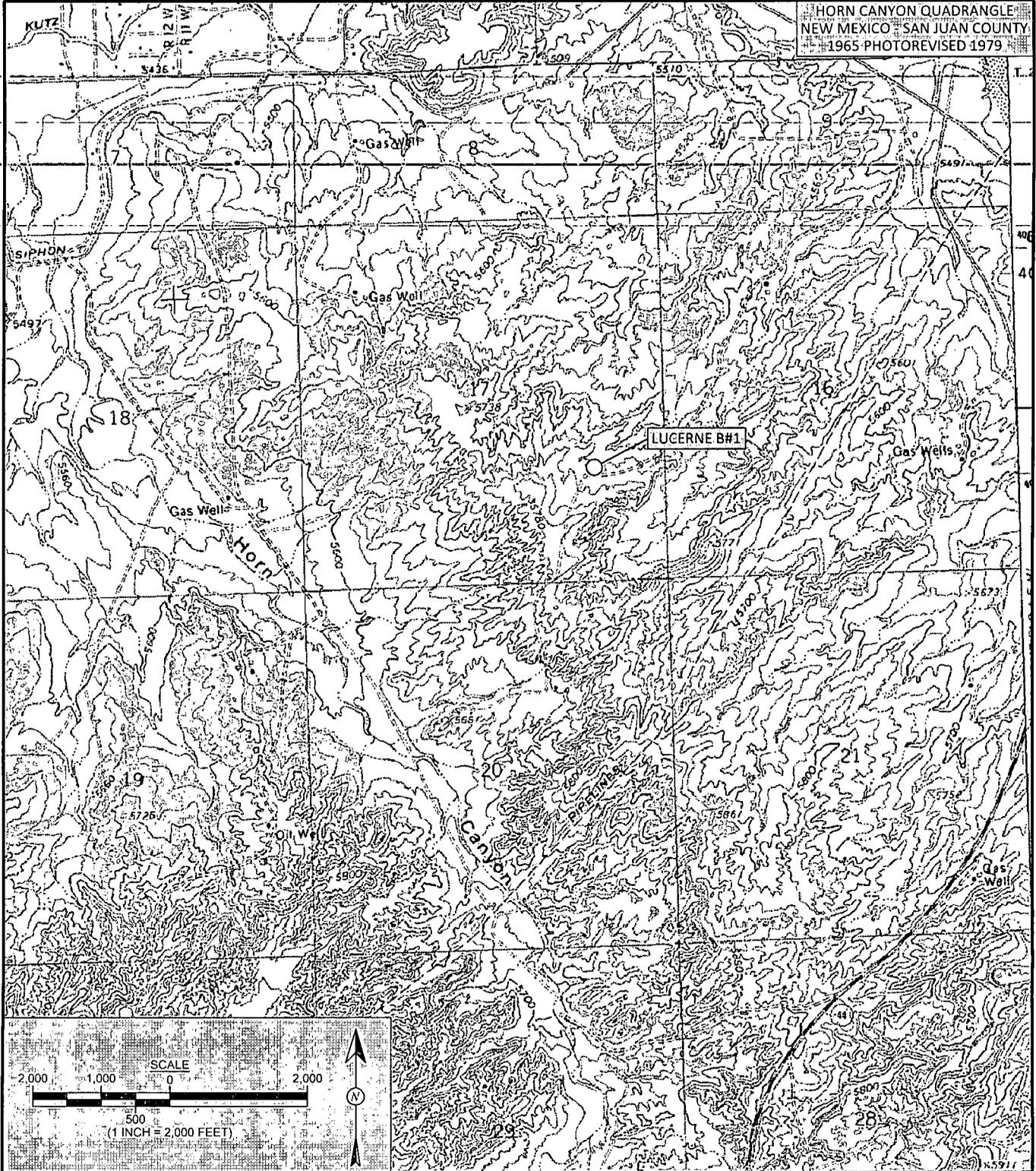
Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map  
Figure 2. Aerial Site Map, October 2012  
Hall Analytical Report 1210264

R:\Animas 2000\2012 Projects\Conoco Phillips\Lucerne B#1\Lucerne B#1 Assessment Report 112912.docx

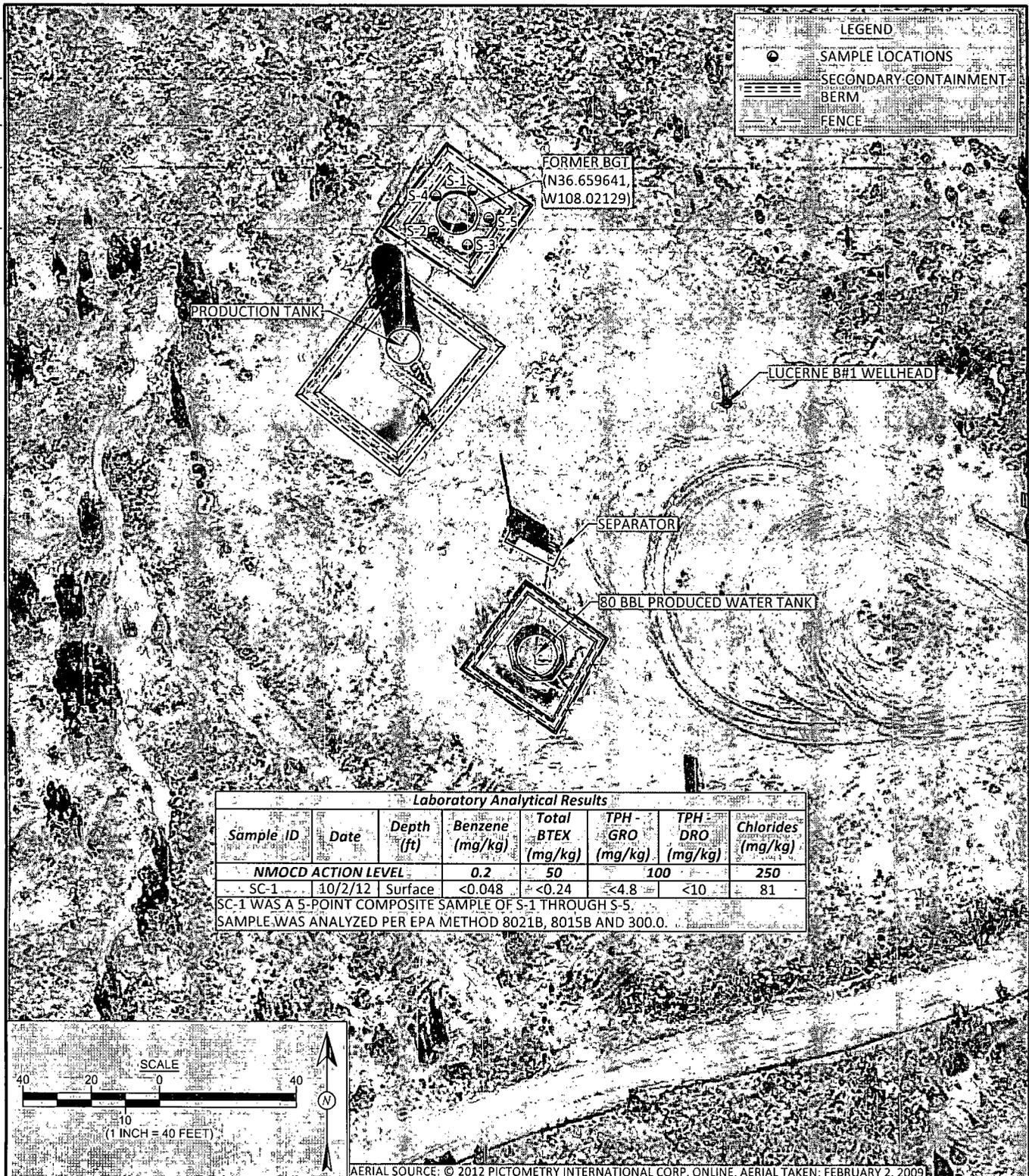
HORN CANYON QUADRANGLE  
 NEW MEXICO - SAN JUAN COUNTY  
 1965 PHOTO REVISÉD 1979



<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> September 7, 2012
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> September 7, 2012
<b>CHECKED BY:</b> D. Watson	<b>DATE CHECKED:</b> September 7, 2012
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> September 7, 2012

**FIGURE 1**

**SAMPLE LOCATIONS AND RESULTS**  
**AUGUST 2012**  
 ConocoPhillips  
 LUCERNE B#1  
 SAN JUAN COUNTY, NEW MEXICO  
 NE¼ SE¼, SECTION 17, T28N, R11W  
 N36.65952, W108.02167



<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> September 10, 2012
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> September 10, 2012
<b>CHECKED BY:</b> D. Watson	<b>DATE CHECKED:</b> September 10, 2012
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> September 10, 2012

**FIGURE 2**  
**AERIAL SITE MAP**  
**SAMPLE LOCATIONS AND RESULTS**  
**AUGUST 2012**  
ConocoPhillips  
LUCERNE B#1  
SAN JUAN COUNTY, NEW MEXICO .  
NE¼ SE¼, SECTION 17, T28N, R11W  
N36.65952, W108.02167



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)

October 19, 2012

Debbie Watson

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

RE: Lucerene B #1

OrderNo.: 1210264

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/3/2012 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. 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. 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.

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 1210264

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/19/2012

CLIENT: Animas Environmental Services

Client Sample ID: SC-1

Project: Lucerene B #1

Collection Date: 10/2/2012 1:30:00 PM

Lab ID: 1210264-001

Matrix: SOIL

Received Date: 10/3/2012 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/5/2012 10:13:37 AM
Surr: DNOP	105	77.6-140		%REC	1	10/5/2012 10:13:37 AM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/6/2012 8:56:06 PM
Surr: BFB	107	84-116		%REC	1	10/6/2012 8:56:06 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	10/6/2012 8:56:06 PM
Toluene	ND	0.048		mg/Kg	1	10/6/2012 8:56:06 PM
Ethylbenzene	ND	0.048		mg/Kg	1	10/6/2012 8:56:06 PM
Xylenes, Total	ND	0.097		mg/Kg	1	10/6/2012 8:56:06 PM
Surr: 4-Bromofluorobenzene	106	80-120		%REC	1	10/6/2012 8:56:06 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: SRM
Chloride	81	30		mg/Kg	20	10/9/2012 8:34:40 PM

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1210264

19-Oct-12

Client: Animas Environmental Services

Project: Lucerene B #1

Sample ID	1210356-001AMS	SampType:	MS	TestCode:	EPA Method 300.0: Anions					
Client ID:	BatchQC	Batch ID:	4204	RunNo:	6099					
Prep Date:	10/9/2012	Analysis Date:	10/9/2012	SeqNo:	175795	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	7.5	15.00	4.533	67.0	64.4	117			

Sample ID	1210356-001AMSD	SampType:	MSD	TestCode:	EPA Method 300.0: Anions					
Client ID:	BatchQC	Batch ID:	4204	RunNo:	6099					
Prep Date:	10/9/2012	Analysis Date:	10/9/2012	SeqNo:	175796	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	7.5	15.00	4.533	66.6	64.4	117	0.453	20	

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

**QC SUMMARY REPORT**  
**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1210264

19-Oct-12

**Client:** Animas Environmental Services

**Project:** Lucerene B #1

Sample ID <b>MB-4114</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015B: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>4114</b>	RunNo: <b>5963</b>								
Prep Date: <b>10/4/2012</b>	Analysis Date: <b>10/4/2012</b>	SeqNo: <b>172078</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.8		10.00		97.8	77.6	140			

Sample ID <b>LCS-4114</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015B: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>4114</b>	RunNo: <b>5963</b>								
Prep Date: <b>10/4/2012</b>	Analysis Date: <b>10/4/2012</b>	SeqNo: <b>172079</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	105	52.6	130			
Surr: DNOP	4.1		5.000		81.3	77.6	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               |
| P Sample pH greater than 2                   | R RPD outside accepted recovery limits               |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1210264

19-Oct-12

Client: Animas Environmental Services

Project: Lucerene B #1

Sample ID <b>MB-4121</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015B: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>4121</b>	RunNo: <b>6045</b>								
Prep Date: <b>10/4/2012</b>	Analysis Date: <b>10/6/2012</b>	SeqNo: <b>174149</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	84	116			

Sample ID <b>LCS-4121</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015B: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>4121</b>	RunNo: <b>6045</b>								
Prep Date: <b>10/4/2012</b>	Analysis Date: <b>10/6/2012</b>	SeqNo: <b>174150</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.1	74	117			
Surr: BFB	1000		1000		102	84	116			

Sample ID <b>5ML RB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015B: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>R6073</b>	RunNo: <b>6073</b>								
Prep Date:	Analysis Date: <b>10/8/2012</b>	SeqNo: <b>175096</b>	Units: <b>%REC</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		101	84	116			

Sample ID <b>2.5UG GRO LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015B: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>R6073</b>	RunNo: <b>6073</b>								
Prep Date:	Analysis Date: <b>10/8/2012</b>	SeqNo: <b>175097</b>	Units: <b>%REC</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		106	84	116			

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1210264

19-Oct-12

Client: Animas Environmental Services

Project: Lucerene B #1

Sample ID	<b>MB-4121</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>4121</b>	RunNo:	<b>6045</b>					
Prep Date:	<b>10/4/2012</b>	Analysis Date:	<b>10/6/2012</b>	SeqNo:	<b>174182</b>	Units:	<b>mg/Kg</b>			
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		110	80	120			

Sample ID	<b>LCS-4121</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>4121</b>	RunNo:	<b>6045</b>					
Prep Date:	<b>10/4/2012</b>	Analysis Date:	<b>10/6/2012</b>	SeqNo:	<b>174183</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	107	76.3	117			
Toluene	1.1	0.050	1.000	0	105	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	77	116			
Xylenes, Total	3.2	0.10	3.000	0	107	76.7	117			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	80	120			

**Qualifiers:**

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1210264

19-Oct-12

**Client:** Animas Environmental Services

**Project:** Lucerene B #1

Sample ID	1210116-001ams	SampType:	MS	TestCode:	EPA Method 8260B: VOLATILES					
Client ID:	BatchQC	Batch ID:	4121	RunNo:	6255					
Prep Date:	10/4/2012	Analysis Date:	10/15/2012	SeqNo:	180313	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.47		0.4907		95.3	70	130			H
Surr: 4-Bromofluorobenzene	0.48		0.4907		98.4	70	130			H
Surr: Dibromofluoromethane	0.45		0.4907		91.0	70	130			H
Surr: Toluene-d8	0.46		0.4907		93.6	70	130			H

**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               |
| P Sample pH greater than 2                   | R RPD outside accepted recovery limits               |



Hall Environmental Analysis Laboratory  
 4901 Hawkins NE  
 Albuquerque, NM 87105  
 TEL: 505-345-3975 FAX: 505-345-4107  
 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: Animas Environmental	Work Order Number: 1210264
Received by/date: <i>AT 10/03/12 0950</i>	
Logged By: Anne Thorne	10/3/2012 9:50:00 AM <i>Ann Thorne</i>
Completed By: Anne Thorne	10/3/2012 <i>Ann Thorne</i>
Reviewed By: <i>TO 10/04/12</i>	

**Chain of Custody**

- 1. Were seals intact? Yes  No  Not Present
- 2. Is Chain of Custody complete? Yes  No  Not Present
- 3. How was the sample delivered? Courier

**Log In**

- 4. Coolers are present? (see 19. for cooler specific information) Yes  No  NA
- 5. Was an attempt made to cool the samples? Yes  No  NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
- 7. Sample(s) in proper container(s)? Yes  No
- 8. Sufficient sample volume for indicated test(s)? Yes  No
- 9. Are samples (except VOA and ONG) properly preserved? Yes  No
- 10. Was preservative added to bottles? Yes  No  NA
- 11. VOA vials have zero headspace? Yes  No  No VOA Vials
- 12. Were any sample containers received broken? Yes  No
- 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes  No
- 14. Are matrices correctly identified on Chain of Custody? Yes  No
- 15. Is it clear what analyses were requested? Yes  No
- 16. 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)**

- 17. Was client notified of all discrepancies with this order? Yes  No  NA

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

18. Additional remarks:

**19. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

