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

Revised

OPERATOR

☐ Initial Report ☒ Final Report

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

Surface Owner **State**	Mineral Owner **State (E-3521-3)**	API No.**30-045-29509**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	36	30N	11W	790	North	1450	West	San Juan

Latitude 36.773559 Longitude 107.94621

NATURE OF RELEASE

Type of Release **Hydrocarbon**	Volume of Release **40 bbls**	Volume Recovered **0 bbls**
Source of Release **Production Tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **8/19/2013 at 3:30 PM**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Jonathan Kelly (NMOCD)**	
By Whom? **Crystal Tafoya**	Date and Hour **8/20/2013 at 9:45 AM**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

RCVD JAN 15 '14
OIL CONS. DIV.
DIST. 3

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

Describe Cause of Problem and Remedial Action Taken.*
Production tank developed a hole in the side shell approximately 2" off the bottom. Initial cause is thought to be corrosion allowing ~40bbls hydrocarbon to be released inside the containment berm. No substance was recovered and the well was immediately shut-in.

Describe Area Affected and Cleanup Action Taken.*
NMOCD action levels for releases are specified in NMOCD's Guidelines for Leaks, Spills and Releases and the release was assigned a ranking score of 20. Samples were collected and analytical resultswere above regulatory standards by USEPA method 418.1 for TPH confirming a release. The excavation was 68' X 28' X 17' and XX cubic yards of soil was transported to a third party landfarm. Excavation and confirmation sampling occurred. Analytical results for TPH and BTEX were below regulatory standards set forth; 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 L. Tafoya	OIL CONSERVATION DIVISION Approved by Environmental Specialist: Jonathan D. Kelly
Printed Name: **Crystal Tafoya**	
Title: **Field Environmental Specialist**	Approval Date: 1/23/2014 Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval: Attached ☐
Date: 11/14/13 Phone: (505) 326-9837	

* Attach Additional Sheets If Necessary

nJK1402353951

27

District I
1625 N. French Dr., Hobbs, NM 88240
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1301 W. Grand Avenue, Artesia, NM 88210
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State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **Burlington Resources Oil & Gas Company**	Contact **Crystal Tafoya**
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 326-9837
Facility Name: **Seymour Com 3**	Facility Type: **Gas Well**

Surface Owner **State**	Mineral Owner **State (E-3521-3)**	API No.**30-045-29509**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	**36**	**30N**	**11W**	**790**	**North**	**1450**	**West**	**San Juan**

Latitude 36.773559 Longitude 107.94621

NATURE OF RELEASE

Type of Release **Hydrocarbon**	Volume of Release **40 bbls**	Volume Recovered **0 bbls**
Source of Release **Production Tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **8/19/2013 at 3:30 PM**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Jonathan Kelly (NMOCD)**	
By Whom? **Crystal Tafoya**	Date and Hour **8/20/2013 at 9:45 AM**	RCVD NOV 15 '13
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	OIL CONS. DIV. DIST. 3

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

Describe Cause of Problem and Remedial Action Taken.*
Production tank developed a hole in the side shell approximately 2" off the bottom. Initial cause is thought to be corrosion allowing ~40bbls hydrocarbon to be released inside the containment berm. No substance was recovered and the well was immediately shut-in.

Describe Area Affected and Cleanup Action Taken.*
NMOCD action levels for releases are specified in NMOCD's Guidelines for Leaks, Spills and Releases and the release was assigned a ranking score of 20. Samples were collected and analytical resultswere above regulatory standards by USEPA method 418.1 for TPH confirming a release. The excavation was 68' X 28' X 17' and XX cubic yards of soil was transported to a third party landfarm. Excavation and confirmation sampling occurred. Analytical results for TPH and BTEX were below regulatory standards set forth; 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 A. Tafoya	OIL CONSERVATION DIVISION Approved by Environmental Specialist:	
Printed Name: **Crystal Tafoya**		
Title: **Field Environmental Specialist**	Approval Date:	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval:	Attached ☐
Date: 11/14/13 Phone: (505) 326-9837		

* Attach Additional Sheets If Necessary

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

November 13, 2013

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

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

RE: Initial Release Assessment and Final Excavation Report
Seymour Com #3
San Juan County, New Mexico

Dear Ms. Tafoya:

A production tank at the ConocoPhillips (CoP) Seymour Com #3 located in San Juan County, New Mexico, released approximately 40 barrels (bbls) of condensate in August 2013. Envirotech, Inc. (Envirotech) conducted a release assessment at the location on August 20, 2013. On September 12 and 16, 2013, Animas Environmental Services, LLC (AES) completed an environmental clearance of the final excavation limits. The final excavation was completed while AES was on location on September 16, 2013.

1.0 Site Information

1.1 Location

Location – NE¼ NW¼, Section 36, T30N, R11W, San Juan County, New Mexico
Well Head Latitude/Longitude – N36.77359 and W107.94666, respectively
Release Location Latitude/Longitude – N36.77366 and W107.94650, respectively
Land Jurisdiction – State of New Mexico
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, September 2013

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The location was given a ranking score of 20 based on the following factors:

- **Depth to Groundwater:** A cathodic report for the site dated March 1999 lists groundwater at the location between 80 and 90 feet below ground surface (bgs). (10 points)
- **Wellhead Protection Area:** The release location is not located within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** An unnamed wash is located approximately 600 feet north-northwest of the location. (10 points)

1.3 Assessment

Envirotech conducted the release assessment field work on August 20, 2013. The assessment included collection of five samples from within the release area near the production and waste tanks. Based on the field screening results, Envirotech recommended excavation of the release area. Details of the release assessment, along with sample locations, are included within the attached Envirotech report.

AES was initially contacted by Eric Smith, CoP contractor on September 12, 2013, and on the same day, Deborah Watson of AES collected confirmation soil samples of the west portion of the excavation. AES returned to the site to collect confirmation soil samples of the east portion of the excavation on September 16, 2013. The field screening activities included collection of eight confirmation soil samples of the walls and base of the excavation. The area of the final excavation was approximately 68 feet by 28 feet by 17 feet in depth. Sample locations and final excavation extents are presented on Figure 3.

2.0 Soil Sampling

A total of five soil samples were collected by Envirotech during the assessment. All samples were field screened for volatile organic compounds (VOCs) and selected samples were also analyzed for total petroleum hydrocarbons (TPH).

A total of eight composite samples (SC-1 through SC-8) were collected by AES during the excavation clearance. All soil samples were field screened for VOCs and also analyzed for TPH.

2.1 Field Screening

2.1.1 Volatile Organic Compounds

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

2.1.2 Total Petroleum Hydrocarbons

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

2.2 Field Screening Results

On August 20, 2013, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 120 ppm in AST at 8 feet bgs up to 975 ppm in AST at 5 feet bgs. Field TPH concentrations were reported at 25,200 mg/kg (AST at surface) and 168 mg/kg (AST at 8 feet bgs). Results are included below in Table 1. Details of the sampling are included in the attached Envirotech report.

On September 12 and 16, 2013, final excavation field screening results for VOCs via OVM showed concentrations ranging from 3.0 ppm in SC-6 up to 72.4 ppm in SC-2. Field TPH concentrations ranged from 56.1 mg/kg in SC-1 up to 96.5 mg/kg in SC-8. Results are included below in Table 1 and on Figure 3. The AES Field Screening Report is attached.

Table 1. Field Screening VOCs and TPH Results
Seymour Com #3 Initial Release Assessment and Final Excavation
August and September 2013

Sample ID	*Date Sampled*	*Sample Depth (ft bgs)*	*VOCs via OVM (ppm)*	*Field TPH (mg/kg)*
	*NMOCD Action Level**		*100*	*100*
AST**	8/20/13	Surface	**645**	**25,200**
		5	**975**	NA
		8	**120**	**168**
BGT**	8/20/13	Surface	**902**	NA
		5	**438**	NA
SC-1	9/12/13	1 to 16	10.6	56.1
SC-2	9/12/13	1 to 16	72.4	69.5
SC-3	9/12/13	1 to 16	17.1	72.2
SC-4	9/16/13	17	14.6	82.7
SC-5	9/16/13	17	36.8	95.1
SC-6	9/16/13	1 to 17	3.0	88.2
SC-7	9/16/13	1 to 17	7.2	95.1

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (mg/kg)
	*NMOCD Action Level**		*100*	*100*
SC-8	9/16/13	1 to 17	3.7	96.5

NA – not analyzed;
*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993);
**Results taken from Envirotech Report dated October 14, 2013

3.0 Conclusions and Recommendations

On August 20, 2013, Envirotech conducted an initial assessment of petroleum contaminated soils associated with a condensate release at the Seymour Com #3. On September 12 and 16, 2013, AES completed clearance sampling of the final excavation extents. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 20. During the release assessment conducted by Envirotech on August 20, 2013, field screening results for VOCs were reported above the NMOCD action level of 100 ppm in each sample. Field screening results showed TPH concentrations above the NMOCD action level of 100 mg/kg in AST, with the highest field TPH concentration reported at 25,200 mg/kg.

On September 12 and 16, 2013, final assessment of the excavation area was completed. Final excavation field screening results were reported below the NMOCD action level of 100 ppm VOCs and 100 mg/kg TPH for all of the final four walls and base of the excavation. Based on final field screening of the excavation of petroleum contaminated soils at Seymour Com #3, VOCs and TPH concentrations were below applicable NMOCD action levels for each of the sidewalls and base of the excavation. 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,

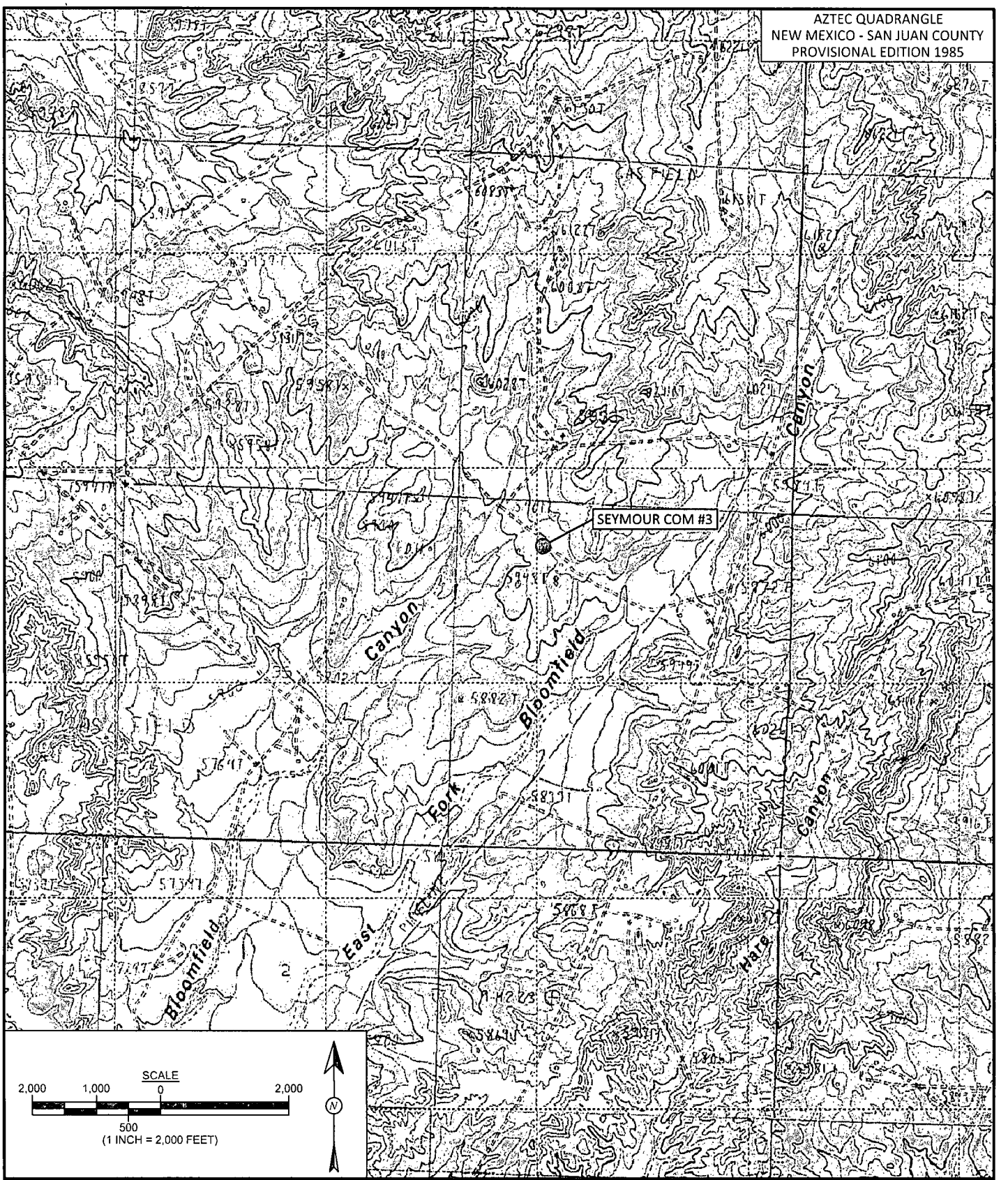
David Reese
Environmental Scientist

Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, September 2013
Figure 3. Final Excavation Soil Sample Locations and Results, September 2013
Envirotech Spill Assessment Report, October 14, 2013
AES Field Screening Report 091213 and 091613

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\Seymour Com #3\CoP Seymour Com #3 Initial Assessment and Excavation Clearance Report 111313.docx



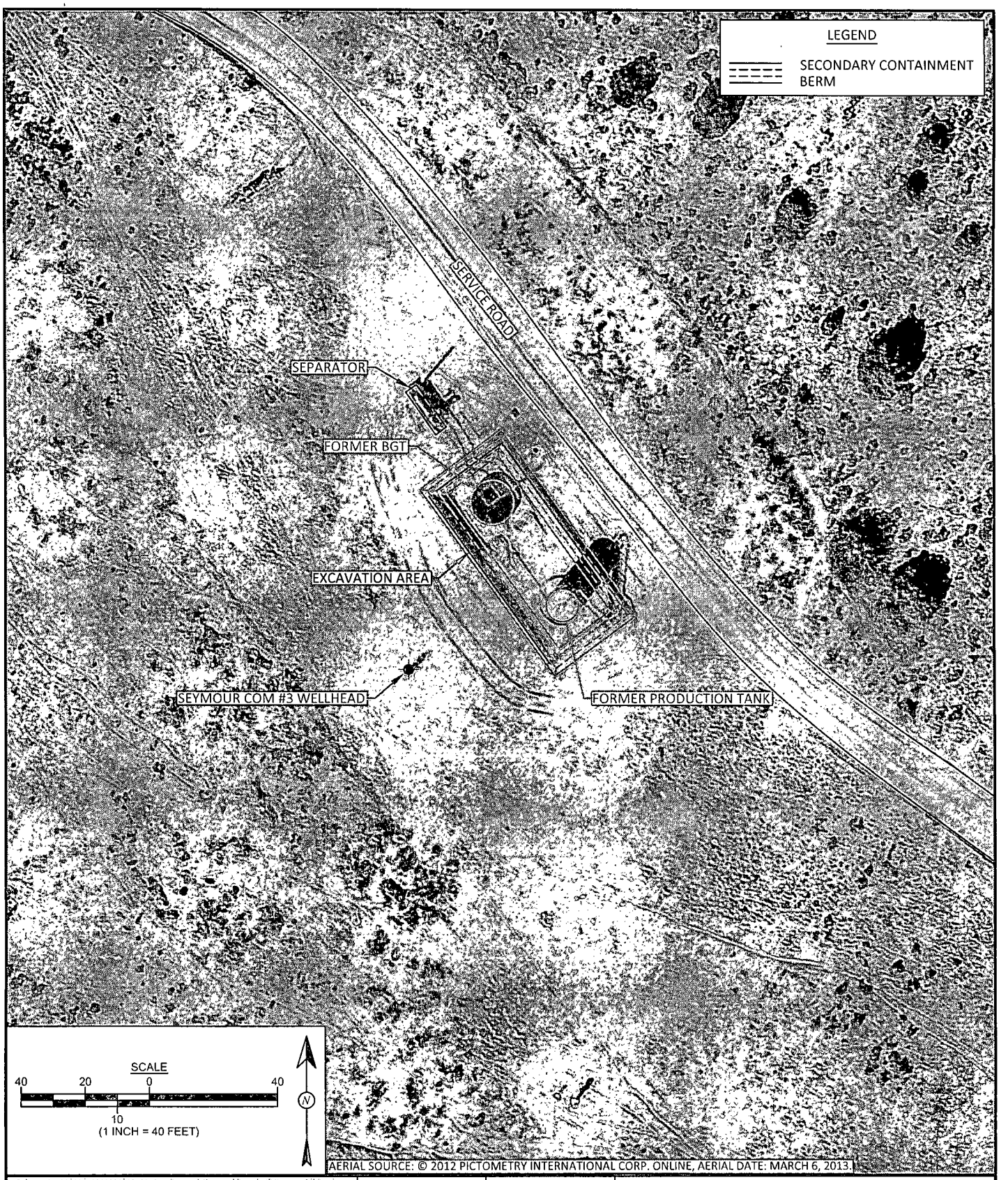
Animas Environmental Services, LLC

DRAWN BY: C. Lameman	**DATE DRAWN:** September 23, 2013
REVISIONS BY: C. Lameman	**DATE REVISED:** September 23, 2013
CHECKED BY: D. Watson	**DATE CHECKED:** September 23, 2013
APPROVED BY: E. McNally	**DATE APPROVED:** September 23, 2013

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP

ConocoPhillips
SEYMOUR COM #3
NE¼ NW¼, SECTION 36, T30N, R11W
SAN JUAN COUNTY, NEW MEXICO
N36.77359, W107.94666



AERIAL SOURCE: © 2012 PICTOMETRY INTERNATIONAL CORP. ONLINE, AERIAL DATE: MARCH 6, 2013.

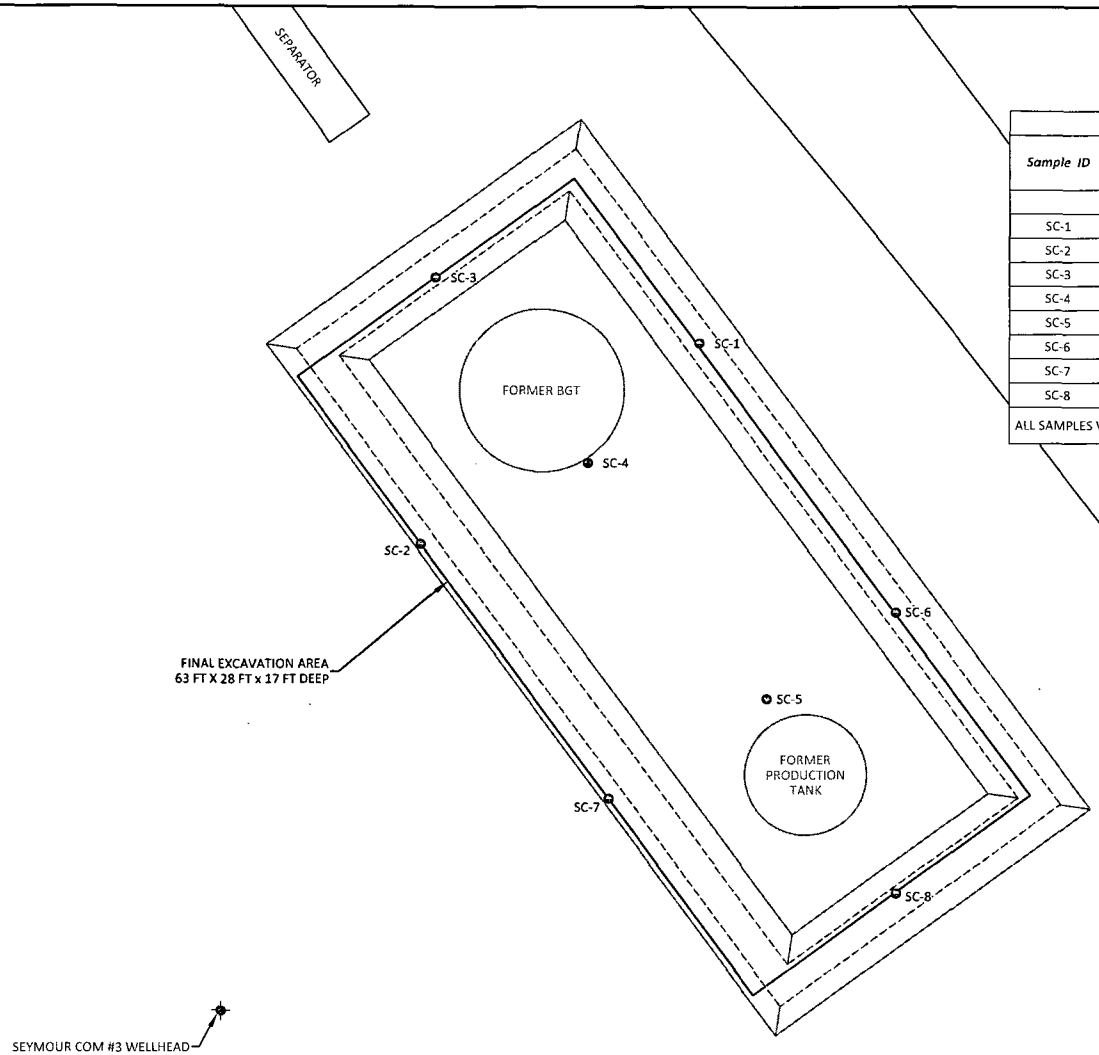
Animas Environmental Services, LLC

DRAWN BY: C. Lameman	**DATE DRAWN:** September 23, 2013	**FIGURE 2**
REVISIONS BY: C. Lameman	**DATE REVISED:** September 23, 2013	**AERIAL SITE MAP SEPTEMBER 2013** ConocoPhillips SEYMOUR COM #3 NE¼ NW¼, SECTION 36, T30N, R11W SAN JUAN COUNTY, NEW MEXICO N36.77359, W107.94666
CHECKED BY: D. Watson	**DATE CHECKED:** September 23, 2013	
APPROVED BY: E. McNally	**DATE APPROVED:** September 23, 2013	

FIGURE 3

FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS SEPTEMBER 2013

ConocoPhillips
SEYMOUR COM #3
NE¼ NW¼, SECTION 36, T30N, R11W
SAN JUAN COUNTY, NEW MEXICO
N36.77359, W107.94666



Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	100
SC-1	9/12/13	1 to 16	10.6	56.1
SC-2	9/12/13	1 to 16	72.4	69.5
SC-3	9/12/13	1 to 16	17.1	72.2
SC-4	9/16/13	17	14.6	82.7
SC-5	9/16/13	17	36.8	95.1
SC-6	9/16/13	1 to 17	3.0	88.2
SC-7	9/16/13	1 to 17	7.2	95.1
SC-8	9/16/13	1 to 17	3.7	96.5
ALL SAMPLES WERE COMPOSITE SAMPLES.				

Animas Environmental Services, LLC

DRAWN BY: C. Lameman	**DATE DRAWN:** September 23, 2013
REVISIONS BY: C. Lameman	**DATE REVISED:** September 23, 2013
CHECKED BY: D. Watson	**DATE CHECKED:** September 23, 2013
APPROVED BY: E. McNally	**DATE APPROVED:** September 23, 2013

LEGEND

- SAMPLE LOCATIONS
- SECONDARY CONTAINMENT BERM

SCALE
10 6 0 10
2
(1 INCH = 10 FEET)

envirotech

October 14, 2013 Project Number 96052-2383

Ms. Crystal Tafoya
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87402

Phone: (505) 326-9837
Cell: (505) 215-4361

RE: SPILL ASSESSMENT REPORT FOR SEYMOUR COM #3, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Tafoya:

Enclosed please find the *Spill Assessment* detailing assessment activities conducted at the Seymour Com #3 located in Section 36, Township 30 North, Range 11 West, San Juan County, New Mexico.

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.

Toni McKnight, EIT
Environmental Project Manager
tmcknight@envirotech-inc.com

Enclosures: *Spill Assessment Report*

Cc: Client File Number 96052

SPILL ASSESSMENT REPORT

LOCATION:
CONOCOPHILLIPS
SEYMOUR COM #3
SECTION 36, TOWNSHIP 30 NORTH, RANGE 11 WEST
SAN JUAN COUNTY, NEW MEXICO

CONTRACTED BY:
CONOCOPHILLIPS
MS. CRYSTAL TAFOYA
3401 EAST 30TH STREET
FARMINGTON, NEW MEXICO 87402

PROJECT NUMBER 96052-2383
AUGUST 2013

CONOCOPHILLIPS
SPILL ASSESSMENT
SEYMOUR COM #3 WELL SITE
SECTION 36, TOWNSHIP 30 NORTH, RANGE 11 WEST
SAN JUAN COUNTY, NEW MEXICO

TABLE OF CONTENTS

INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by ConocoPhillips to provide spill assessment activities due to a spill of approximately 40 barrels (bbl) of condensate at the Seymour Com #3 well site located in Section 36, Township 30 North, Range 11 West, San Juan County, New Mexico; see ***Figure 1, Vicinity Map***. The release covered an area of approximately 47 feet by 20 feet by 10 feet deep; see ***Figure 2, Spill Assessment Map*** and ***Appendix B, Field Notes***. Activities included sample collection and analysis, documentation and reporting.

ACTIVITIES PERFORMED

Envirotech, Inc. was contacted on August 20, 2013, with a request to respond to a release from an above-ground storage tank (AST) that occurred at the above referenced location. Upon arrival, a brief site assessment was conducted. Depth to groundwater was between 50 and 99 feet, the nearest surface water was between 200 and 1000 feet, and the release area was not located within a wellhead protection area. The regulatory standards for the site were determined to be 100 parts per million (ppm) total petroleum hydrocarbons (TPH) and organic vapors, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

A total of three (3) samples were collected from around the AST; one (1) at five (5) feet below ground surface (BGS), one (1) at eight (8) feet BGS, and one (1) surface composite sample. A total of two (2) samples were collected from near the bottom of the below grade tank (BGT) within the BGT pit; one (1) at five (5) feet below the bottom of the BGT and one (1) composite surface sample near the bottom of the BGT. All samples were analyzed in the field for organic vapors using a photoionization detector (PID). All sample test results were above regulatory standard for organic vapors; see ***Table 1, Summary of Analytical Results, Appendix A, Analytical Results*** and ***Appendix B, Field Notes.*** Two (2) samples, the AST at eight (8) feet and the AST at Surface, were analyzed for TPH using USEPA Method 418.1. All TPH results were above regulatory standards; see ***Table 1, Summary of Analytical Results*** and ***Appendix B, Field Notes***.

SUMMARY AND CONCLUSIONS

Spill assessment and confirmation activities were performed for a release of approximately 40 BBL of condensate at the Seymour Com #3 well site located in Section 36, Township 30 North, Range 11 West, San Juan County, New Mexico. Envirotech, Inc. recommends excavation of the spill area to the approximate dimensions of 47 feet by 20 feet by eight (8) feet deep and confirmation sampling for closure.

STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed spill assessment activities at the Seymour Com #3 well site located in Section 36, Township 30 North, Range 11 West, San Juan County, New Mexico. The work and services provided by Envirotech, Inc. were in accordance with the New Mexico Oil Conservation Division (NMOCD) and the United States Environmental Protection Agency (USEPA) standards. All observations and conclusions provided here are based on the information and current site conditions found at the site of the incident.

The undersigned has conducted this service at the above referenced site; this work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry and hydrogeology.

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,

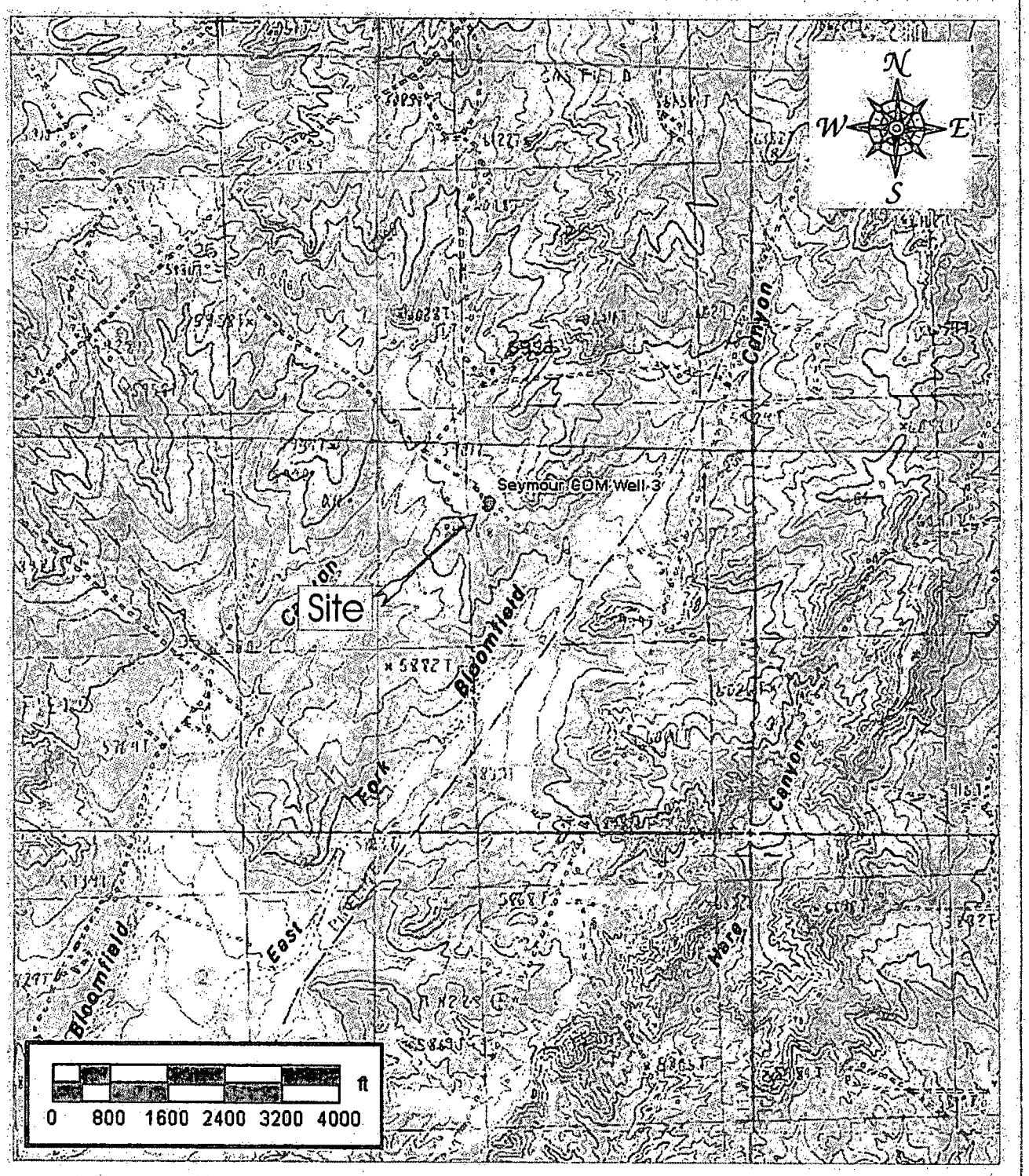
ENVIROTECH, INC.

Toni McKnight, EIT
Environmental Project Manager
tmcknight@envirotech-inc.com

Reviewed by:

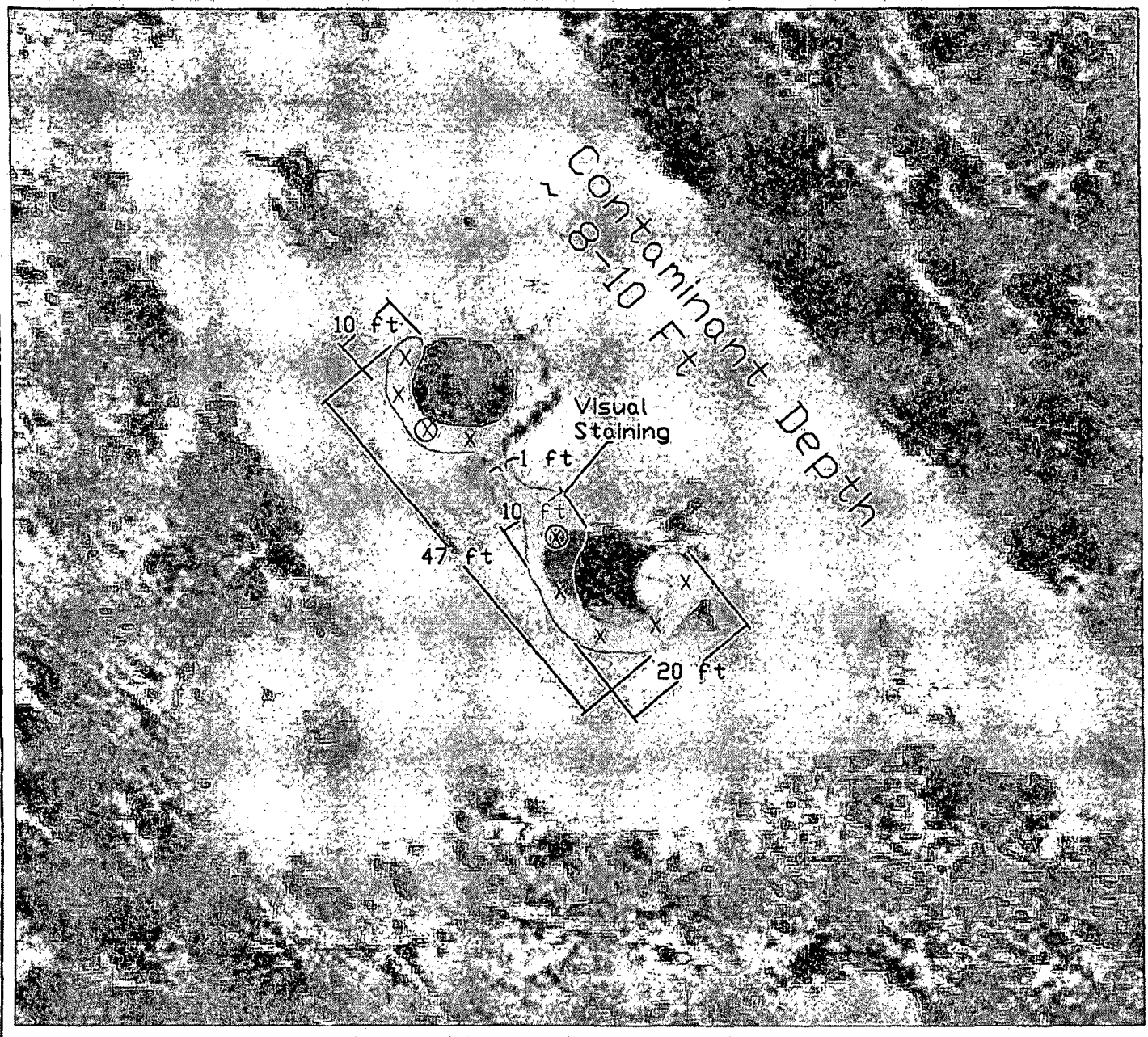
Greg Crabtree, PE
Environmental Manager
gcrabtree@envirotech-inc.com

FIGURES



Source: 7.5 Minute Aztec, San Juan County, New Mexico U.S.G.S. Topographic Quadrangle Map
Scale: 1:24,000 1" = 2000'

Conoco Phillips Seymour COM #3 Well Site Section 36, Township 30N, Range 11W San Juan County, New Mexico	envirotech ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615	Vicinity Map Figure #1
PROJECT Number: 96052-2383 Date Drawn: 9/19/13		DRAWN BY: Toni McKnight PROJECT MANAGER: Greg Crabtree



LEGEND

X Above Ground Tank (AST) Surface Sample:
Organic Vapors: 645 ppm
TPH: 25,200 ppm

Below Grade Tank (BGT) Surface Sample:
Organic Vapors: 902 ppm

⊗ Above Ground Tank (AST 5') 5 Foot BGS:
Organic Vapors: 975 ppm

Above Ground Tank (AST 8') 8 Foot BGS:
Organic Vapors: 120 ppm
TPH: 168 ppm

Below Grade Tank (BGT 5') 5 Foot BGS:
Organic Vapors: 438 ppm

SITE MAP – SITE ASSESSMENT
CONOCOPHILLIPS
SEYMOUR COM #3
SEC 36 TWN 30N RNG 11W
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS	FIGURE NO. 2	REV
PROJECT NO96052-2383		

REVISIONS

NO.	DATE	BY	DESCRIPTION

MAP DRWN	MCKNIGHT	8/21/13	BASE DRWN		

ENVIRONMENTAL SCIENTISTS & ENGINEERS
ENVIROTECH
5796 U.S. HIGHWAY 64, FARMINGTON, NM 87410 505-632-0615

TABLES

Table 1, Summary of Analytical Results
ConocoPhillips
Seymour Com # 3
Spill Assessment Report
Project Number 96052-2383

Date	Sample Description	Sample Number	PID OV (ppm)	USEPA Method 418.1 TPH (ppm)
NA	New Mexico Oil Conservation Division Standards	NA	100	100
8/20/2013	AST Surface	1	**645**	**25200**
8/20/2013	BGT Surface	2	**902**	NS
8/20/2013	AST 5'	3	**975**	NS
8/20/2013	BGT 5'	4	**438**	NS
8/20/2013	AST 8'	5	**120**	**168**

*Values in **BOLD** above regulatory limits
*Closure Sample

*NS - Parameter not sampled

APPENDIX A

Analytical Results

envirotech

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-2383
Sample No.:	1	Date Reported:	8/20/2013
Sample ID:	AST 8' BGS	Date Sampled:	8/20/2013
Sample Matrix:	Soil	Date Analyzed:	8/20/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**168**	**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: **Seymour Com #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Analyst

Toni McKnight, EIT
Printed

Review

Greg Crabtree, PE
Printed

envirotech

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-2383
Sample No.:	2	Date Reported:	8/20/2013
Sample ID:	AST Surface	Date Sampled:	8/20/2013
Sample Matrix:	Soil	Date Analyzed:	8/20/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**25,200**	**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: **Seymour Com #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Analyst

Toni McKnight, EIT
Printed

Review

Greg Crabtree, PE
Printed

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 20-Aug-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	203
	500	
	1000	

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

Analyst — Date: 8/20/2013

Toni McKnight, EIT
Print Name

Review — Date: 8/20/2013

Greg Crabtree, PE
Print Name

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APPENDIX B

Field Notes

Client: Conoco

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Project No: 96052-2383
COC No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1
DATE STARTED: 8/20/13
DATE FINISHED: 8/20/13
ENVIRONMENTAL SPECIALIST: T. McKnight

LOCATION: NAME: SEYMOUR Com WELL #: 3
QUAD/UNIT: C SEC: 36 TWP: 30N RNG: 11W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 790' FNL & 1450 FWL CONTRACTOR: Envirotech

EXCAVATION APPROX: FT. X FT. X FT. DEEP CUBIC YARDAGE:
DISPOSAL FACILITY: REMEDIATION METHOD:
LAND USE: Grazing LEASE: LAND OWNER: Federal/State
CAUSE OF RELEASE: 40 BBL Above Ground tank MATERIAL RELEASED: 40 BBL Condensate

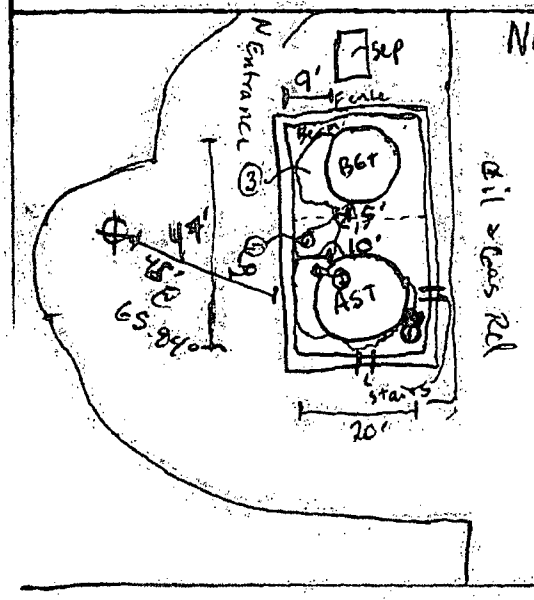
SPILL LOCATED APPROXIMATELY: 45 FT. 65.85° FROM Wellhead
DEPTH TO GROUNDWATER: 80' NEAREST WATER SOURCE: 1.86 miles NEAREST SURFACE WATER: 584 ft
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM ~~5000~~

SOIL AND EXCAVATION DESCRIPTION:
① Small 2' Diameter Soil Pile - Conoco treated & Asked for TPH & ov Field Readings
② Small Pre Dug hole - ≈ 1'x1'x6" deep
③ Visual staining - S=Surface
Visual clay layer = 6' deep - Sandy clay from Surface - 6' Bereath Ground Surface

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
100 STD	13:00	—	—	—	—	—	203	—
AST @ 8'	13:25	AST @		5	20	4	42	168
Treated Surface	13:50	Treated		5	20	4	4148	16592
~~BGT~~ Surface	13:59	AST S		5	20	4	6288	25152

Spill Area = 8ft deep - clay layer seems to stop contaminants

SPILL PERIMETER



NA

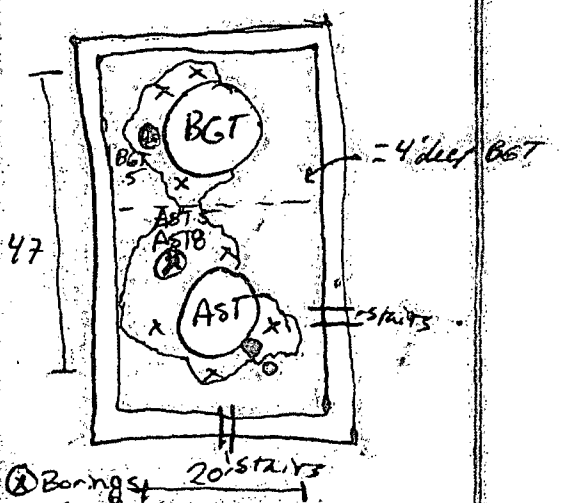
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
AST S	645
BGT S	902
AST 8'	975
BGT 5	438
AST 8	120
~~BGT~~	
Treated Surface	1676

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

SPILL PROFILE



⊗ Borings
X = Surface Samples
◎ = Treated Directly by Conoco Hydrogen Peroxide, etc. Cocox

TRAVEL NOTES: CALLED OUT: ONSI

AES Field Screening Report

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

Client: ConocoPhillips

Project Location: Seymour Com #3

Date: 9/12/2013 and 9/16/2013

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	9/12/2013	15:25	North Wall (West)	10.6	16:05	56.1	20.0	1	DAW
SC-2	9/12/2013	15:28	South Wall (West)	72.4	16:07	69.5	20.0	1	DAW
SC-3	9/12/2013	15:30	West Wall	17.1	16:10	72.2	20.0	1	DAW
SC-4	9/16/2013	11:00	Base (West)	14.6	14:01	82.7	20.0	1	DAW
SC-5	9/16/2013	13:35	Base (East)	36.8	14:43	95.1	20.0	1	DAW
SC-6	9/16/2013	13:40	North Wall (East)	3.0	14:37	88.2	20.0	1	DAW
SC-7	9/16/2013	13:45	South Wall (East)	7.2	14:43	95.1	20.0	1	DAW
SC-8	9/16/2013	14:25	East Wall	3.7	14:55	96.5	20.0	1	DAW

DF Dilution Factor
NA Not Analyzed
ND Not Detected at the Reporting Limit
PQL Practical Quantitation Limit
Total Petroleum Hydrocarbons - USEPA 418.1
**Field TPH concentrations recorded may be below PQL.*

Analyst: Deborah Watson

Report Finalized: 09/16/13