2RP-3876
REMEDIATION PLAN
Nash Draw Tank Battery #9
Eddy County, New Mexico

LAI Project No. 16-0108-03

November 2, 2016

Prepared for:

XTO Energy, Inc.
500 W. Illinois Ave., Suite 100
Midland, Texas 79707

Prepared by:

Larson & Associates, Inc.
507 North Marienfeld Street, Suite 205
Midland, Texas 79701

Mark J. Larson, P.G.

Certified Professional Geologist #10490

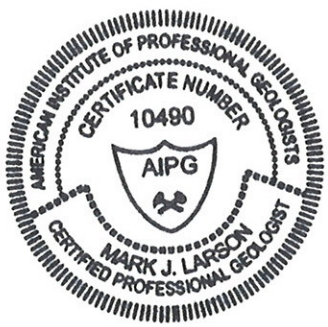

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Table of Contents

Tables

Figures

Appendices

1.0 INTRODUCTION

This document is prepared by Larson & Associates, Inc. (LAI) on behalf of XTO Energy, Inc. (XTO) for submittal to the New Mexico Oil Conservation Division (OCD) District 2 and U.S. Bureau of Land Management (BLM) to present the investigation results and remediation plan for contamination at the Nash Draw Unit tank battery #9 (Site). XTO consolidated production from several tank batteries into a three (3) tank batteries therefore the tank battery is no longer needed and is being remediated. Equipment was removed from the Site in early 2016 to allow for the soil investigation and remediation. On September 7, 2016, XTO submitted the initial C-141 to OCD District 2 and the Site was assigned remediation permit number 2RP-3876. The Site is located in Unit B (NW/4, NE/4), Section 13, Township 23 South, Range 29 East in Eddy County, New Mexico. The geodetic position is North 33.309722° and West -103.936944°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Setting

The setting is as follows:

- Elevation is approximately 3,000 feet above mean sea level (AMSL);
- Topography slopes west toward a playa lake (Salt Lake) located about 700 feet west of the Site;
- Surface geology is comprised of unconsolidated Holocene to mid- Pleistocene-age eolian and piedmont-slope deposits that are approximately 80 feet thick according to a log from a nearby well;
- The Triassic-age Chinle formation of the Dockum group underlies the unconsolidated deposits and is comprised of interbedded sand, clay, and mudstone;
- According to New Mexico Office of the State Engineer (NMOSE) records a well is located about 1.50 miles south in Unit J, Section 24, Township 23 South, Range 29 East, with groundwater reported at about 54 feet below ground surface (bgs).

1.2 Remediation Action Levels

Remediation action levels (RRAL) were calculated for benzene, BTEX and TPH based on the following criteria established by the New Mexico Oil Conservation Division (OCD) in "*Guidelines for Remediation of Leaks, Spills and Releases, August 13,* 1993":

Criteria	*Result*	*Score*
Depth-to-Groundwater	50 - 99 feet	10
Wellhead Protection Area	No	0
Distance to Surface Water Body	200 - 1000 Horizontal Feet	10

The following RRAL apply to the release for ranking score: **20**

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 100 mg/Kg

1.3 Investigation Soil Samples

Investigation soil samples were collected on June 21, 2016. LAI personnel used a Terraprobe® direct-push rig to collect soil samples at five (5) locations (DP-03-01 through DP-03-05) between ground surface and approximately four (4) feet bgs. A background sample (DP-03-BG) was collected at about 1 foot bgs about 70 feet west of the Site. Additional samples were collected with a backhoe (September 29, 2016) and air rotary rig with jam tube sampler (October 10, 2016) to define the vertical extent of impact. The samples were tested for headspace vapors with a calibrated photoionization detector (PID) and all were less than 100 parts per million (ppm). Permian Basin Environmental Lab (PBEL) located in Midland, Texas, analyzed the samples for total petroleum hydrocarbons (TPH) including gasoline (GRO), diesel (DRO) and oil (ORO) range organics by EPA SW-846 Method 8015 and chloride by method 300. The background sample was analyzed for chloride. Table 1 presents the investigation sample laboratory analytical data summary. Figure 3 presents a Site drawing and sample locations. Appendix A presents the laboratory reports.

Referring to Table 1, the RRAL for TPH was exceeded in samples from locations DP-03-01, DP-03-02, DP-03-04 and DP-03-05. Chloride was delineated below 250 milligrams per kilogram (mg/Kg) in boring DP-03-02 at 10 feet bgs (60.2 mg/Kg). The background chloride concentration is 59.4 mg/Kg.

2.0 REMEDIATION PLAN

XTO proposes to excavate soil from the area approximately 10 x 20 feet based on field observations, around DP-03-01 to approximately 5 feet bgs. Samples will be collected from the excavation sidewalls for laboratory analysis (BTEX and TPH) to determine if concentrations are below the RRAL. Additional soil will be removed as necessary to achieve the RRAL. The excavation will be filled to surface with clean soil.

Soil will be excavated from the area approximately 20 x 40 feet based on field observations, around DP-03-02 to about 8 feet bgs. Samples will be collected from the excavation sidewalls for laboratory analysis (BTEX and TPH) to determine if concentrations are below the RRAL. Additional soil will be removed as necessary to achieve the RRAL. The excavation will be filled to surface with clean soil.

Soil will be excavated from the area approximately 20 x 20 feet based on field observations, around DP-03-04 to about 2 feet bgs. Additional soil will be removed as necessary based on visual observations for hydrocarbon staining and odor. The excavation will be filled to surface with clean soil.

Soil will be excavated from the area approximately 20 x 40 feet based on field observations, around DP-03-05 to about 4 feet bgs. Samples will be collected from the excavation sidewalls for laboratory analysis (BTEX and TPH) to determine if concentrations are below the RRAL. Additional soil will be removed as necessary to achieve the RRAL. The excavation will be filled to surface with clean soil.

Contaminated soil will be disposed at and clean soil acquired from Lea Land Landfill, LLC. The surface will be restored to BLM requirements following remediation. A final report will be submitted to OCD District 2 and BLM upon completion of remediation. Figure 4 presents the approximate locations for the remediation areas. Appendix B presents the initial C-141.

Tables

Table 1
2RP-3876
Investigation Soil Sample Analytical Data Summary
XTO Energy, Inc., Nash Draw Tank Battery 9
Unit B (NW/4, NE/4), Section 13, Township 23 South, Range 29 East
Eddy County, New Mexico
N32.309722° W-103.9366944°

Location	Depth (Feet)	Collection Date	Status	C6 - C12 (mg/Kg)	>C12 - C28 (mg/Kg)	>C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
OCD RRAL:							**100**	
DP-03 -BG	0 - 1	6/21/2016	In-Situ	<26.0	<26.0	<26.0	<26.0	59.4
DP-03-01	0 - 1	6/21/2016	In-Situ	390	3,670	1,130	**5,190**	63.9
	1 - 2	6/21/2016	In-Situ	--	--	--	--	--
	2 - 3	6/21/2016	In-Situ	876	10,200	1,440	**12,516**	**330**
	3 - 4	6/21/2016	In-Situ	1,080	10,500	1,370	**12,950**	104
	6	9/29/2016	In-Situ	<29.1	80.0	<29.1	**80.0**	--
	10	9/29/2016	In-Situ	<27.5	137	41.5	**178.5**	--
	14	9/29/2016	In-Situ	<27.2	68.8	<27.2	**68.8**	--
DP-03-02	0 - 1	6/21/2016	In-Situ	641	12,800	2,250	**15,691**	**608**
	1 - 2	6/21/2016	In-Situ	921	17,600	2,250	**20,771**	**1,590**
	2 - 3	6/21/2016	In-Situ	274	7,390	1,290	**8,954**	**1,690**
	3 - 4	6/21/2016	In-Situ	403	11,500	1,450	**13,300**	**715**
	6	9/29/2016	In-Situ	381	5,620	776	**6,770**	**1,110**
	7	9/29/2016	In-Situ	160	1,790	320	**2,270**	**760**
	10	10/19/2016	In-Situ	<26.6	<26.6	<26.6	<26.6	60.2
	15	10/19/2016	In-Situ	<26.3	<26.3	<26.3	<26.3	158
	20	10/19/2016	In-Situ	--	--	--	--	--
DP-03-03	0 - 1	6/21/2016	In-Situ	<28.1	379	107	**486**	53.7

Table 1
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Investigation Soil Sample Analytical Data Summary
XTO Energy, Inc., Nash Draw Tank Battery 9
Unit B (NW/4, NE/4), Section 13, Township 23 South, Range 29 East
Eddy County, New Mexico
N32.309722° W-103.9366944°

Location	Depth (Feet)	Collection Date	Status	C6 - C12 (mg/Kg)	>C12 - C28 (mg/Kg)	>C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
OCD RRAL:							**100**	
	1 - 2	6/21/2016	In-Situ	--	--	--	--	--
	2 - 3	6/21/2016	In-Situ	--	--	--	--	--
DP-03-04	0 - 1	6/21/2016	In-Situ	<139	3,750	857	**4,607**	**1,680**
	1 - 2	6/21/2016	In-Situ	<31.6	134	41.9	**175.9**	275
	2 - 3	6/21/2016	In-Situ	<26.9	27.9	<26.9	**27.9**	--
DP-03-05	0 - 1	6/21/2016	In-Situ	1,430	19,300	3,500	**24,230**	**6,170**
	1 - 2	6/21/2016	In-Situ	45.3	3,800	583	**4,428.30**	**1,170**
	2 - 3	6/21/2016	In-Situ	35.0	2,000	280	**2,310**	**574**
	4	9/29/2016	In-Situ	<28.7	71.7	<28.7	**71.7**	**152**
	6	9/29/2016	In-Situ	<29.1	<29.1	<29.1	<29.1	**755**
	9	9/29/2016	In-Situ	<27.5	66.8	<27.5	**66.8**	**494**

Notes: laboratory analysis performed by Permian Basin Environmental Lab, Midland, Texas, by EPA SW-846 method 8015M (TPH) and 300.0 (chloride)
Depth in feet below ground surface (bgs)
mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)
RRAL: Remediation action level calculated from OCD guidence document (August 13, 1993)
P: analysis pending

FIGURES

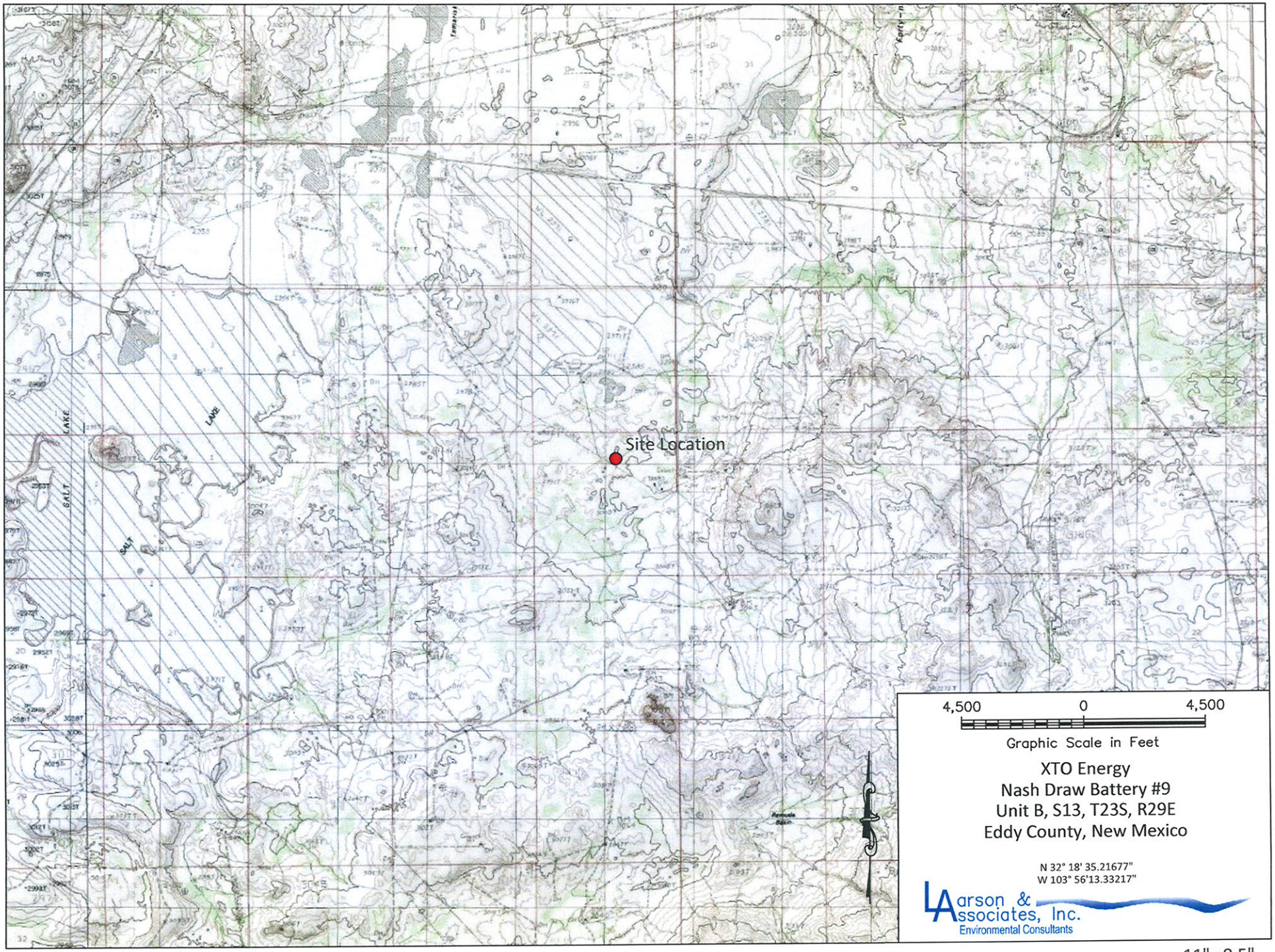
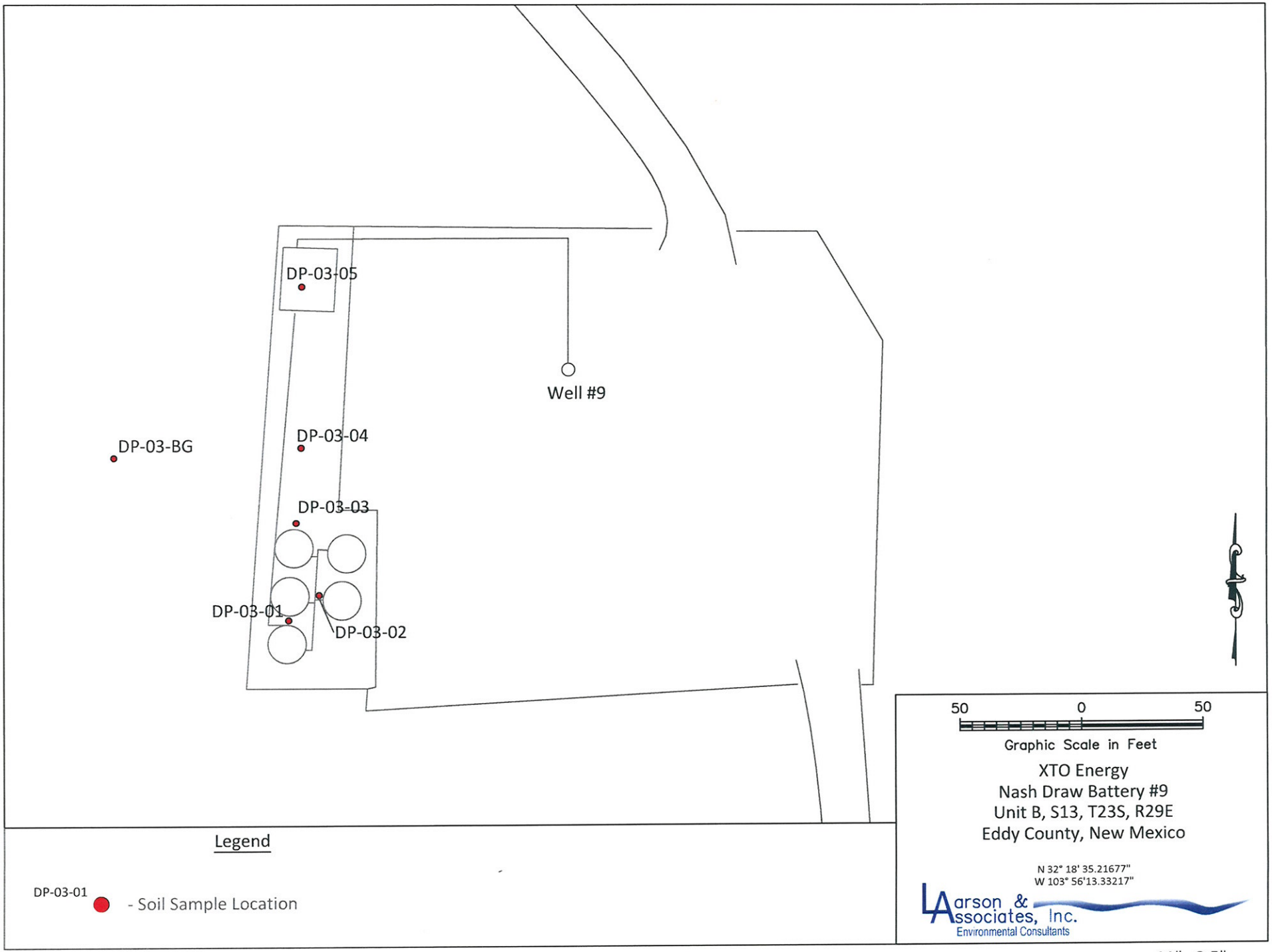


Figure 1 - Topographic Map

11"x 8.5"

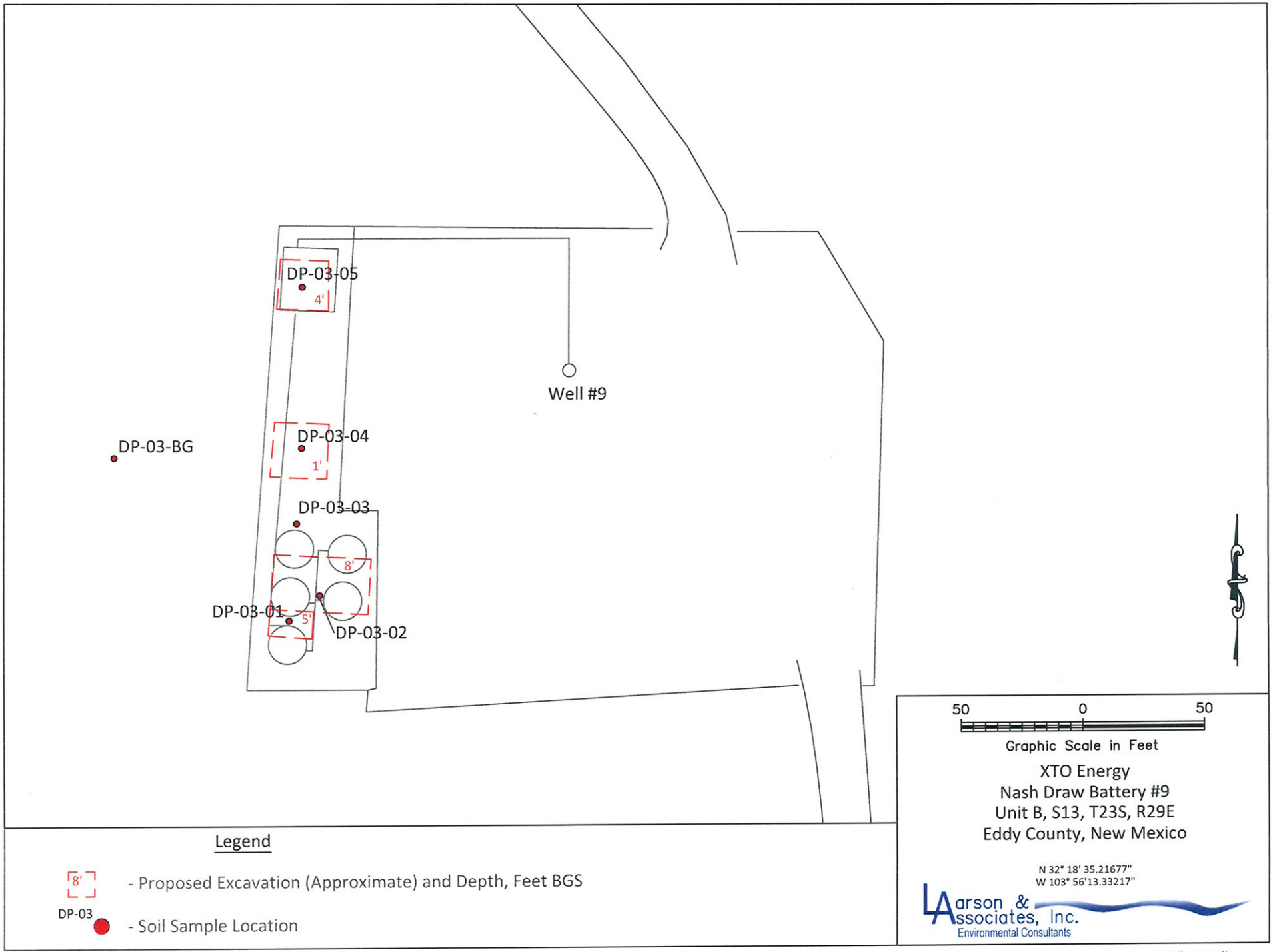
Figure 2 - Aerial Map

11"x 8.5"



11"x 8.5"

Figure 3 - Site Map Showing Soil Sample Locations



11"x 8.5"

Figure 4 - Site Map Showing Soil Sample Locations and Proposed Excavation Area and Depth

APPENDIX A

Laboratory Reports

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: XTO Nash Draw Site 3
Project Number: 16-0108-03
Location: New Mexico

Lab Order Number: 6F26004

NELAP/TCEQ # T104704156-13-3

Report Date: 07/20/16

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO Nash Draw Site 3
Project Number: 16-0108-03
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP-03-05 (0-1)	6F26004-01	Soil	06/21/16 09:20	06-24-2016 16:30
DP-03-05 (1-2)	6F26004-02	Soil	06/21/16 09:20	06-24-2016 16:30
DP-03-05 (2-3)	6F26004-03	Soil	06/21/16 09:20	06-24-2016 16:30
DP-03-04 (0-1)	6F26004-04	Soil	06/21/16 09:35	06-24-2016 16:30
DP-03-04 (1-2)	6F26004-05	Soil	06/21/16 09:35	06-24-2016 16:30
DP-03-04 (2-3)	6F26004-06	Soil	06/21/16 09:35	06-24-2016 16:30
DP-03-03 (0-1)	6F26004-07	Soil	06/21/16 09:45	06-24-2016 16:30
DP-03-02 (0-1)	6F26004-10	Soil	06/21/16 10:00	06-24-2016 16:30
DP-03-02 (1-2)	6F26004-11	Soil	06/21/16 10:00	06-24-2016 16:30
DP-03-02 (2-3)	6F26004-12	Soil	06/21/16 10:00	06-24-2016 16:30
DP-03-02 (3-4)	6F26004-13	Soil	06/21/16 10:00	06-24-2016 16:30
DP-03-01 (0-1)	6F26004-14	Soil	06/21/16 10:05	06-24-2016 16:30
DP-03-01 (2-3)	6F26004-16	Soil	06/21/16 10:05	06-24-2016 16:30
DP-03-01 (3-4)	6F26004-17	Soil	06/21/16 10:05	06-24-2016 16:30
DP-03-BG (0-1)	6F26004-18	Soil	06/21/16 10:15	06-24-2016 16:30

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Project: XTO Nash Draw Site 3
Project Number: 16-0108-03
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Fax: (432) 687-0456

DP-03-05 (0-1)

6F26004-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6170**	27.5	mg/kg dry	25	P6F2802	06/27/16	06/28/16	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P6F2901	06/29/16	06/29/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**1430**	275	mg/kg dry	10	P6F2906	06/26/16	06/27/16	TPH 8015M	
>C12-C28	**19300**	275	mg/kg dry	10	P6F2906	06/26/16	06/27/16	TPH 8015M	
>C28-C35	**3500**	275	mg/kg dry	10	P6F2906	06/26/16	06/27/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*121 %*	*70-130*		*P6F2906*	*06/26/16*	*06/27/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*125 %*	*70-130*		*P6F2906*	*06/26/16*	*06/27/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**24200**	275	mg/kg dry	10	[CALC]	06/26/16	06/27/16	calc	

DP-03-05 (1-2)

6F26004-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1170**	5.43	mg/kg dry	5	P6G0711	07/06/16	07/07/16	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P6G0501	07/05/16	07/05/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**45.3**	27.2	mg/kg dry	1	P6G0705	07/01/16	07/01/16	TPH 8015M	
>C12-C28	**3800**	27.2	mg/kg dry	1	P6G0705	07/01/16	07/01/16	TPH 8015M	
>C28-C35	**583**	27.2	mg/kg dry	1	P6G0705	07/01/16	07/01/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.1 %*	*70-130*		*P6G0705*	*07/01/16*	*07/01/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*98.8 %*	*70-130*		*P6G0705*	*07/01/16*	*07/01/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**4430**	27.2	mg/kg dry	1	[CALC]	07/01/16	07/01/16	calc	

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DP-03-05 (2-3)

6F26004-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**574**	26.9	mg/kg dry	25	P6G1407	07/15/16	07/15/16	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P6G0501	07/05/16	07/05/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**35.0**	26.9	mg/kg dry	1	P6G0705	07/01/16	07/01/16	TPH 8015M	
>C12-C28	**2000**	26.9	mg/kg dry	1	P6G0705	07/01/16	07/01/16	TPH 8015M	
>C28-C35	**280**	26.9	mg/kg dry	1	P6G0705	07/01/16	07/01/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.5 %*	*70-130*		*P6G0705*	*07/01/16*	*07/01/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P6G0705*	*07/01/16*	*07/01/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**2310**	26.9	mg/kg dry	1	[CALC]	07/01/16	07/01/16	calc	

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DP-03-04 (0-1)

6F26004-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1680**	5.56	mg/kg dry	5	P6F2802	06/27/16	06/28/16	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P6F2901	06/29/16	06/29/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	139	mg/kg dry	5	P6F2906	06/26/16	06/27/16	TPH 8015M	
>C12-C28	**3750**	139	mg/kg dry	5	P6F2906	06/26/16	06/27/16	TPH 8015M	
>C28-C35	**857**	139	mg/kg dry	5	P6F2906	06/26/16	06/27/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.0 %*	*70-130*		*P6F2906*	*06/26/16*	*06/27/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P6F2906*	*06/26/16*	*06/27/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**4610**	139	mg/kg dry	5	[CALC]	06/26/16	06/27/16	calc	

DP-03-04 (1-2)

6F26004-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**275**	1.27	mg/kg dry	1	P6G0711	07/06/16	07/07/16	EPA 300.0	
% Moisture	**21.0**	0.1	%	1	P6G0501	07/05/16	07/05/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	31.6	mg/kg dry	1	P6G0602	07/01/16	07/02/16	TPH 8015M	
>C12-C28	**134**	31.6	mg/kg dry	1	P6G0602	07/01/16	07/02/16	TPH 8015M	
>C28-C35	**41.9**	31.6	mg/kg dry	1	P6G0602	07/01/16	07/02/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		*P6G0602*	*07/01/16*	*07/02/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*134 %*	*70-130*		*P6G0602*	*07/01/16*	*07/02/16*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**175**	31.6	mg/kg dry	1	[CALC]	07/01/16	07/02/16	calc	

DP-03-04 (2-3)

6F26004-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	**7.0**	0.1	%	1	P6G0501	07/05/16	07/05/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P6G0602	07/01/16	07/02/16	TPH 8015M	
>C12-C28	**27.9**	26.9	mg/kg dry	1	P6G0602	07/01/16	07/02/16	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P6G0602	07/01/16	07/02/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		*P6G0602*	*07/01/16*	*07/02/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*127 %*	*70-130*		*P6G0602*	*07/01/16*	*07/02/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**27.9**	26.9	mg/kg dry	1	[CALC]	07/01/16	07/02/16	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

DP-03-03 (0-1)

6F26004-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**53.7**	11.2	mg/kg dry	10	P6F2802	06/27/16	06/28/16	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P6F2901	06/29/16	06/29/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.1	mg/kg dry	1	P6F2906	06/26/16	06/27/16	TPH 8015M	
>C12-C28	**379**	28.1	mg/kg dry	1	P6F2906	06/26/16	06/27/16	TPH 8015M	
>C28-C35	**107**	28.1	mg/kg dry	1	P6F2906	06/26/16	06/27/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.4 %*	*70-130*		*P6F2906*	*06/26/16*	*06/27/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P6F2906*	*06/26/16*	*06/27/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**486**	28.1	mg/kg dry	1	[CALC]	06/26/16	06/27/16	calc	

DP-03-02 (0-1)

6F26004-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**608**	5.43	mg/kg dry	5	P6F2802	06/27/16	06/28/16	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P6F2901	06/29/16	06/29/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**641**	136	mg/kg dry	5	P6F2906	06/26/16	06/27/16	TPH 8015M	
>C12-C28	**12800**	136	mg/kg dry	5	P6F2906	06/26/16	06/27/16	TPH 8015M	
>C28-C35	**2250**	136	mg/kg dry	5	P6F2906	06/26/16	06/27/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.0 %*	*70-130*		*P6F2906*	*06/26/16*	*06/27/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P6F2906*	*06/26/16*	*06/27/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**15700**	136	mg/kg dry	5	[CALC]	06/26/16	06/27/16	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

DP-03-02 (1-2)

6F26004-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1590**	5.68	mg/kg dry	5	P6G1407	07/15/16	07/15/16	EPA 300.0	
% Moisture	**12.0**	0.1	%	1	P6G0501	07/05/16	07/05/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**921**	142	mg/kg dry	5	P6G0707	07/01/16	07/02/16	TPH 8015M	
>C12-C28	**17600**	142	mg/kg dry	5	P6G0707	07/01/16	07/02/16	TPH 8015M	
>C28-C35	**2250**	142	mg/kg dry	5	P6G0707	07/01/16	07/02/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		*P6G0707*	*07/01/16*	*07/02/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P6G0707*	*07/01/16*	*07/02/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**20700**	142	mg/kg dry	5	[CALC]	07/01/16	07/02/16	calc	

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P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

DP-03-02 (2-3)

6F26004-12 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1690**	5.75	mg/kg dry	5	P6G1407	07/15/16	07/15/16	EPA 300.0	
% Moisture	**13.0**	0.1	%	1	P6G0501	07/05/16	07/05/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**274**	144	mg/kg dry	5	P6G0707	07/01/16	07/02/16	TPH 8015M	
>C12-C28	**7390**	144	mg/kg dry	5	P6G0707	07/01/16	07/02/16	TPH 8015M	
>C28-C35	**1290**	144	mg/kg dry	5	P6G0707	07/01/16	07/02/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*126 %*	*70-130*		*P6G0707*	*07/01/16*	*07/02/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*138 %*	*70-130*		*P6G0707*	*07/01/16*	*07/02/16*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**8960**	144	mg/kg dry	5	[CALC]	07/01/16	07/02/16	calc	

DP-03-02 (3-4)

6F26004-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**715**	1.12	mg/kg dry	1	P6G1407	07/15/16	07/15/16	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P6G1401	07/14/16	07/14/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**403**	140	mg/kg dry	5	P6G1803	07/15/16	07/16/16	TPH 8015M	O-04
>C12-C28	**11500**	140	mg/kg dry	5	P6G1803	07/15/16	07/16/16	TPH 8015M	O-04
>C28-C35	**1450**	140	mg/kg dry	5	P6G1803	07/15/16	07/16/16	TPH 8015M	O-04
Surrogate: 1-Chlorooctane		*139 %*	*70-130*		*P6G1803*	*07/15/16*	*07/16/16*	*TPH 8015M*	*O-04, S-06*
Surrogate: o-Terphenyl		*151 %*	*70-130*		*P6G1803*	*07/15/16*	*07/16/16*	*TPH 8015M*	*O-04, S-06*
Total Petroleum Hydrocarbon C6-C35	**13300**	140	mg/kg dry	5	[CALC]	07/15/16	07/16/16	calc	

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P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

DP-03-01 (0-1)

6F26004-14 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**63.9**	10.5	mg/kg dry	10	P6F2802	06/27/16	06/28/16	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P6F2901	06/29/16	06/29/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**390**	26.3	mg/kg dry	1	P6F2906	06/26/16	06/28/16	TPH 8015M	
>C12-C28	**3670**	26.3	mg/kg dry	1	P6F2906	06/26/16	06/28/16	TPH 8015M	
>C28-C35	**1130**	26.3	mg/kg dry	1	P6F2906	06/26/16	06/28/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		*P6F2906*	*06/26/16*	*06/28/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*127 %*	*70-130*		*P6F2906*	*06/26/16*	*06/28/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**5180**	26.3	mg/kg dry	1	[CALC]	06/26/16	06/28/16	calc	

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P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

DP-03-01 (2-3)

6F26004-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**330**	28.7	mg/kg dry	25	P6F2802	06/27/16	06/28/16	EPA 300.0	
% Moisture	**13.0**	0.1	%	1	P6F2901	06/29/16	06/29/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**876**	144	mg/kg dry	5	P6F2906	06/26/16	06/27/16	TPH 8015M	
>C12-C28	**10200**	144	mg/kg dry	5	P6F2906	06/26/16	06/27/16	TPH 8015M	
>C28-C35	**1440**	144	mg/kg dry	5	P6F2906	06/26/16	06/27/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*89.1 %*	*70-130*		*P6F2906*	*06/26/16*	*06/27/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P6F2906*	*06/26/16*	*06/27/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**12500**	144	mg/kg dry	5	[CALC]	06/26/16	06/27/16	calc	

DP-03-01 (3-4)

6F26004-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**104**	1.11	mg/kg dry	1	P6G1407	07/15/16	07/15/16	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P6G0808	07/07/16	07/07/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**1080**	139	mg/kg dry	5	P6G0704	07/01/16	07/03/16	TPH 8015M	
>C12-C28	**10500**	139	mg/kg dry	5	P6G0704	07/01/16	07/03/16	TPH 8015M	
>C28-C35	**1370**	139	mg/kg dry	5	P6G0704	07/01/16	07/03/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		*P6G0704*	*07/01/16*	*07/03/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*124 %*	*70-130*		*P6G0704*	*07/01/16*	*07/03/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**12900**	139	mg/kg dry	5	[CALC]	07/01/16	07/03/16	calc	

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P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

DP-03-BG (0-1)

6F26004-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**59.4**	5.21	mg/kg dry	5	P6F2802	06/27/16	06/28/16	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P6F2901	06/29/16	06/29/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P6F2906	06/26/16	06/27/16	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P6F2906	06/26/16	06/27/16	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P6F2906	06/26/16	06/27/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*87.9 %*	*70-130*		*P6F2906*	*06/26/16*	*06/27/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P6F2906*	*06/26/16*	*06/27/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	06/26/16	06/27/16	calc	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6F2802 - * DEFAULT PREP *** **										
Blank (P6F2802-BLK1)				Prepared & Analyzed: 06/27/16						
Chloride	ND	1.00	mg/kg wet							
LCS (P6F2802-BS1)				Prepared & Analyzed: 06/27/16						
Chloride	175	1.00	mg/kg wet	200		87.6	80-120			
LCS Dup (P6F2802-BSD1)				Prepared & Analyzed: 06/27/16						
Chloride	173	1.00	mg/kg wet	200		86.6	80-120	1.13	20	
Duplicate (P6F2802-DUP1)		Source: 6F26002-01		Prepared & Analyzed: 06/27/16						
Chloride	162	1.03	mg/kg dry		165			1.53	20	
Duplicate (P6F2802-DUP2)		Source: 6F26003-08		Prepared & Analyzed: 06/27/16						
Chloride	70.9	10.6	mg/kg dry		68.9			2.74	20	
Matrix Spike (P6F2802-MS1)		Source: 6F26004-18		Prepared: 06/27/16 Analyzed: 06/28/16						
Chloride	204	5.21	mg/kg dry	208	59.4	69.5	80-120			QM-07
Batch P6F2901 - * DEFAULT PREP *** **										
Blank (P6F2901-BLK1)				Prepared & Analyzed: 06/29/16						
% Moisture	ND	0.1	%							
Duplicate (P6F2901-DUP1)		Source: 6F26010-37		Prepared & Analyzed: 06/29/16						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P6F2901-DUP2)		Source: 6F26008-08		Prepared & Analyzed: 06/29/16						
% Moisture	11.0	0.1	%		12.0			8.70	20	

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P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6F2901 - * DEFAULT PREP *** **										
Duplicate (P6F2901-DUP3)		**Source: 6F26008-12**		Prepared & Analyzed: 06/29/16						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Batch P6G0501 - * DEFAULT PREP *** **										
Blank (P6G0501-BLK1)				Prepared & Analyzed: 07/05/16						
% Moisture	ND	0.1	%							
Duplicate (P6G0501-DUP1)		**Source: 6F26006-06**		Prepared & Analyzed: 07/05/16						
% Moisture	13.0	0.1	%		13.0			0.00	20	
Duplicate (P6G0501-DUP2)		**Source: 6F26009-23**		Prepared & Analyzed: 07/05/16						
% Moisture	14.0	0.1	%		17.0			19.4	20	
Duplicate (P6G0501-DUP3)		**Source: 6G01003-01**		Prepared & Analyzed: 07/05/16						
% Moisture	6.0	0.1	%		5.0			18.2	20	
Duplicate (P6G0501-DUP4)		**Source: 6G01008-02**		Prepared & Analyzed: 07/05/16						
% Moisture	13.0	0.1	%		12.0			8.00	20	
Batch P6G0711 - * DEFAULT PREP *** **										
Blank (P6G0711-BLK1)				Prepared: 07/06/16 Analyzed: 07/07/16						
Chloride	ND	1.00	mg/kg wet							
LCS (P6G0711-BS1)				Prepared: 07/06/16 Analyzed: 07/07/16						
Chloride	179	1.00	mg/kg wet	200		89.4	80-120			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6G0711 - * DEFAULT PREP *** **										
LCS Dup (P6G0711-BSD1)				Prepared: 07/06/16 Analyzed: 07/07/16						
Chloride	177	1.00	mg/kg wet	200		88.4	80-120	1.13	20	
Duplicate (P6G0711-DUP1)		Source: 6F30003-04		Prepared: 07/06/16 Analyzed: 07/07/16						
Chloride	3080	27.5	mg/kg dry		3010			2.22	20	
Duplicate (P6G0711-DUP2)		Source: 6F30003-14		Prepared: 07/06/16 Analyzed: 07/07/16						
Chloride	20.8	1.16	mg/kg dry		22.7			8.66	20	
Batch P6G0808 - * DEFAULT PREP *** **										
Blank (P6G0808-BLK1)				Prepared & Analyzed: 07/07/16						
% Moisture	ND	0.1	%							
Duplicate (P6G0808-DUP1)		Source: 6F26009-27		Prepared & Analyzed: 07/07/16						
% Moisture	15.0	0.1	%		17.0			12.5	20	
Batch P6G1401 - * DEFAULT PREP *** **										
Blank (P6G1401-BLK1)				Prepared & Analyzed: 07/14/16						
% Moisture	ND	0.1	%							
Duplicate (P6G1401-DUP1)		Source: 6G13010-02		Prepared & Analyzed: 07/14/16						
% Moisture	8.0	0.1	%		9.0			11.8	20	
Duplicate (P6G1401-DUP2)		Source: 6G13015-01		Prepared & Analyzed: 07/14/16						
% Moisture	2.0	0.1	%		2.0			0.00	20	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO Nash Draw Site 3
Project Number: 16-0108-03
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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6G1407 - * DEFAULT PREP *** **										
Blank (P6G1407-BLK1)				Prepared & Analyzed: 07/15/16						
Chloride	ND	1.00	mg/kg wet							
LCS (P6G1407-BS1)				Prepared & Analyzed: 07/15/16						
Chloride	173	1.00	mg/kg wet	200		86.6	80-120			
LCS Dup (P6G1407-BSD1)				Prepared & Analyzed: 07/15/16						
Chloride	175	1.00	mg/kg wet	200		87.7	80-120	1.26	20	
Duplicate (P6G1407-DUP1)		**Source: 6F26007-04**		Prepared & Analyzed: 07/15/16						
Chloride	3840	58.8	mg/kg dry		3790			1.06	20	
Duplicate (P6G1407-DUP2)		**Source: 6G05005-65**		Prepared & Analyzed: 07/15/16						
Chloride	4690	26.9	mg/kg dry		4590			2.14	20	
Matrix Spike (P6G1407-MS1)		**Source: 6F26007-04**		Prepared & Analyzed: 07/15/16						
Chloride	13000	58.8	mg/kg dry	9410	3790	98.0	80-120			

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6F2906 - TX 1005										
Blank (P6F2906-BLK1)				Prepared & Analyzed: 06/26/16						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*85.5*		"	*100*		*85.5*	*70-130*			
Surrogate: o-Terphenyl	*45.4*		"	*50.0*		*90.8*	*70-130*			
LCS (P6F2906-BS1)				Prepared & Analyzed: 06/26/16						
C6-C12	933	25.0	mg/kg wet	1000		93.3	75-125			
>C12-C28	1050	25.0	"	1000		105	75-125			
Surrogate: 1-Chlorooctane	*106*		"	*100*		*106*	*70-130*			
Surrogate: o-Terphenyl	*54.7*		"	*50.0*		*109*	*70-130*			
LCS Dup (P6F2906-BSD1)				Prepared & Analyzed: 06/26/16						
C6-C12	969	25.0	mg/kg wet	1000		96.9	75-125	3.77	20	
>C12-C28	1120	25.0	"	1000		112	75-125	6.43	20	
Surrogate: 1-Chlorooctane	*122*		"	*100*		*122*	*70-130*			
Surrogate: o-Terphenyl	*52.0*		"	*50.0*		*104*	*70-130*			
Matrix Spike (P6F2906-MS1)	**Source: 6F26004-18**			Prepared: 06/26/16 Analyzed: 06/27/16						
C6-C12	957	26.0	mg/kg dry	1040	ND	91.9	75-125			
>C12-C28	1190	26.0	"	1040	25.6	111	75-125			
Surrogate: 1-Chlorooctane	*123*		"	*104*		*118*	*70-130*			
Surrogate: o-Terphenyl	*67.4*		"	*52.1*		*129*	*70-130*			
Matrix Spike Dup (P6F2906-MSD1)	**Source: 6F26004-18**			Prepared: 06/26/16 Analyzed: 06/27/16						
C6-C12	965	26.0	mg/kg dry	1040	ND	92.6	75-125	0.817	20	
>C12-C28	1180	26.0	"	1040	25.6	111	75-125	0.157	20	
Surrogate: 1-Chlorooctane	*126*		"	*104*		*121*	*70-130*			
Surrogate: o-Terphenyl	*67.4*		"	*52.1*		*129*	*70-130*			

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Project: XTO Nash Draw Site 3
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6G0602 - TX 1005										
Blank (P6G0602-BLK1)				Prepared & Analyzed: 07/01/16						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*86.4*		"	*100*		*86.4*	*70-130*			
Surrogate: o-Terphenyl	*48.3*		"	*50.0*		*96.6*	*70-130*			
LCS (P6G0602-BS1)				Prepared & Analyzed: 07/01/16						
C6-C12	817	25.0	mg/kg wet	1000		81.7	75-125			
>C12-C28	986	25.0	"	1000		98.6	75-125			
Surrogate: 1-Chlorooctane	*104*		"	*100*		*104*	*70-130*			
Surrogate: o-Terphenyl	*46.5*		"	*50.0*		*93.1*	*70-130*			
LCS Dup (P6G0602-BSD1)				Prepared & Analyzed: 07/01/16						
C6-C12	923	25.0	mg/kg wet	1000		92.3	75-125	12.2	20	
>C12-C28	1100	25.0	"	1000		110	75-125	10.7	20	
Surrogate: 1-Chlorooctane	*120*		"	*100*		*120*	*70-130*			
Surrogate: o-Terphenyl	*57.3*		"	*50.0*		*115*	*70-130*			
Batch P6G0704 - TX 1005										
Blank (P6G0704-BLK1)				Prepared: 07/01/16 Analyzed: 07/02/16						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*87.6*		"	*100*		*87.6*	*70-130*			
Surrogate: o-Terphenyl	*49.1*		"	*50.0*		*98.2*	*70-130*			

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6G0704 - TX 1005										
LCS (P6G0704-BS1)				Prepared: 07/01/16 Analyzed: 07/02/16						
C6-C12	957	25.0	mg/kg wet	1000		95.7	75-125			
>C12-C28	1150	25.0	"	1000		115	75-125			
Surrogate: 1-Chlorooctane	*118*		"	*100*		*118*	*70-130*			
Surrogate: o-Terphenyl	*53.4*		"	*50.0*		*107*	*70-130*			
LCS Dup (P6G0704-BSD1)				Prepared: 07/01/16 Analyzed: 07/02/16						
C6-C12	963	25.0	mg/kg wet	1000		96.3	75-125	0.642	20	
>C12-C28	1160	25.0	"	1000		116	75-125	0.479	20	
Surrogate: 1-Chlorooctane	*116*		"	*100*		*116*	*70-130*			
Surrogate: o-Terphenyl	*53.5*		"	*50.0*		*107*	*70-130*			
Matrix Spike (P6G0704-MS1)	**Source: 6F26009-25**			Prepared: 07/01/16 Analyzed: 07/05/16						
C6-C12	1080	28.4	mg/kg dry	1140	36.2	91.5	75-125			
>C12-C28	1780	28.4	"	1140	408	121	75-125			
Surrogate: 1-Chlorooctane	*157*		"	*136*		*115*	*70-130*			
Surrogate: o-Terphenyl	*80.9*		"	*68.2*		*119*	*70-130*			
Matrix Spike Dup (P6G0704-MSD1)	**Source: 6F26009-25**			Prepared: 07/01/16 Analyzed: 07/05/16						
C6-C12	1030	28.4	mg/kg dry	1140	36.2	87.8	75-125	4.14	20	
>C12-C28	1680	28.4	"	1140	408	112	75-125	7.73	20	
Surrogate: 1-Chlorooctane	*153*		"	*114*		*135*	*70-130*			*S-GC*
Surrogate: o-Terphenyl	*74.0*		"	*56.8*		*130*	*70-130*			
Batch P6G0705 - TX 1005										
Blank (P6G0705-BLK1)				Prepared & Analyzed: 07/01/16						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*101*		"	*100*		*101*	*70-130*			
Surrogate: o-Terphenyl	*52.7*		"	*50.0*		*105*	*70-130*			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO Nash Draw Site 3
Project Number: 16-0108-03
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6G0705 - TX 1005										
LCS (P6G0705-BS1)				Prepared & Analyzed: 07/01/16						
C6-C12	834	25.0	mg/kg wet	1000		83.4	75-125			
>C12-C28	965	25.0	"	1000		96.5	75-125			
Surrogate: 1-Chlorooctane	*119*		"	*100*		*119*	*70-130*			
Surrogate: o-Terphenyl	*44.6*		"	*50.0*		*89.2*	*70-130*			
LCS Dup (P6G0705-BSD1)				Prepared & Analyzed: 07/01/16						
C6-C12	890	25.0	mg/kg wet	1000		89.0	75-125	6.60	20	
>C12-C28	1010	25.0	"	1000		101	75-125	4.68	20	
Surrogate: 1-Chlorooctane	*110*		"	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*47.4*		"	*50.0*		*94.8*	*70-130*			
Duplicate (P6G0705-DUP1)	**Source: 6F26005-03**			Prepared: 07/01/16 Analyzed: 07/02/16						
C6-C12	32.4	30.5	mg/kg dry		47.3			37.2	20	
>C12-C28	386	30.5	"		271			35.1	20	
Surrogate: 1-Chlorooctane	*167*		"	*183*		*91.5*	*70-130*			
Surrogate: o-Terphenyl	*92.8*		"	*91.5*		*102*	*70-130*			
Batch P6G0707 - TX 1005										
Blank (P6G0707-BLK1)				Prepared: 07/01/16 Analyzed: 07/02/16						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*99.2*		"	*100*		*99.2*	*70-130*			
Surrogate: o-Terphenyl	*51.6*		"	*50.0*		*103*	*70-130*			
LCS (P6G0707-BS1)				Prepared: 07/01/16 Analyzed: 07/02/16						
C6-C12	920	25.0	mg/kg wet	1000		92.0	75-125			
>C12-C28	1070	25.0	"	1000		107	75-125			
Surrogate: 1-Chlorooctane	*117*		"	*100*		*117*	*70-130*			
Surrogate: o-Terphenyl	*49.1*		"	*50.0*		*98.2*	*70-130*			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO Nash Draw Site 3
Project Number: 16-0108-03
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6G0707 - TX 1005										
LCS Dup (P6G0707-BSD1)				Prepared: 07/01/16 Analyzed: 07/02/16						
C6-C12	945	25.0	mg/kg wet	1000		94.5	75-125	2.61	20	
>C12-C28	1100	25.0	"	1000		110	75-125	3.25	20	
Surrogate: 1-Chlorooctane	*131*		"	*100*		*131*	*70-130*			*S-GC*
Surrogate: o-Terphenyl	*57.8*		"	*50.0*		*116*	*70-130*			
Batch P6G1803 - TX 1005										
Blank (P6G1803-BLK1)				Prepared & Analyzed: 07/15/16						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*83.4*		"	*100*		*83.4*	*70-130*			
Surrogate: o-Terphenyl	*42.0*		"	*50.0*		*83.9*	*70-130*			
LCS (P6G1803-BS1)				Prepared & Analyzed: 07/15/16						
C6-C12	784	25.0	mg/kg wet	1000		78.4	75-125			
>C12-C28	909	25.0	"	1000		90.9	75-125			
Surrogate: 1-Chlorooctane	*105*		"	*100*		*105*	*70-130*			
Surrogate: o-Terphenyl	*38.1*		"	*50.0*		*76.2*	*70-130*			
LCS Dup (P6G1803-BSD1)				Prepared & Analyzed: 07/15/16						
C6-C12	794	25.0	mg/kg wet	1000		79.4	75-125	1.30	20	
>C12-C28	945	25.0	"	1000		94.5	75-125	3.84	20	
Surrogate: 1-Chlorooctane	*108*		"	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*39.0*		"	*50.0*		*77.9*	*70-130*			

Larson & Associates, Inc.	Project: XTO Nash Draw Site 3	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
O-04	This sample was analyzed outside the EPA recommended holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: _____ Date: 7/20/2016

Brent Barron, Laboratory Director/Technical Director

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 6.21.16 PAGE 1 OF 2
PO #: _____ LAB WORK ORDER #: 6F26004
PROJECT LOCATION OR NAME: XTO NASH DRAW SITE 3
LAI PROJECT #: 16-0108-03 COLLECTOR: TW / GF

Data Reported to:

TRRP report? ☐ Yes ☒ No
TIME ZONE: Time zone/State: MTN / NM
S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER
6F26004

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒ ORO 8015 ☒	DIESEL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	HCL'd	FIELD NOTES
DP-03-05 (0-1)	-01	6.21.16	9:20	S	1								X	X												X			
(1-2)	-02																										X		
(2-3)	-03																												
DP-03-04 (0-1)	-04		9:35										X	X												X			
(1-2)	-05																										X		
(2-3)	-06																												
DP-03-03 (0-1)	-07		9:45										X	X												X			
(1-2)	-08																										X		
(2-3)	-09																												
DP-03-02 (0-1)	-10		10:00										X	X												X			
(1-2)	-11																										X		
(2-3)	-12																												
(3-4)	-13																												
DP-03-01 (0-1)	-14		10:05										X	X												X			
(1-2)	-15																										X		
TOTAL																													

RELINQUISHED BY:(Signature) DATE/TIME 4:30 6/24/16 RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature) DATE/TIME 6/24/16 16:30 RECEIVED BY: (Signature) Marissa Martin

TURN AROUND TIME
NORMAL ☐
1 DAY ☐
2 DAY ☐
OTHER ☒
3 DAY

LABORATORY USE ONLY:
RECEIVING TEMP: 4.0 THERM #: _____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 6-21-16 PAGE 2 OF 2

PO #: _____ LAB WORK ORDER #: 6F26004

PROJECT LOCATION OR NAME: XTO WASH DRAW SITE 3

LAI PROJECT #: 16-0108-03 COLLECTOR: TW / GF

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MTN / NM

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

6F26004

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒ GRO	DIESEL - MOD 8015 ☒ DRO GRO	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	HOLD	FIELD NOTES
DP-03-01 (2-3)	-16	6-21-16	10:05	S	1								X	X												X			
1 (3-4)	-17	1	1	1	1																						X		
DP-03-BG (0-1)	-18		10:15										X	X												X			
TOTAL																													

RELINQUISHED BY:(Signature) _____ DATE/TIME 6/24/16 7:30 RECEIVED BY: (Signature) _____

RELINQUISHED BY:(Signature) _____ DATE/TIME _____ RECEIVED BY: (Signature) _____

RELINQUISHED BY:(Signature) _____ DATE/TIME 6/24/16 16:30 RECEIVED BY: (Signature) Marissa Martin

TURN AROUND TIME

NORMAL ☐
1 DAY ☐
2 DAY ☐
OTHER ☒
3 DAY

LABORATORY USE ONLY:

RECEIVING TEMP: 6.0 THERM #: _____

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

☐ CARRIER BILL # _____

☐ HAND DELIVERED

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: XTO Nash Draw Site #9
Project Number: 16-0108-03
Location: New Mexico

Lab Order Number: 6I30004

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704156-16-6

Report Date: 11/07/16

Larson & Associates, Inc.	Project: XTO Nash Draw Site #9	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP-03-01, 6'	6I30004-01	Soil	09/29/16 09:51	09-30-2016 08:30
DP-03-01, 10'	6I30004-03	Soil	09/29/16 10:05	09-30-2016 08:30
DP-03-01, 14'	6I30004-05	Soil	09/29/16 10:25	09-30-2016 08:30
DP03-02, 6'	6I30004-06	Soil	09/29/16 10:34	09-30-2016 08:30
DP-03-02, 7'	6I30004-07	Soil	09/29/16 10:45	09-30-2016 08:30
DP-03-05, 4'	6I30004-08	Soil	09/29/16 10:55	09-30-2016 08:30
DP-03-05, 6'	6I30004-09	Soil	09/29/16 11:00	09-30-2016 08:30
DP-03-05, 9'	6I30004-11	Soil	09/29/16 11:18	09-30-2016 08:30

DP-03-01, 6'

6I30004-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	**14.0**	0.1	%	1	P6J0304	10/03/16	10/03/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.1	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C12-C28	**80.0**	29.1	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*84.6 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*86.5 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**80.0**	29.1	mg/kg dry	1	[CALC]	09/30/16	10/04/16	calc	

Larson & Associates, Inc.	Project: XTO Nash Draw Site #9	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

DP-03-01, 10'

6I30004-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	**9.0**	0.1	%	1	P6J0304	10/03/16	10/03/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C12-C28	**137**	27.5	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C28-C35	**41.5**	27.5	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*97.4 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**179**	27.5	mg/kg dry	1	[CALC]	09/30/16	10/04/16	calc	

DP-03-01, 14'

6I30004-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	**8.0**	0.1	%	1	P6J0304	10/03/16	10/03/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C12-C28	**68.8**	27.2	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**68.8**	27.2	mg/kg dry	1	[CALC]	09/30/16	10/04/16	calc	

Larson & Associates, Inc.	Project: XTO Nash Draw Site #9	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

DP03-02, 6'

6I30004-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1110**	31.2	mg/kg dry	25	P6J0305	10/03/16	10/03/16	EPA 300.0	
% Moisture	**20.0**	0.1	%	1	P6J0304	10/03/16	10/03/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**381**	31.2	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C12-C28	**5620**	31.2	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C28-C35	**776**	31.2	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*109 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**6770**	31.2	mg/kg dry	1	[CALC]	09/30/16	10/04/16	calc	

Larson & Associates, Inc.	Project: XTO Nash Draw Site #9	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

DP-03-02, 7'

6I30004-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**760**	28.4	mg/kg dry	25	P6J0306	10/03/16	10/03/16	EPA 300.0	
% Moisture	**12.0**	0.1	%	1	P6J0304	10/03/16	10/03/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**160**	28.4	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C12-C28	**1790**	28.4	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C28-C35	**320**	28.4	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*112 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*121 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**2270**	28.4	mg/kg dry	1	[CALC]	09/30/16	10/04/16	calc	

DP-03-05, 4'

6130004-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**152**	28.7	mg/kg dry	25	P6J0306	10/03/16	10/03/16	EPA 300.0	
% Moisture	**13.0**	0.1	%	1	P6J0304	10/03/16	10/03/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.7	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C12-C28	**71.7**	28.7	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**71.7**	28.7	mg/kg dry	1	[CALC]	09/30/16	10/04/16	calc	

Larson & Associates, Inc.	Project: XTO Nash Draw Site #9	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

DP-03-05, 6'

6130004-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**755**	5.81	mg/kg dry	5	P6J0306	10/03/16	10/03/16	EPA 300.0	
% Moisture	**14.0**	0.1	%	1	P6J0304	10/03/16	10/03/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.1	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	09/30/16	10/04/16	calc	

DP-03-05, 9'

6I30004-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**494**	11.0	mg/kg dry	10	P6J0306	10/03/16	10/03/16	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P6J0304	10/03/16	10/03/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C12-C28	**66.8**	27.5	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P6J0403	09/30/16	10/04/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P6J0403*	*09/30/16*	*10/04/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**66.8**	27.5	mg/kg dry	1	[CALC]	09/30/16	10/04/16	calc	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO Nash Draw Site #9
Project Number: 16-0108-03
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6J0304 - * DEFAULT PREP *** **										
Blank (P6J0304-BLK1)				Prepared & Analyzed: 10/03/16						
% Moisture	ND	0.1	%							
Duplicate (P6J0304-DUP1)		Source: 6I30004-04		Prepared & Analyzed: 10/03/16						
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P6J0304-DUP2)		Source: 6I30006-03		Prepared & Analyzed: 10/03/16						
% Moisture	16.0	0.1	%		17.0			6.06	20	
Batch P6J0305 - * DEFAULT PREP *** **										
Blank (P6J0305-BLK1)				Prepared & Analyzed: 10/03/16						
Chloride	ND	1.00	mg/kg wet							
LCS (P6J0305-BS1)				Prepared & Analyzed: 10/03/16						
Chloride	411	1.00	mg/kg wet	400		103	80-120			
LCS Dup (P6J0305-BSD1)				Prepared & Analyzed: 10/03/16						
Chloride	411	1.00	mg/kg wet	400		103	80-120	0.0341	20	
Duplicate (P6J0305-DUP1)		Source: 6J02004-01		Prepared & Analyzed: 10/03/16						
Chloride	ND	1.01	mg/kg dry		ND				20	
Duplicate (P6J0305-DUP2)		Source: 6I30003-07		Prepared & Analyzed: 10/03/16						
Chloride	15000	58.1	mg/kg dry		15000			0.104	20	
Matrix Spike (P6J0305-MS1)		Source: 6J02004-01		Prepared & Analyzed: 10/03/16						
Chloride	961	1.01	mg/kg dry	1010	ND	95.1	80-120			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: XTO Nash Draw Site #9
Project Number: 16-0108-03
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6J0306 - * DEFAULT PREP *** **										
Blank (P6J0306-BLK1)				Prepared & Analyzed: 10/03/16						
Chloride	ND	1.00	mg/kg wet							
LCS (P6J0306-BS1)				Prepared & Analyzed: 10/03/16						
Chloride	421	1.00	mg/kg wet	400		105	80-120			
LCS Dup (P6J0306-BSD1)				Prepared & Analyzed: 10/03/16						
Chloride	425	1.00	mg/kg wet	400		106	80-120	0.887	20	
Duplicate (P6J0306-DUP1)		**Source: 6I29006-28**		Prepared & Analyzed: 10/03/16						
Chloride	2050	10.5	mg/kg dry		1990			2.93	20	
Duplicate (P6J0306-DUP2)		**Source: 6I30005-05**		Prepared: 10/03/16 Analyzed: 10/04/16						
Chloride	2610	52.1	mg/kg dry		2590			1.10	20	
Matrix Spike (P6J0306-MS1)		**Source: 6I29006-28**		Prepared & Analyzed: 10/03/16						
Chloride	2630	10.5	mg/kg dry	789	1990	80.5	80-120			

Larson & Associates, Inc.	Project: XTO Nash Draw Site #9	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6J0403 - TX 1005										
Blank (P6J0403-BLK1)				Prepared: 09/30/16 Analyzed: 10/04/16						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*137*		"	*150*		*91.0*	*70-130*			
Surrogate: o-Terphenyl	*71.5*		"	*75.0*		*95.4*	*70-130*			
LCS (P6J0403-BS1)				Prepared: 09/30/16 Analyzed: 10/04/16						
C6-C12	1050	25.0	mg/kg wet	1000		105	75-125			
>C12-C28	1050	25.0	"	1000		105	75-125			
Surrogate: 1-Chlorooctane	*155*		"	*150*		*104*	*70-130*			
Surrogate: o-Terphenyl	*72.4*		"	*75.0*		*96.6*	*70-130*			
LCS Dup (P6J0403-BSD1)				Prepared: 09/30/16 Analyzed: 10/04/16						
C6-C12	1100	25.0	mg/kg wet	1000		110	75-125	4.31	20	
>C12-C28	1120	25.0	"	1000		112	75-125	5.67	20	
Surrogate: 1-Chlorooctane	*165*		"	*150*		*110*	*70-130*			
Surrogate: o-Terphenyl	*77.0*		"	*75.0*		*103*	*70-130*			

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: _____ Date: 11/7/2016

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

C0130004

CH

Larson & Associates, Inc.
Environmental Consultants
Data Reported to: Mark Larson

507 N. Marienfeld, Ste. 205
Midland, TX 79701
432-687-0901

DATE: 9-30-2016 PAGE 1 OF 1
PO #: LAB WORK ORDER #:
PROJECT LOCATION OR NAME: XTO Nash Draw Bty #9
LAI PROJECT #: 16-0109-03 COLLECTOR: JM

TRRP report? ☐ Yes ☒ No
TIME ZONE: Time zone/State: Mtn/NM
S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

	Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO3	H2SO4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ SemiVOC ☐	TOTAL METALS (RCRA) ☐ OTHER UST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RQI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	300	8015	FIELD NOTES
1	DP-01, 6'		9-29-16	09:51	S	1				X			✓	✓																		
2	DP-01, 8'			09:57		1																								✓		
3	DP-01, 10'			10:05		1							✓	✓																		
4	DP-01, 12'			10:15		1																								✓		
5	DP-01, 14'			10:25		1							✓	✓																		
6	DP-02, 6'			10:34		1							✓	✓															✓			
7	DP-02, 7'			10:45		1							✓	✓															✓			
8	DP-05, 4'			10:55		1							✓	✓															✓			
9	DP-05, 6'			11:00		1							✓	✓															✓			
10	DP-05, 8'			11:08		1																								✓		
11	DP-05, 9'		↓	11:18	↓	1				↓			✓	✓															✓			
	TOTAL																															

RELINQUISHED BY:(Signature) David Mooney DATE/TIME 9/30/2016/08:30 RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature) DATE/TIME 9-30-16 8:30 RECEIVED BY: (Signature)
PBE Lab

TURN AROUND TIME
NORMAL ☑
1 DAY ☐
2 DAY ☑
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 2.0 THERM #:
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Nash Draw Battery #9
Project Number: 16-0108-03
Location: New Mexico

Lab Order Number: 6J20017

NELAP/TCEQ # T104704156-16-6

Report Date: 10/26/16

Larson & Associates, Inc.	Project: Nash Draw Battery #9	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP-03-02,10'	6J20017-01	Soil	10/19/16 12:48	10-20-2016 09:32
DP-03-02,15'	6J20017-02	Soil	10/19/16 12:51	10-20-2016 09:32

Larson & Associates, Inc.	Project: Nash Draw Battery #9	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

DP-03-02,10'

6J20017-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**60.2**	10.6	mg/kg dry	10	P6J2503	10/25/16	10/26/16	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P6J2403	10/24/16	10/24/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P6J2409	10/21/16	10/21/16	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P6J2409	10/21/16	10/21/16	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P6J2409	10/21/16	10/21/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*114 %*	*70-130*		*P6J2409*	*10/21/16*	*10/21/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*115 %*	*70-130*		*P6J2409*	*10/21/16*	*10/21/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	10/21/16	10/21/16	calc	

Larson & Associates, Inc.	Project: Nash Draw Battery #9	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

DP-03-02,15'

6J20017-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**158**	1.05	mg/kg dry	1	P6J2503	10/25/16	10/26/16	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P6J2403	10/24/16	10/24/16	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P6J2409	10/21/16	10/21/16	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P6J2409	10/21/16	10/21/16	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P6J2409	10/21/16	10/21/16	TPH 8015M	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		*P6J2409*	*10/21/16*	*10/21/16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P6J2409*	*10/21/16*	*10/21/16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	10/21/16	10/21/16	calc	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Nash Draw Battery #9
Project Number: 16-0108-03
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6J2403 - * DEFAULT PREP *** **										
Blank (P6J2403-BLK1)				Prepared & Analyzed: 10/24/16						
% Moisture	ND	0.1	%							
Duplicate (P6J2403-DUP2)		Source: 6J20010-27		Prepared & Analyzed: 10/24/16						
% Moisture	16.0	0.1	%		15.0			6.45	20	
Duplicate (P6J2403-DUP3)		Source: 6J20011-27		Prepared & Analyzed: 10/24/16						
% Moisture	16.0	0.1	%		16.0			0.00	20	
Batch P6J2503 - * DEFAULT PREP *** **										
Blank (P6J2503-BLK1)				Prepared & Analyzed: 10/25/16						
Chloride	ND	1.00	mg/kg wet							
LCS (P6J2503-BS1)				Prepared & Analyzed: 10/25/16						
Chloride	368	1.00	mg/kg wet	400		91.9	80-120			
LCS Dup (P6J2503-BSD1)				Prepared & Analyzed: 10/25/16						
Chloride	376	1.00	mg/kg wet	400		94.0	80-120	2.21	20	
Duplicate (P6J2503-DUP1)		Source: 6J20019-BF		Prepared & Analyzed: 10/25/16						
Chloride	942	26.9	mg/kg dry		947			0.541	20	
Duplicate (P6J2503-DUP2)		Source: 6J20019-BP		Prepared: 10/25/16 Analyzed: 10/26/16						
Chloride	1030	27.5	mg/kg dry		1040			0.318	20	
Matrix Spike (P6J2503-MS1)		Source: 6J20019-BF		Prepared & Analyzed: 10/25/16						
Chloride	13800	26.9	mg/kg dry	10800	947	119	80-120			

Larson & Associates, Inc.	Project: Nash Draw Battery #9	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6J2409 - TX 1005										
Blank (P6J2409-BLK1)				Prepared & Analyzed: 10/21/16						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*120*		"	*100*		*120*	*70-130*			
Surrogate: o-Terphenyl	*62.8*		"	*50.0*		*126*	*70-130*			
LCS (P6J2409-BS1)				Prepared & Analyzed: 10/21/16						
C6-C12	947	25.0	mg/kg wet	1000		94.7	75-125			
>C12-C28	968	25.0	"	1000		96.8	75-125			
Surrogate: 1-Chlorooctane	*128*		"	*100*		*128*	*70-130*			
Surrogate: o-Terphenyl	*59.6*		"	*50.0*		*119*	*70-130*			
LCS Dup (P6J2409-BSD1)				Prepared & Analyzed: 10/21/16						
C6-C12	968	25.0	mg/kg wet	1000		96.8	75-125	2.29	20	
>C12-C28	972	25.0	"	1000		97.2	75-125	0.395	20	
Surrogate: 1-Chlorooctane	*118*		"	*100*		*118*	*70-130*			
Surrogate: o-Terphenyl	*58.5*		"	*50.0*		*117*	*70-130*			
Duplicate (P6J2409-DUP1)	**Source: 6J20010-11**			Prepared: 10/21/16 Analyzed: 10/22/16						
C6-C12	ND	29.4	mg/kg dry		ND				20	
>C12-C28	ND	29.4	"		ND				20	
Surrogate: 1-Chlorooctane	*126*		"	*118*		*107*	*70-130*			
Surrogate: o-Terphenyl	*63.7*		"	*58.8*		*108*	*70-130*			

Larson & Associates, Inc.	Project: Nash Draw Battery #9	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0108-03	
Midland TX, 79710	Project Manager: Mark Larson	

Notes and Definitions

BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: _____ Date: 10/26/2016

Brent Barron, Laboratory Director/Technical Director

Ces 20017

CH

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 10-20-2016 PAGE 1 OF 1

PO #: _____ LAB WORK ORDER #: _____

PROJECT LOCATION OR NAME: Noah Phan Battery

LAI PROJECT #: 16-0109-03 COLLECTOR: MC

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: Mtn/NM

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☐ | DIESEL - MOD 8015 ☐ | ~~VOC 8260~~ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ DW 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐ | 8015 Mod | FIELD NOTES

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
BP-03-02, 0'		10/19/16	12:46	S	1				✓		✓ ✓ ✓	
BP-03-02, 15'		"	12:51	S	1				✓		✓ ✓ ✓	
BP-03-02, 20'		"	12:56	S	1				✓		✓	
TOTAL												

RELINQUISHED BY:(Signature) DATE/TIME 10/20/2016 09:32 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME 10-20-16 9:32 RECEIVED BY: (Signature)

Pate Lab

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: -3.0 THERM #: _____
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

APPENDIX B

Initial C-141

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 07 2016

RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1625332986

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: XTO Energy, Inc.	Contact: Dudley McMinn
Address: 500 W. Illinois Ave., Suite 100, Midland, TX 70701	Telephone No.: (432) 682-8873
Facility Name: Nash Draw Unit Battery #9	Facility Type: Tank Battery (Equipment Removed)

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-26991

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: Eddy
B	13	23S	29E	860	North	2210	East	

Latitude 32.309722 Longitude -103.936944

NATURE OF RELEASE

Type of Release: Crude Oil/Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Spills	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 07-20-2016
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.* Hydrocarbons and chloride in soil due to historic use of tank battery reported in soil samples by laboratory following removal of tanks and equipment. Will remediate to OCD and BLM requirements.

Describe Area Affected and Cleanup Action Taken.*
Affected soil to be excavated, treated onsite treatment or disposed offsite at OCD approved facility. Refer to attached analytical data summary.

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:

Printed Name: Luke Williams

Title: EH&S Coordinator

E-mail Address: Luke_Williams@xtoenergy.com

Date: 09-07-2016 Phone: (432) 683-8873

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 9/8/16 Expiration Date: N/A

Conditions of Approval: Attached ☐
Remediation per O.C.D. Rules & Guidelines
SUBMIT REMEDIATION PROPOSAL NO
LATER THAN: 10/9/16

2RP-3876

* Attach Additional Sheets If Necessary