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

OIL CONS. DIV DIST. 3

NOV 03 2015

Form C-141
Revised August 8, 2011
Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **ConocoPhillips Company**	Contact **Crystal Walker**
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 326-9837
Facility Name: **Lindrith B Unit 37**	Facility Type: **Gas Well**

Surface Owner **BLM**	Mineral Owner **BLM (SF-078907**	API No.**30-039-23816**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	**4**	**24N**	**2W**	**1850**	**North**	**1850**	**East**	**Rio Arriba**

Latitude 36.342098 Longitude -107.05178

NATURE OF RELEASE

Type of Release **Produced Fluids**	Volume of Release	Volume Recovered
Source of Release **Below Grade Tank**	Date and Hour of Occurrence	Date and Hour of Discovery
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.*

Describe Cause of Problem and Remedial Action Taken.*
Below Grade Tank Closure Activities

Describe Area Affected and Cleanup Action Taken.*
The regulatory standard for closure at this site was determined to be 100ppm. Soil samples were taken and then transported to the lab and analytical results for TPH, BTEX and Chlorides were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Release; therefore no further action is required. The final 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: Crystal Walker	OIL CONSERVATION DIVISION	
Printed Name: **Crystal Walker**	Approved by Environmental Specialist: Vanessa	
Title: **Regulatory Coordinator**	Approval Date: 12/29/2015	Expiration Date:
E-mail Address: crystal.walker@conocophillips.com	Conditions of Approval: —	Attached ☐
Date: 10/29/15 Phone: (505) 326-9837		

* Attach Additional Sheets If Necessary

nvf1536341447

33

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3274

November 14, 2012

Ashley Maxwell
ConocoPhillips
San Juan Business Unit
Office 216-2
5525 Hwy 64
Farmington, New Mexico 87401

RE: Below Grade Tank Closure Report
Lindrith B #37
Rio Arriba County, New Mexico

Dear Ms. Maxwell:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (CoP) Lindrith B #37, located in Rio Arriba County, New Mexico. Tank removal had been completed by CoP contractors prior to AES' arrival at the location.

1.0 Site Information

1.1 Location

Site Name – Lindrith B #37
Legal Description – SW¼ NE¼, Section 4, T24N, R2W, Rio Arriba County, New Mexico
Well Latitude/Longitude – N36.34203 and W107.05225, respectively
BGT Latitude/Longitude – N36.34241 and W107.05262, respectively
Land Jurisdiction – Private
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, September 2012

1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and a C-144 form dated June 2008 for the Lindrith B #37 well reported the depth to groundwater as less than 50 feet below ground surface (bgs). The New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby water wells, and no registered water wells were reported to be located within 1,000 feet of the location. Additionally, Google Earth and the New Mexico Tech Petroleum Recovery

Research Center online mapping tool (http://ford.nmt.edu/react/project.html) were accessed to aid in the identification of downgradient surface water.

Once on site, AES personnel further assessed the ranking using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. AES personnel concluded that depth to groundwater at the site was less than 50 feet bgs. The well location is situated approximately 1,000 feet south of a drainage leading to Oso Canyon, and a pond is located approximately 450 feet northeast of the location. Based on this information, the site was assessed a ranking score of 30 per NMOCD's *Guidelines for Leaks, Spills, and Releases* (August 1993).

1.3 BGT Closure Assessment

AES was initially contacted by Jess Henson, CoP representative, on September 6, 2012, and on September 7, 2012, Heather Woods and Zachary Trujillo of AES met with a CoP representative at the location. AES personnel collected six soil samples from the below the BGT liner. Four samples were collected from the perimeter of the BGT footprint, one sample was collected from the center of the BGT footprint, and one sample was composited from the four perimeter samples and one center sample.

2.0 Soil Sampling

On September 7, 2012, AES personnel conducted field screening and collected five soil samples (S-1 through S-5) and one 5-point composite (SC-1) from below the BGT. Soil samples S-1 through S-5 were collected from approximately 0.5 feet below the former BGT for field screening of volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH). Soil sample SC-1 was field screened for chlorides and submitted for confirmation laboratory analysis. Soil sample locations are included on Figure 2.

2.1 Field Screening

2.1.1 Volatile Organic Compounds

A portion of each sample was utilized for field screening of VOC vapors 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

Soil samples were also analyzed in the field for TPH 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*.

2.1.3 Chlorides

Soil sample SC-1 was field screened for chlorides using Chloride Drop Count Titration with silver nitrate. Sampling and analysis methods followed procedures provided by Hach Company.

2.2 Laboratory Analyses

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

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B;
- Total petroleum hydrocarbons (TPH) for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015B;
- Chloride per USEPA Method 300.0.

2.3 Field and Laboratory Analytical Results

Field screening readings for VOCs via OVM ranged from 1.8 ppm in S-3 up to 111 ppm in S-2. Field TPH concentrations ranged from 74.4 mg/kg in S-4 up to 249 mg/kg in S-2. The field chloride concentration in SC-1 was 40 mg/kg. Field screening results are summarized in Table 1 and presented on Figure 2. The AES Field Screening Report is attached.

Table 1. Soil Field Screening VOCs, TPH, and Chloride Results
Lindrith B #37 BGT Closure, September 2012

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	Field TPH (mg/kg)	Field Chlorides (mg/kg)
NMOCD Action Level (NMAC 19.15.17.13E)			**--**	***100***	***250***
S-1	09/07/12	0.5	3.1	82.7	NA
S-2	09/07/12	0.5	111	**249**	NA
S-3	09/07/12	0.5	1.8	**172**	NA
S-4	09/07/12	0.5	3.4	74.4	NA
S-5	09/07/12	0.5	3.5	**134**	NA

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	Field TPH (mg/kg)	Field Chlorides (mg/kg)
NMOCD Action Level (NMAC 19.15.17.13E)			--	**100**	**250**
SC-1	09/07/12	0.5	NA	NA	40

NA – Not Analyzed

Laboratory analytical results reported benzene and total BTEX concentrations in SC-1 below the laboratory detection limits of 0.050 mg/kg and 0.25 mg/kg, respectively. TPH concentrations were reported at 15 mg/kg GRO and 22 mg/kg DRO. The laboratory chloride concentration was below the laboratory detection limit of 30 mg/kg. Laboratory analytical results are summarized in Table 2 and included on Figure 2. Laboratory analytical reports are attached.

Table 2. Soil Laboratory Analytical Results, Lindrith B #37 BGT Closure, September 2012

Sample ID	Date Sampled	Depth (ft)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Chlorides (mg/kg)
NMOCD Action Level (NMAC 19.15.17.13E)			**0.2**	**50**	**100**		**250**

NA – Not Analyzed

3.0 Conclusions and Recommendations

NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E. Field TPH concentrations exceeded the NMOCD action level of 100 mg/kg in three samples, S-2 (249 mg/kg), S-3 (172 mg/kg), and S-5 (134 mg/kg). However, laboratory analytical results for TPH as GRO/DRO in SC-1 were reported below the NMOCD threshold of 100 mg/kg with 37 mg/kg. Benzene concentrations in SC-1 were below the laboratory detection limit of 0.050 mg/kg, and total BTEX concentrations were below the NMOCD action level of 50 mg/kg. The chloride concentration for SC-1 was below the NMOCD action level of 250 mg/kg. Based on field screening and laboratory analytical results for benzene, total BTEX, TPH, and chlorides, no further work is recommended.

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

Sincerely,

Landrea R. Cupps

Landrea Cupps
Environmental Scientist

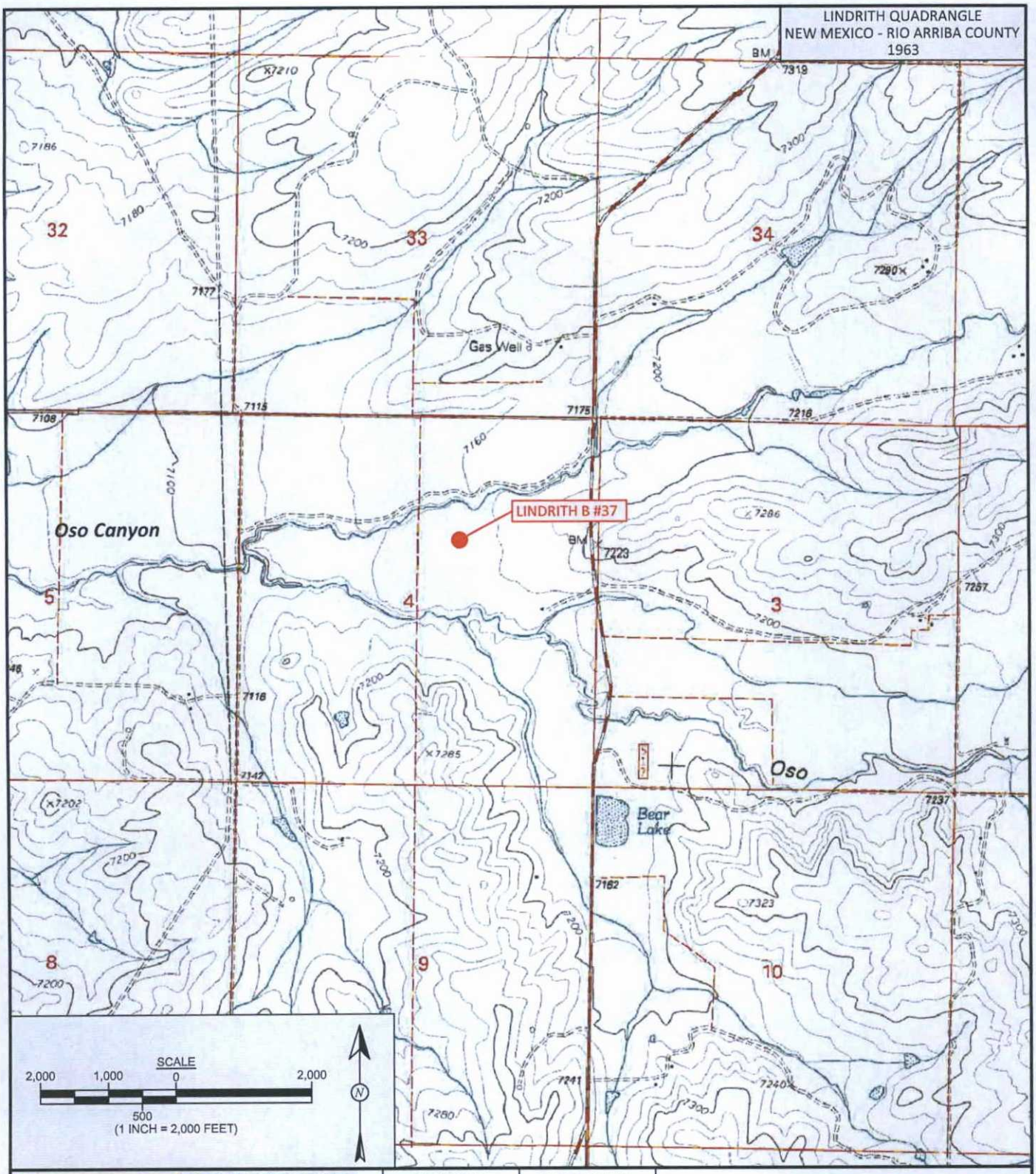
Elizabeth D McNally

Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, September 2012
AES Field Screening Report 090712
Hall Analytical Report 1209277

R:\Animas 2000\2012 Projects\Conoco Phillips\Lindrith B #37\Lindrith B #37 BGT Closure Report 111412.docx



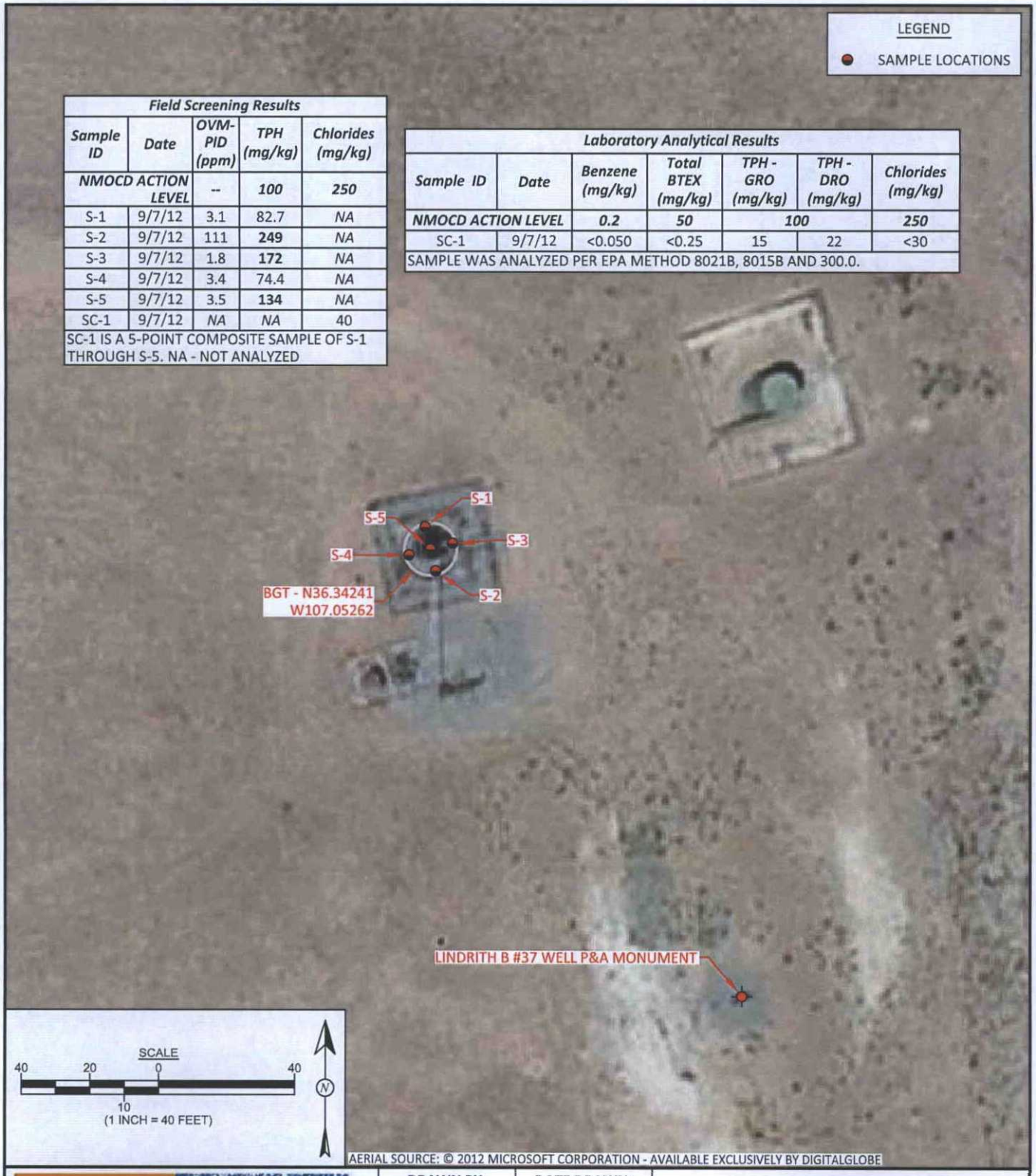
Animas Environmental Services, LLC

DRAWN BY: C. Lameman	**DATE DRAWN:** November 1, 2012
REVISIONS BY: C. Lameman	**DATE REVISED:** November 1, 2012
CHECKED BY: D. Watson	**DATE CHECKED:** November 1, 2012
APPROVED BY: E. McNally	**DATE APPROVED:** November 1, 2012

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP

ConocoPhillips
LINDRITH B #37
RIO ARRIBA COUNTY, NEW MEXICO
SW¼ NE¼, SECTION 4, T24N, R2W
N36.34203, W107.05225



Field Screening Results				
Sample ID	Date	OVM-PID (ppm)	TPH (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL		--	100	250
S-1	9/7/12	3.1	82.7	NA
S-2	9/7/12	111	**249**	NA
S-3	9/7/12	1.8	**172**	NA
S-4	9/7/12	3.4	74.4	NA
S-5	9/7/12	3.5	**134**	NA
SC-1	9/7/12	NA	NA	40
SC-1 IS A 5-POINT COMPOSITE SAMPLE OF S-1 THROUGH S-5. NA - NOT ANALYZED				

Laboratory Analytical Results						
Sample ID	Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL		0.2	50	100		250
SC-1	9/7/12	<0.050	<0.25	15	22	<30
SAMPLE WAS ANALYZED PER EPA METHOD 8021B, 8015B AND 300.0.						

Animas Environmental Services, LLC

DRAWN BY: C. Lameman	**DATE DRAWN:** November 1, 2012	**FIGURE 2**
REVISIONS BY: C. Lameman	**DATE REVISED:** November 1, 2012	**AERIAL SITE MAP** **BELOW GRADE TANK CLOSURE** **SEPTEMBER 2012**
CHECKED BY: D. Watson	**DATE CHECKED:** November 1, 2012	ConocoPhillips LINDRITH B #37
APPROVED BY: E. McNally	**DATE APPROVED:** November 1, 2012	RIO ARRIBA COUNTY, NEW MEXICO SW¼ NE¼, SECTION 4, T24N, R2W N36.34203, W107.05225

AES Field Screening Report

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3274

Client: ConocoPhillips

Project Location: Lindrith B #37

Date: 9/7/2012

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
S-1	9/7/2012	8:55	North	3.1	NA	9:30	82.7	20.0	1	HMW
S-2	9/7/2012	9:00	South	111	NA	9:33	249	20.0	1	HMW
S-3	9/7/2012	9:04	East	1.8	NA	9:36	172	20.0	1	HMW
S-4	9/7/2012	9:06	West	3.4	NA	9:38	74.4	20.0	1	HMW
S-5	9/7/2012	9:08	Center	3.5	NA	9:41	134	20.0	1	HMW
SC-1	9/7/2012	9:10	Composite	NA	40	*Not Analyzed for TPH.*				

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

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with Silver Nitrate
Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Heather M. Woods

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

September 14, 2012

Debbie Watson

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

RE: COP Lindrith B #37 OrderNo.: 1209277

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/8/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1209277**
Date Reported: **9/14/2012**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: COP Lindrith B #37
Lab ID: 1209277-001 **Matrix:** SOIL

Client Sample ID: SC-1
Collection Date: 9/7/2012 9:10:00 AM
Received Date: 9/8/2012 11:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JMP**
Diesel Range Organics (DRO)	22	10		mg/Kg	1	9/10/2012 12:01:20 PM
Surr: DNOP	118	77.6-140		%REC	1	9/10/2012 12:01:20 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	15	5.0		mg/Kg	1	9/10/2012 1:41:46 PM
Surr: BFB	252	84-116	S	%REC	1	9/10/2012 1:41:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	9/10/2012 1:41:46 PM
Toluene	ND	0.050		mg/Kg	1	9/10/2012 1:41:46 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/10/2012 1:41:46 PM
Xylenes, Total	ND	0.10		mg/Kg	1	9/10/2012 1:41:46 PM
Surr: 4-Bromofluorobenzene	125	80-120	S	%REC	1	9/10/2012 1:41:46 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Chloride	ND	30		mg/Kg	20	9/10/2012 2:11:03 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
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#: **1209277**

14-Sep-12

Client: Animas Environmental Services
Project: COP Lindrith B #37

Sample ID	**MB-3668**	SampType: **MBLK**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID: **3668**			RunNo: **5415**					
Prep Date:	**9/10/2012**	Analysis Date: **9/10/2012**			SeqNo: **154533**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-3668**	SampType: **LCS**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID: **3668**			RunNo: **5415**					
Prep Date:	**9/10/2012**	Analysis Date: **9/10/2012**			SeqNo: **154534**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.2	90	110			

Sample ID	**1209219-001AMS**	SampType: **MS**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**BatchQC**	Batch ID: **3668**			RunNo: **5415**					
Prep Date:	**9/10/2012**	Analysis Date: **9/10/2012**			SeqNo: **154547**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	16	7.5	15.00	3.156	86.2	64.4	117			

Sample ID	**1209219-001AMSD**	SampType: **MSD**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**BatchQC**	Batch ID: **3668**			RunNo: **5415**					
Prep Date:	**9/10/2012**	Analysis Date: **9/10/2012**			SeqNo: **154548**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	16	7.5	15.00	3.156	87.0	64.4	117	0.694	20	

Sample ID	**1209219-007AMS**	SampType: **MS**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**BatchQC**	Batch ID: **3668**			RunNo: **5415**					
Prep Date:	**9/10/2012**	Analysis Date: **9/10/2012**			SeqNo: **154562**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	35	7.5	15.00	23.36	78.4	64.4	117			

Sample ID	**1209219-007AMSD**	SampType: **MSD**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**BatchQC**	Batch ID: **3668**			RunNo: **5415**					
Prep Date:	**9/10/2012**	Analysis Date: **9/10/2012**			SeqNo: **154563**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	37	7.5	15.00	23.36	91.8	64.4	117	5.58	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD 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
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1209277**

14-Sep-12

Client: Animas Environmental Services
Project: COP Lindrith B #37

Sample ID **MB-3669**	SampType: **MBLK**			TestCode: **EPA Method 8015B: Diesel Range Organics**					
Client ID: **PBS**	Batch ID: **3669**			RunNo: **5402**					
Prep Date: **9/10/2012**	Analysis Date: **9/10/2012**			SeqNo: **154019**		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	11		10.00		111	77.6	140			

Sample ID **LCS-3669**	SampType: **LCS**			TestCode: **EPA Method 8015B: Diesel Range Organics**					
Client ID: **LCSS**	Batch ID: **3669**			RunNo: **5402**					
Prep Date: **9/10/2012**	Analysis Date: **9/10/2012**			SeqNo: **154022**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	10	50.00	0	71.9	52.6	130			
Surr: DNOP	4.4		5.000		88.3	77.6	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD 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
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1209277**

14-Sep-12

Client: Animas Environmental Services
Project: COP Lindrith B #37

Sample ID **MB-3703**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Diesel Range**
Client ID: **PBW**	Batch ID: **3703**	RunNo: **5423**
Prep Date: **9/11/2012**	Analysis Date: **9/11/2012**	SeqNo: **154966** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	1.2		1.000		118	79.5	166			

Sample ID **LCS-3703**	SampType: **LCS**	TestCode: **EPA Method 8015B: Diesel Range**
Client ID: **LCSW**	Batch ID: **3703**	RunNo: **5423**
Prep Date: **9/11/2012**	Analysis Date: **9/11/2012**	SeqNo: **155418** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	0.49		0.5000		97.1	79.5	166			

Sample ID **LCSD-3703**	SampType: **LCSD**	TestCode: **EPA Method 8015B: Diesel Range**
Client ID: **LCSS02**	Batch ID: **3703**	RunNo: **5423**
Prep Date: **9/11/2012**	Analysis Date: **9/11/2012**	SeqNo: **155419** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	0.42		0.5000		84.4	79.5	166	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD 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
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1209277**

14-Sep-12

Client: Animas Environmental Services

Project: COP Lindrith B #37

Sample ID **1209273-004ADUP**	SampType: **DUP**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **R5410**	RunNo: **5410**
Prep Date:	Analysis Date: **9/10/2012**	SeqNo: **154803** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	120	5.0						4.49	21	
Surr: BFB	1700		2000		83.0	43.1	185	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD 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
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1209277**

14-Sep-12

Client: Animas Environmental Services

Project: COP Lindrith B #37

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **PBS**	Batch ID: **R5410**	RunNo: **5410**
Prep Date:	Analysis Date: **9/10/2012**	SeqNo: **154807** 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	940		1000		93.6	84	116			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R5410**	RunNo: **5410**
Prep Date:	Analysis Date: **9/10/2012**	SeqNo: **154808** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.0	74	117			
Surr: BFB	880		1000		87.6	84	116			

Sample ID **1209278-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **R5410**	RunNo: **5410**
Prep Date:	Analysis Date: **9/10/2012**	SeqNo: **154810** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	19.14	2.021	96.3	70	130			
Surr: BFB	760		765.7		98.9	84	116			

Sample ID **1209278-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **R5410**	RunNo: **5410**
Prep Date:	Analysis Date: **9/10/2012**	SeqNo: **154811** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	19.14	2.021	93.8	70	130	2.39	22.1	
Surr: BFB	800		765.7		105	84	116	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD 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
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1209277**

14-Sep-12

Client: Animas Environmental Services
Project: COP Lindrith B #37

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **PBW**	Batch ID: **R5410**	RunNo: **5410**
Prep Date:	Analysis Date: **9/10/2012**	SeqNo: **154800** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	19		20.00		93.6	69.8	119			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **LCSW**	Batch ID: **R5410**	RunNo: **5410**
Prep Date:	Analysis Date: **9/10/2012**	SeqNo: **154801** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.45	0.050	0.5000	0	90.0	75.9	119			
Surr: BFB	18		20.00		87.6	69.8	119			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD 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
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1209277**

14-Sep-12

Client: Animas Environmental Services
Project: COP Lindrith B #37

Sample ID	**1209273-004ADUP**	SampType: **DUP**		TestCode: **EPA Method 8021B: Volatiles**					
Client ID:	**BatchQC**	Batch ID: **R5410**		RunNo: **5410**					
Prep Date:		Analysis Date: **9/10/2012**		SeqNo: **154817**	Units: **µg/L**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.49	0.10						2.89	105	
Toluene	0.12	0.10						3.41	34	
Ethylbenzene	ND	0.10						0	22.1	
Xylenes, Total	ND	0.30						0	21.9	
Surr: 4-Bromofluorobenzene	1.9		2.000		94.8	66.1	135	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD 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
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1209277**

14-Sep-12

Client: Animas Environmental Services
Project: COP Lindrith B #37

Sample ID **5ML RB** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **R5410** RunNo: **5410**
Prep Date: Analysis Date: **9/10/2012** SeqNo: **154818** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID **100NG BTEX LCS** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **R5410** RunNo: **5410**
Prep Date: Analysis Date: **9/10/2012** SeqNo: **154819** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	112	76.3	117			
Toluene	1.1	0.050	1.000	0	113	80	120			
Ethylbenzene	1.1	0.050	1.000	0	115	77	116			
Xylenes, Total	3.5	0.10	3.000	0	116	76.7	117			
Surr: 4-Bromofluorobenzene	1.2		1.000		122	80	120			S

Sample ID **1209276-004AMS** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BatchQC** Batch ID: **R5410** RunNo: **5410**
Prep Date: Analysis Date: **9/10/2012** SeqNo: **154820** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.77	0.050	0.7900	0	97.9	67.2	113			
Toluene	0.82	0.050	0.7900	0.007268	102	62.1	116			
Ethylbenzene	0.84	0.050	0.7900	0.01114	104	67.9	127			
Xylenes, Total	2.6	0.10	2.370	0.06834	107	60.6	134			
Surr: 4-Bromofluorobenzene	0.96		0.7900		121	80	120			S

Sample ID **1209276-004AMSD** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BatchQC** Batch ID: **R5410** RunNo: **5410**
Prep Date: Analysis Date: **9/10/2012** SeqNo: **154821** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.76	0.050	0.7900	0	95.8	67.2	113	2.17	14.3	
Toluene	0.79	0.050	0.7900	0.007268	99.6	62.1	116	2.86	15.9	
Ethylbenzene	0.81	0.050	0.7900	0.01114	101	67.9	127	2.70	14.4	
Xylenes, Total	2.5	0.10	2.370	0.06834	104	60.6	134	3.19	12.6	
Surr: 4-Bromofluorobenzene	0.88		0.7900		112	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD 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
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1209277**

14-Sep-12

Client: Animas Environmental Services
Project: COP Lindrith B #37

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **PBW**	Batch ID: **R5410**	RunNo: **5410**							
Prep Date:	Analysis Date: **9/10/2012**	SeqNo: **154814**	Units: **µg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
Surr: 4-Bromofluorobenzene	21		20.00		107	69.7	152			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**							
Client ID: **LCSW**	Batch ID: **R5410**	RunNo: **5410**							
Prep Date:	Analysis Date: **9/10/2012**	SeqNo: **154815**	Units: **µg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	112	80	120			
Toluene	23	1.0	20.00	0	113	80	120			
Ethylbenzene	23	1.0	20.00	0	115	80	120			
Xylenes, Total	69	2.0	60.00	0	116	80	120			
1,2,4-Trimethylbenzene	23	1.0	20.00	0	113	74.3	117			
1,3,5-Trimethylbenzene	23	1.0	20.00	0	117	75.8	117			S
Surr: 4-Bromofluorobenzene	24		20.00		122	69.7	152			

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
R	RPD outside accepted recovery limits	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: 1209277

Received by/date: AT 09/08/12

Logged By: Anne Thorne 9/8/2012 11:15:00 AM Anne Thorne

Completed By: Anne Thorne 9/10/2012 Anne Thorne

Reviewed By: AT 09/10/12

Chain of Custody

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

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☑ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. 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)

17. 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: _____

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.8	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 Same Day

Project Name:
CoP Lindrith B #37

Project #:

Project Manager:
D. Watson

Sampler: H. Woods

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.3 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 209277	BTEX + MTBE + TMB (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel) (GRO/DRO)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$) 300.0	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
9/7/12	910	Soil	SC-1	MeOH Kit 4 oz Jar	MeOH NA	001	X		X					X								

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/7/12	1555	Heather M. Woods	Christine Walters	9/7/12	1555
9/7/12	1621	Christine Walters		9/8/12	1115

Remarks: Bill to ConocoPhillips

WO: 10338077
Activity Code: C200
Supervisor: Harry Dee

User ID: KGARCIA
Work Ordered by: Jess Henson
Area: 26

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.

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

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **ConocoPhillips Company**	Contact **Crystal Walker**
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 326-9837
Facility Name: **Lindrith B Unit 37**	Facility Type: **Gas Well**

Surface Owner **BLM**	Mineral Owner **BLM (SF-078907**	API No.**30-039-23816**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	**4**	**24N**	**2W**	**1850**	**North**	**1850**	**East**	**Rio Arriba**

Latitude 36.342098 Longitude -107.05178

NATURE OF RELEASE

Type of Release **Produced Fluids**	Volume of Release	Volume Recovered
Source of Release **Below Grade Tank**	Date and Hour of Occurrence	Date and Hour of Discovery
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.*

Describe Cause of Problem and Remedial Action Taken.*
Below Grade Tank Closure Activities

Describe Area Affected and Cleanup Action Taken.*
The regulatory standard for closure at this site was determined to be 100ppm. Soil samples were taken and then transported to the lab and analytical results for TPH, BTEX and Chlorides were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Release; therefore no further action is required. The final report is attached for review.

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

Signature:	OIL CONSERVATION DIVISION	
Printed Name: **Crystal Walker**	Approved by Environmental Specialist:	
Title: **Regulatory Coordinator**	Approval Date:	Expiration Date:
E-mail Address: crystal.walker@conocophillips.com	Conditions of Approval:	Attached ☐
Date: Phone: (505) 326-9837		

* Attach Additional Sheets If Necessary

envirotech

October 5, 2010 Project Number 92115-1940

Ms. Kelsi Harrington
Conoco Phillips
3401 East 30th Street
Farmington, New Mexico 87401 Phone: (505) 599-3403

RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE SAN JUAN 29-7 #155 (HBR) WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Harrington,

Enclosed please find the field notes and analytical results for below-grade tank (BGT) closure activities performed at the San Juan 29-7 #155 (hBr) well site located in Section 9, Township 27 North, Range 9 West, San Juan County, New Mexico. Prior to Envirotech's arrival on September 7, 2010, the BGT had been removed. A brief site assessment was conducted and the regulatory standards were determined to be 1000 ppm TPH and 100 ppm organic vapors due to horizontal distance to surface water between 200 to 1,000 feet and depth to groundwater at 125 feet, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Spills, Leaks, and Releases. One (1) five (5)-point composite sample was collected from beneath the former BGT. The sample was analyzed in the field for total petroleum hydrocarbons (TPH) using USEPA Method 418.1, for organic vapors using a photoionization detector (PID), and for chlorides. The sample returned results below the regulatory standards for benzene, BTEX and chlorides but above the regulatory standard of 100 parts per million (ppm) TPH using USEPA Method 418.1, confirming a release did occur. Additionally, the sample was placed into a four (4)-ounce glass jar, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for benzene and BTEX using USEPA Method 8021 and for total chlorides using USEPA Method 4500.

The sample from beneath the former BGT returned results below the regulatory standards for TPH, benzene and BTEX, and of 568 ppm chlorides confirming a release did occur.; see attached ***Analytical Results***. Envirotech, Inc. recommends no further action in regards to this incident.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.

Barlan Williamson
Project Manager
bwilliamson@envirotech-inc.com

Enclosures: Analytical Results
Field Notes

Cc: Client File 92115

envirotech

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-1940
Sample No.:	1	Date Reported:	10/4/2011
Sample ID:	BGT Composite	Date Sampled:	9/7/2011
Sample Matrix:	Soil	Date Analyzed:	9/7/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**444**	**5.0**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 29-7 #155**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

John Rollins, Environmental Field Technician
Printed

Review

Barian Williamson, Project Manager
Printed

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 info@envirotech-inc.com envirotech-inc.com

envirotech

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 7-Sep-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	209
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Analyst — Date: 10/4/2011

John Rollins, Environmental Field Technician
Print Name

Review — Date: 10/4/2011

Barian Williamson, Project Manager
Print Name

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 info@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	92115-1940
Sample ID:	BGT	Date Reported:	09-09-11
Laboratory Number:	59561	Date Sampled:	09-07-11
Chain of Custody:	12531	Date Received:	09-07-11
Sample Matrix:	Soil	Date Analyzed:	09-08-11
Preservative:	Cool	Date Extracted:	09-07-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**ND**	**1.0**
Ethylbenzene	**ND**	**1.0**
p,m-Xylene	**2.1**	**1.2**
o-Xylene	**1.9**	**0.9**
Total BTEX	**4.0**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**105 %**
	1,4-difluorobenzene	**119 %**
	Bromochlorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **SJ 29-7 #155.**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0908BBLK QA/QC	Date Reported:	09-07-11
Laboratory Number:	59563	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-08-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	3.7583E+006	3.7658E+006	0.2%	ND	0.1
Toluene	3.8095E+006	3.8171E+006	0.2%	ND	0.1
Ethylbenzene	3.3597E+006	3.3664E+006	0.2%	ND	0.1
p,m-Xylene	9.2537E+006	9.2723E+006	0.2%	ND	0.1
o-Xylene	3.1163E+006	3.1226E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	475	95.0%	39 - 150
Toluene	ND	500	450	90.1%	46 - 148
Ethylbenzene	ND	500	448	89.7%	32 - 160
p,m-Xylene	ND	1000	897	89.7%	46 - 148
o-Xylene	ND	500	449	89.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for Samples 59538, 59542, 59561, 59563-59568.**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

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Chloride

Client:	ConocoPhillips	Project #:	92115-1940
Sample ID:	BGT	Date Reported:	09/09/11
Lab ID#:	54258	Date Sampled:	09/07/11
Sample Matrix:	Soil	Date Received:	09/07/11
Preservative:	Cool	Date Analyzed:	09/09/11
Condition:	Intact	Chain of Custody:	12531

Parameter	Concentration (mg/Kg)
Total Chloride	**568**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **SJ 29-7 #155.**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

RUSH

CHAIN OF CUSTODY RECORD

12531

Client: Conoco	Project Name / Location: SJ 29-7 #155
Client Address:	Sampler Name: John R
Client Phone No.:	Client No.: 92115-1940

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HCl	Preservative Cool	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
BGT	9/7/11	13:45	59561	(Soil) Sludge Solid Aqueous	4 oz			X		X								X				X	X
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/7/11	15:30	[signature]	9/7/11	15:30
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

RUSH

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PAGE NO: 1 OF 1

DATE STARTED: 9/7/11
DATE FINISHED: 9/7/11

envirotech
5796 U.S. Hwy 64, Farmington, NM 87401
PHONE: (505) 632-0615

ENVIRONMENTAL SPECIALIST: JK
LAT: 36.74753
LONG: -107.5771

FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION: NAME: 55 29-7 WELL #: 155 TEMP PIT: PERMANENT PIT: BGT: X
LEGAL ADD: UNIT: A SEC: 9 TWP: 29N RNG: 7W PM: NM
QTR/FOOTAGE: 1085 FNL & 1040 FEL CNTY: RA ST: NM

EXCAVATION APPROX: NA FT. X NA FT. X NA FT. DEEP CUBIC YARDAGE: NA
DISPOSAL FACILITY: NA REMEDIATION METHOD: NA
LAND OWNER: Cubric API: 3003925710 BGT / PIT VOLUME:
CONSTRUCTION MATERIAL: Steel DOUBLE-WALLED, WITH LEAK DETECTION:

LOCATION APPROXIMATELY: 122.9 FT. South FROM ~~WELLHEAD~~ Entry
DEPTH TO GROUNDWATER: 125

___ TEMPORARY PIT - GROUNDWATER 50-100 FEET DEEP
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 500 mg/kg

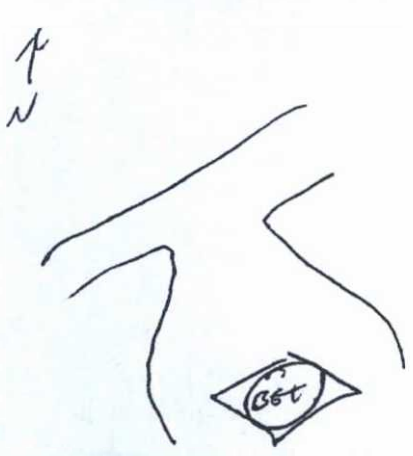
___ TEMPORARY PIT - GROUNDWATER ≥100 FEET DEEP
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 1000 mg/kg

X PERMANENT PIT OR BGT
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, TPH (418.1) ≤ 100 mg/kg, CHLORIDES ≤ 250 mg/kg

FIELD 418.1 ANALYSIS

TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (mg/kg)
10:15	STD	—	-	-	-	209	—
13:40	BGT	1	5	20	4	111	444
		2					
		3					
		4					
		5					
		6					

PERIMETER



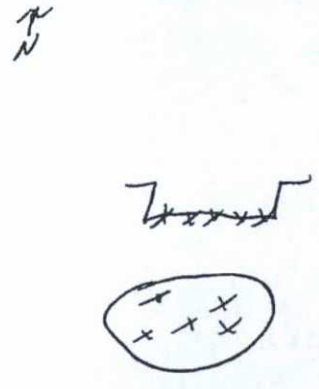
FIELD CHLORIDES RESULTS

SAMPLE ID	READING	CALC. (mg/kg)
BGT	3.8	146

PID RESULTS

SAMPLE ID	RESULTS (mg/kg)
BGT	ND

PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	RESULTS
	BENZENE	
	BTEX	
	GRO & DRO	
	CHLORIDES	

NOTES:

WORKORDER # WHO ORDERED

3925710

Client: COPC	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Project No: 92115-1940 COC No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 9/7/11

DATE FINISHED: 9/7/11

ENVIRONMENTAL SPECIALIST: SR

LOCATION: NAME: SJ 29-7 WELL #: 155

QUAD/UNIT: A SEC: 9 TWP: 29N RNG: 7W PM: NM CNTY: RA ST: NM

QTR/FOOTAGE: 1085 FNL & 1040 FEL CONTRACTOR:

EXCAVATION APPROX: NA FT. X NA FT. X NA FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: NA REMEDIATION METHOD: NA

LAND USE: Rural LEASE: LAND OWNER: Conoco

CAUSE OF RELEASE: BGT closure MATERIAL RELEASED: Unknown

SPILL LOCATED APPROXIMATELY: 122.9 FT. South FROM Fence

DEPTH TO GROUNDWATER: 125 NEAREST WATER SOURCE: 7100' NEAREST SURFACE WATER: 3901

NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: BGT chlorides 146

SAMPLE DESCRIPITION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 STD	10:15	STD	-	-	-	-	209	-
BGT Composite	13:40	BGT	-	5	20	4	111	444

SPILL PERIMETER

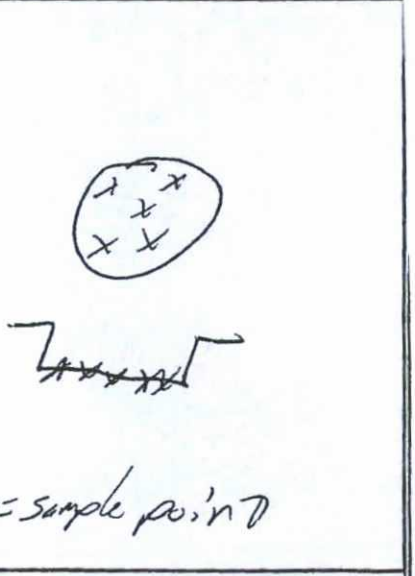
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
BGT	ND

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
BGT	8021, CL	15:30

SPILL PROFILE



TRAVEL NOTES: CALLED OUT: ONSITE: