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

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 in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **ConocoPhillips Company**	Contact **Lisa Hunter**
Address **3401 East 30th Street, Farmington, NM**	Telephone No. **505-326-9786**
Facility Name **Hammond WN Federal 7A**	Facility Type **Gas Well**

Surface Owner **BLM**	Mineral Owner **Federal**	API No. **3004523216**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	**35**	**27N**	**8W**	**1650'**	**South**	**990'**	**East**	**San Juan**

Latitude 36.52677 Longitude -107.64695

NATURE OF RELEASE

Type of Release **Produced Water** **Hydrocarbon**	Volume of Release **Produced Water 10.02 BBLs** **Hydrocarbon 2.52 BBLs**	Volume Recovered **0 BBL** **0 BBL**
Source of Release **Production Tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **03-21-2013; 10:00 AM**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

OIL CONS. DIV DIST. 3
JUL 05 2013

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

Describe Cause of Problem and Remedial Action Taken.*
Production tank developed a leak due to a manway gasket causing the release of 10.02 BBLs of Produced Water and 2.52 BBLs of Hydrocarbon. Zero BBLs were recovered. Leak was contained in the Berm.

Describe Area Affected and Cleanup Action Taken.*
ConocoPhillips will replace gasket and will assess the soils to determine further action, if needed. **Excavation was 38' x 48' x 3' Deep. 324 c/yds of soil was transported to IEI Land Farm and 324 c/yds of clean soil was transported from Aztec Machine, 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:	OIL CONSERVATION DIVISION Approved by Environmental Specialist:	
Printed Name: **Lisa Hunter**		
Title: **Field Environmental Specialist**	Approval Date: 8/1/2013	Expiration Date:
E-mail Address: Lisa.Hunter@cop.com	Conditions of Approval:	Attached ☐
Date: **July 01, 2013** Phone: **505-326-9786**		

* Attach Additional Sheets If Necessary

nSK1321333350

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3084

June 7, 2013

Lisa Hunter
ConocoPhillips
San Juan Business Unit
Office 214-4
5525 Hwy 64
Farmington, New Mexico 87401

RE: Initial Release Assessment and Final Excavation Report
Hammond WN Federal #7A
San Juan County, New Mexico

Dear Ms. Hunter:

On March 25, 28, and April 11, 2013, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) Hammond WN Federal #7A, located in San Juan County, New Mexico. The release of approximately 10 barrels (bbls) of produced water and 2.5 bbls of hydrocarbons was reported to be from a failed manway gasket on the production tank at the location. The initial release assessment was completed by AES on March 25, 2013. The final excavation was completed by CoP contractors while AES was on location April 11, 2013.

1.0 Site Information

1.1 Location

Location - NE¼ SE¼, Section 35, T27N, R8W, San Juan County, New Mexico
Well Head Latitude/Longitude - N36.52680 and W107.64756, respectively
Release Location Latitude/Longitude – N36.52695 and W107.64784, respectively
Land Jurisdiction – Bureau of Land Management (BLM)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, March 2013

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 between 50 and 100 feet below ground surface (bgs) based on the elevation differential between the location and nearby wash. An unnamed wash, which ultimately discharges to Cottonwood Canyon, is located approximately 270 feet northwest of the location. Based on this information, the location was assessed a ranking score of 20 per the NMOCD *Guidelines for Leaks, Spills, and Releases* (1993).

1.3 Assessments

AES was initially contacted by Lisa Hunter of CoP on March 25, 2013, and on the same day, Heather Woods and Kelsey Christiansen of AES completed the release assessment field work. The assessment included collection and field screening of 12 soil samples from 7 soil borings (SB-1 through SB-7). Soil borings were terminated between 1 and 1.5 feet at a shale layer. Based on field screening results, AES recommended excavation of the release area. Sampling locations are shown on Figure 3.

On March 28, 2013, AES returned to the location to provide excavation guidance, and AES again returned to the location on April 11, 2013, to collect confirmation soil samples of the excavation. On April 11, 2013, the field screening activities included collection of five confirmation soil samples (SC-1 through SC-5) of the walls and base of the excavation. The area of the final excavation was approximately 1,520 square feet by 4.5 to 5.5 feet in depth. Note that excavation depth was limited by a sandstone layer at 4.5 to 5.5 feet bgs. Sample locations and final excavation extents are shown on Figure 4.

2.0 Soil Sampling

A total of 12 soil samples from soil borings SB-1 through SB-7 and 5 composite samples (SC-1 through SC-5) were collected during the assessments. All soil samples were field screened for volatile organic compounds (VOCs) and selected samples were also field screened for total petroleum hydrocarbons (TPH). Two composite samples (SC-2 and SC-5) were submitted for confirmation laboratory analysis. A sample was also collected for waste characterization.

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 (SC-2 and SC-5) 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 8015B.

2.3 Field Screening and Laboratory Analytical Results

On March 25, 2013, initial assessment field screening results for VOCs via OVM ranged from 0.0 ppm in SB-2 and SB-4 through SB-7 up to 1,889 ppm in SB-1. Field TPH concentrations ranged from 31.7 mg/kg in SB-6 up to greater than 10,000 mg/kg in SB-1.

On April 11, 2013, final excavation field screening results for VOCs via OVM showed concentrations ranging from 3.8 ppm in SC-1 and SC-4 to 15.8 ppm in SC-5. Field TPH concentrations ranged from 24.7 mg/kg in SC-3 up to 209 mg/kg in SC-5. Results are included below in Table 1 and on Figures 3 and 4. The AES Field Screening Reports are attached.

Table 1. Soil Field Screening VOCs and TPH Results
Hammond WN Federal #7A Release Assessment and Final Excavation
March and April 2013

Sample ID	*Date Sampled*	*Sample Depth (ft bgs)*	*VOCs via OVM (ppm)*	*Field TPH (mg/kg)*
NMOCD Action Level*			***100***	***100***
SB-1	3/25/13	0.5	0.0	**124**
		1	**1,889**	**>10,000**
SB-2	3/25/13	0	0.0	NA
		0.5	0.0	NA
SB-3	3/25/13	0.5	**647**	NA
		1.5	**1,491**	**3,260**
SB-4	3/25/13	Surface	0.0	NA
		1	**187**	**2,780**
SB-5	3/25/13	Surface	0.0	41.4
		1	0.0	NA
SB-6	3/25/13	Surface	0.0	31.7
		1	0.0	NA
SB-7	3/25/13	0.5	0.0	58.2
SC-1	4/11/13	1 to 4.5	3.8	91.1
SC-2	4/11/13	1 to 4.5	5.3	**178**
SC-3	4/11/13	1 to 4.5	4.9	24.7
SC-4	4/11/13	1 to 4.5	3.8	27.4
SC-5	4/11/13	5.5	15.8	**209**

NA – Not Analyzed
*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993)

On April 11, 2013, samples SC-2 and SC-5 were submitted for laboratory analysis. TPH concentrations as GRO were reported below the laboratory detection limit of 5.0 mg/kg in each sample. TPH concentrations as DRO were reported at 66 mg/kg (SC-2) and 99 mg/kg (SC-5). Results are presented in Table 2 and on Figure 3. Laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results –TPH (GRO/DRO)
Hammond WN Federal #7A Release Assessment and Final Excavation
March and April 2013

Sample ID	Date Sampled	Sample Depth (ft bgs)	GRO (mg/kg)	DRO (mg/kg)
NMOCD Action Level*			100	
SC-2	4/11/13	1 to 4.5	<5.0	66
SC-5	4/11/13	5.5	<5.0	99

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

3.0 Conclusions and Recommendations

On March 25, 2013, AES conducted an initial assessment of hydrocarbon impacted soils at the Hammond WN Federal #7A. 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 20. Field screening results were above the NMOCD action levels of 100 ppm VOCs and 100 mg/kg TPH in SB-1, SB-3, and SB-4. The highest concentrations were reported in SB-1 with 1,889 ppm VOCs and greater than 10,000 mg/kg TPH. Based on field screening results, AES recommended excavation of hydrocarbon impacted soils at the location, and on March 28, 2013, AES was onsite to provide excavation guidance.

On April 11, 2013, final assessment of the excavation area was completed. Field screening results of the excavation extents showed that VOC and TPH concentrations were below applicable NMOCD action levels, with the exception of TPH concentrations in SC-2 (178 mg/kg) and SC-5 (209 mg/kg). However, laboratory analytical results for TPH as GRO/DRO in SC-2 (south wall) and SC-5 (base) were below the applicable NMOCD action level of 100 mg/kg.

Based on the final field screening and laboratory analytical results of the excavation of petroleum contaminated soils at the Hammond WN Federal #7A, VOCs and TPH concentrations were reported 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,

Landrea R. Cupps

Landrea Cupps
Environmental Scientist

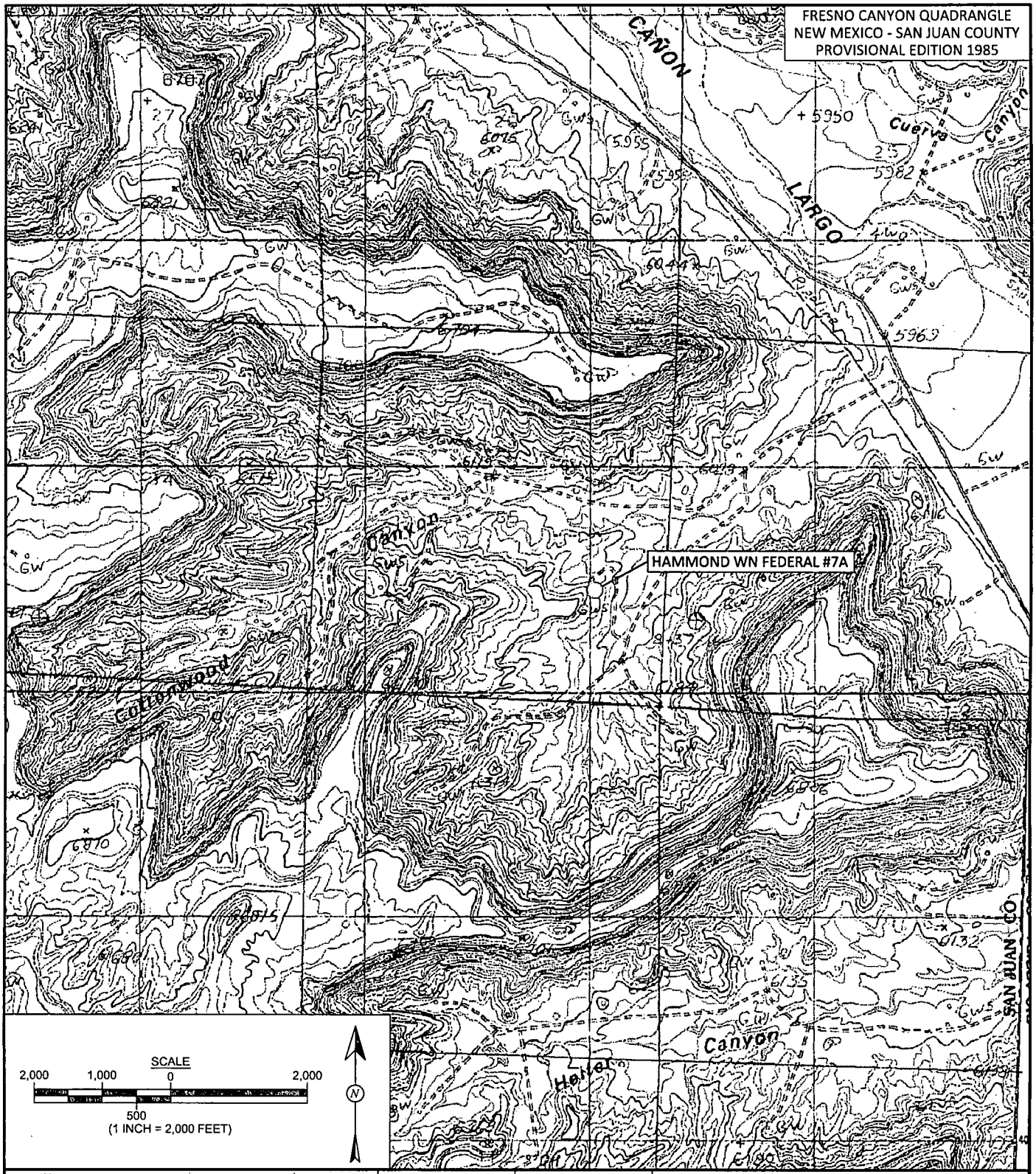
Elizabeth McNally

Elizabeth McNally, PE

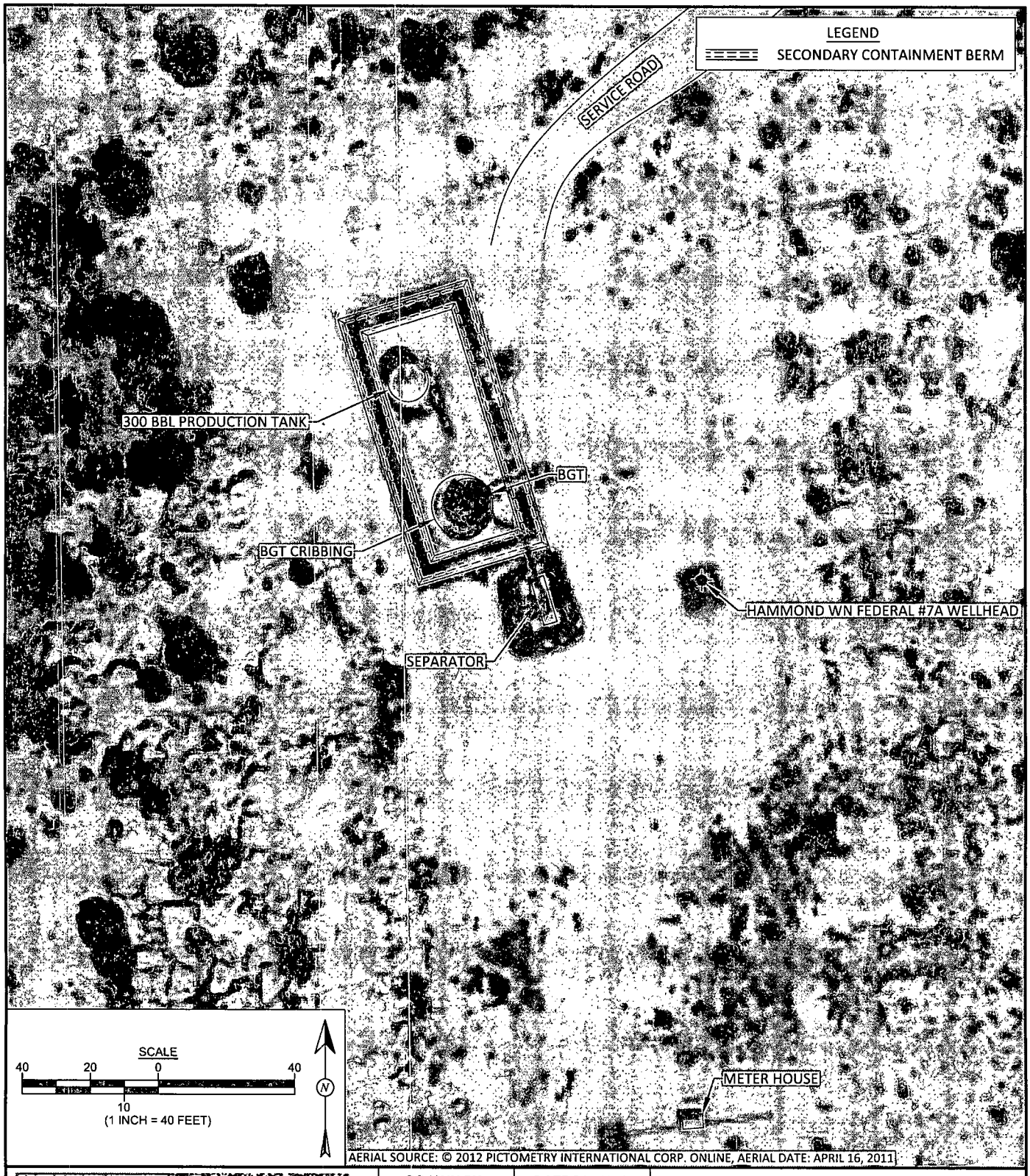
Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, March 2013
Figure 3. Initial Assessment Soil Sample Locations and Results, March 2013
Figure 4. Final Excavation Soil Sample Locations and Results, April 2013
AES Field Screening Report 032513
AES Field Screening Report 041113
Hall Laboratory Analytical Report 1303998 (Waste Characterization)
Hall Laboratory Analytical Report 1304523

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\Hammond WN Fed #7A\Hammond WN Fed #7A Release and Final Excavation Report 060713.docx



Animas Environmental Services, LLC	**DRAWN BY:** C. Lameman	**DATE DRAWN:** April 2, 2013	**FIGURE 1**
	REVISIONS BY: C. Lameman	**DATE REVISED:** April 2, 2013	**TOPOGRAPHIC SITE LOCATION MAP** ConocoPhillips HAMMOND WN FEDERAL #7A NE¼ SE¼, SECTION 35, T27N, R8W SAN JUAN COUNTY, NEW MEXICO N36.52680, W107.64756
	CHECKED BY: D. Watson	**DATE CHECKED:** April 2, 2013	
	APPROVED BY: E. McNally	**DATE APPROVED:** April 2, 2013	

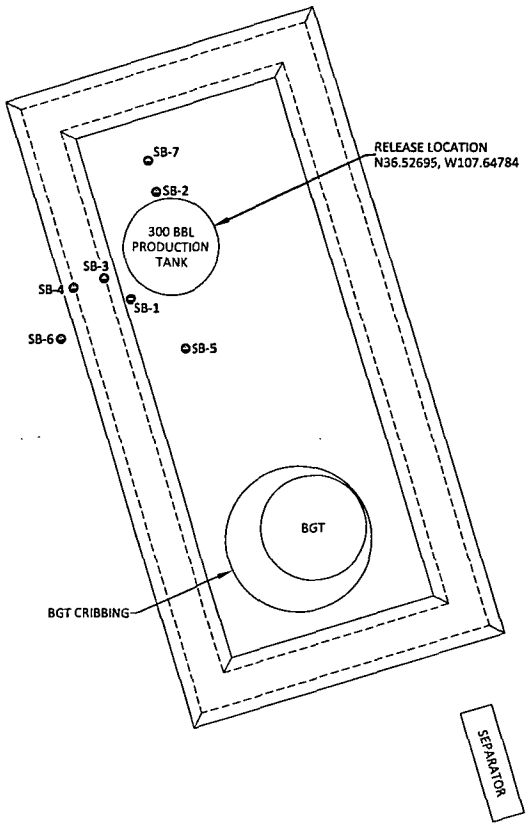


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	**DATE DRAWN:** April 2, 2013	**FIGURE 2**
REVISIONS BY: C. Lameman	**DATE REVISED:** April 2, 2013	**AERIAL SITE MAP MARCH 2013** ConocoPhillips HAMMOND WN FEDERAL #7A NE¼ SE¼, SECTION 35, T27N, R8W SAN JUAN COUNTY, NEW MEXICO N36.52680, W107.64756
CHECKED BY: D. Watson	**DATE CHECKED:** April 2, 2013	
APPROVED BY: E. McNally	**DATE APPROVED:** April 2, 2013	

FIGURE 3

INITIAL ASSESSMENT SAMPLE LOCATIONS AND RESULTS
MARCH 2013
ConocoPhillips
HAMMOND WN FEDERAL #7A
NE¼ SE¼, SECTION 35, T27N, R8W
SAN JUAN COUNTY, NEW MEXICO
N36.52680, W107.64756



Field Screening Results				
Sample ID	*Date*	*Depth (ft)*	*OVM-PID (ppm)*	*TPH (mg/kg)*
NMOCD ACTION LEVEL			*100*	*100*
SB-1	3/25/13	0.5	0.0	**124**
SB-2	3/25/13	Surface	0.0	*NA*
		0.5	0.0	*NA*
SB-3	3/25/13	0.5	**647**	*NA*
		1.5	**1,491**	**3,260**
SB-4	3/25/13	Surface	0.0	*NA*
		1	**187**	**2,780**
SB-5	3/25/13	Surface	0.0	41.4
		1	0.0	*NA*
SB-6	3/25/13	Surface	0.0	31.7
		1	0.0	*NA*
SB-7	3/25/13	0.5	0.0	58.2

NA - NOT ANALYZED

HAMMOND WN FEDERAL #7A WELLHEAD

Animas Environmental Services, LLC

DRAWN BY: C. Lameman	**DATE DRAWN:** April 2, 2013
REVISIONS BY: C. Lameman	**DATE REVISED:** April 2, 2013
CHECKED BY: D. Watson	**DATE CHECKED:** April 2, 2013
APPROVED BY: E. McNally	**DATE APPROVED:** April 2, 2013

LEGEND

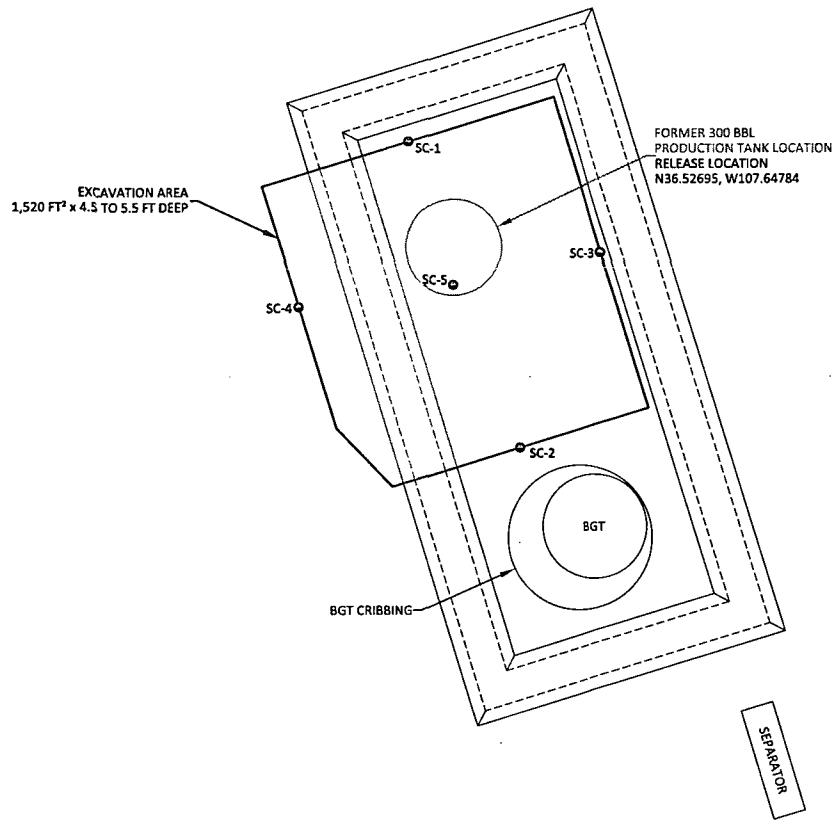
SAMPLE LOCATIONS

SECONDARY CONTAINMENT BERM

SCALE
15 9 0 15
3
(1 INCH = 15 FEET)

FIGURE 4

FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS
APRIL 2013
ConocoPhillips
HAMMOND WN FEDERAL #7A
NE¼ SE¼, SECTION 35, T27N, R8W
SAN JUAN COUNTY, NEW MEXICO
N36.52680, W107.64756



Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	100
SC-1	4/11/13	1 to 4.5	3.8	91.1
SC-2	4/11/13	1 to 4.5	5.3	178
SC-3	4/11/13	1 to 4.5	4.9	24.7
SC-4	4/11/13	1 to 4.5	3.8	27.4
SC-5	4/11/13	5.5	15.8	209
ALL SAMPLES ARE 5-POINT COMPOSITES.				

Laboratory Analytical Results				
Sample ID	Date	Depth (ft)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
NMOCD ACTION LEVEL			100	
SC-2	4/11/13	1 to 4.5	<5.0	66
SC-5	4/11/13	5.5	<5.0	99
ALL SAMPLES WERE ANALYZED PER EPA METHOD 8015B.				

Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: April 22, 2013
REVISIONS BY: C. Lameman	DATE REVISED: April 22, 2013
CHECKED BY: D. Watson	DATE CHECKED: April 22, 2013
APPROVED BY: E. McNally	DATE APPROVED: April 22, 2013

LEGEND

SAMPLE LOCATIONS

SECONDARY CONTAINMENT BERM

SCALE
15 9 0 15
3
(1 INCH = 15 FEET)

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: Hammond WN Fed #7A

Date: 3/25/2013

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Time of Sample Analysis	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 0.5'	3/25/2013	12:10	0.0	13:27	124	20.0	1	HMW
SB-1 @ 1'	3/25/2013	12:14	1,889	13:23	>10,000	100	1	HMW
SB-2 @ Surface	3/25/2013	13:40	0.0	*Not Analyzed for TPH*				
SB-2 @ 0.5'	3/25/2013	13:42	0.0	*Not Analyzed for TPH*				
SB-3 @ 0.5'	3/25/2013	12:25	647	*Not Analyzed for TPH*				
SB-3 @ 1.5'	3/25/2013	12:28	1,491	13:29	3,260	40.0	1	HMW
SB-4 @ Surface	3/25/2013	12:30	0.0	*Not Analyzed for TPH*				
SB-4 @ 1'	3/25/2013	12:33	187	13:32	2,780	20.0	1	HMW
SB-5 @ Surface	3/25/2013	12:40	0.0	13:35	41.4	20.0	1	HMW
SB-5 @ 1'	3/25/2013	12:43	0.0	*Not Analyzed for TPH*				
SB-6 @ Surface	3/25/2013	12:50	0.0	13:37	31.7	20.0	1	HMW
SB-6 @ 1'	3/25/2013	12:52	0.0	*Not Analyzed for TPH*				
SB-7 @ 0.5'	3/25/2013	14:00	0.0	14:28	58.2	20.0	1	HMW

Total Petroleum Hydrocarbons - USEPA 418.1

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

Analyst: Heather M. Woods

Report Finalized: 03/25/13

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: Hammond WN Fed #7A

Date: 4/11/2013

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	Time of Sample Analysis	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	4/11/2013	12:34	North Wall	3.8	13:17	91.1	20.0	1	HMW
SC-2	4/11/2013	13:56	South Wall	5.3	14:19	178	20.0	1	HMW
SC-3	4/11/2013	13:58	East Wall	4.9	14:21	24.7	20.0	1	HMW
SC-4	4/11/2013	14:00	West Wall	3.8	14:17	27.4	20.0	1	HMW
SC-5	4/11/2013	12:42	Base	15.8	13:25	209	20.0	1	HMW

Total Petroleum Hydrocarbons - USEPA 418.1

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

Analyst: Heather M. Woods

Report Finalized: 04/11/13

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 19, 2013

Debbie Watson

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

RE: Hammond WN Fed #7A OrderNo.: 1303998

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/26/2013 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 09, 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1303998**
Date Reported: **4/19/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: Hammond WN Fed #7A
Lab ID: 1303998-001 **Matrix:** SOIL

Client Sample ID: SC-1
Collection Date: 3/25/2013 2:02:00 PM
Received Date: 3/26/2013 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JRR**
Chloride	ND	15		mg/Kg	10	3/27/2013 11:06:34 AM
EPA METHOD 7471: MERCURY						Analyst: **IDC**
Mercury	ND	0.033		mg/Kg	1	4/5/2013 1:33:24 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **JLF**
Arsenic	ND	25		mg/Kg	10	4/4/2013 12:51:43 PM
Barium	53	1.0		mg/Kg	10	4/4/2013 12:51:43 PM
Cadmium	ND	1.0		mg/Kg	10	4/4/2013 12:51:43 PM
Chromium	7.7	3.0		mg/Kg	10	4/4/2013 12:51:43 PM
Lead	6.9	2.5		mg/Kg	10	4/4/2013 12:51:43 PM
Selenium	ND	25		mg/Kg	10	4/4/2013 12:51:43 PM
Silver	ND	2.5		mg/Kg	10	4/4/2013 12:51:43 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Chromium	ND	5.0		mg/L	1	4/12/2013 11:14:30 AM
Lead	ND	5.0		mg/L	1	4/12/2013 11:14:30 AM

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
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1303998**

19-Apr-13

Client: Animas Environmental Services

Project: Hammond WN Fed #7A

Sample ID	**MB-6687**	SampType: **MBLK**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID: **6687**			RunNo: **9467**					
Prep Date:	**3/27/2013**	Analysis Date: **3/27/2013**			SeqNo: **270247**		Units: **mg/Kg**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								

Sample ID	**LCS-6687**	SampType: **LCS**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID: **6687**			RunNo: **9467**					
Prep Date:	**3/27/2013**	Analysis Date: **3/27/2013**			SeqNo: **270248**		Units: **mg/Kg**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		16	1.5	15.00	0	104	90	110			

Sample ID	**1303998-001AMS**	SampType: **MS**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**SC-1**	Batch ID: **6687**			RunNo: **9467**					
Prep Date:	**3/27/2013**	Analysis Date: **3/27/2013**			SeqNo: **270252**		Units: **mg/Kg**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		16	15	15.00	0	110	64.4	117			

Sample ID	**1303998-001AMSD**	SampType: **MSD**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**SC-1**	Batch ID: **6687**			RunNo: **9467**					
Prep Date:	**3/27/2013**	Analysis Date: **3/27/2013**			SeqNo: **270253**		Units: **mg/Kg**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15	15	15.00	0	103	64.4	117	6.37	20	

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
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1303998**

19-Apr-13

Client: Animas Environmental Services

Project: Hammond WN Fed #7A

Sample ID **mb-6845**	SampType: **MBLK**	TestCode: **EPA Method 7471: Mercury**
Client ID: **PBS**	Batch ID: **6845**	RunNo: **9687**
Prep Date: **4/5/2013**	Analysis Date: **4/5/2013**	SeqNo: **276025** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID **lcs-6845**	SampType: **LCS**	TestCode: **EPA Method 7471: Mercury**
Client ID: **LCSS**	Batch ID: **6845**	RunNo: **9687**
Prep Date: **4/5/2013**	Analysis Date: **4/5/2013**	SeqNo: **276026** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.16	0.033	0.1667	0	97.6	80	120			

Sample ID **1303820-001ams**	SampType: **MS**	TestCode: **EPA Method 7471: Mercury**
Client ID: **BatchQC**	Batch ID: **6845**	RunNo: **9687**
Prep Date: **4/5/2013**	Analysis Date: **4/5/2013**	SeqNo: **276028** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.033	0.1648	0.008650	95.2	75	125			

Sample ID **1303820-001amsd**	SampType: **MSD**	TestCode: **EPA Method 7471: Mercury**
Client ID: **BatchQC**	Batch ID: **6845**	RunNo: **9687**
Prep Date: **4/5/2013**	Analysis Date: **4/5/2013**	SeqNo: **276029** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.033	0.1640	0.008650	96.4	75	125	0.691	20	

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#: **1303998**

19-Apr-13

Client: Animas Environmental Services

Project: Hammond WN Fed #7A

Sample ID **MB-6725**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **6725**	RunNo: **9555**
Prep Date: **3/29/2013**	Analysis Date: **4/1/2013**	SeqNo: **272651** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Lead	ND	0.25								
Selenium	ND	2.5								
Silver	ND	0.25								

Sample ID **LCS-6725**	SampType: **LCS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS**	Batch ID: **6725**	RunNo: **9555**
Prep Date: **3/29/2013**	Analysis Date: **4/1/2013**	SeqNo: **272652** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	24	2.5	25.00	0	95.3	80	120			
Barium	24	0.10	25.00	0	94.4	80	120			
Cadmium	24	0.10	25.00	0	95.4	80	120			
Chromium	24	0.30	25.00	0	95.7	80	120			
Lead	23	0.25	25.00	0	92.7	80	120			
Selenium	23	2.5	25.00	0	92.6	80	120			
Silver	4.8	0.25	5.000	0.04050	95.4	80	120			

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
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1303998**

19-Apr-13

Client: Animas Environmental Services

Project: Hammond WN Fed #7A

Sample ID	**MB-6926**	SampType:	**MBLK**	TestCode:	**EPA Method 6010B: TCLP Metals**					
Client ID:	**PBW**	Batch ID:	**6926**	RunNo:	**9818**					
Prep Date:	**4/11/2013**	Analysis Date:	**4/12/2013**	SeqNo:	**279796**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	ND	5.0								
Lead	ND	5.0								

Sample ID	**LCS-6926**	SampType:	**LCS**	TestCode:	**EPA Method 6010B: TCLP Metals**					
Client ID:	**LCSW**	Batch ID:	**6926**	RunNo:	**9818**					
Prep Date:	**4/11/2013**	Analysis Date:	**4/12/2013**	SeqNo:	**279797**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	ND	5.0	0.5000	0	107	80	120			
Lead	ND	5.0	0.5000	0	110	80	120			

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
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1303998 RcptNo: 1

Received by/date: 03/26/13

Logged By: Ashley Gallegos 3/26/2013 9:55:00 AM

Completed By: Ashley Gallegos 3/26/2013 11:01:23 AM

Reviewed By: 03/26/13

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	# of preserved bottles checked for pH: (<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? (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	1.5	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services

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)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Hammond WN Fed #7A

Project #:

Project Manager: D. Watson

Sampler: K. Christiansen / H. Woods

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1303998	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	300.0 Chlorides				Air Bubbles (Y or N)
3/25/13	14:02	Soil	SC-1	2 4-oz jars	non	-001							X					X				

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/25/13	1734			3/25/13	1734
3/25/13	1741			03/26/13	0955

Remarks: Bill to Conoco Phillips
Area Supervisor: David Leboeuf WO#: 9507211
Area: 22
User ID: MKSPENC

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
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April 17, 2013

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

RE: CoP Hammond WN Fed #7A OrderNo.: 1304523

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/12/2013 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 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1304523**
Date Reported: **4/17/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SC-2
Project: CoP Hammond WN Fed #7A
Collection Date: 4/11/2013 1:56:00 PM
Lab ID: 1304523-001
Matrix: MEOH (SOIL)
Received Date: 4/12/2013 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **GSA**
Diesel Range Organics (DRO)	66	10		mg/Kg	1	4/12/2013 12:53:01 PM
Surr: DNOP	109	72.4-120		%REC	1	4/12/2013 12:53:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/12/2013 11:25:13 AM
Surr: BFB	93.0	80-120		%REC	1	4/12/2013 11:25:13 AM

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
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SC-5
Project: CoP Hammond WN Fed #7A
Collection Date: 4/11/2013 12:42:00 PM
Lab ID: 1304523-002
Matrix: MEOH (SOIL)
Received Date: 4/12/2013 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **GSA**
Diesel Range Organics (DRO)	99	10		mg/Kg	1	4/12/2013 1:24:49 PM
Surr: DNOP	110	72.4-120		%REC	1	4/12/2013 1:24:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/12/2013 11:53:49 AM
Surr: BFB	107	80-120		%REC	1	4/12/2013 11:53:49 AM

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
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304523**

17-Apr-13

Client: Animas Environmental Services

Project: CoP Hammond WN Fed #7A

Sample ID **MB-6959**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **6959**	RunNo: **9827**
Prep Date: **4/12/2013**	Analysis Date: **4/12/2013**	SeqNo: **279911** 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	11		10.00		105	72.4	120			

Sample ID **LCS-6959**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **6959**	RunNo: **9827**
Prep Date: **4/12/2013**	Analysis Date: **4/12/2013**	SeqNo: **279940** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	47.4	122			
Surr: DNOP	5.7		5.000		114	72.4	120			

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
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304523**

17-Apr-13

Client: Animas Environmental Services

Project: CoP Hammond WN Fed #7A

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R9822**	RunNo: **9822**
Prep Date:	Analysis Date: **4/12/2013**	SeqNo: **280367** 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	930		1000		92.8	80	120			

Sample ID **2.5UG GRO LCSB**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R9822**	RunNo: **9822**
Prep Date:	Analysis Date: **4/12/2013**	SeqNo: **280368** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.9	62.6	136			
Surr: BFB	990		1000		98.8	80	120			

Sample ID **1304523-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SC-2**	Batch ID: **R9822**	RunNo: **9822**
Prep Date:	Analysis Date: **4/12/2013**	SeqNo: **280370** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	17	5.0	15.58	0	107	70	130			
Surr: BFB	630		623.4		101	80	120			

Sample ID **1304523-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **SC-2**	Batch ID: **R9822**	RunNo: **9822**
Prep Date:	Analysis Date: **4/12/2013**	SeqNo: **280371** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	15	5.0	15.58	0	97.6	70	130	9.60	22.1	
Surr: BFB	630		623.4		101	80	120	0	0	

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1304523 RcptNo: 1

Received by/date: AG 04/12/13

Logged By: **Michelle Garcia** 4/12/2013 9:50:00 AM Michelle Garcia

Completed By: **Michelle Garcia** 4/12/2013 10:02:11 AM Michelle Garcia

Reviewed By: IO 04/12/2013

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	1.4	Good	Yes			

Chain-of-Custody Record

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) _____

Turn-Around Time:

☐ Standard ☒ Rush Same Day

Project Name: CoP Hammond WN Fed #7A

Project #:

Project Manager: D. Watson

Sampler: H. Woods

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1304523	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / ~~MRO~~)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
4/11/13	1356	Soil	SC-2	MeOH Kit 4-oz	MeOH	-001			X									
4/11/13	1242	Soil	SC-5	MeOH Kit 4oz	MeOH	-002			X									

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/11/13	1656	Heather M. Woods	Christin Walters	4/11/13	1656
4/11/13	1737	Christin Walters		04/12/13	09:50

Remarks: Bill to Conocophillips

~~Area Supervisor: Davin Leboeuf~~

Area: 22 HW

User ID: MKSP

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.