OIL CONS. DIV DIST. 3

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

JUL 08 2016

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 **Lisa Hunter**
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 258-1607
Facility Name: San Juan 28-7 145F	Facility Type: Gas

Surface Owner BLM	Mineral Owner SF-078972	API No. 30-039-27078

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	**10**	**27N**	**07W**	**1835'**	**FNL**	**1810'**	**FWL**	**Rio Arriba**

Latitude: 36.59067 Longitude: -107.56441

NATURE OF RELEASE

Type of Release Hydrocarbons and produced water	Volume of Release 38 bbls HC/ 23 bbls PW	Volume Recovered 0 bbls
Source of Release Production tank drain line	Date and Hour of Occurrence **unknown**	Date and Hour of Discovery **8/6/2015**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Cory Smith and Shari Ketcham**	
By Whom? Lindsay Dumas	Date and Hour 8/6/2015 @ 12:30 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. **N/A**	

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

Describe Cause of Problem and Remedial Action Taken.*
A vandal opened the drain valve and moved the drain line from dumping into the pit to dumping into the cribbing; releasing 61 total bbls of condensate and produced water into cribbing.

Describe Area Affected and Cleanup Action Taken.*

Excavation was 26' x 35' x 2-6' Deep. 100 c/yds of soil was transported to IEI Land Farm. 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: 7/27/2016 Expiration Date:
E-mail Address: **Lisa.Hunter@cop.com**	Conditions of Approval: nCS1524454108 Attached ☐
Date: 07/01/2016 Phone: (505) 258-1607	

* Attach Additional Sheets If Necessary

27

May 26, 2016

Lisa Hunter
ConocoPhillips
San Juan Business Unit
(505) 326-9786

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

RE: Release Assessment and Final Excavation Report
San Juan 28-7 #145F
Rio Arriba County, New Mexico

Dear Ms. Hunter:

On August 25, 2015, and April 13 and 14, 2016, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (COPC) San Juan 28-7 #145F, located in Rio Arriba County, New Mexico. The release consisted of approximately 38 barrels (bbls) of condensate and 23 bbls of produced water associated with vandalism of the below grade tank (BGT). The initial release assessment was completed by AES on August 25, 2015, and the final excavation was completed by COPC contractors prior to AES' arrival at the location on April 14, 2016.

1.0 Site Information

1.1 Location

Site Name – San Juan 28-7 #145F
Location – SE¼ NW¼, Section 10, T27N, R7W, Rio Arriba County, New Mexico
Well Head Latitude/Longitude – N36.59091 and W107.56440, respectively
Release Location Latitude/Longitude – N36.59067 and W107.56441, respectively
Land Jurisdiction – Bureau of Land Management (BLM)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, August 2015

604 W. Piñon St.
Farmington, NM 87401
505-564-2281

1911 Main, Ste 200
Durango, CO 81301
970-403-3084

www.animasenvironmental.com

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 0 based on the following factors:

- **Depth to Groundwater:** Based on elevation, topographic interpretation and visual reconnaissance, depth to groundwater is interpreted to be greater than 100 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:** Adolfo Canyon is located 1,100 feet south of the location. (0 points)

1.3 Assessment

AES was initially contacted by Lindsay Dumas of COPC on August 17, 2015, and on August 25, 2015, Emilee Skyles and Sam Glasses of AES completed the release assessment field work. The assessment included collection and field sampling of 14 soil samples from 8 borings in and around the release area. Soil borings were terminated between 0.5 and 2 feet. Based on field sampling results, AES recommended excavation of the release area. Sample locations and results, in addition to the associated geologic cross sections, are shown on Figure 3 and Figure 4, respectively.

On April 13 and 14, 2016, AES returned to the location to collect confirmation soil samples of the excavation. The field sampling activities included collection of five confirmation soil samples (SC-1 through SC-5) from the walls and base of the excavation. The area of the final excavation measured approximately 26 feet by 35 feet by 2 to 6 feet in depth. Sample locations and final excavation extents are presented on Figure 5.

2.0 Soil Sampling

A total of 14 soil samples from eight borings (SB-1 through SB-8) and five 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 analyzed for total petroleum hydrocarbons (TPH). All composite samples (SC-1 through SC-5) collected during the excavation clearance were 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:

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

2.3 Field and Laboratory Analytical Results

On August 25, 2015, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 0.3 ppm in SB-8 up to 3,338 ppm in SB-3. Field TPH concentrations ranged from 32.7 mg/kg in SB-2 and SB-5 up to 9,280 mg/kg in SB-3.

On April 13 and 14, 2016, final excavation field screening results for VOCs via OVM ranged from 61.7 ppm in SC-1 up to 3,575 ppm in SC-5. Field TPH concentrations ranged from 39.4 mg/kg in SC-2 up to 4,850 mg/kg in SC-5. Results are included below in Table 1 and on Figures 3 and 4. The AES Field Sampling Reports are attached.

Table 1. Soil Field VOCs and TPH Results
San Juan 28-7 #145F Initial Release Assessment and Final Excavation
August 2015 and April 2016

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
*NMOCD Action Level**			*100*	*5,000*
SB-1	8/25/15	0.5	2.2	NA
		2	88.1	48.0
SB-2	8/25/15	0.5	5.8	NA
		1.5	18.7	32.7
SB-3	8/25/15	0.5	**3,338**	1,950
		2	**1,762**	**9,280**
SB-4	8/25/15	0.5	47.9	NA
		2	**2,145**	**6,413**
SB-5	8/25/15	0.5	15.8	NA
		1.5	17.7	32.7
SB-6	8/25/15	0.5	3.7	41.1
SB-7	8/25/15	0.5	2.5	53.5
SB-8	8/25/15	0.5	0.3	NA
		1.5	0.5	43.8
SC-1	4/14/16	0 to 4	61.7	47.0
SC-2	4/14/16	0 to 6	83.8	39.4
SC-3	4/13/16	0 to 6	**3,537**	2,910
SC-4	4/14/16	0 to 2	**296**	156
SC-5	4/14/16	2 to 6	**3,575**	4,850

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 through SC-5 were used to confirm field sampling results from the final excavation. Benzene concentrations in all samples were reported below laboratory detection limits, which ranged from 0.019 mg/kg to 0.89 mg/kg. Total BTEX concentrations ranged from 0.27 mg/kg up to 68.1 mg/kg. TPH concentrations as GRO/DRO were reported below laboratory detection limits in SC-1 and SC-2, and ranged up to 1,970 mg/kg. Results are presented in Table 2 and on Figure 5. The laboratory analytical report is attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH
San Juan 28-7 #145F Initial Release Assessment and Final Excavation
August 2015 and April 2016

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*	*5,000*	
SC-1	4/14/16	0 to 4	<0.019	0.48	<3.9	<9.8
SC-2	4/14/16	0 to 6	<0.018	0.27	<3.6	<9.5
SC-3	4/13/16	0 to 6	<0.37	34.7	460	820
SC-4	4/14/16	0 to 2	<0.019	0.28	5.8	45
SC-5	4/14/16	2 to 6	<0.89	**68.1**	870	1,100

*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 August 25, 2015, AES conducted an initial assessment of petroleum contaminated soils associated with vandalism of the BGT at the San Juan 28-7 #145F. 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 0.

Initial assessment field sampling results above the NMOCD action level of 100 ppm VOCs and 5,000 mg/kg TPH were reported in SB-3 and SB-4. The highest VOC and TPH concentrations were reported in SB-3 with 3,338 ppm and 9,280 mg/kg, respectively. Based on these results, excavation of the impacted area was recommended.

On April 13 and 14, 2016, final clearance of the excavation area was completed. Field sampling results of the excavation extents showed that VOC concentrations were below applicable NMOCD action levels for two of the final walls, SC-1 (north wall) and SC-2 (south wall), while the remaining walls and base of the excavation remained above action levels, with 296 ppm for SC-4 (west wall) up to 3,575 ppm for SC-5 (base). Field TPH concentrations were below the applicable NMOCD action level of 5,000 mg/kg for all of the final walls and base of the excavation. Laboratory analytical results reported benzene and total BTEX concentrations below NMOCD action levels with the exception of SC-5, which reported total BTEX at 68.1 mg/kg. TPH concentrations as GRO/DRO were reported below the applicable NMOCD action level in all samples.

Based on the final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the San Juan 28-7 #145F, benzene, total BTEX, and TPH

concentrations were below the applicable NMOCD action levels for all of the final sidewalls. However, the base of the excavation (SC-5) exceeded the applicable NMOCD action level for total BTEX at 68 mg/kg. On April 22, 2016, COPC received approval to backfill the excavation from Cory Smith of the NMOCD and on April 25, 2016, received approval from Katherina Diemer of the BLM. No further work is recommended.

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

Sincerely,

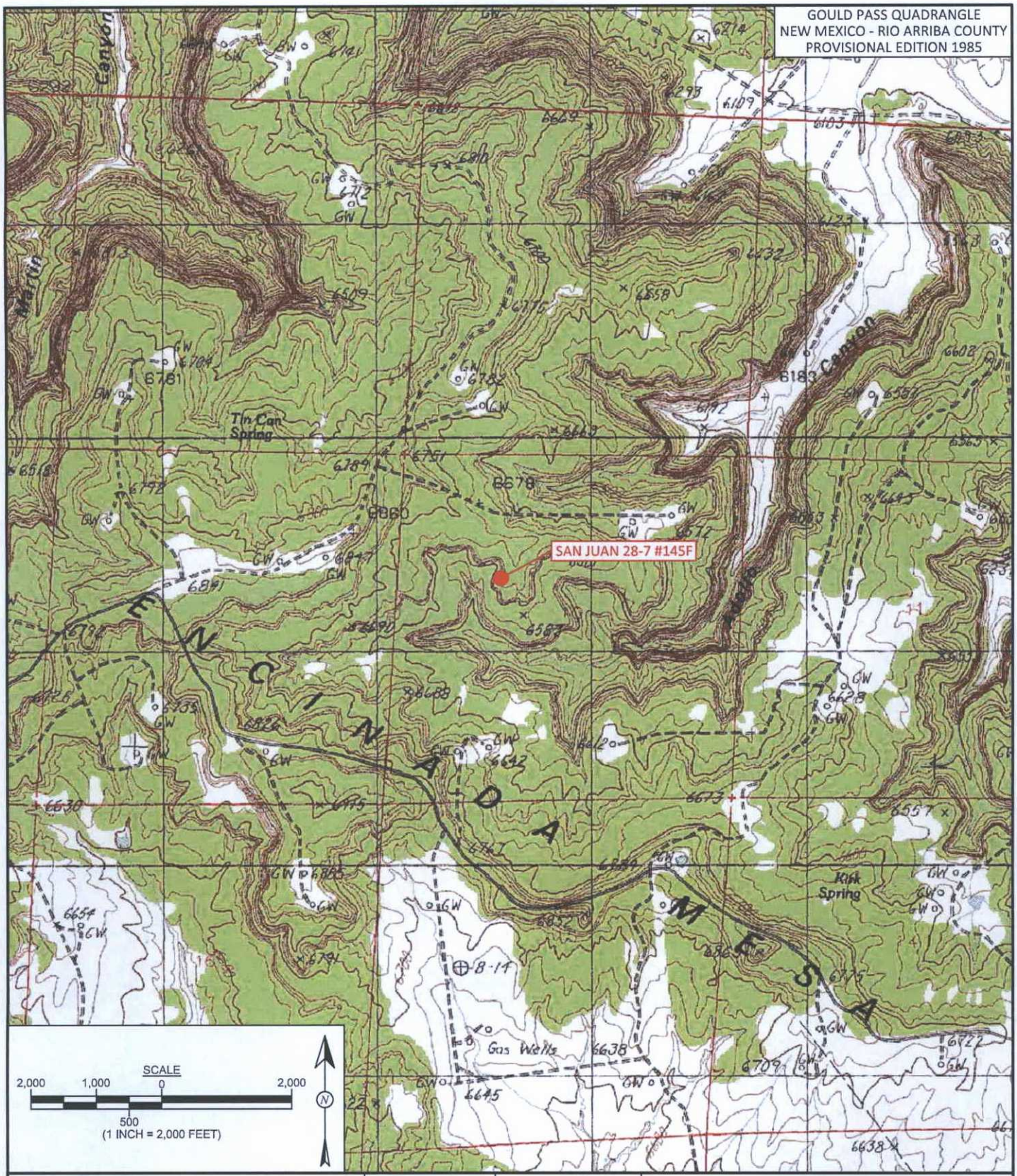
Emilee Skyles
Geologist/Project Lead

Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, August 2015
Figure 3. Release Assessment Sample Locations and Results, August 2015 Figure 4. Initial Assessment Cross-Section
Figure 5. Final Excavation Sample Locations and Results, April 2016
AES Field Sampling Report 082515
AES Field Sampling Report 041316
AES Field Sampling Report 041416
Hall Laboratory Analytical Report 1604644

C:\Users\eskyles\Dropbox (Animas Environmental)\2016 Client Projects\ConocoPhillips\SJ 28-7 #145F\COPC SJ 28-7 #145F Release and Final Excavation Report 052616.docx



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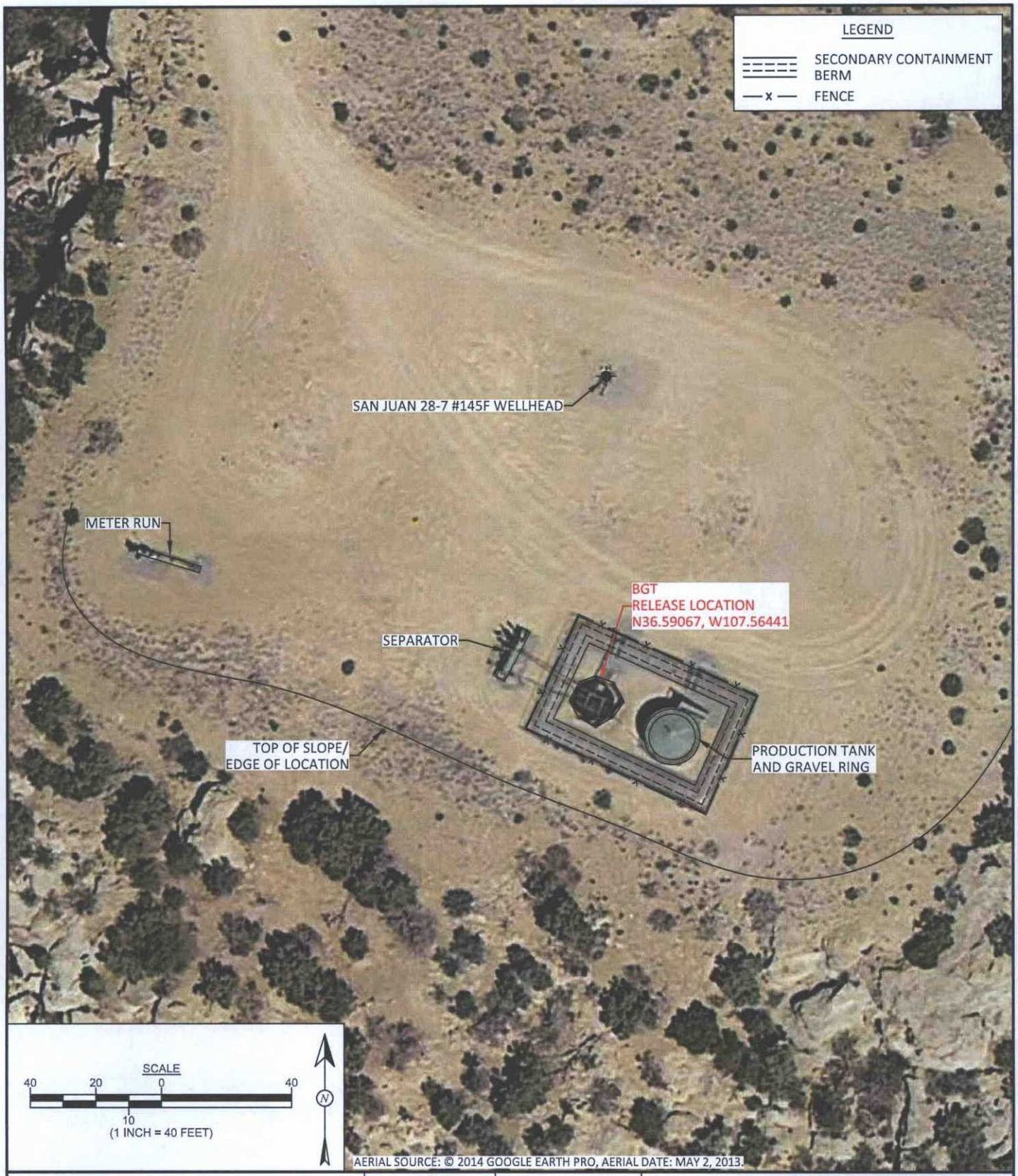
DRAWN BY: D. Dougi	**DATE DRAWN:** September 1, 2015
REVISIONS BY: D. Dougi	**DATE REVISED:** September 1, 2015
CHECKED BY: E. Skyles	**DATE CHECKED:** May 6, 2016
APPROVED BY: E. McNally	**DATE APPROVED:** May 6, 2016

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP

ConocoPhillips
SAN JUAN 28-7 #145F
SE¼ NW¼, SECTION 10, T27N, R7W
RIO ARRIBA COUNTY, NEW MEXICO
N36.59091, W107.56440



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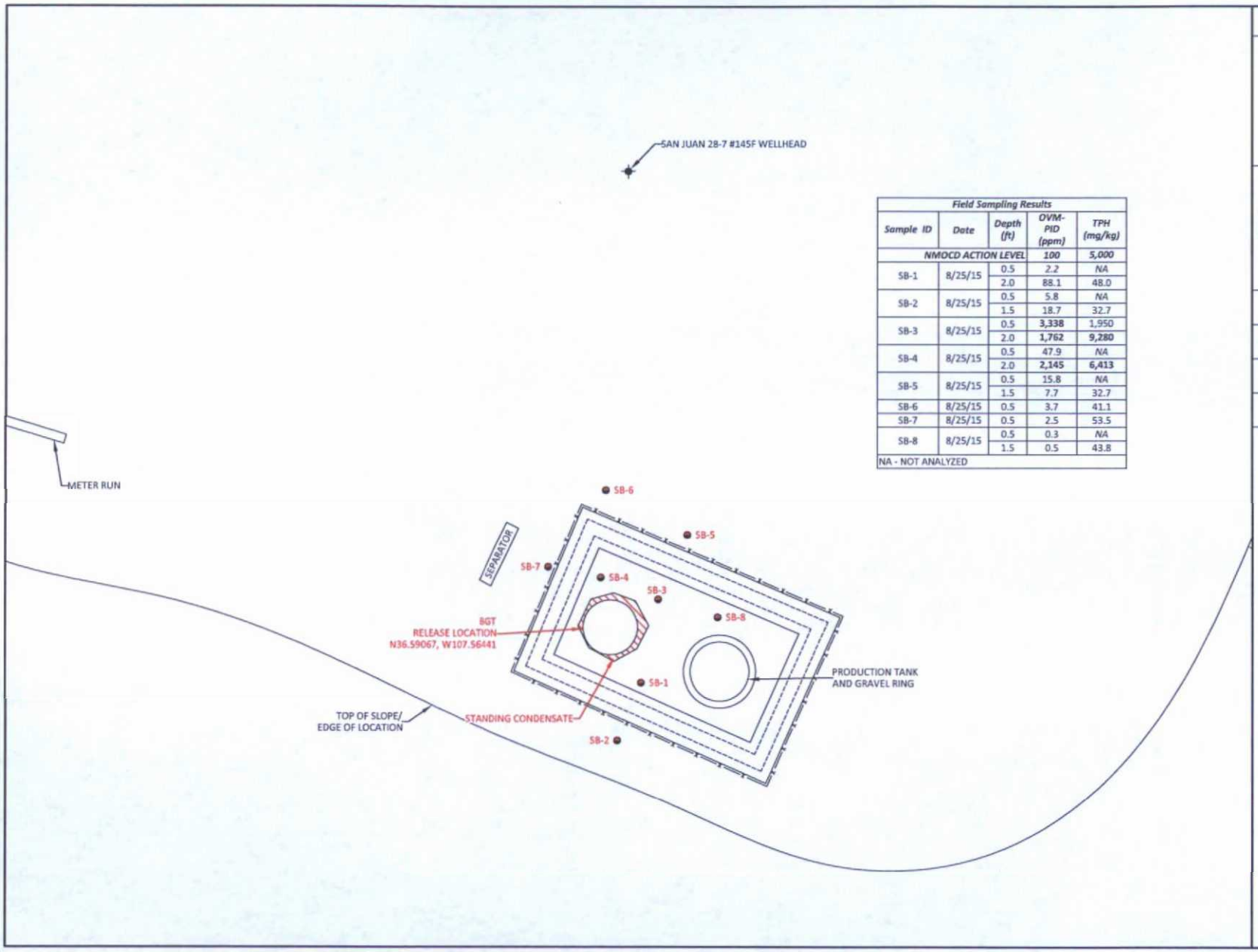
DRAWN BY: D. Dougi	**DATE DRAWN:** September 1, 2015
REVISIONS BY: C. Lameman	**DATE REVISED:** May 6, 2016
CHECKED BY: E. Skyles	**DATE CHECKED:** May 6, 2016
APPROVED BY: E. McNally	**DATE APPROVED:** May 6, 2016

FIGURE 2

AERIAL SITE MAP
AUGUST 2015
ConocoPhillips
SAN JUAN 28-7 #145F
SE¼ NW¼, SECTION 10, T27N, R7W
RIO ARRIBA COUNTY, NEW MEXICO
N36.59091, W107.56440

FIGURE 3

RELEASE ASSESSMENT SAMPLE LOCATIONS AND RESULTS
AUGUST 2015
ConocoPhillips
SAN JUAN 28-7 #145F
SE¼ NW¼, SECTION 10, T27N, R7W
RIO ARRIBA COUNTY, NEW MEXICO
N36.59091, W107.56440



Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	5,000
SB-1	8/25/15	0.5	2.2	NA
		2.0	88.1	48.0
SB-2	8/25/15	0.5	5.8	NA
		1.5	18.7	32.7
SB-3	8/25/15	0.5	**3,338**	1,950
		2.0	**1,762**	**9,280**
SB-4	8/25/15	0.5	47.9	NA
		2.0	**2,145**	**6,413**
SB-5	8/25/15	0.5	15.8	NA
		1.5	7.7	32.7
SB-6	8/25/15	0.5	3.7	41.1
SB-7	8/25/15	0.5	2.5	53.5
SB-8	8/25/15	0.5	0.3	NA
		1.5	0.5	43.8
NA - NOT ANALYZED				

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DRAWN BY: C. Lameman	**DATE DRAWN:** August 26, 2015
REVISIONS BY: C. Lameman	**DATE REVISED:** May 6, 2016
CHECKED BY: E. Skyles	**DATE CHECKED:** May 6, 2016
APPROVED BY: E. McNally	**DATE APPROVED:** May 6, 2016

LEGEND

- SOIL BORING LOCATIONS
- SECONDARY CONTAINMENT BERM
- FENCE

SCALE
20 10 0 20
(1 INCH = 20 FEET)

FIGURE 4

INITIAL ASSESSMENT CROSS SECTION
AUGUST 2015
ConocoPhillips
SAN JUAN 28-7 #145F
SE¼ NW¼, SECTION 10, T27N, R7W
RIO ARRIBA COUNTY, NEW MEXICO
N36.59091, W107.56440

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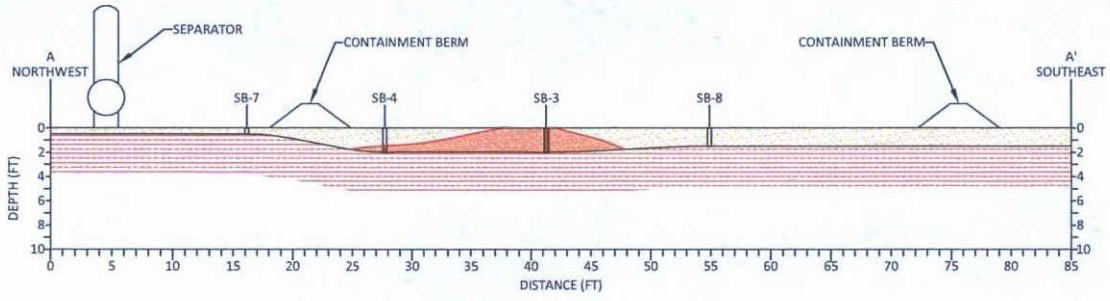
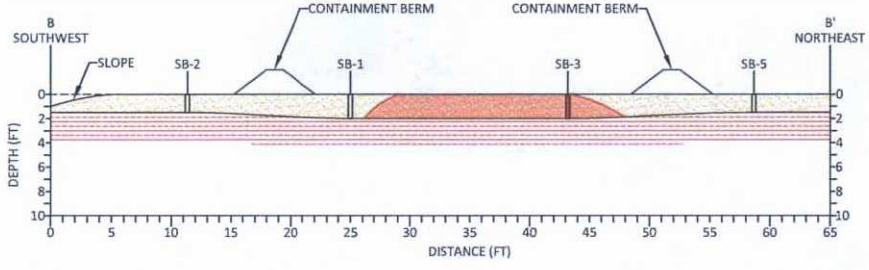
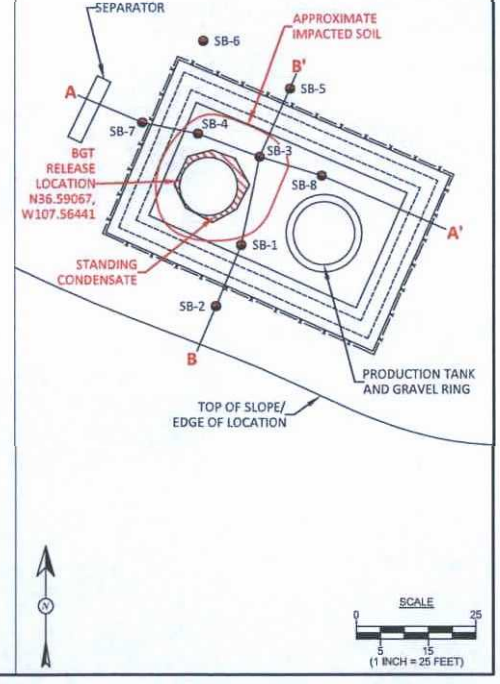
DRAWN BY:	DATE DRAWN:
C. Lameman	September 10, 2015
REVISIONS BY:	**DATE REVISED:**
C. Lameman	May 6, 2016
CHECKED BY:	**DATE CHECKED:**
E. Skyles	May 6, 2016
APPROVED BY:	**DATE APPROVED:**
E. McNally	May 6, 2016

LEGEND

- SOIL BORING LOCATIONS
- SECONDARY CONTAINMENT BERM
- FENCE
- SAND
- SANDSTONE
- APPROXIMATE EXTENT OF IMPACTED SOIL (IN-PLACE 40 YD³)



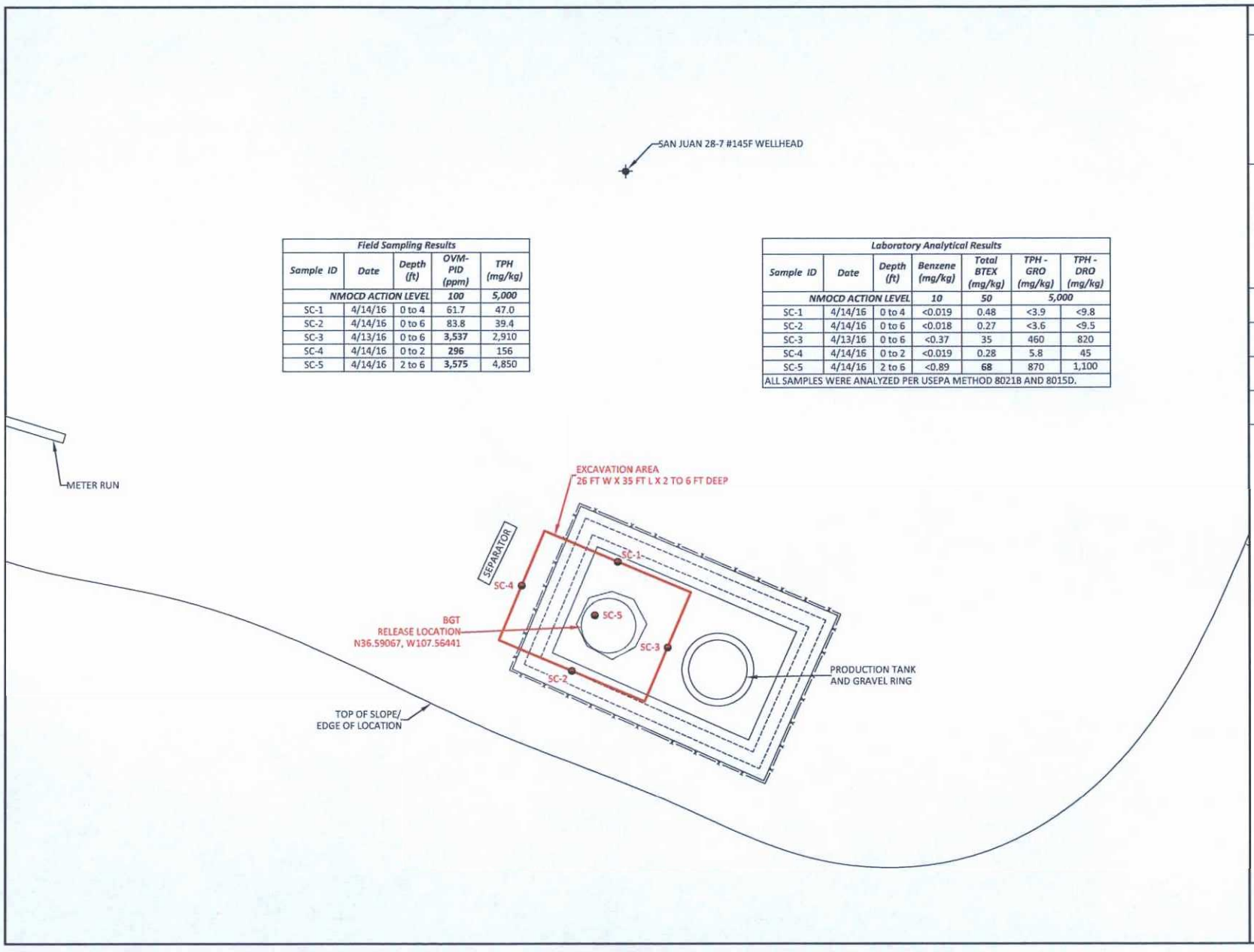




NOT TO SCALE

FIGURE 5

FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS
APRIL 2016
ConocoPhillips
SAN JUAN 28-7 #145F
SE¼ NW¼, SECTION 10, T27N, R7W
RIO ARRIBA COUNTY, NEW MEXICO
N36.59091, W107.56440



Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	5,000
SC-1	4/14/16	0 to 4	61.7	47.0
SC-2	4/14/16	0 to 6	83.8	39.4
SC-3	4/13/16	0 to 6	**3,537**	2,910
SC-4	4/14/16	0 to 2	**296**	156
SC-5	4/14/16	2 to 6	**3,575**	4,850

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	5,000	
SC-1	4/14/16	0 to 4	<0.019	0.48	<3.9	<9.8
SC-2	4/14/16	0 to 6	<0.018	0.27	<3.6	<9.5
SC-3	4/13/16	0 to 6	<0.37	35	460	820
SC-4	4/14/16	0 to 2	<0.019	0.28	5.8	45
SC-5	4/14/16	2 to 6	<0.89	**68**	870	1,100
ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8021B AND 8015D.						

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Farmington, NM • Durango, CO
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DRAWN BY: C. Lameman	**DATE DRAWN:** April 28, 2016
REVISIONS BY: C. Lameman	**DATE REVISED:** May 6, 2016
CHECKED BY: E. Skyles	**DATE CHECKED:** May 6, 2016
APPROVED BY: E. McNally	**DATE APPROVED:** May 6, 2016

LEGEND

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

N

SCALE
20 10 0 20
5
(1 INCH = 20 FEET)

AES Field Sampling Report

Animas Environmental Services, LLC

Client: ConocoPhillips

Project Location: San Juan 28-7 #145F

Date: 8/25/2015

Matrix: Soil

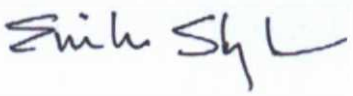
Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 0.5'	8/25/2015	12:10	2.2	*Not Analyzed for TPH*				
SB-1 @ 2'	8/25/2015	12:15	88.1	48.0	12:50	20.0	1	EMS
SB-2 @ 0.5'	8/25/2015	12:30	5.8	*Not Analyzed for TPH*				
SB-2 @ 1.5'	8/25/2015	12:38	18.7	32.7	13:17	20.0	1	EMS
SB-3 @ 0.5'	8/25/2015	12:45	3,338	1,950	13:21	20.0	1	EMS
SB-3 @ 2'	8/25/2015	12:48	1,762	9,280	13:27	200	10	EMS
SB-4 @ 0.5'	8/25/2015	12:50	47.9	*Not Analyzed for TPH*				
SB-4 @ 2'	8/25/2015	12:56	2,145	6,413	14:10	200	10	EMS
SB-5 @ 0.5'	8/25/2015	13:08	15.8	*Not Analyzed for TPH*				
SB-5 @ 1.5'	8/25/2015	13:10	7.7	32.7	14:07	20.0	1	EMS
SB-6 @ 0.5'	8/25/2015	12:14	3.7	41.1	14:05	20.0	1	EMS
SB-7 @ 0.5'	8/25/2015	13:18	2.5	53.5	14:03	20.0	1	EMS
SB-8 @ 0.5'	8/25/2015	13:40	0.3	*Not Analyzed for TPH*				

Report Finalized: 8/25/15

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-8 @ 1.5'	8/25/2015	13:45	0.5	43.8	14:12	20.0	1	EMS

DF Dilution Factor
NA Not Analyzed
PQL Practical Quantitation Limit
**Field TPH concentrations recorded may be below PQL.*

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: 

AES Field Sampling Report

Animas Environmental Services, LLC

Client: ConocoPhillips

Project Location: San Juan 28-7 #145F

Date: 4/13/2016

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-3	4/13/2016	12:34	East Wall	3,537	2,914	13:33	200	10	CL

DF Dilution Factor
NA Not Analyzed
PQL Practical Quantitation Limit
**TPH concentrations recorded may be below PQL.*

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Report Finalized: 4/13/16

AES Field Sampling Report

Animas Environmental Services, LLC

Client: ConocoPhillips

Project Location: San Juan 28-7 #145F

Date: 4/14/2016

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	4/14/2016	12:50	North Wall	61.7	47.0	13:32	20.0	1	EMS
SC-2	4/14/2016	12:45	South Wall	83.8	39.4	13:35	20.0	1	EMS
SC-4	4/14/2016	12:54	West Wall	296	156	13:37	20.0	1	EMS
SC-5	4/14/2016	12:59	Base	3,575	4,850	13:44	200	10	EMS

DF Dilution Factor
NA Not Analyzed
PQL Practical Quantitation Limit
**TPH concentrations recorded may be below PQL.*

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Emily Sky

Report Finalized: 4/14/16

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 20, 2016

Emilee Skyles
Animas Environmental
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: COPC SJ 28-7 #145F OrderNo.: 1604644

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 5 sample(s) on 4/15/2016 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 19, 2016.

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: COPC SJ 28-7 #145F
Lab ID: 1604644-001

Client Sample ID: SC-1
Collection Date: 4/14/2016 12:50:00 PM
Matrix: MEOH (SOIL)
Received Date: 4/15/2016 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/15/2016 1:53:33 PM	24822
Surr: DNOP	78.2	70-130		%Rec	1	4/15/2016 1:53:33 PM	24822
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	4/15/2016 9:01:31 PM	24804
Surr: BFB	101	80-120		%Rec	1	4/15/2016 9:01:31 PM	24804
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.019		mg/Kg	1	4/15/2016 9:01:31 PM	24804
Toluene	0.075	0.039		mg/Kg	1	4/15/2016 9:01:31 PM	24804
Ethylbenzene	ND	0.039		mg/Kg	1	4/15/2016 9:01:31 PM	24804
Xylenes, Total	0.40	0.077		mg/Kg	1	4/15/2016 9:01:31 PM	24804
Surr: 4-Bromofluorobenzene	97.7	80-120		%Rec	1	4/15/2016 9:01:31 PM	24804

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
D	Sample Diluted Due to Matrix	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 Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: COPC SJ 28-7 #145F
Lab ID: 1604644-002

Client Sample ID: SC-2
Collection Date: 4/14/2016 12:45:00 PM
Matrix: MEOH (SOIL) **Received Date:** 4/15/2016 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/15/2016 2:36:35 PM	24822
Surr: DNOP	78.7	70-130		%Rec	1	4/15/2016 2:36:35 PM	24822
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	4/15/2016 9:24:58 PM	24804
Surr: BFB	100	80-120		%Rec	1	4/15/2016 9:24:58 PM	24804
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.018		mg/Kg	1	4/15/2016 9:24:58 PM	24804
Toluene	ND	0.036		mg/Kg	1	4/15/2016 9:24:58 PM	24804
Ethylbenzene	ND	0.036		mg/Kg	1	4/15/2016 9:24:58 PM	24804
Xylenes, Total	0.27	0.072		mg/Kg	1	4/15/2016 9:24:58 PM	24804
Surr: 4-Bromofluorobenzene	95.8	80-120		%Rec	1	4/15/2016 9:24:58 PM	24804

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
D	Sample Diluted Due to Matrix	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 Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: COPC SJ 28-7 #145F
Lab ID: 1604644-003
Matrix: MEOH (SOIL)
Client Sample ID: SC-3
Collection Date: 4/13/2016 12:34:00 PM
Received Date: 4/15/2016 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	820	9.2		mg/Kg	1	4/15/2016 3:19:41 PM	24822
Surr: DNOP	83.5	70-130		%Rec	1	4/15/2016 3:19:41 PM	24822
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	460	73		mg/Kg	20	4/18/2016 11:52:36 AM	24836
Surr: BFB	190	80-120	S	%Rec	20	4/18/2016 11:52:36 AM	24836
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.37		mg/Kg	20	4/18/2016 11:52:36 AM	24836
Toluene	5.6	0.73		mg/Kg	20	4/18/2016 11:52:36 AM	24836
Ethylbenzene	2.1	0.73		mg/Kg	20	4/18/2016 11:52:36 AM	24836
Xylenes, Total	27	1.5		mg/Kg	20	4/18/2016 11:52:36 AM	24836
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	20	4/18/2016 11:52:36 AM	24836

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
D	Sample Diluted Due to Matrix	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 Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Client Sample ID: SC-4
Project: COPC SJ 28-7 #145F
Collection Date: 4/14/2016 12:54:00 PM
Lab ID: 1604644-004
Matrix: MEOH (SOIL)
Received Date: 4/15/2016 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	45	9.5		mg/Kg	1	4/15/2016 4:02:50 PM	24822
Surr: DNOP	75.6	70-130		%Rec	1	4/15/2016 4:02:50 PM	24822
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	5.8	3.8		mg/Kg	1	4/15/2016 10:11:56 PM	24804
Surr: BFB	127	80-120	S	%Rec	1	4/15/2016 10:11:56 PM	24804
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.019		mg/Kg	1	4/15/2016 10:11:56 PM	24804
Toluene	ND	0.038		mg/Kg	1	4/15/2016 10:11:56 PM	24804
Ethylbenzene	ND	0.038		mg/Kg	1	4/15/2016 10:11:56 PM	24804
Xylenes, Total	0.28	0.075		mg/Kg	1	4/15/2016 10:11:56 PM	24804
Surr: 4-Bromofluorobenzene	99.2	80-120		%Rec	1	4/15/2016 10:11:56 PM	24804

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
D	Sample Diluted Due to Matrix	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 Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: COPC SJ 28-7 #145F
Lab ID: 1604644-005

Client Sample ID: SC-5
Collection Date: 4/14/2016 12:59:00 PM
Matrix: MEOH (SOIL)
Received Date: 4/15/2016 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	1100	99		mg/Kg	10	4/18/2016 9:27:00 AM	24822
Surr: DNOP	0	70-130	S	%Rec	10	4/18/2016 9:27:00 AM	24822
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	870	180		mg/Kg	50	4/15/2016 10:35:24 PM	24804
Surr: BFB	166	80-120	S	%Rec	50	4/15/2016 10:35:24 PM	24804
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.89		mg/Kg	50	4/15/2016 10:35:24 PM	24804
Toluene	8.8	1.8		mg/Kg	50	4/15/2016 10:35:24 PM	24804
Ethylbenzene	2.3	1.8		mg/Kg	50	4/15/2016 10:35:24 PM	24804
Xylenes, Total	57	3.6		mg/Kg	50	4/15/2016 10:35:24 PM	24804
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	50	4/15/2016 10:35:24 PM	24804

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
D	Sample Diluted Due to Matrix	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 Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1604644**

20-Apr-16

Client: Animas Environmental
Project: COPC SJ 28-7 #145F

Sample ID **LCS-24822**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **24822**	RunNo: **33556**
Prep Date: **4/15/2016**	Analysis Date: **4/15/2016**	SeqNo: **1032484** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	10	50.00	0	75.9	65.8	136			
Surr: DNOP	3.8		5.000		75.5	70	130			

Sample ID **MB-24822**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **24822**	RunNo: **33556**
Prep Date: **4/15/2016**	Analysis Date: **4/15/2016**	SeqNo: **1032485** 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	8.1		10.00		81.4	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	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 Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1604644**

20-Apr-16

Client: Animas Environmental
Project: COPC SJ 28-7 #145F

Sample ID **MB-24804**	SampType: **MBLK**			TestCode: **EPA Method 8015D: Gasoline Range**					
Client ID: **PBS**	Batch ID: **24804**			RunNo: **33568**					
Prep Date: **4/14/2016**	Analysis Date: **4/15/2016**			SeqNo: **1033188**		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	950		1000		95.0	80	120			

Sample ID **LCS-24804**	SampType: **LCS**			TestCode: **EPA Method 8015D: Gasoline Range**					
Client ID: **LCSS**	Batch ID: **24804**			RunNo: **33568**					
Prep Date: **4/14/2016**	Analysis Date: **4/15/2016**			SeqNo: **1033189**		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	102	80	120			
Surr: BFB	1000		1000		100	80	120			

Sample ID **MB-24836**	SampType: **MBLK**			TestCode: **EPA Method 8015D: Gasoline Range**					
Client ID: **PBS**	Batch ID: **24836**			RunNo: **33600**					
Prep Date: **4/15/2016**	Analysis Date: **4/18/2016**			SeqNo: **1033974**		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		93.4	80	120			

Sample ID **LCS-24836**	SampType: **LCS**			TestCode: **EPA Method 8015D: Gasoline Range**					
Client ID: **LCSS**	Batch ID: **24836**			RunNo: **33600**					
Prep Date: **4/15/2016**	Analysis Date: **4/18/2016**			SeqNo: **1033975**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.8	80	120			
Surr: BFB	1000		1000		100	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	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 Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1604644**

20-Apr-16

Client: Animas Environmental
Project: COPC SJ 28-7 #145F

Sample ID **MB-24804**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **24804**	RunNo: **33568**
Prep Date: **4/14/2016**	Analysis Date: **4/15/2016**	SeqNo: **1033222** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.9	80	120			

Sample ID **LCS-24804**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **24804**	RunNo: **33568**
Prep Date: **4/14/2016**	Analysis Date: **4/15/2016**	SeqNo: **1033223** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.6	75.3	123			
Toluene	0.89	0.050	1.000	0	88.6	80	124			
Ethylbenzene	0.87	0.050	1.000	0	87.4	82.8	121			
Xylenes, Total	2.6	0.10	3.000	0	88.0	83.9	122			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.4	80	120			

Sample ID **MB-24836**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **24836**	RunNo: **33600**
Prep Date: **4/15/2016**	Analysis Date: **4/18/2016**	SeqNo: **1034018** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.3	80	120			

Sample ID **LCS-24836**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **24836**	RunNo: **33600**
Prep Date: **4/15/2016**	Analysis Date: **4/18/2016**	SeqNo: **1034019** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.5	75.3	123			
Toluene	0.87	0.050	1.000	0	87.1	80	124			
Ethylbenzene	0.87	0.050	1.000	0	87.4	82.8	121			
Xylenes, Total	2.6	0.10	3.000	0	87.8	83.9	122			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	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 Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

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: **1604644** RcptNo: **1**

Received by/date: 04/15/16

Logged By: **Lindsay Mangin** **4/15/2016 7:20:00 AM**

Completed By: **Lindsay Mangin** **4/15/2016 7:45:29 AM**

Reviewed By: 04/15/16

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	2.5	Good	Yes			

Chain-of-Custody Record

ent: Animas Environmental Services

ailing Address: 604 W. Pinon St.
Farmington, NM 87401

ione #: 505-564-2281

nail or Fax#: eskyles@animasenvironmental.com

/QC Package:
Standard ☐ Level 4 (Full Validation)

:creditation
NELAP ☐ Other _____

EDD (Type) _____

Turn-Around Time:
☐ Standard ☑ Rush 3 DAY TAT

Project Name:
COPC SJ ~~27-5~~ 28-7 #145F

Project #:
nvg 04/20/16

Project Manager:
E. Skyles

Sampler: E. Skyles / C. Lameman

On Ice: ☑ Yes ☐ No

Sample Temperature: 2.5

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. 1604644
14-16	1250	Soil	SC-1	MeOH kit 1-4oz	MeOH cool	-001
4-16	1245	Soil	SC-2	MeOH kit 1-4oz	MeOH cool	-002
3-16	1234	Soil	SC-3	MeOH kit 1-4oz	MeOH cool	-003
4-16	1254	Soil	SC-4	MeOH kit 1-4oz	MeOH cool	-004
4-16	1259	Soil	SC-5	MeOH kit 1-4oz	MeOH cool	-005

Analysis Request

BTEX + MTBE + TMBs (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)
X		X													
X		X													
X		X													
X		X													
X		X													

Date	Time	Relinquished by:	Received by:	Date	Time
14/16	1804		Christine Walters	4/14/16	1804
4/16	1904	Christine Walters		04/15/16	0720

Remarks: Bill to Conoco Phillips
WO#
ordered by: Lisa Hunter
USER:
SUPERVISOR:
AREA:

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.