

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office to
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company ConocoPhillips Company	Contact Crystal Tafoya
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 326-9837
Facility Name: FC State Com 3A	Facility Type: Gas Well

Surface Owner State	Mineral Owner State	API No. 3004532265
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LOCATION OF RELEASE

Unit Letter O	Section 36	Township 31N	Range 9W	Feet from the 795	North/South Line South	Feet from the 1800	East/West Line East	County San Juan
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Latitude **36.84939** Longitude **107.72874**

NATURE OF RELEASE

Type of Release Produced Fluids	Volume of Release Unknown	Volume Recovered 34 yds
Source of Release Below Grade Tank	Date and Hour of Occurrence Unknown	Date and Hour of Discovery April 24, 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.	

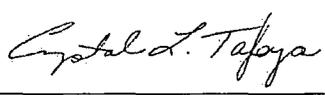
RCVD JUN 6 '13
OIL CONS. DIV.
DIST. 3

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

Describe Cause of Problem and Remedial Action Taken.*
Facility Re-set Activities

Describe Area Affected and Cleanup Action Taken.*
Historical hydrocarbon impacted soil was found during the facility re-set for the subject well. The excavation was 924 sq ft x 3' and 34 yds of soil was transported to an approved landfarm and 34 yds of clean soil was transported and placed in the excavation site. TPH concentrations exceeded the NMOCD action level on the base. Approval to backfill was received from Brandon Powell on 4/25/13 due to the known depth to groundwater and the presence of competent sandstone. 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	
Printed Name: Crystal Tafoya	Approved by Environmental Specialist: 	
Title: Field Environmental Specialist	Approval Date: 6/12/2013	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/4/2013 Phone: (505) 326-9837		

* Attach Additional Sheets If Necessary

NJK 1316342881



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3084

May 17, 2013

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

**RE: Final Excavation Report
FC State Com #3A
San Juan County, New Mexico**

Dear Ms. Tafoya:

On April 24, 2012, Animas Environmental Services, LLC (AES) completed an environmental clearance of the final excavation limits at the ConocoPhillips (CoP) FC State Com #3A, located in San Juan County, New Mexico. Historical contamination was noted during a facility reset. The excavation was completed by CoP contractors while AES was on location on April 24, 2013.

1.0 Site Information

1.1 Location

Location - SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 36, T31N, R9W, San Juan County, New Mexico
Well Head Latitude/Longitude - N36.84948 and W107.72953, respectively
Release Location Latitude/Longitude – N36.84964 and W107.72946, respectively
Land Jurisdiction – State of New Mexico
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, April 2013

1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and a Cathodic Protection Report dated February 2006 for the FC State Com #3A reported the depth to groundwater as 100 feet below ground surface (bgs). 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 100 feet bgs. An unnamed wash, which discharges to Manga Canyon, is located approximately 250 feet east of the location. Based on this information, the location was assessed a ranking score of 10 per the NMOCD *Guidelines for Leaks, Spills, and Releases* (1993).

1.3 Assessment

AES was initially contacted by Bruce Ashcroft of CoP on April 24, 2013, and on the same day, Heather Woods and Stephanie Lynn of AES collected confirmation soil samples of the excavation. Field screening activities included collection of six confirmation soil samples (SC-1 through SC-6) of the walls and base of the excavation. The area of the final excavation was approximately 924 square feet by 2.5 to 5 feet in depth. The depth of the excavation was limited by a competent sandstone layer present at about 2.5 to 5 feet bgs. Sample locations and final excavation extents are shown on Figure 3.

2.0 Soil Sampling

A total of six 5-point composite samples (SC-1 through SC-6) were collected during the assessment. All soil samples were field screened for volatile organic compounds (VOCs) and were also analyzed for total petroleum hydrocarbons (TPH). Two composite samples (SC-4 and SC-6) 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 (SC-4 and SC-6) 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:

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

2.3 Field Screening and Laboratory Analytical Results

On April 24, 2013, field screening readings for VOCs via OVM ranged from 2.7 ppm in SC-1 up to 3,475 ppm in SC-4. Field TPH concentrations ranged from 37.7 mg/kg in SC-2 up to 3,540 mg/kg in SC-6. Results are included below in Table 1 and on Figure 3. The AES Field Screening Report is attached.

Table 1. Field Screening VOCs and TPH Results
 FC State Com #3A Final Excavation, April 2013

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>	<i>Field TPH (mg/kg)</i>
NMOCD Action Level*			100	1,000
SC-1	04/24/13	1 to 2.5	2.7	161
SC-2	04/24/13	1 to 2.5	5.7	37.7
SC-3	04/24/13	1 to 5	6.7	312
SC-4	04/24/13	2.5 to 5	3,475	2,320
SC-5	04/24/13	1 to 4	12.5	698
SC-6	04/24/13	4	110	3,540

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

Laboratory analyses for SC-4 and SC-6 were used to confirm field screening results from the excavation. Benzene concentrations were reported at less than 0.25 mg/kg in SC-4 and less than 0.050 mg/kg in SC-6. Total BTEX concentrations were reported at 11 mg/kg in SC-4 and less than 0.25 mg/kg in SC-6. TPH concentrations (as GRO/DRO) in

SC-4 and SC-6 were reported at 1,370 mg/kg and 871 mg/kg, respectively. Results are presented in Table 2 and on Figure 3. Laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results – Benzene, BTEX and TPH
 FC State Com #3A Final Excavation, April 2013

<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	1,000	
SC-4	04/24/13	2.5 to 5	<0.25	11	270	1,100
SC-6	04/24/13	4	<0.050	<0.25	11	860

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

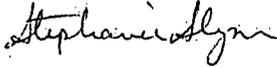
3.0 Conclusions and Recommendations

On April 24, 2013, AES conducted final assessment of an excavation of petroleum contaminated soils associated with a historical release at the FC State Com #3A. 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 10. Field screening results of the excavation extents showed that VOC and TPH concentrations were below applicable NMOCD action levels for all four walls of the excavation. The base of the excavation (SC-4 and SC-6) exceeded the NMOCD action level of 100 ppm with 3,475 ppm (SC-4) and 110 ppm (SC-6). Field screening results also showed TPH concentrations above the NMOCD action level of 1,000 mg/kg TPH in SC-4 (2,320 mg/kg) and SC-6 (3,540 mg/kg). Laboratory analytical results from April 24, 2013, reported benzene and total BTEX concentrations below the applicable NMOCD thresholds for SC-4 and SC-6. TPH concentrations as GRO/DRO were reported above the NMOCD action level of 1,000 mg/kg in SC-4 with 1,370 mg/kg.

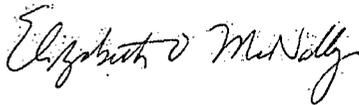
Based on field screening and laboratory analytical results of the excavation of petroleum contaminated soils at the FC State Com #3A, VOC and TPH concentrations were below applicable NMOCD action levels for each of the sidewalls of the excavation. However, the base of the excavation exceeded the applicable NMOCD action level for TPH. Because of known depth to groundwater and the presence of competent sandstone at the site, Brandon Powell of NMOCD granted approval to CoP to backfill the excavation on April 25, 2013. 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,



Stephanie A. Lynn
Environmental Engineer

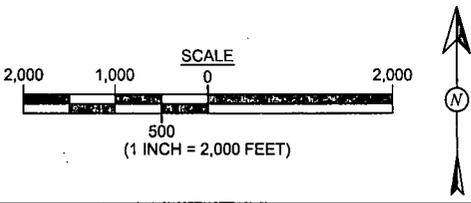
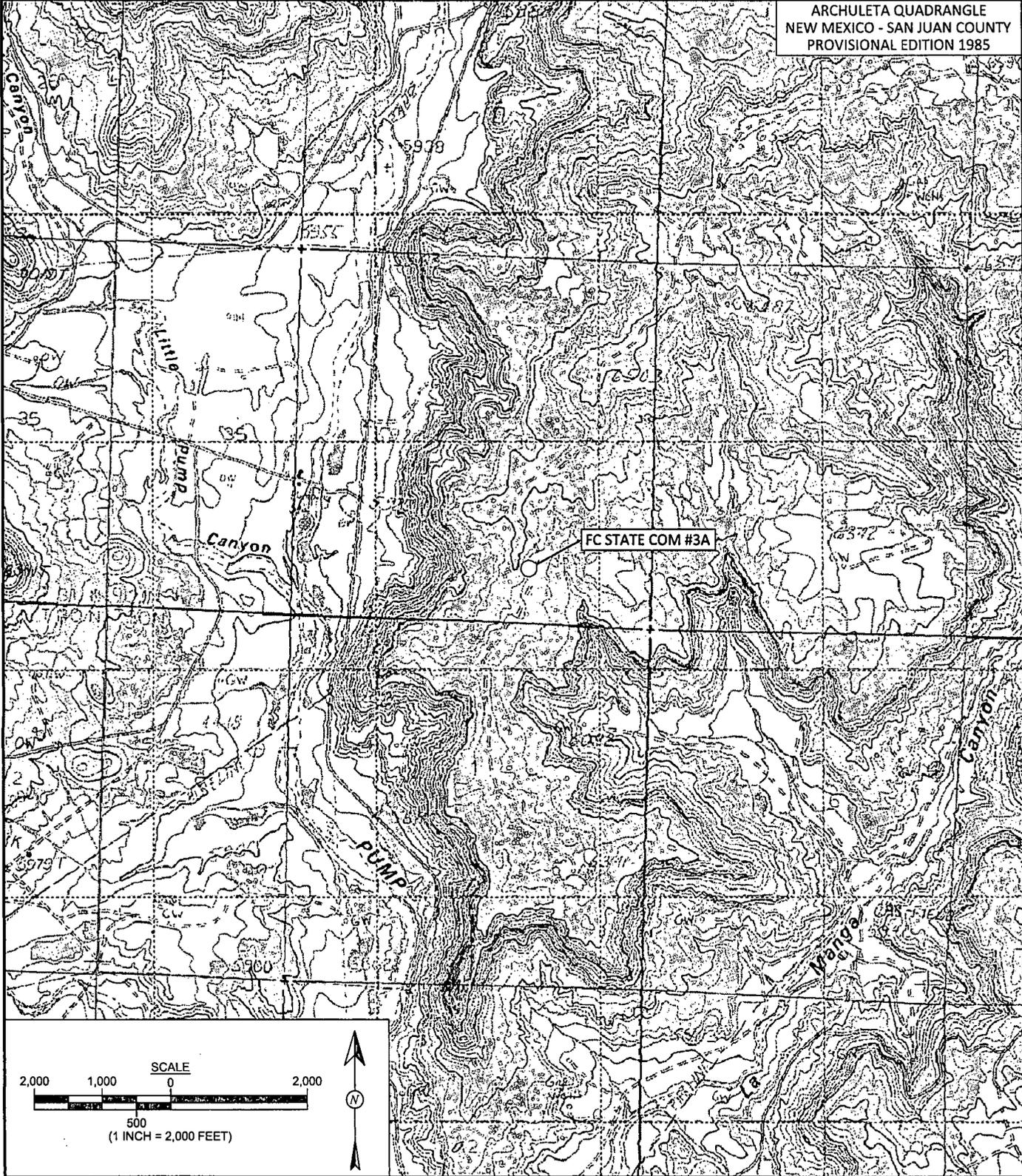


Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, April 2013
- Figure 3. Final Excavation Sample Locations and Results, April 2013
- AES Field Screening Report 042413
- Hall Laboratory Analytical Report 1304A15

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\FC State Com 3A\CoP Release and Final Excavation Report FC State Com #3A 051713.docx

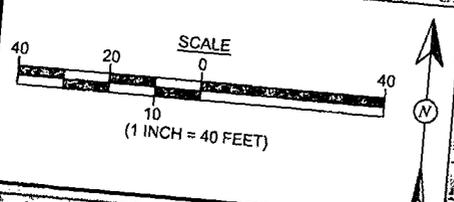
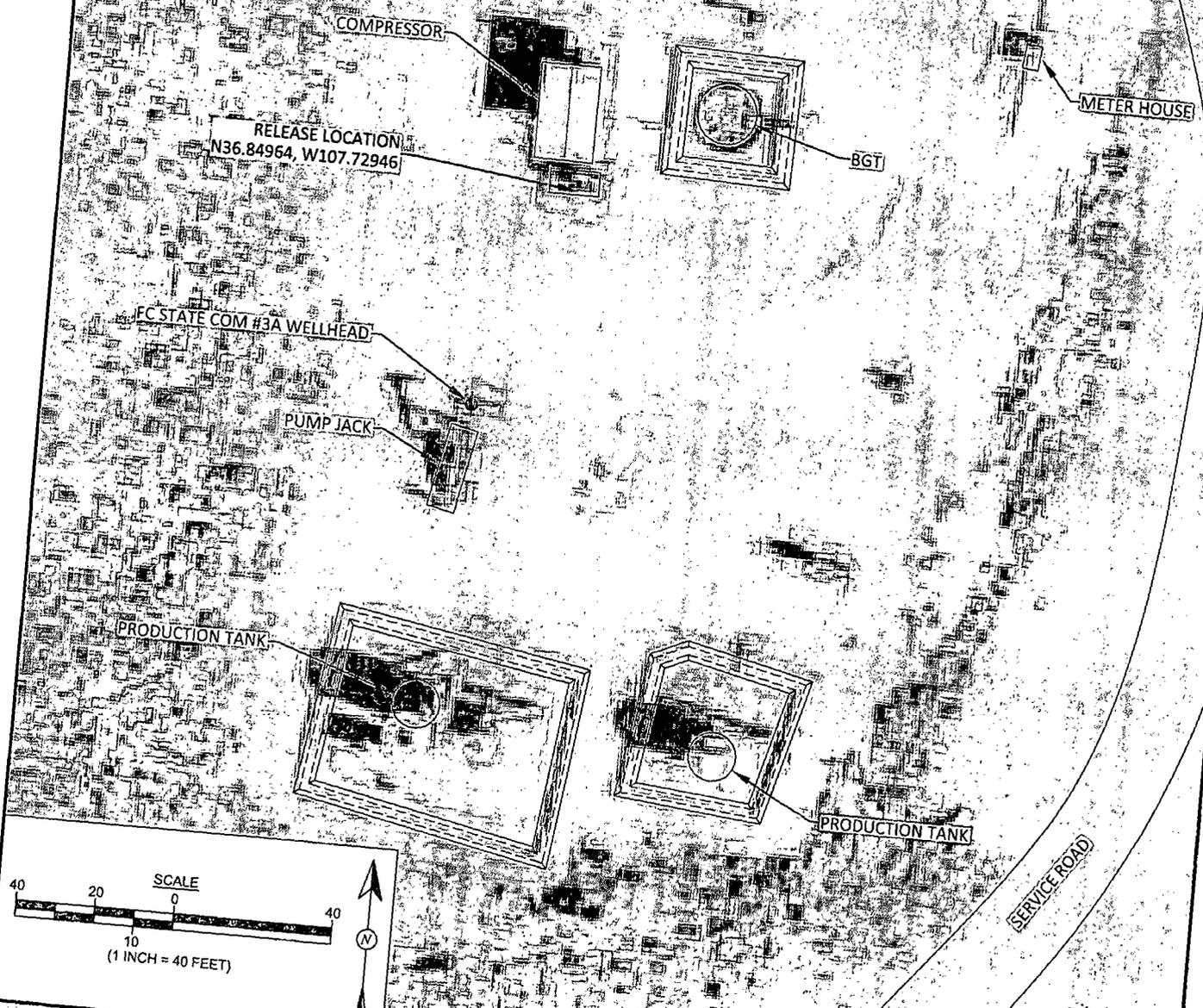


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: April 29, 2013
REVISIONS BY: C. Lameman	DATE REVISED: April 29, 2013
CHECKED BY: D. Watson	DATE CHECKED: April 29, 2013
APPROVED BY: E. McNally	DATE APPROVED: April 29, 2013

FIGURE 1
TOPOGRAPHIC SITE LOCATION MAP
 ConocoPhillips
 FC STATE COM #3A
 SW¼ SE¼, SECTION 36, T31N, R9W
 SAN JUAN COUNTY, NEW MEXICO
 N36.84948, W107.72953

LEGEND
 SECONDARY CONTAINMENT BERM



AERIAL SOURCE: © 2012 PICTOMETRY INTERNATIONAL CORP. ONLINE, AERIAL DATE: APRIL 22, 2011.

DRAWN BY: C. Lameman	DATE DRAWN: April 29, 2013
REVISIONS BY: C. Lameman	DATE REVISED: April 29, 2013
CHECKED BY: D. Watson	DATE CHECKED: April 29, 2013
APPROVED BY: E. McNally	DATE APPROVED: April 29, 2013

FIGURE 2

**AERIAL SITE MAP
 APRIL 2013**
 ConocoPhillips
 FC STATE COM #3A
 SW¼ SE¼, SECTION 36, T31N, R9W
 SAN JUAN COUNTY, NEW MEXICO
 N36.84948, W107.72953



Animas Environmental Services, LLC

FIGURE 3

**FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS
APRIL 2013**
ConocoPhillips
FC STATE COM #3A
SW¼ SE¼, SECTION 36, T31N, R9W
SAN JUAN COUNTY, NEW MEXICO
N36.84964, W107.72953

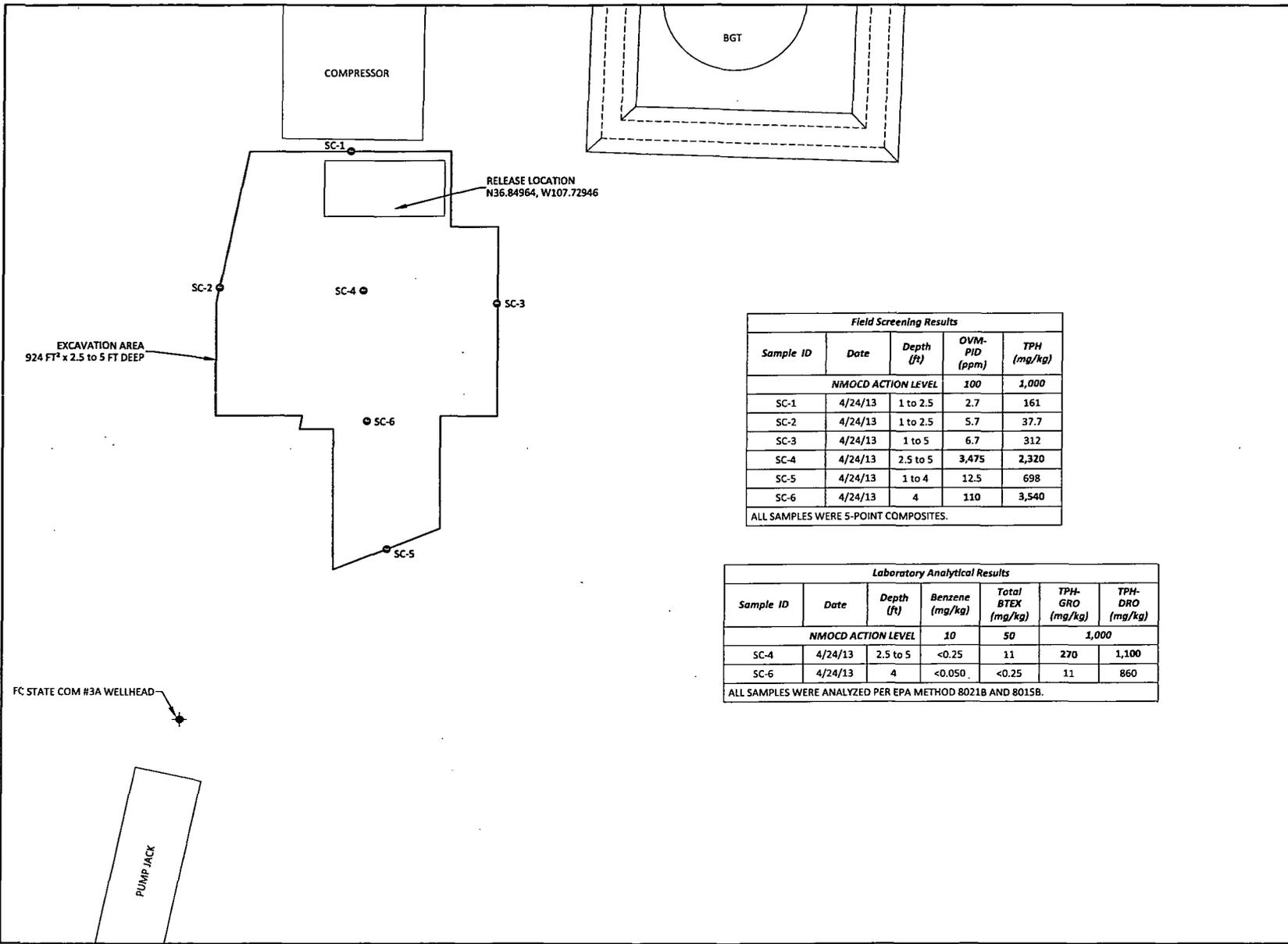


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: April 30, 2013
REVISIONS BY: C. Lameman	DATE REVISED: April 30, 2013
CHECKED BY: D. Watson	DATE CHECKED: April 30, 2013
APPROVED BY: E. McNally	DATE APPROVED: April 30, 2013

LEGEND

- SAMPLE LOCATIONS
- ▬▬▬▬ SECONDARY CONTAINMENT BERM



Field Screening Results

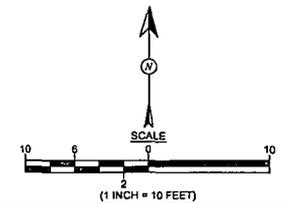
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL				100
SC-1	4/24/13	1 to 2.5	2.7	161
SC-2	4/24/13	1 to 2.5	5.7	37.7
SC-3	4/24/13	1 to 5	6.7	312
SC-4	4/24/13	2.5 to 5	3,475	2,320
SC-5	4/24/13	1 to 4	12.5	698
SC-6	4/24/13	4	110	3,540

ALL SAMPLES WERE 5-POINT COMPOSITES.

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	1,000
SC-4	4/24/13	2.5 to 5	<0.25	11	270	1,100
SC-6	4/24/13	4	<0.050	<0.25	11	860

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND 8015B.



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: FC State Com #3A

Date: 4/24/2013

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	4/24/2013	14:35	North Wall	2.7	15:37	161	20.0	1	HW
SC-2	4/24/2013	14:38	West Wall	5.7	15:40	37.7	20.0	1	HW
SC-3	4/24/2013	14:41	East Wall	6.7	15:43	312	20.0	1	HW
SC-4	4/24/2013	14:45	North Base	3,475	15:45	2,320	40.0	1	HW
SC-5	4/24/2013	14:48	South Wall	12.5	15:48	698	20.0	1	HW
SC-6	4/24/2013	14:52	South Base	110	15:51	3,540	40.0	1	HW

PQL Practical Quantitation Limit

ND Not Detected at the Reporting Limit

NA Not Analyzed

DF Dilution Factor

*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Leather M. Woods



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

April 29, 2013

Debbie Watson

Animas Environmental Services

624 East Comanche

Farmington, NM 87401

TEL: (505) 486-4071

FAX

RE: COP FC State Com # 3A

OrderNo.: 1304A15

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/25/2013 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-4

Project: COP FC State Com # 3A

Collection Date: 4/24/2013 2:45:00 PM

Lab ID: 1304A15-001

Matrix: MEOH (SOIL)

Received Date: 4/25/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: GSA
Diesel Range Organics (DRO)	1100	100		mg/Kg	10	4/25/2013 1:30:16 PM
Surr: DNOP	0	63-147	S	%REC	10	4/25/2013 1:30:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	270	50		mg/Kg	10	4/25/2013 12:03:20 PM
Surr: BFB	387	80-120	S	%REC	10	4/25/2013 12:03:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.25		mg/Kg	10	4/25/2013 12:03:20 PM
Toluene	ND	0.50		mg/Kg	10	4/25/2013 12:03:20 PM
Ethylbenzene	ND	0.50		mg/Kg	10	4/25/2013 12:03:20 PM
Xylenes, Total	11	1.0		mg/Kg	10	4/25/2013 12:03:20 PM
Surr: 4-Bromofluorobenzene	117	80-120		%REC	10	4/25/2013 12:03:20 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: COP FC State Com # 3A
Lab ID: 1304A15-002

Client Sample ID: SC-6
Collection Date: 4/24/2013 2:52:00 PM
Received Date: 4/25/2013 10:00:00 AM

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: GSA
Diesel Range Organics (DRO)	860	100		mg/Kg	10	4/25/2013 1:51:56 PM
Surr: DNOP	0	63-147	S	%REC	10	4/25/2013 1:51:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	11	5.0		mg/Kg	1	4/25/2013 12:31:58 PM
Surr: BFB	165	80-120	S	%REC	1	4/25/2013 12:31:58 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	4/25/2013 12:31:58 PM
Toluene	ND	0.050		mg/Kg	1	4/25/2013 12:31:58 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/25/2013 12:31:58 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/25/2013 12:31:58 PM
Surr: 4-Bromofluorobenzene	99.3	80-120		%REC	1	4/25/2013 12:31:58 PM

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#: 1304A15

29-Apr-13

Client: Animas Environmental Services

Project: COP FC State Com # 3A

Sample ID	MB-7155	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	7155	RunNo:	10102					
Prep Date:	4/25/2013	Analysis Date:	4/25/2013	SeqNo:	287943	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	10		10.00		103	63	147			

Sample ID	LCS-7155	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	7155	RunNo:	10102					
Prep Date:	4/25/2013	Analysis Date:	4/25/2013	SeqNo:	287944	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	47.4	122			
Surr: DNOP	5.8		5.000		115	63	147			

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#: 1304A15

29-Apr-13

Client: Animas Environmental Services

Project: COP FC State Com # 3A

Sample ID	MB-7116	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	7116	RunNo:	10105					
Prep Date:	4/23/2013	Analysis Date:	4/25/2013	SeqNo:	288568	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	860		1000		85.9	80	120			

Sample ID	LCS-7116	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	7116	RunNo:	10105					
Prep Date:	4/23/2013	Analysis Date:	4/25/2013	SeqNo:	288569	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		95.9	80	120			

Sample ID	MB-7116	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R10105	RunNo:	10105					
Prep Date:	4/23/2013	Analysis Date:	4/25/2013	SeqNo:	288586	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	860		1000		85.9	80	120			

Sample ID	LCS-7116	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R10105	RunNo:	10105					
Prep Date:	4/23/2013	Analysis Date:	4/25/2013	SeqNo:	288587	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	62.6	136			
Surr: BFB	960		1000		95.9	80	120			

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#: 1304A15

29-Apr-13

Client: Animas Environmental Services
Project: COP FC State Com # 3A

Sample ID	MB-7116	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	7116	RunNo:	10105					
Prep Date:	4/23/2013	Analysis Date:	4/25/2013	SeqNo:	288597	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	80	120			

Sample ID	LCS-7116	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	7116	RunNo:	10105					
Prep Date:	4/23/2013	Analysis Date:	4/25/2013	SeqNo:	288598	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID	1304841-001AMS	SampType:	MS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	BatchQC	Batch ID:	7116	RunNo:	10105					
Prep Date:	4/23/2013	Analysis Date:	4/25/2013	SeqNo:	288625	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		0.9515		106	80	120			

Sample ID	1304841-001AMSD	SampType:	MSD	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	BatchQC	Batch ID:	7116	RunNo:	10105					
Prep Date:	4/23/2013	Analysis Date:	4/25/2013	SeqNo:	288626	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		0.9615		105	80	120	0	0	

Sample ID	MB-7116	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	7116	RunNo:	10105					
Prep Date:	4/23/2013	Analysis Date:	4/25/2013	SeqNo:	288653	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	80	120			

Sample ID	LCS-7116	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	7116	RunNo:	10105					
Prep Date:	4/23/2013	Analysis Date:	4/25/2013	SeqNo:	288654	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
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- RL Reporting Detection Limit
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- S Spike Recovery outside accepted recovery limits

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1304A15

RcptNo: 1

Received by/date: AG 04/25/13

Logged By: Lindsay Mangin 4/25/2013 10:00:00 AM *Judy Hays*

Completed By: Lindsay Mangin 4/25/2013 10:12:33 AM *Judy Hays*

Reviewed By: IO 04/25/2013

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? Yes No
(Note discrepancies on chain of custody)
- 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? Yes No
(If no, notify customer for authorization.)

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

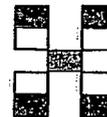
Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No.	Temp. °C	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Client: Animas Environmental Services

Mailing Address: 624 E. Comanche
Farmington, NM 87401

Phone #: 505-564-2201

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 FC State Com #3A

Project #:

Project Manager:
D. Watson

Sampler: HWSL

On/Off: YES NO

Sample Temperature: _____

HEAL No	BTEX + MTBE + TPH (Gas/Diesel)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)
1301A15	X	X	X								
	X	X	X								

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No
4/24/13	1445	Soil	SC-4	MeOH Kit / 4oz	MeOH / Non	-001
4/24/13	1452	Soil	SC-6	MeOH Kit / 4oz	MeOH / Non	-002

Date: 4/24/13 Time: 1742 Relinquished by: Heather M. Woon

Date: 4/24/13 Time: 1749 Relinquished by: _____

Received by: Christina Woele Date: 4/24/13 Time: 1742

Received by: [Signature] Date: 04/25/13 Time: 1000

Remarks: Bill to Conoco Phillips
WO. 10336758
Activity: C200
Supervisor: Sheldon Montoya
User ID: BCNALL

Order # _____
Amo # _____

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 indicated on the analytical report.