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 **Conoco Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company**	Contact **Lisa Hunter**
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 326-9786
Facility Name: **San Juan 30-6 Unit 489**	Facility Type: **Natural Gas**

Surface Owner **Federal**	Mineral Owner **Federal**	API No.**3003924926**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	**24**	**30N**	**06W**	**2310**	**South**	**1465**	**West**	**San Juan**

OIL CONS. DIV DIST. 3

MAY 29 2014

Latitude 36.79693 Longitude -107.41767

NATURE OF RELEASE

Type of Release **Standing Rain Water (with chlorides in bermed area)**	Volume of Release **.2333 BBLs**	Volume Recovered **0 BBLs**
Source of Release **Rainwater soaked bermed breached**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **October 22, 2013**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Jonathan Kelly, NMOCD Shari Ketcham, BLM (left voice message)**	
By Whom? **Lisa Hunter**	Date and Hour **10/24/13 @ 9:04 a.m. 10/24/13 @ 9:15 a.m.**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

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

Describe Cause of Problem and Remedial Action Taken.*
A release of unknown causes was discovered to have traveled off location. Evidence of standing water had breached the berm through a hole at the base, and water contaminated with chlorides had traveled off location greater than 300 feet. Current investigation has ruled out a tank or pipeline release. Reports of standing water (attributed to rainwater) within the berm during the heavy rains around September 26th were reported. The hole in the berm was repaired, and environmental assessment ordered.

Describe Area Affected and Cleanup Action Taken.*
ConocoPhillips will assess the soil to determine a path forward for clean-up if necessary. **Affected area was assessed by third-party environmental. Collected samples were below regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Release. White crusted soil was raked with gypsum per Jonathan Kelly, NMOCD. No further action is required.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION Approved by Environmental Specialist:	
Printed Name: **Lisa Hunter**		
Title: **Field Environmental Specialist**	Approval Date: 6/12/14	Expiration Date:
E-mail Address: Lisa.Hunter@cop.com	Conditions of Approval:	Attached ☐
Date: May 27, 2014 Phone: (505) 326-9786		

* Attach Additional Sheets If Necessary

#NCS1411635034 4

17

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

February 7, 2014

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

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

RE: Release Assessment Report
San Juan 30-6 #489
Rio Arriba County, New Mexico

Dear Ms. Hunter:

On October 29, 2013, Animas Environmental Services, LLC (AES) completed a release assessment at the ConocoPhillips (CoP) San Juan 30-6 #489, located in Rio Arriba County, New Mexico. Rain water from within the containment berm broke through the berm and flowed off location.

1.0 Site Information

1.1 Location

Location – NE¼ SW¼, Section 24, T30N, R6W, Rio Arriba County, New Mexico
Well Head Latitude/Longitude – N36.79718 and W107.41813, respectively
Release Location Latitude/Longitude – N36.79722 and W107.41770, respectively
Land Jurisdiction – Bureau of Land Management
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, October 2013

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 10 based on the following factors:

- **Depth to Groundwater:** A cathodic protection report form dated August 1991 reported the depth to groundwater at 150 feet below ground surface (bgs). (0 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** An unnamed ephemeral wash which drains northeast to the wash in La Jara Canyon is approximately 945 feet southeast of the location. (10 points)

1.3 Assessment

AES was initially contacted by Lisa Hunter of CoP on October 21, 2013, and on October 29, 2013, Deborah Watson and Jesse Christopherson of AES completed the release assessment field work. The assessment included collection and field screening of 26 soil samples from 16 soil borings (8 onsite and 8 offsite) within the release area. Two samples, SC-1 and SC-2, were composited from surface samples collected from SB-2 through SB-8 and OS-1 through OS-8, respectively. Sample locations are shown on Figure 3.

2.0 Soil Sampling

A total of 26 soil samples from 16 borings (SB-1 through SB-8 and OS-1 through OS-8) and 2 composite samples (SC-1 and SC-2) were collected during the assessments. Selected samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). The two composite samples (SC-1 and SC-2) were submitted for confirmation laboratory analysis.

2.1 Field Screening

2.1.1 Volatile Organic Compounds

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

2.1.2 Total Petroleum Hydrocarbons

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

2.2 Laboratory Analyses

The soil samples collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. Samples SC-1 and SC-2 were laboratory analyzed for:

- Chlorides per U.S. Environmental Protection Agency (USEPA) Method 300.0.

2.3 Field Screening and Laboratory Analytical Results

On October 29, 2013, release assessment field screening results for VOCs via OVM showed concentrations ranging from 0.0 ppm up to 0.8 ppm in SB-8. All field TPH concentrations were reported at less than 20.0 mg/kg. 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
San Juan 30-6 #489 Release Assessment, October 2013

Sample ID	*Date Sampled*	*Sample Depth (ft bgs)*	*VOCs via OVM (ppm)*	*Field TPH (mg/kg)*
*NMOCD Action Level**			*100*	*1,000*
SB-1	10/29/13	Surface	0.0	<20.0
		2	0.0	<20.0
SB-2	10/29/13	Surface	0.0	NA
		2	0.0	<20.0
SB-3	10/29/13	Surface	0.0	<20.0
		2	NA	NA
SB-4	10/29/13	Surface	0.3	NA
		1.4	NA	NA
SB-5	10/29/13	Surface	0.0	NA
		2	0.0	NA
SB-6	10/29/13	Surface	0.0	<20.0
		0.67	NA	NA
SB-7	10/29/13	Surface	0.0	NA
		2	NA	NA
SB-8	10/29/13	Surface	0.8	<20.0

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (mg/kg)
*NMOCD Action Level**			*100*	*1,000*
		2	NA	NA
OS-1	10/29/13	0 to 0.5	0.0	<20.0
OS-2	10/29/13	0 to 0.5	NA	NA
OS-3	10/29/13	0 to 0.5	0.0	<20.0
OS-4	10/29/13	0 to 0.5	0.0	<20.0
OS-5	10/29/13	0 to 0.5	NA	NA
OS-6	10/29/13	0 to 0.5	NA	NA
OS-7	10/29/13	0 to 0.5	0.2	NA
OS-8	10/29/13	0 to 0.5	NA	NA

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 SC-1 and SC-2 reported chloride concentrations of 240 mg/kg and 450 mg/kg, respectively. Results are presented in Table 2 and on Figure 3. The laboratory analytical report is attached.

Table 2. Laboratory Analytical Results – Chlorides
San Juan 30-6 #489 Release Assessment, October 2013

Sample ID	Date Sampled	Sample Depth (ft bgs)	Chlorides (mg/kg)
*NMOCD Action Level**			*NE*
SC-1	10/29/13	surface	240
SC-2	10/29/13	0 to 0.5	450

NE – not established
*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 October 29, 2013, AES conducted a release assessment at the San Juan 30-6 #489. The release resulted when rain water within the containment berm broke through the berm and traveled offsite. 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 10.

Release assessment field screening results were below the NMOCD action level of 100 ppm VOCs and 1,000 mg/kg TPH in all samples. The highest VOC concentration was reported in SB-8 with 0.8 ppm, and each sample field screened for TPH reported concentrations of less than 20.0 mg/kg. Laboratory analyses for SC-1 and SC-2 were collected in addition to field screening results. Chloride concentrations were measured at 240 mg/kg in SC-1 and 450 mg/kg in SC-2.

Based on final field screening and laboratory analytical results of the release assessment at the San Juan 30-6 #489, VOC and TPH concentrations were reported below applicable NMOCD action levels.

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

Sincerely,

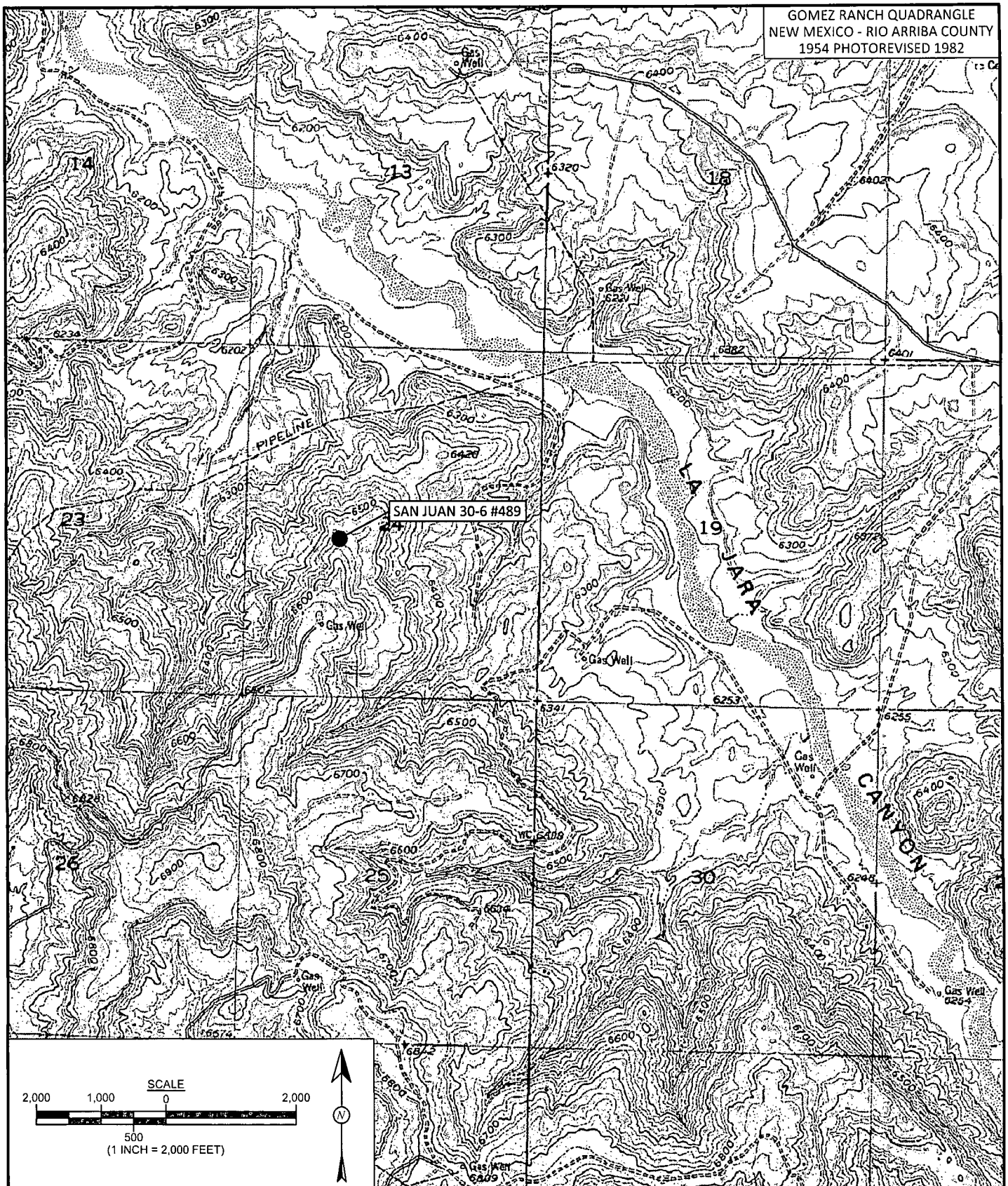
David J. Reese
Environmental Scientist

Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, October 2013
Figure 3. Release Assessment Sample Locations and Results, October 2013
AES Field Screening Report 102913
Hall Laboratory Analytical Report 1310D98

R:\Animas 2000\Dropbox\0000 Animas Server Dropbox EM\2014 Projects\ConocoPhillips\SJ 30-6 #489\San Juan 30-6 #489 Release Assessment Report 020714.docx

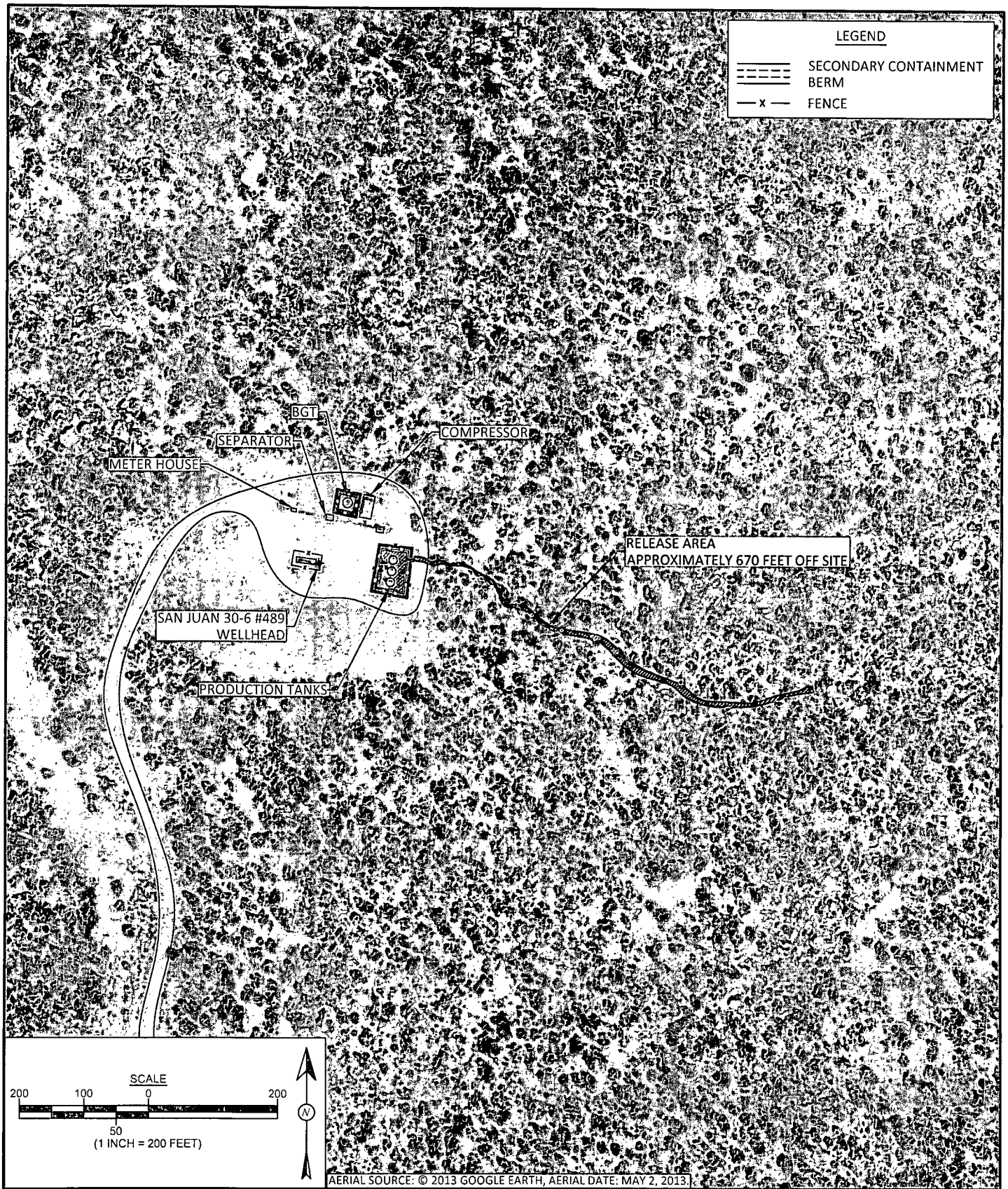


DRAWN BY: C. Lameman	**DATE DRAWN:** November 4, 2013
REVISIONS BY: C. Lameman	**DATE REVISED:** November 4, 2013
CHECKED BY: D. Watson	**DATE CHECKED:** November 4, 2013
APPROVED BY: E. McNally	**DATE APPROVED:** November 4, 2013

Animas Environmental Services, LLC

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
ConocoPhillips
SAN JUAN 30-6 #489
NE¼ SW¼, SECTION 24, T30N, R6W
RIO ARRIBA COUNTY, NEW MEXICO
N36.79718, W107.41813

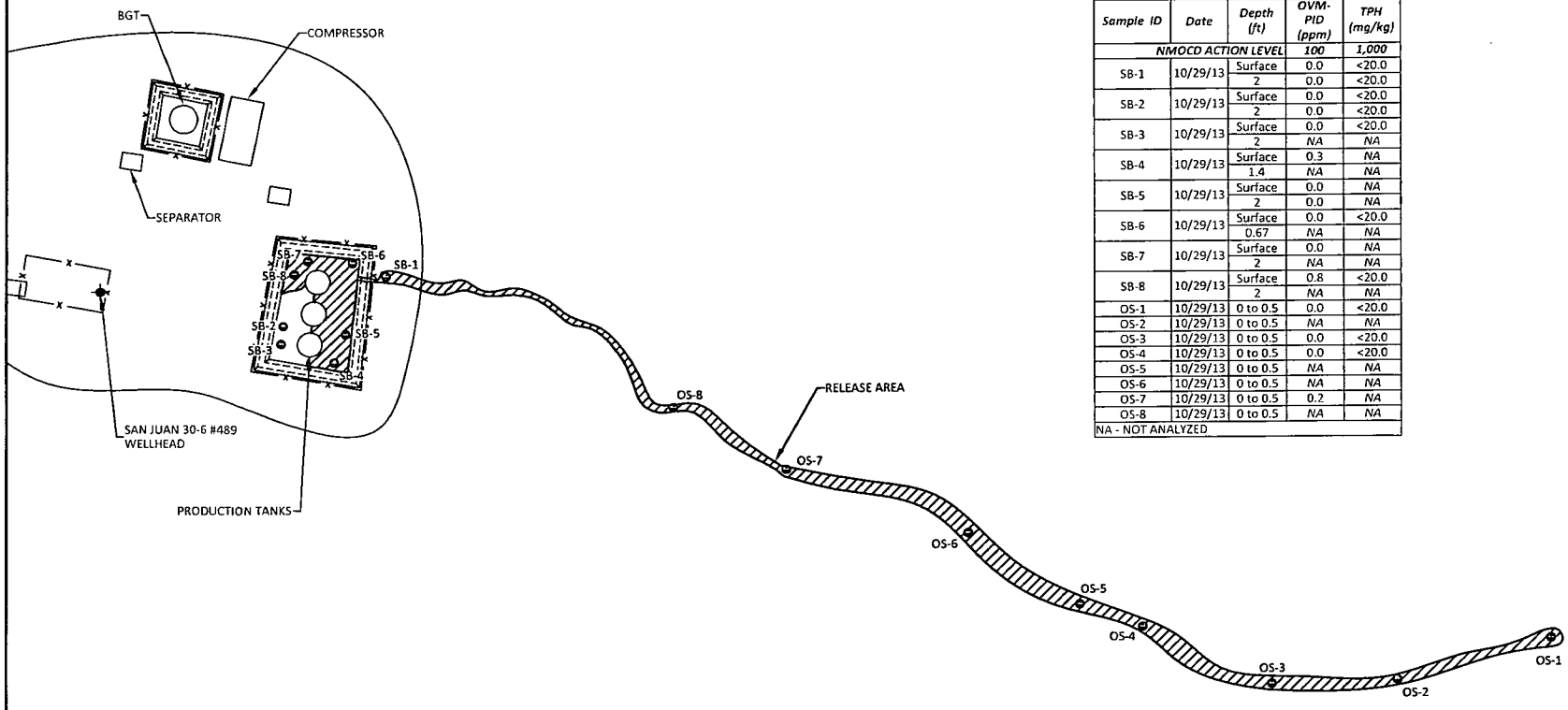


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	**DATE DRAWN:** November 4, 2013	**FIGURE 2**
REVISIONS BY: C. Lameman	**DATE REVISED:** November 4, 2013	**AERIAL SITE MAP OCTOBER 2013**
CHECKED BY: D. Watson	**DATE CHECKED:** November 4, 2013	ConocoPhillips SAN JUAN 30-6 #489 NE¼ SW¼, SECTION 24, T30N, R6W RIO ARRIBA COUNTY, NEW MEXICO N36.79718, W107.41813
APPROVED BY: E. McNally	**DATE APPROVED:** November 4, 2013	

FIGURE 3

RELEASE ASSESSMENT SAMPLE LOCATIONS AND RESULTS
OCTOBER 2013
ConocoPhillips
SAN JUAN 30-6 #489
NE¼ SW¼, SECTION 24, T30N, R6W
RIO ARRIBA COUNTY, NEW MEXICO
N36.79718, W107.41813



Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	1,000
SB-1	10/29/13	Surface	0.0	<20.0
		2	0.0	<20.0
SB-2	10/29/13	Surface	0.0	<20.0
		2	0.0	<20.0
SB-3	10/29/13	Surface	0.0	<20.0
		2	NA	NA
SB-4	10/29/13	Surface	0.3	NA
		1.4	NA	NA
SB-5	10/29/13	Surface	0.0	NA
		2	0.0	NA
SB-6	10/29/13	Surface	0.0	<20.0
		0.67	NA	NA
SB-7	10/29/13	Surface	0.0	NA
		2	NA	NA
SB-8	10/29/13	Surface	0.8	<20.0
		2	NA	NA
OS-1	10/29/13	0 to 0.5	0.0	<20.0
OS-2	10/29/13	0 to 0.5	NA	NA
OS-3	10/29/13	0 to 0.5	0.0	<20.0
OS-4	10/29/13	0 to 0.5	0.0	<20.0
OS-5	10/29/13	0 to 0.5	NA	NA
OS-6	10/29/13	0 to 0.5	NA	NA
OS-7	10/29/13	0 to 0.5	0.2	NA
OS-8	10/29/13	0 to 0.5	NA	NA

NA - NOT ANALYZED

Laboratory Analytical Results			
Sample ID	Date	Depth (ft)	Chlorides (mg/kg)
NMOCD ACTION LEVEL			NE
SC-1	10/29/13	Surface	240
SC-2	10/29/13	0 to 0.5	450

SC-1 WAS A COMPOSITE SAMPLE OF SB-2 THROUGH SB-8 AT THE SURFACE. SC-2 WAS A COMPOSITE SAMPLE OF OS-1 THROUGH OS-8. ALL SAMPLES WERE ANALYZED PER EPA METHOD 300.0. NE - NOT ESTABLISHED

Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: November 4, 2013
REVISIONS BY: C. Lameman	DATE REVISED: February 3, 2014
CHECKED BY: D. Watson	DATE CHECKED: February 3, 2014
APPROVED BY: E. McNally	DATE APPROVED: February 3, 2014

LEGEND

- SAMPLE LOCATIONS
- SECONDARY CONTAINMENT BERM
- —x— FENCE

SCALE
60 40 0 60
20
(1 INCH = 60 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: San Juan 30-6 #489

Date: 10/29/2013

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ surface	10/29/2013	11:50	0.0	17.8	13:42	20.0	1	DAW
SB-1 @ 2'	10/29/2013	11:52	0.0	7.0	13:45	20.0	1	DAW
SB-2 @ surface	10/29/2013	12:30	0.0	*Not Analyzed for TPH*				
SB-2 @ 2'	10/29/2013	12:33	0.0	11.1	13:48	20.0	1	DAW
SB-3 @ surface	10/29/2013	12:35	0.0	12.4	13:50	20.0	1	DAW
SB-3 @ 2'	10/29/2013	12:40	NA	*Not Analyzed for TPH*				
SB-4 @ surface	10/29/2013	12:45	0.3	*Not Analyzed for TPH*				
SB-4 @ 1.4'	10/29/2013	12:50	NA	*Not Analyzed for TPH*				
SB-5 @ surface	10/29/2013	12:55	0.0	*Not Analyzed for TPH*				
SB-5 @ 2'	10/29/2013	13:00	0.0	*Not Analyzed for TPH*				
SB-6 @ surface	10/29/2013	13:05	0.0	17.8	13:55	20.0	1	DAW
SB-6 @ 8"	10/29/2013	13:08	NA	*Not Analyzed for TPH*				
SB-7 @ surface	10/29/2013	13:10	0.0	*Not Analyzed for TPH*				

Report Finalized: 10/29/13

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-7 @ 2'	10/29/2013	13:15	NA	*Not Analyzed for TPH*				
SB-8 @ surface	10/29/2013	13:18	0.8	9.72	14:00	20.0	1	DAW
SB-8 @ 2'	10/29/2013	13:20	NA	*Not Analyzed for TPH*				
OS-1	10/29/2013	11:15	0.0	9.72	12:10	20.0	1	DAW
OS-2	10/29/2013	11:20	NA	*Not Analyzed for TPH*				
OS-3	10/29/2013	11:23	0.0	4.34	12:12	20.0	1	DAW
OS-4	10/29/2013	11:25	0.0	4.34	12:15	20.0	1	DAW
OS-5	10/29/2013	11:30	NA	*Not Analyzed for TPH*				
OS-6	10/29/2013	11:35	NA	*Not Analyzed for TPH*				
OS-7	10/29/2013	11:38	0.2	*Not Analyzed for TPH*				
OS-8	10/29/2013	11:40	NA	*Not Analyzed for TPH*				

DF Dilution Factor
NA Not Analyzed
ND Not Detected at the Reporting Limit
PQL Practical Quantitation Limit
**Field TPH concentrations recorded may be below PQL.*

Analyst: Deborah Watts

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

November 06, 2013

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

RE: CoP San Juan 30-6 #489 OrderNo.: 1310D98

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/30/2013 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. 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 **1310D98**
Date Reported: **11/6/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: CoP San Juan 30-6 #489
Lab ID: 1310D98-001 **Matrix:** SOIL

Client Sample ID: SC-1 (w/in berm@sur)
Collection Date: 10/29/2013 2:20:00 PM
Received Date: 10/30/2013 9:44:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	240	7.5		mg/Kg	5	10/31/2013 1:33:08 PM	10107

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

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 for VOA and TOC only.
RL	Reporting Detection Limit

Analytical Report
Lab Order **1310D98**
Date Reported: **11/6/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: CoP San Juan 30-6 #489
Lab ID: 1310D98-002 **Matrix:** SOIL

Client Sample ID: SC-2 (offsite@sur)
Collection Date: 10/29/2013 2:25:00 PM
Received Date: 10/30/2013 9:44:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	450	30		mg/Kg	20	11/4/2013 2:38:06 PM	10107

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1310D98**

06-Nov-13

Client: Animas Environmental

Project: CoP San Juan 30-6 #489

Sample ID	**MB-10107**	SampType: **MBLK**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID: **10107**			RunNo: **14470**					
Prep Date:	**10/30/2013**	Analysis Date: **10/30/2013**			SeqNo: **415718**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-10107**	SampType: **LCS**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID: **10107**			RunNo: **14470**					
Prep Date:	**10/30/2013**	Analysis Date: **10/30/2013**			SeqNo: **415719**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

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 for VOA and TOC only.
- 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: 1310D98 | RcptNo: 1

Received by/date: MG 10/30/13

Logged By: Michelle Garcia 10/30/2013 9:44:00 AM Michelle Garcia

Completed By: Michelle Garcia 10/30/2013 10:12:22 AM Michelle Garcia

Reviewed By: 10/30/13

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

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

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

Project Name: CoP San Juan 30-6 #489

Project #:

Project Manager: D. Watson

Sampler: D Watson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0

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. 1310D98	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)
10-29-13	1420	Soil	SC-1 (w/in berm @ surf)	1-4oz	—	-001												X				
10-29-13	1425	Soil	SC-2 (offsite @ surf)	1-4oz	—	-002												X				

OIL CONS. DIV DIST. 3

MAY 29 2014

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/29/13	1717	Deborah Watson	Christine Walker	10/29/13	1717
10/29/13	1740	Christine Walker	Mellissa Cox	10/30/13	0944

Remarks: Bill to ConocoPhillips

WO:
Area: 8
User: KGARCIA

Requested by: Lisa Hunter

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.