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 **Burlington Resources Oil & Gas Company**	Contact **Lindsay Dumas**
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 599-4089
Facility Name: **Zachry 14**	Facility Type: **Gas**

Surface Owner: **BLM**	Mineral Owner: **BLM (SF-080724A)**	API No.**30-045-13067**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	**10**	**28N**	**10W**	**1100'**	**South**	**1170'**	**West**	**San Juan**

Latitude 36.67236 Longitude -107.88746

NATURE OF RELEASE

Type of Release **Produced Water**	Volume of Release **5 BBLS**	Volume Recovered **3 BBLS**
Source of Release **Pit tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **2/26/14 12:00 PM**
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.	

If a Watercourse was Impacted, Describe Fully.*

OIL CONS. DIV DIST. 3

MAY 20 2014

Describe Cause of Problem and Remedial Action Taken.*
Pit tank began leaking due to corrosion. Well was shut in and fluid was pulled. Pit will be replaced and soil will be sampled under liner.

Describe Area Affected and Cleanup Action Taken.*
The soil was assessed by third party contractor. All field screenings and laboratory analysis' were below NMOCD action levels. No further remediation necessary. The final report is attached.

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: Lindsay Dumas	OIL CONSERVATION DIVISION	
Printed Name: **Lindsay Dumas**	Approved by Environmental Specialist:	
Title: **Field Environmental Specialist**	Approval Date: 5/29/14	Expiration Date:
E-mail Address: **Lindsay.Dumas**@conocophillips.com	Conditions of Approval:	Attached ☐
Date: 5/16/14 Phone: (505) 599-4089		

* Attach Additional Sheets If Necessary

#NCS 1414930212

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

May 12, 2014

Lindsay Dumas
ConocoPhillips
San Juan Business Unit
Office 214-07
5525 Hwy 64
Farmington, New Mexico 87401

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

RE: Release Assessment Report
Zachry #14
San Juan County, New Mexico

Dear Ms. Dumas:

On March 10, 2014, Animas Environmental Services, LLC (AES) completed a release assessment at the ConocoPhillips (CoP) Zachry #14, located in San Juan County, New Mexico. The release consisted of approximately 5 barrels (bbls) of produced water and condensate from the onsite below grade tank (BGT).

1.0 Site Information

1.1 Location

Location – SW¼ SW¼, Section 10, T28N, R10W, San Juan County, New Mexico
Well Head Latitude/Longitude – N36.67253 and W107.88794, respectively
Release Location Latitude/Longitude – N36.67222 and W107.88808, respectively
Land Jurisdiction – Bureau of Land Management (BLM)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, March 2014

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 40 based on the following factors:

- **Depth to Groundwater:** A cathodic protection report form dated May 1991 for the Zachry #14 reported the depth to groundwater at 40 feet below ground surface (bgs). (20 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** An unnamed wash which discharges to the wash in Chavez Canyon is located approximately 150 feet east of the location. (20 points)

1.3 Assessment

AES was initially contacted by Lindsay Dumas of CoP on March 5, 2014, and on March 10, 2014, Corwin Lameman and Emilee Skyles of AES completed the release assessment field work. The assessment included collection and field sampling of nine soil samples from four soil borings in and around the release area. Soil borings were terminated between 7.5 and 8 feet. Sample locations are presented on Figure 3.

2.0 Soil Sampling

A total of nine soil samples from four borings (SB-1 through SB-4) were collected during the assessment. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). Two samples (SB-2 and SB-3) were also submitted for confirmation laboratory analysis.

2.1 Field Sampling

2.1.1 Volatile Organic Compounds

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

2.1.2 Total Petroleum Hydrocarbons

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

2.2 Laboratory Analyses

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

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

2.3 Field and Laboratory Analytical Results

On March 10, 2014, release assessment field screening results for VOCs via OVM showed concentrations were 0.0 ppm in all samples, except SB-1 with 0.2 ppm. Field TPH concentrations ranged from less than 20.0 mg/kg in SB-2 and SB-4 up to 113 mg/kg in SB-3. Results are included below in Table 1 and on Figure 3. The AES Field Sampling Report is attached.

Table 1. Field Sampling VOCs and TPH Results
Zachry #14 Release Assessment, March 2014

Sample ID	*Date Sampled*	*Sample Depth (ft bgs)*	*VOCs via OVM (ppm)*	*TPH 418.1 (mg/kg)*
*NMOCD Action Level**			*100*	*100*
SB-1	3/10/14	5	0.2	31.2
		6	0.0	NA
		7.5	0.0	NA
SB-2	3/10/14	5	0.0	**100**
		8	0.0	<20.0
SB-3	3/10/14	5	0.0	**113**
		6	0.0	NA
		7.5	0.0	47.8
SB-4	3/10/14	5	0.0	<20.0

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

Laboratory analyses for SB-2 and SB-3 were used to confirm field sampling results of the release assessment. TPH concentrations as GRO/DRO were reported below laboratory detection limits in SB-2 and at 22 mg/kg in SB-3. Results are presented in Table 2 and on Figure 3. The laboratory analytical report is attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH
Zachry #14 Release Assessment, March 2014

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)
*NMOCD Action Level**			*10*	*50*	*100*	
SB-2	3/10/14	5	NA	NA	<4.8	<9.9
SB-3	3/10/14	5	NA	NA	<4.7	22

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

3.0 Conclusions and Recommendations

On March 10, 2014, AES conducted a release assessment of contaminated soils associated with an overflow of produced water and condensate from a BGT at the Zachry #14. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 40.

Release assessment field screening results above the NMOCD action level of 100 mg/kg TPH were reported in SB-2 and SB-3. The highest TPH concentration was reported in SB-3 with 113 mg/kg. VOC concentrations were below the NMOCD action level of 100 ppm in all samples.

Laboratory analyses for SB-2, and SB-3 were used to confirm field sampling results. TPH concentrations as GRO/DRO were below the NMOCD action level of 100 mg/kg, with the highest concentration reported in SB-3 with 22 mg/kg.

Based on final field sampling and laboratory analytical results of the release assessment at the Zachry #14, VOC and TPH concentrations were below applicable NMOCD action levels. No further work is recommended.

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

Sincerely,

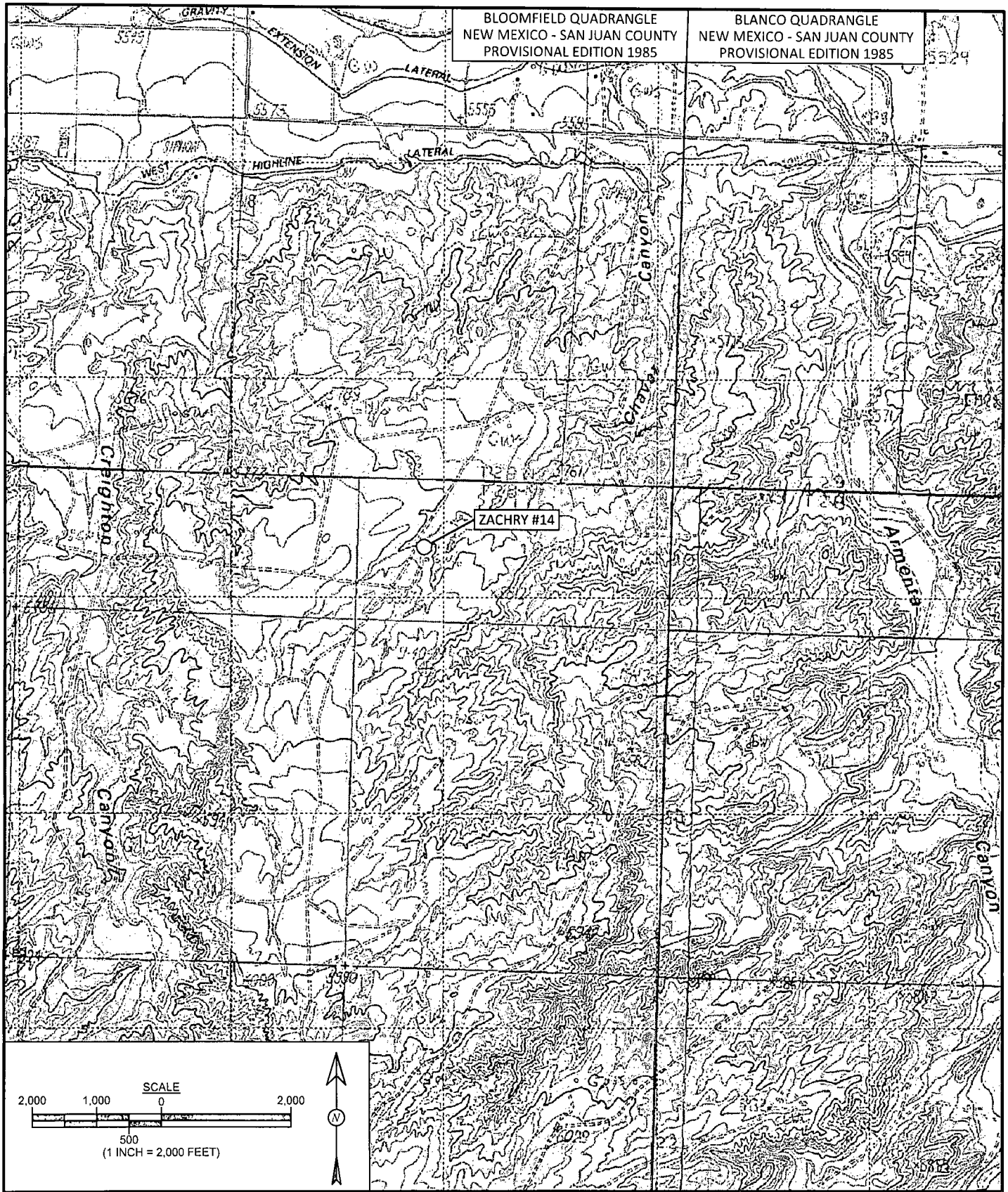
Emilee Skyles
Staff Geologist

Elizabeth McNally, PE

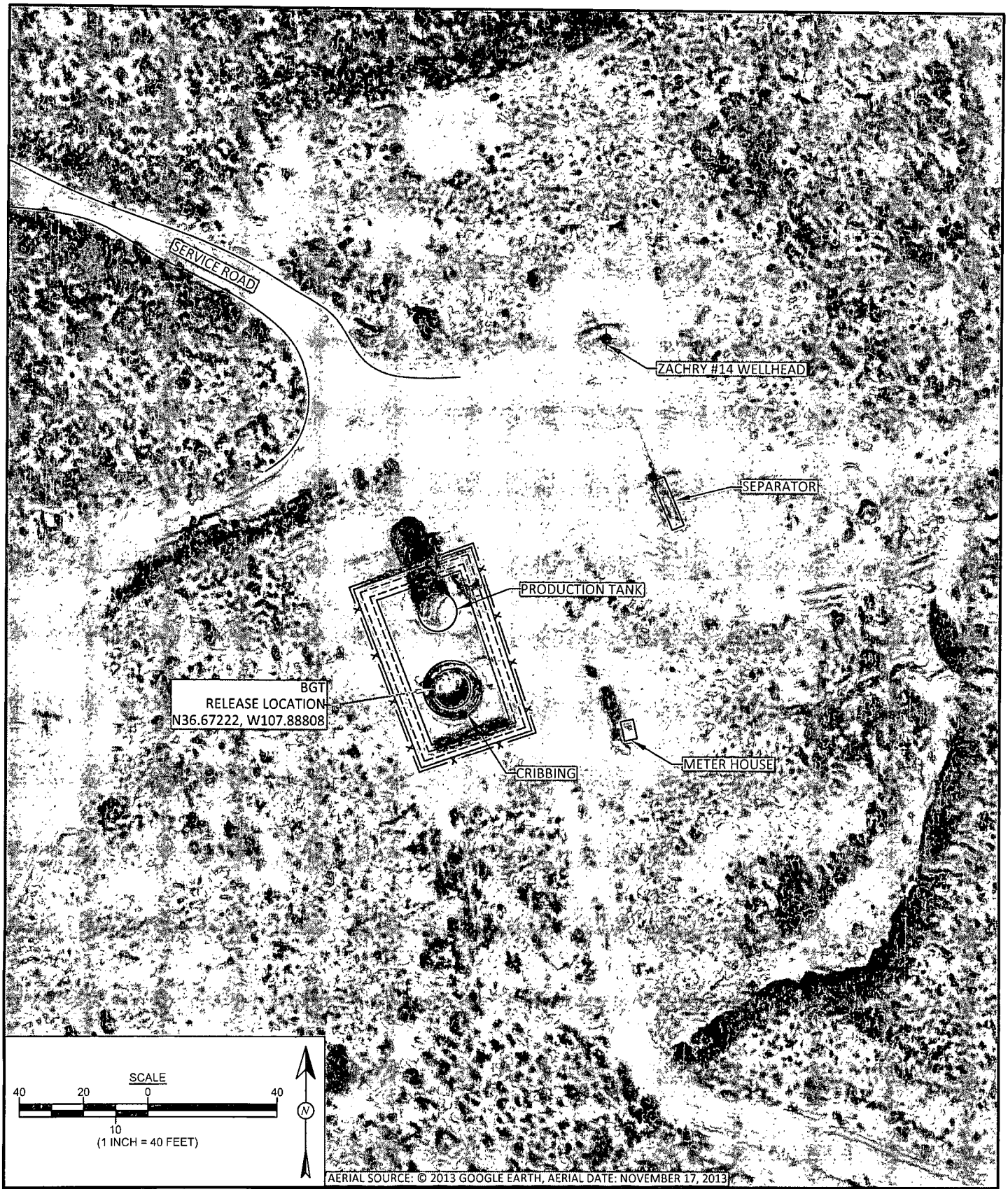
Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, March 2014
Figure 3. Release Assessment Sample Locations and Results, March 2014
AES Field Sampling Report 031014
Hall Laboratory Analytical Report 1403425

SVRMAIN2\Shared\Animas 2000\Dropbox (Animas Environmental)\0000 Animas Server Dropbox EM\2014 Projects\ConocoPhillips\Zachry #14\Zachry #14 Release Assessment Report 051214.docx



AES Animas Environmental Services, LLC	**DRAWN BY:** S. Glasses	**DATE DRAWN:** March 11, 2014	**FIGURE 1**
	REVISIONS BY: C. Lameman	**DATE REVISED:** April 23, 2014	**TOPOGRAPHIC SITE LOCATION MAP** ConocoPhillips ZACHRY #14 SW¼ SW¼, SECTION 10, T28N, R10W SAN JUAN COUNTY, NEW MEXICO N36.67253, W107.88794
	CHECKED BY: D. Watson	**DATE CHECKED:** April 23, 2014	
	APPROVED BY: E. McNally	**DATE APPROVED:** April 23, 2014	

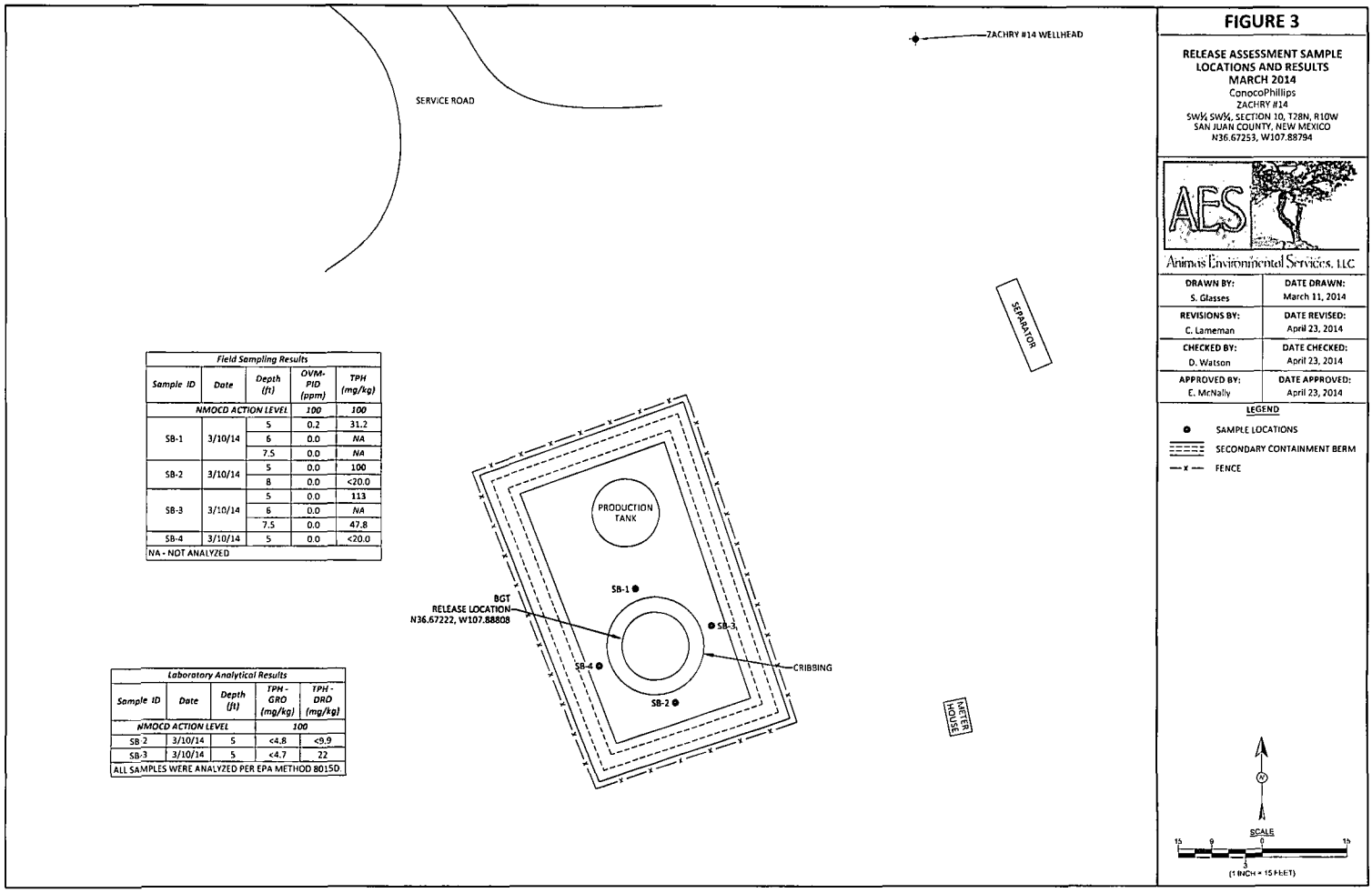


Animas Environmental Services, LLC

DRAWN BY: S. Glasses	**DATE DRAWN:** March 11, 2014	**FIGURE 2**
REVISIONS BY: C. Lameman	**DATE REVISED:** April 23, 2014	**AERIAL SITE MAP** **MARCH 2014** ConocoPhillips ZACHRY #14 SW¼ SW¼, SECTION 10, T28N, R10W SAN JUAN COUNTY, NEW MEXICO N36.67253, W107.88794
CHECKED BY: D. Watson	**DATE CHECKED:** April 23, 2014	
APPROVED BY: E. McNally	**DATE APPROVED:** April 23, 2014	

FIGURE 3

RELEASE ASSESSMENT SAMPLE LOCATIONS AND RESULTS
MARCH 2014
ConocoPhillips
ZACHRY #14
SW¼ SW¼, SECTION 10, T28N, R10W
SAN JUAN COUNTY, NEW MEXICO
N36.67253, W107.88794



Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	100
SB-1	3/10/14	5	0.2	31.2
		6	0.0	NA
		7.5	0.0	NA
SB-2	3/10/14	5	0.0	100
		8	0.0	<20.0
SB-3	3/10/14	5	0.0	113
		6	0.0	NA
		7.5	0.0	47.8
SB-4	3/10/14	5	0.0	<20.0
NA - NOT ANALYZED				

Laboratory Analytical Results				
Sample ID	Date	Depth (ft)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
NMOCD ACTION LEVEL			100	
SB-2	3/10/14	5	<4.8	<9.9
SB-3	3/10/14	5	<4.7	22
ALL SAMPLES WERE ANALYZED PER EPA METHOD 8015D				

Animas Environmental Services, LLC

DRAWN BY: S. Glasses	DATE DRAWN: March 11, 2014
REVISIONS BY: C. Lameman	DATE REVISED: April 23, 2014
CHECKED BY: D. Watson	DATE CHECKED: April 23, 2014
APPROVED BY: E. McNally	DATE APPROVED: April 23, 2014

LEGEND
- SAMPLE LOCATIONS
- SECONDARY CONTAINMENT BERM
- FENCE

N

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

AES Field Sampling 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: Zachry #14

Date: 3/10/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	TPH* (mg/kg)	TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 5'	3/10/2014	12:35	0.2	31.2	13:27	20.0	1	EMS
SB-1 @ 6'	3/10/2014	14:35	0.0	*Not Analyzed for TPH*				
SB-1 @ 7.5'	3/10/2014	14:40	0.0	*Not Analyzed for TPH*				
SB-2 @ 5'	3/10/2014	12:50	0.0	100	13:29	20.0	1	EMS
SB-2 @ 8'	3/10/2014	14:20	0.0	9.4	14:39	20.0	1	EMS
SB-3 @ 5'	3/10/2014	13:00	0.0	113	13:32	20.0	1	EMS
SB-3 @ 6'	3/10/2014	14:12	0.0	*Not Analyzed for TPH*				
SB-3 @ 7.5'	3/10/2014	14:15	0.0	47.8	14:36	20.0	1	EMS
SB-4 @ 5'	3/10/2014	13:10	0.0	*Not Analyzed for TPH*				

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

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Emily Sy

**TPH concentrations recorded may be below PQL.*

Report Finalized:3/10/14

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

March 18, 2014

Debbie Watson
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-4071
FAX (505) 324-2022

RE: CoP Zachry #14 OrderNo.: 1403425

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/11/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1403425**
Date Reported: **3/18/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: CoP Zachry #14
Lab ID: 1403425-001 **Matrix:** SOIL

Client Sample ID: SB-2@5'
Collection Date: 3/10/2014 12:50:00 PM
Received Date: 3/11/2014 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/13/2014 9:29:26 PM	12127
Surr: DNOP	101	66-131		%REC	1	3/13/2014 9:29:26 PM	12127
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/13/2014 2:28:49 PM	12150
Surr: BFB	87.3	74.5-129		%REC	1	3/13/2014 2:28:49 PM	12150

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: CoP Zachry #14
Lab ID: 1403425-002 **Matrix:** SOIL

Client Sample ID: SB-3@5'
Collection Date: 3/10/2014 1:00:00 PM
Received Date: 3/11/2014 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	22	10		mg/Kg	1	3/14/2014 4:41:43 PM	12127
Surr: DNOP	97.3	66-131		%REC	1	3/14/2014 4:41:43 PM	12127
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/13/2014 2:57:23 PM	12150
Surr: BFB	88.3	74.5-129		%REC	1	3/13/2014 2:57:23 PM	12150

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1403425**

18-Mar-14

Client: Animas Environmental Services

Project: CoP Zachry #14

Sample ID **MB-12127**	SampType: **MBLK**			TestCode: **EPA Method 8015D: Diesel Range Organics**					
Client ID: **PBS**	Batch ID: **12127**			RunNo: **17275**					
Prep Date: **3/11/2014**	Analysis Date: **3/13/2014**			SeqNo: **498023**		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	9.1		10.00		91.2	66	131			

Sample ID **LCS-12127**	SampType: **LCS**			TestCode: **EPA Method 8015D: Diesel Range Organics**					
Client ID: **LCSS**	Batch ID: **12127**			RunNo: **17275**					
Prep Date: **3/11/2014**	Analysis Date: **3/13/2014**			SeqNo: **498432**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	60.8	145			
Surr: DNOP	4.7		5.000		94.5	66	131			

Sample ID **MB-12165**	SampType: **MBLK**			TestCode: **EPA Method 8015D: Diesel Range Organics**					
Client ID: **PBS**	Batch ID: **12165**			RunNo: **17309**					
Prep Date: **3/13/2014**	Analysis Date: **3/14/2014**			SeqNo: **499648**		Units: **%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	66	131			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1403425**

18-Mar-14

Client: Animas Environmental Services

Project: CoP Zachry #14

Sample ID **MB-12150**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **12150**	RunNo: **17301**
Prep Date: **3/12/2014**	Analysis Date: **3/13/2014**	SeqNo: **498358** 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	830		1000		82.6	74.5	129			

Sample ID **LCS-12150**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **12150**	RunNo: **17301**
Prep Date: **3/12/2014**	Analysis Date: **3/13/2014**	SeqNo: **498359** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	114	71.7	134			
Surr: BFB	930		1000		93.4	74.5	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

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: 1403425 RcptNo: 1

Received by/date: LM 03/11/14

Logged By: Ashley Gallegos 3/11/2014 9:50:00 AM

Completed By: Ashley Gallegos 3/11/2014 4:44:50 PM

Reviewed By: 03/12/14

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	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	4.1	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: CoP ZACHRY #14

Project #:

Project Manager: D. WATSON

Sampler: E. SKYLES

On Ice: ☑ Yes ☐ No

Sample Temperature: 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. 1403425	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)
3/10/14	12:50	SOIL	SB-2@5'	1-4oz	~~1-4oz~~ non	-001			X									
3/10/14	13:00	SOIL	SB-3@5'	1-4oz	non	-002			X									

Analysis Request

Relinquished by:	Received by:	Date	Time	Remarks:
Emilee Skyles	Mattie Walters	3/10/14	1631	Bill to ConocoPhillips
Mattie Walters		3/10/14	1721	WO: 24071248 USER: KGARCIA
				AREA: 22 ORDERED BY: LINDSAY DUMAS
				SUPERVISOR: ERVIN WYCKOFF ACTIVITY CODES:

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.