State of New Mexico
Oil Conservation Division

Incident ID	nRM2012560155
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Karolanne Hudgens Title: HSE Remediation Specialist II

Signature: [signature] Date: 6/24/2022

email: khudgens@paalp.com Telephone: 575.200.5517

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 06/28/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

12600 WEST CO RD 91
MIDLAND, TX 79707
OFFICE: 432.653.4203

June 24, 2022

Ms. Jennifer Nobui, P.G.
Environmental Science & Specialist
New Mexico Energy, Mineral and Natural Resources Department
Oil Conservation Division
5200 Oakland Avenue
N.E. Suite 100
Albuquerque, NM 87113

Re: **Requested Additional Delineation Soil Sampling**
Matador Florence St. 23 @ 202H
Unit Letter N, Section 23, Township 23S, Range 34E
GPS: 32.284333, -103443128
Lea County, New Mexico
NMOCD Incident # NRM2012560155

Ms. Nobui,

Plains Marketing, L.P. (Plains) has completed the additional delineation sampling as requested in an email dated November 15, 2021, in reference to the *Remediation and Closure Report,* previously submitted by Talon LPE dated October 7, 2021. In addition, updated site maps that indicate current conditions at the site and a more recent (<25

years old) well log have also been included per the request detailed in the denied deferral request dated May 17, 2022.

As requested by the NMOCD, additional sampling was necessary for the sample locations collected by Talon LPE (W-SW-2 and E-SW-2) to confirm delineation. Dean Companies, Inc (Dean) mobilized to the site, on January 31, 2022, to excavate and collect two additional soil samples in the two areas of concern, (WSW and ESW). Utilizing a backhoe, the two areas were excavated to a depth of approximately 2.5 feet below ground surface (bgs) and samples were collected at that depth and submitted to Permian Basin Environmental Laboratory (PBELAB) of Midland, Texas for analysis of BTEX utilizing EPA method 8021B, chlorides utilizing EPA method E 300 and TPH utilizing EPA method 8015M. Analytical results for the two samples were below method detection limits (MDL) for both BTEX and TPH with chlorides ranging from 15.1 milligrams per kilogram (mg/Kg) in soil sample ESW @ 2.5 ft to 147 mg/Kg for soil sample WSW @ 2.5 ft. See attached Table 1 along with lab analysis. With completion of the delineation, Plains respectfully requests the NMOCD consider incident # NRM20212560155 for closure.

If you have any questions, or if additional information is needed, please feel free to contact Elizabeth Stuart (email: elizabethstuart@deandigs.com, cell: 432.653.4203) or Jennifer Perez (email: jenniferperez@deandigs.com, cell: 432.664.3166).

Sincerely,

Elizabeth Stuart
Project Manager

Jennifer Perez, PG.
Professional Geologist

Chemistry Table 1 - Confirmation Soil Samples

Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil

Plains Marketing, L.P.

Matador Florence St-23 Release

Lea County, NM

SAMPLE INFORMATION					METHODS: EPA SW 846-8021B, 5030					METHOD: E 300	METHODS: EPA SW 846-8015M				
SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH	SAMPLE METHOD	MATRIX	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	XYLENE (mg/kg)	Total BTEX (mg/kg)	CHLORIDES (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO +DRO (mg/kg)	ORO (mg/kg)	TOTAL TPH (mg/kg)
WSW @ 2.5 ft	01/31/22	2.5 ft	COMP	SOIL	<0.00109	<0.00109	<0.00109	<0.00217	<0.00109	147	<27.2	<27.2	<27.2	<27.2	<27.2
ESW @ 2.5 ft	01/31/22	2.5 ft	COMP	SOIL	<0.00109	<0.00109	<0.00109	<0.00217	<0.00109	15.1	<27.2	<27.2	<27.2	<27.2	<27.2
NMOCD Recommended Remediation Action Level					10	-	-	-	**50**	**20,000**	-	-	**1,000**	-	**2,500**

Exceeds NMOCD Recommended RAL

Site Map

Plains Marketing, LP
Matador Florence 23 #202H
Unit Letter N, T23S, R34E
GPS: 32.284333, -103.443128
Lea County, New Mexico

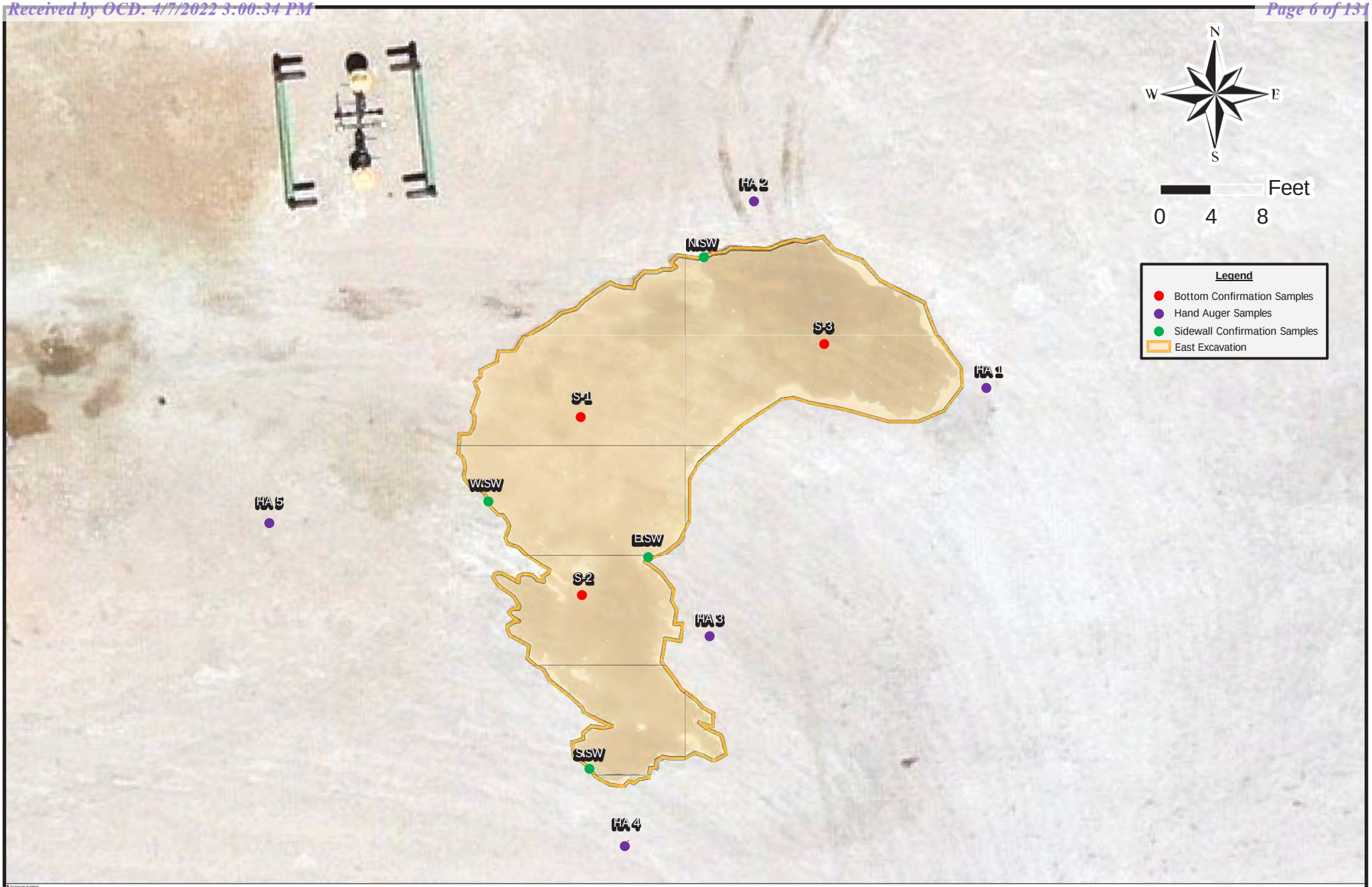
DEAN

1:282

0 0 0.01 0.01 m
0 0 0.01 0.02 km

Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, U.S. Department of Energy Office of Legacy Management

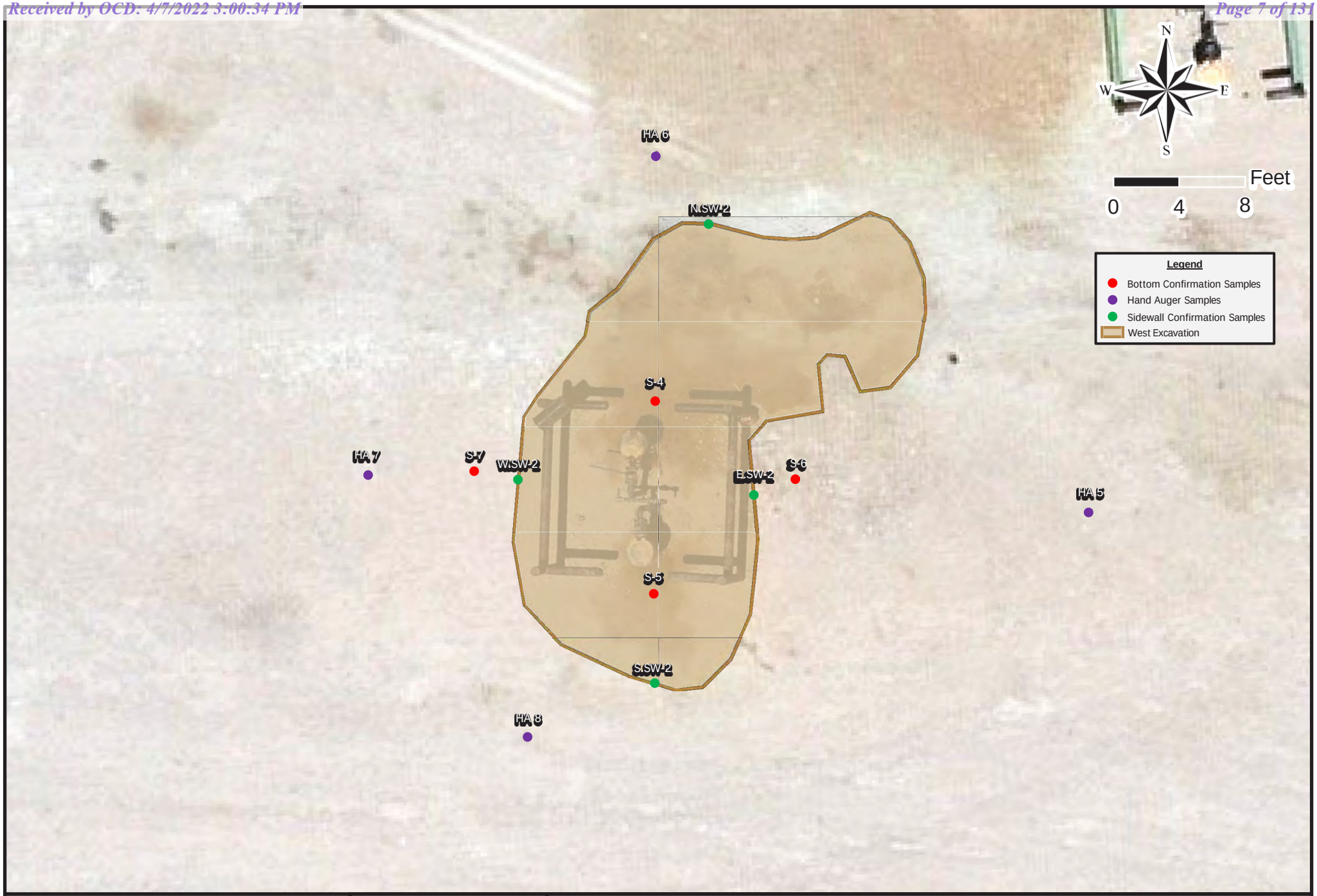
Unofficial Online Map
These maps are distributed "as is" without warranty of any kind.



TALON LPE

Drafted: 10/7/2021
1 in = 10 ft
Drafted By: IJM

Matador Florence 23 #202H
Plains Marketing, L.P.
Unit Letter N. T23S, R34E, Lea County, NM
32.284333, -103.443128
Site Map



TALON LPE

Drafted: 10/6/2021
1 in = 8 ft
Drafted By: IJM

Matador Florence 23 #202H
Plains Marketing, L.P.
Unit Letter N. T23S, R34E, Lea County, NM
32.284333, -103.443128
Site Map

Plains Pipeline Site: Matador Florence ST-23 #202H
Date: January 31, 2022

Direction: North

Direction: North

Plains Pipeline Site: Matador Florence ST-23 #202H
Date: January 31, 2022

Direction: Northwest

Direction: Northeast

Plains Pipeline Site: Matador Florence ST-23 #202H
Date: January 31, 2022

Direction: North

Direction: Northeast

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
NA	CP 01120 POD1	2	3	3	14	23S	34E	646366	3574753

Driller License: 1292 **Driller Company:** BENTLE WATER WELL SERVICE
Driller Name: BENTLE, BILLY L.

Drill Start Date: 01/09/2013 **Drill Finish Date:** 04/06/2013 **Plug Date:**
Log File Date: 04/24/2013 **PCW Rcv Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:**
Casing Size: 6.13 **Depth Well:** 397 feet **Depth Water:** 318 feet

Water Bearing Stratifications:

Top	Bottom	Description
0	20	Other/Unknown
43	397	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
1	20
20	277
277	397

Meter Number: 18968 **Meter Make:** SEAMETRICS
Meter Serial Number: 042018001190 **Meter Multiplier:** 1.0000
Number of Dials: 8 **Meter Type:** Diversion
Unit of Measure: Barrels 42 gal. **Return Flow Percent:**
Usage Multiplier: **Reading Frequency:** Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
10/10/2020	2020	2320407	A	RPT	initial reading	0	
11/06/2020	2020	2504095	A	RPT		23.676	
12/15/2020	2020	2504095	A	RPT		0	
01/07/2021	2020	2830778	A	RPT		42.107	
02/05/2021	2021	3030795	A	RPT		25.781	
11/04/2021	2021	4547922	A	ad		195.547	

****YTD Meter Amounts:**

Year	Amount
2020	65.783
2021	221.328

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

PBELAB

Analytical Report

Prepared for:

Jeff Kindley

Dean

12600 W County Rd 91

Midland, TX 79707

Project: Matador Florence St.-23 #202H

Project Number: PP-22018

Location: Lea County, NM

Lab Order Number: 2A31010

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 02/01/22

Dean	Project: Matador Florence St.-23 #202H
12600 W County Rd 91	Project Number: PP-22018
Midland TX, 79707	Project Manager: Jeff Kindley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W.SW @ 2.5'	2A31010-01	Soil	01/31/22 09:30	01-31-2022 14:50
E.SW @ 2.5'	2A31010-02	Soil	01/31/22 10:00	01-31-2022 14:50

Dean	Project: Matador Florence St.-23 #202H
12600 W County Rd 91	Project Number: PP-22018
Midland TX, 79707	Project Manager: Jeff Kindley

W.SW @ 2.5'

2A31010-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P2A3109	01/31/22 15:34	01/31/22 18:19	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2A3109	01/31/22 15:34	01/31/22 18:19	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2A3109	01/31/22 15:34	01/31/22 18:19	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2A3109	01/31/22 15:34	01/31/22 18:19	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2A3109	01/31/22 15:34	01/31/22 18:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.5 %*	*80-120*		*P2A3109*	*01/31/22 15:34*	*01/31/22 18:19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.9 %*	*80-120*		*P2A3109*	*01/31/22 15:34*	*01/31/22 18:19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**147**	1.09	mg/kg dry	1	P2A3108	01/31/22 15:00	02/01/22 00:29	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P2B0101	02/01/22 10:46	02/01/22 10:48	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P2A3107	01/31/22 15:00	02/01/22 08:37	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2A3107	01/31/22 15:00	02/01/22 08:37	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2A3107	01/31/22 15:00	02/01/22 08:37	TPH 8015M	
Surrogate: 1-Chlorooctane		*121 %*	*70-130*		*P2A3107*	*01/31/22 15:00*	*02/01/22 08:37*	*TPH 8015M*	
Surrogate: o-Terphenyl		*132 %*	*70-130*		*P2A3107*	*01/31/22 15:00*	*02/01/22 08:37*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	01/31/22 15:00	02/01/22 08:37	calc	

Dean	Project: Matador Florence St.-23 #202H
12600 W County Rd 91	Project Number: PP-22018
Midland TX, 79707	Project Manager: Jeff Kindley

E.SW @ 2.5'

2A31010-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P2A3109	01/31/22 15:34	01/31/22 18:39	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2A3109	01/31/22 15:34	01/31/22 18:39	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2A3109	01/31/22 15:34	01/31/22 18:39	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2A3109	01/31/22 15:34	01/31/22 18:39	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2A3109	01/31/22 15:34	01/31/22 18:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.4 %*	*80-120*		*P2A3109*	*01/31/22 15:34*	*01/31/22 18:39*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.7 %*	*80-120*		*P2A3109*	*01/31/22 15:34*	*01/31/22 18:39*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**15.1**	1.09	mg/kg dry	1	P2A3108	01/31/22 15:00	02/01/22 00:44	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P2B0101	02/01/22 10:46	02/01/22 10:48	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P2A3107	01/31/22 15:00	02/01/22 08:58	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2A3107	01/31/22 15:00	02/01/22 08:58	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2A3107	01/31/22 15:00	02/01/22 08:58	TPH 8015M	
Surrogate: 1-Chlorooctane		*123 %*	*70-130*		*P2A3107*	*01/31/22 15:00*	*02/01/22 08:58*	*TPH 8015M*	
Surrogate: o-Terphenyl		*134 %*	*70-130*		*P2A3107*	*01/31/22 15:00*	*02/01/22 08:58*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	01/31/22 15:00	02/01/22 08:58	calc	

Dean	Project: Matador Florence St.-23 #202H
12600 W County Rd 91	Project Number: PP-22018
Midland TX, 79707	Project Manager: Jeff Kindley

BTEX by 8021B - 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 P2A3109 - * DEFAULT PREP *** **										
Blank (P2A3109-BLK1)				Prepared & Analyzed: 01/31/22						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.107*		*"*	*0.120*		*89.3*	*80-120*			
LCS (P2A3109-BS1)				Prepared & Analyzed: 01/31/22						
Benzene	0.0894	0.00100	mg/kg wet	0.100		89.4	70-130			
Toluene	0.0883	0.00100	"	0.100		88.3	70-130			
Ethylbenzene	0.0930	0.00100	"	0.100		93.0	70-130			
Xylene (p/m)	0.187	0.00200	"	0.200		93.6	70-130			
Xylene (o)	0.0859	0.00100	"	0.100		85.9	70-130			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
LCS Dup (P2A3109-BSD1)				Prepared & Analyzed: 01/31/22						
Benzene	0.102	0.00100	mg/kg wet	0.100		102	70-130	13.1	20	
Toluene	0.100	0.00100	"	0.100		100	70-130	12.6	20	
Ethylbenzene	0.106	0.00100	"	0.100		106	70-130	13.0	20	
Xylene (p/m)	0.212	0.00200	"	0.200		106	70-130	12.2	20	
Xylene (o)	0.0967	0.00100	"	0.100		96.7	70-130	11.8	20	
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Calibration Blank (P2A3109-CCB1)				Prepared & Analyzed: 01/31/22						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.2*	*80-120*			

Dean	Project: Matador Florence St.-23 #202H
12600 W County Rd 91	Project Number: PP-22018
Midland TX, 79707	Project Manager: Jeff Kindley

BTEX by 8021B - 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 P2A3109 - * DEFAULT PREP *** **										
Calibration Blank (P2A3109-CCB2)				Prepared & Analyzed: 01/31/22						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.120		"							
Xylene (p/m)	0.430		"							
Xylene (o)	0.140		"							
Surrogate: 4-Bromofluorobenzene	*0.106*		"	*0.120*		*88.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.5*	*80-120*			
Calibration Check (P2A3109-CCV1)				Prepared & Analyzed: 01/31/22						
Benzene	0.0967	0.00100	mg/kg wet	0.100		96.7	80-120			
Toluene	0.0956	0.00100	"	0.100		95.6	80-120			
Ethylbenzene	0.0943	0.00100	"	0.100		94.3	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0929	0.00100	"	0.100		92.9	80-120			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*99.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.2*	*75-125*			
Calibration Check (P2A3109-CCV2)				Prepared & Analyzed: 01/31/22						
Benzene	0.110	0.00100	mg/kg wet	0.100		110	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		111	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.120*		*100*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*102*	*75-125*			
Matrix Spike (P2A3109-MS1)		**Source: 2A31010-01**		Prepared & Analyzed: 01/31/22						
Benzene	0.0967	0.00109	mg/kg dry	0.109	ND	88.9	80-120			
Toluene	0.0911	0.00109	"	0.109	ND	83.8	80-120			
Ethylbenzene	0.0919	0.00109	"	0.109	ND	84.5	80-120			
Xylene (p/m)	0.182	0.00217	"	0.217	ND	83.5	80-120			
Xylene (o)	0.0838	0.00109	"	0.109	ND	77.1	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	*0.135*		"	*0.130*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.136*		"	*0.130*		*104*	*80-120*			

Dean	Project: Matador Florence St.-23 #202H
12600 W County Rd 91	Project Number: PP-22018
Midland TX, 79707	Project Manager: Jeff Kindley

BTEX by 8021B - 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 P2A3109 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2A3109-MSD1)		**Source: 2A31010-01**		Prepared & Analyzed: 01/31/22						
Benzene	0.0976	0.00109	mg/kg dry	0.109	ND	89.8	80-120	0.929	20	
Toluene	0.0925	0.00109	"	0.109	ND	85.1	80-120	1.49	20	
Ethylbenzene	0.0935	0.00109	"	0.109	ND	86.0	80-120	1.69	20	
Xylene (p/m)	0.184	0.00217	"	0.217	ND	84.8	80-120	1.53	20	
Xylene (o)	0.0837	0.00109	"	0.109	ND	77.0	80-120	0.0908	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.134*		*"*	*0.130*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.133*		*"*	*0.130*		*102*	*80-120*			

Dean	Project: Matador Florence St.-23 #202H
12600 W County Rd 91	Project Number: PP-22018
Midland TX, 79707	Project Manager: Jeff Kindley

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 P2A3108 - * DEFAULT PREP *** **										
Blank (P2A3108-BLK1)				Prepared & Analyzed: 01/31/22						
Chloride	ND	1.00	mg/kg wet							
LCS (P2A3108-BS1)				Prepared & Analyzed: 01/31/22						
Chloride	41.8		mg/kg	40.0		104	90-110			
LCS Dup (P2A3108-BSD1)				Prepared & Analyzed: 01/31/22						
Chloride	43.8		mg/kg	40.0		109	90-110	4.72	10	
Calibration Blank (P2A3108-CCB1)				Prepared & Analyzed: 01/31/22						
Chloride	0.270		mg/kg wet							
Calibration Blank (P2A3108-CCB2)				Prepared & Analyzed: 01/31/22						
Chloride	0.297		mg/kg wet							
Calibration Check (P2A3108-CCV1)				Prepared & Analyzed: 01/31/22						
Chloride	21.4		mg/kg	20.0		107	90-110			
Calibration Check (P2A3108-CCV2)				Prepared & Analyzed: 01/31/22						
Chloride	21.0		mg/kg	20.0		105	90-110			
Calibration Check (P2A3108-CCV3)				Prepared: 01/31/22 Analyzed: 02/01/22						
Chloride	21.3		mg/kg	20.0		106	90-110			
Matrix Spike (P2A3108-MS1)		**Source: 2A28001-02**		Prepared & Analyzed: 01/31/22						
Chloride	3170	10.6	mg/kg dry	532	2470	131	80-120			QM-05
Matrix Spike (P2A3108-MS2)		**Source: 2A31008-02**		Prepared & Analyzed: 01/31/22						
Chloride	5540	11.8	mg/kg dry	588	4660	150	80-120			QM-05

Dean	Project: Matador Florence St.-23 #202H
12600 W County Rd 91	Project Number: PP-22018
Midland TX, 79707	Project Manager: Jeff Kindley

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 P2A3108 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2A3108-MSD1)	**Source: 2A28001-02**			Prepared & Analyzed: 01/31/22						
Chloride	3050	10.6	mg/kg dry	532	2470	109	80-120	3.84	20	
Matrix Spike Dup (P2A3108-MSD2)	**Source: 2A31008-02**			Prepared & Analyzed: 01/31/22						
Chloride	5500	11.8	mg/kg dry	588	4660	143	80-120	0.646	20	QM-05
Batch P2B0101 - * DEFAULT PREP *** **										
Blank (P2B0101-BLK1)				Prepared & Analyzed: 02/01/22						
% Moisture	ND	0.1	%							
Duplicate (P2B0101-DUP1)	**Source: 2A31007-03**			Prepared & Analyzed: 02/01/22						
% Moisture	5.0	0.1	%		5.0			0.00	20	

Dean	Project: Matador Florence St.-23 #202H
12600 W County Rd 91	Project Number: PP-22018
Midland TX, 79707	Project Manager: Jeff Kindley

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 P2A3107 - * DEFAULT PREP *** **										
Blank (P2A3107-BLK1)				Prepared: 01/31/22 Analyzed: 02/01/22						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*122*		"	*100*		*122*	*70-130*			
Surrogate: o-Terphenyl	*66.0*		"	*50.0*		*132*	*70-130*			*S-GC*
LCS (P2A3107-BS1)				Prepared: 01/31/22 Analyzed: 02/01/22						
C6-C12	970	25.0	mg/kg wet	1000		97.0	75-125			
>C12-C28	1060	25.0	"	1000		106	75-125			
Surrogate: 1-Chlorooctane	*133*		"	*120*		*111*	*70-130*			
Surrogate: o-Terphenyl	*75.6*		"	*60.0*		*126*	*70-130*			
LCS Dup (P2A3107-BSD1)				Prepared: 01/31/22 Analyzed: 02/01/22						
C6-C12	904	25.0	mg/kg wet	1000		90.4	75-125	7.07	20	
>C12-C28	964	25.0	"	1000		96.4	75-125	9.43	20	
Surrogate: 1-Chlorooctane	*121*		"	*120*		*101*	*70-130*			
Surrogate: o-Terphenyl	*62.1*		"	*60.0*		*104*	*70-130*			
Calibration Check (P2A3107-CCV1)				Prepared: 01/31/22 Analyzed: 02/01/22						
C6-C12	630	25.0	mg/kg wet	600		105	85-115			
>C12-C28	588	25.0	"	600		98.0	85-115			
Surrogate: 1-Chlorooctane	*139*		"	*120*		*116*	*70-130*			
Surrogate: o-Terphenyl	*65.5*		"	*60.0*		*109*	*70-130*			
Calibration Check (P2A3107-CCV2)				Prepared: 01/31/22 Analyzed: 02/01/22						
C6-C12	582	25.0	mg/kg wet	600		97.1	85-115			
>C12-C28	568	25.0	"	600		94.6	85-115			
Surrogate: 1-Chlorooctane	*126*		"	*120*		*105*	*70-130*			
Surrogate: o-Terphenyl	*68.0*		"	*60.0*		*113*	*70-130*			

Dean	Project: Matador Florence St.-23 #202H
12600 W County Rd 91	Project Number: PP-22018
Midland TX, 79707	Project Manager: Jeff Kindley

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 P2A3107 - * DEFAULT PREP *** **										
Calibration Check (P2A3107-CCV3)				Prepared: 01/31/22 Analyzed: 02/01/22						
C6-C12	619	25.0	mg/kg wet	600		103	85-115			
>C12-C28	602	25.0	"	600		100	85-115			
Surrogate: 1-Chlorooctane	*121*		*"*	*120*		*101*	*70-130*			
Surrogate: o-Terphenyl	*67.0*		*"*	*60.0*		*112*	*70-130*			
Duplicate (P2A3107-DUP1)		**Source: 2A31010-02**		Prepared: 01/31/22 Analyzed: 02/01/22						
C6-C12	10.6	27.2	mg/kg dry		ND				20	
>C12-C28	13.9	27.2	"		15.3			9.01	20	
Surrogate: 1-Chlorooctane	*131*		*"*	*109*		*120*	*70-130*			
Surrogate: o-Terphenyl	*72.3*		*"*	*54.3*		*133*	*70-130*			*S-GC*

Dean	Project: Matador Florence St.-23 #202H
12600 W County Rd 91	Project Number: PP-22018
Midland TX, 79707	Project Manager: Jeff Kindley

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
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: Brent Barron Date: 2/1/2022

Brent Barron, Laboratory Director/Technical Director

Dean	Project:	Matador Florence St.-23 #202H
12600 W County Rd 91	Project Number:	PP-22018
Midland TX, 79707	Project Manager:	Jeff Kindley

C: NM W: NM C: NM

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin Hwy
Midland, Texas 79701

Phone: 432-686-7235

PG. 1 of 1

Project Manager: Jeff Kindley

Company Name: Dean

Company Address: 12600 WCR 91

City/State/Zip: Midland TX 79707

Telephone No: 432-230-0920 Fax No:

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[redacted]@deandigs.com
Jenniferperez@deandigs.com

Project Name: Matador Florence St-23 #202H Release

Project #: PP-22018

Project Loc: Lea County, NM

PO# 2020-043 Amber Groves

Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 2A3|010

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3 250ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH TX1005 EXT (TEXAS)	BTEX 8021 B	TCLP BENZENE	CHLORIDES	TCLP METALS	NORM	PAINT FILTER	TOX	RCI	pH	TPH 8015 M (NEW MEXICO)			7 Day TAT	24 hour TAT
	W.SW @ 2.5ft	2.5ft	2.5ft	1/31/2022	9:30 Am		1	X								Soil				X		X							X				X
	E.SW @ 2.5ft	2.5ft	2.5ft	1/31/2022	10:00 Am		1	X								Soil				X		X							X				X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
	1/31/2022	8:50 pm			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
			Olivia Bledsoe	1/31/2022	14:50

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 7.3 °C CF +1
Adjusted: 8.3 °C Factor 1.1

PBELAB

DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

Yes		Notes
✓	Chain of custody present?	
	Chain of custody signed/dated/time when relinquished and received?	
	Sample date/time present on COC for all samples?	
	Samplers name present on COC?	
	Chain of Custody agrees with sample labels?	
	Sample containers intact?	
	Custody seals intact on sample bottles?	
	Samples in proper container/bottle?	
	Sufficient sample volume for indicated test?	
	All samples received within holding time?	
X	Samples received within appropriate temp?	8.3
✓	Analysis requested for all samples submitted?	
	Shipping container/cooler in good condition?	
	Custody seals intact on shipping container/cooler?	

Login Notes:
HCL VOA

PBELAB

DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:
temp 8.3 SOF on ice

Resolution:

Client Contacted NO
Name:
Date/Time:

NC Initiated by: TB Approved by:

talonlpe.com • 866.742.0742

TALON LPE

Remediation and Closure Report

Matador Florence St. 23 #202H
Lea County, New Mexico
Incident # NRM2012560155

Prepared For:

Plains Marketing, L.P.
577 US HWY 385 N
Seminole, TX 79360

Prepared By:

TALON/LPE
408 West Texas Avenue
Artesia, New Mexico 88210

October 07, 2021

TABLE OF CONTENTS

NMOCD District I
1625 N. French Drive
Hobbs, New Mexico 88240

Mr. Ryan Mann
New Mexico State Land Office
914 North Linam Street
Hobbs, New Mexico 88240

Subject: **Remediation and Closure Report**
Matador Florence St. 23 #202H
Unit Letter N, Section 23, Township 23S, Range 34E
Lea County, New Mexico
32.284333, -103.443128
Incident # NRM2012560155

Plains Marketing, L.P., (Plains) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above-referenced location. The results of our site assessment, remediation activities and closure request are contained herein.

Incident Description

On May 01, 2020, approximately 6.63 barrels (bbls) of crude oil were released when oil was pumped against a closed valve on a loadout causing the hose to rupture. The release was limited to the caliche well pad, at two separate areas. The impacted area in the vicinity of the loadout initially measured approximately 20' x 8'. The impacted area near the tanker truck was estimated at 30' x 30'. No fluids were recovered. A site map illustrating this incident is presented in Appendix I. An initial C-141 was submitted on May 04, 2020. The incident number assigned for this release by NMOCD is NRM2012560155.

Site Information

The Matador Florence St. 23 #202H is located approximately 18 miles southwest of Eunice, New Mexico, on New Mexico State Trust Land. The legal location for this release is Unit Letter N, Section 23, Township 23 South and Range 34 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.284333 North and -103.443128 West.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Simona fine sandy loam, with 0 to 3 percent slopes. The referenced soil data is attached in Appendix II. The local surface and shallow geology are middle to lower Pleistocene in age and comprised of eolian deposits derived from sedimentary rock. Drainage courses in this area are typically dry. Research conducted of the BLM mapping database indicates that the project site is not located in a high Karst potential area (Appendix I).

Groundwater and Site Characterization

The New Mexico Office of the State Engineer (NMOSE) web site indicates that the nearest reported depth to groundwater is 265-feet below ground surface (BGS), less than ½ mile from the site. Further research of the NMOSE database has (2) Point of Diversion summaries with drill finish dates of 1980 and 2013, respectively. The depth to water in these wells is recorded at 295' BGS and 318' BGS. Research of the United States Geological Survey (USGS) database has well data within 0.5-mile radius supporting the depth to groundwater at 235' BGS. The referenced groundwater data is presented in Appendix II.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29, NMAC.

Approximate Depth to Groundwater	**265 Feet/BGS**
☐Yes ☒No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐Yes ☒No	Within 200 feet of any lakebed, sinkhole, or a playa lake
☐Yes ☒No	Within 300 feet from an occupied permanent residence, school, hospital, institution, or church
☐Yes ☒No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
☐Yes ☒No	Within 1000 feet of any freshwater well or spring
☐Yes ☒No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
☐Yes ☒No	Within 300 feet of a wetland
☐Yes ☒No	Within the area overlying a subsurface mine
☐Yes ☒No	Within an unstable area
☐Yes ☒No	Within a 100-year floodplain

As this incident occurred in an area with a depth to groundwater of greater than 100-feet BGS, the closure criteria for this site is as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth of the release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
>100 feet	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Site Assessment and Excavation Activities

On May 7 and 8, 2020, Talon mobilized personnel to begin initial delineation of both impacted areas, referenced as west and east excavations respectively. The two areas of impact were mapped and photographed. Photo documentation is referenced in Appendix lV. A PID Meter and field chloride titration data were utilized to guide initial sampling and excavation activities. Grab soil samples were obtained at depths of approximately 1.5-feet BGS with a backhoe. Analytical results from our initial sampling events are presented in the following Data Table 1. Initial site assessment sampling locations are also illustrated on the site map in Appendix I. Complete laboratory reports can be found in Appendix VI. Pursuant to NMOCD guidelines, confirmation soil samples were collected from 200 sq. ft. intervals.

All soil samples were properly packaged in laboratory provided glassware, preserved, and transported to Permian Basin Environmental Lab in Midland, Texas, for analyses of the following constituencies: Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH via EPA Method 8015M), Benzene, Toluene, Ethylbenzene and Xylenes (BTEX via EPA Method 8021B).

As noted in the incident description, the release occurred on the well pad in two (2) separate areas; at the load out (west excavation) and where the tanker truck was parked (east excavation). These areas are illustrated on the site map (Appendix l), and in the attached photo documentation (Appendix lV).

Analytical analyses of the samples collected during the initial site delineation of the eastern excavation (at 1.5-feet deep) indicated the following exceedances of NMOCD closure criteria: S-1, 2,677 mg/kg TPH; S-2, 6,049 mg/kg TPH; and S-3 at 8,079 mg/kg TPH. Analytical testing of the side walls of the eastern excavation yielded the following results: N. SW (north side wall) 2,145.6 mg/kg TPH; S. SW at 6,142 mg/kg TPH; E. SW at 10,270 mg/kg; and W. SW at 6,056 mg/kg TPH.

Initial delineation samples collected from the western excavation (at 1.5-feet deep) indicated the following exceedances of NMOCD closure criteria: S-4, 4,880 mg/kg TPH; S. SW-2 (south side wall, excavation 2) 8,613 mg/kg TPH; E. SW-2, 1,508.1 mg/kg GRO/DRO; and W. SW-2, 1,628.2 mg/kg GRO/DRO.

Table 1*: Initial Delineation Soil Sample Analysis*

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg	Field Titrations	Field PID
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1000 mg/kg			2500 mg/kg	20,000 mg/kg	Chlorides	TPH
S-1	5/7/2020	1'	1.564	ND	47.2	351	54.3	452.5	26.5	35.45	1370 PPM
		1.5'R	1.503	ND	158	2170	349	2677	89.8		
S-2	5/7/2020	1.5'R	6.269	ND	419	4790	840	6049	178		
S-3	5/7/2020	1.5'R	6.5738	0.0238	629	6350	1100	8079	54.1		
S-4	5/8/2020	1.5'R	0.04555	ND	204	3990	686	4880	135		55 PPM
S-5	5/8/2020	1.5'R	0.0098	ND	ND	751	172	923	961		
N.SW	5/7/2020	1'	3.6091	0.0361	100	615	88.8	803.8	18.5		
		1.5'R	0.7857	ND	94.6	1740	311	2145.6	77.4		
N.SW-2	5/8/2020	1.5'R	0.01575	ND	31.2	440	108	579.2	55		2.6 PPM
S.SW	5/7/2020	1'	5.4509	0.0609	281	2170	310	2761	101	106.35	30 PPM
		1.5'R	6.5	ND	476	4890	776	6142	270		
S.SW-2	5/8/2020	1.5'R	0.2634	ND	423	6850	1340	8613	1820		69 PPM
E.SW	5/7/2020	1'	0.2808	ND	27.8	424	82.7	534.5	21.1		
		1.5'R	16.503	0.123	1250	7680	1340	10270	128		
E.SW-2	5/8/2020	1.5'R	0.04604	ND	38.1	1470	345	1853.1	761		2.7 PPM
W.SW	5/7/2020	1'	ND	ND	ND	61.6	ND	61.6	35.45		1669 PPM
		1.5'R	6.847	ND	630	4650	776	6056	136		
W.SW-2	5/8/2020	1.5'R	0.03863	ND	68.2	1560	294	1922.2	355		8.5 PPM

SW = Sidewall Soil Sample ND = Analyte Not Detected R=Refusal with Backhoe

On May 19, 2020, based on the field and analytical results from our initial soil delineation activities, further excavation activities of the respective spill areas commenced. Additional excavation and confirmation soil sampling activities were undertaken in the previously identified areas of soil samples S-1, S-2, S-3, and S-4. Additional bottom confirmation samples (S-6 and S-7) were also collected and analyzed for TPH, the constituent of concern, to document that NMOCD closure criteria had been met. Bottom confirmation sampling results for sample S-1 indicated TPH concentrations at 65.9 mg/kg. Analytical results for samples S-2, S-3 and S-4 revealed no evidence of TPH concentrations within laboratory method detection limits. TPH concentrations at bottom confirmation sample S-6 were 39.5 mg/kg, and TPH concentrations at S-7 were 58.5 mg/kg. The results of this sampling event are recapped below in Table 2.

Additionally, the sidewalls of both impacted areas were expanded as dictated by the analytical results from our initial assessment until NMOCD closure criteria had been achieved. The final excavation of first impacted area (east excavation) at the loadout measured approximately 25'x13'x1.5'. Sidewall confirmation sampling results for TPH from the east excavation are as follows: S. SW-2, 638 mg/kg (south side wall 2); E. SW-2, 1053 mg/kg TPH; and W. SW-2, 234.1 mg/kg TPH.

The completed excavation of the second impacted area (west excavation) measured approximately 42'x8-15'x2.5'. Confirmation side wall sample analysis for TPH from the west excavation are as follows: N. SW (north side wall) and S. SW were below laboratory method detection limits for TPH; E. SW, 34.6 mg/kg TPH and W. SW, 77.1 mg/kg TPH. The locations of sample positions and excavation dimensions can be found on the site plan in Appendix I.

Complete laboratory reports are attached in Appendix VI. Confirmation sampling results taken every 200 sq. ft. are shown below in Table 2.

Table 2: *Confirmation Soil Sample Analysis 5/19/2020*

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1000 mg/kg			2500 mg/kg	20,000 mg/kg
S-1	5/19/2020	2.5'	NT	NT	ND	65.9	36.4	65.9	NT
S-2	5/19/2020	2.5'	NT	NT	ND	ND	ND	0	NT
S-3	5/19/2020	2.5'	NT	NT	ND	ND	ND	0	NT
S-4	5/19/2020	2.5'	NT	NT	ND	ND	ND	0	NT
S-6	5/19/2020	1.5'	NT	NT	ND	39.5	ND	39.5	NT
S-7	5/19/2020	1.5'	NT	NT	ND	58.5	ND	58.5	NT
N.SW	5/19/2020	1.5'	NT	NT	ND	ND	ND	0	NT
S.SW	5/19/2020	1.5'	NT	NT	ND	ND	ND	0	NT
S.SW-2	5/19/2020	1.5'	NT	NT	ND	536	102	638	NT
E.SW	5/19/2020	1.5'	NT	NT	ND	34.6	ND	34.6	NT
E.SW-2	5/19/2020	1.5'	NT	NT	ND	874	179	1053	NT
W.SW	5/19/2020	1.5'	NT	NT	ND	77.1	ND	77.1	NT
W.SW-2	5/19/2020	1.5'	NT	NT	ND	186	48.1	234.1	NT

SW = Sidewall Soil Sample NT = Analyte Not Tested ND = Analyte Not Detected

Subsequent Sampling Event

The initial closure report was denied by the NMOCD on September 9, 2020, stating horizontal remediation had not been completed and that the values of horizontal impacts should be remediated to the more stringent requirements listed in Table 1 standards. The Plains Remediation Coordinator responded on the same day for clarification regarding remediation standards as the depth to groundwater is listed in the NMOSE data base as 265' deep, within ½ mile of the site, and that the release was contained to the well pad area only. The NMOCD responded that Plains would need to remediate the site horizontally to the strictest Table 1 standards. On September 10, 2020, Plains requested a conference call with the NMOCD to gain clarity on Table 1 clean up criteria for this and future projects. A complete copy of the correspondence between Plains Marketing, L.P., and the NMOCD is provided for reference in Appendix lll.

On May 20, 2021, representatives of Plains Marketing, L.P., enacted a conference call with the NMOCD for further clarification of remediation efforts and closure criteria. Plains personnel expressed their commitment to remediation of this site and closure of the aforementioned incident. As per the conference call it was agreed that horizontal remediation had been achieved in accordance with Table NMOCD Table1 closure criteria guidelines. However, the NMOCD requested additional horizontal delineation samples showing analytical results to the strictest Table 1 standards.

On May 26, 2021, Talon personnel mobilized to the Matador Florence St. 23 #202H in order to advance the additional boreholes at the excavation sidewalls needed for NMOCD closure approval. Eight (8) hand auger borings were advanced to depths of 0.5' BGS at the locations shown on the attached site map in Appendix I. Soil samples were collected and transported to Eurofins Laboratory for analysis of Total Chlorides, TPH, and BTEX. The sample results are recapped in Table 3 below and the corresponding laboratory report can be seen in its entirety in Appendix VI.

The analytical results from hand auger sample 1 (HA-1) indicated a total chloride concentration of 5.59 mg/kg; HA-2 at 4.61 mg/kg chlorides; HA-3 at 3.69 mg/kg chlorides; HA-4 at 3.19 mg/kg chlorides; and HA-5 at 10.8 mg/kg chlorides and 15.2 mg/kg for total petroleum hydrocarbons (TPH). Sampling results from HA-6 exhibited chloride concentrations at 1.82 mg/kg; HA-7 at 3.12 mg/kg chlorides; and HA-8 at 5.21 mg/kg for total chlorides.

As shown on the following data table, all analytical results are below NMOCD horizontal delineation closure criteria of 100 mg/kg for TPH and 600 mg/kg for total chlorides.

Table 3: *Confirmation Soil Sample Analysis, 5/25/2021*

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			**50 mg/kg**	**10 mg/kg**				**100 mg/kg**	**600 mg/kg**
HA-1	05/25/21	0.5	<0.00399	<0.00200	<49.9	<49.9	<49.9	<49.9	**5.59**
HA-2	05/26/21	0.5	<0.00397	<0.00198	<50.0	<50.0	<50.0	<50.0	**4.61**
HA-3	05/26/21	0.5	<0.00397	<0.00198	<49.7	<49.7	<49.7	<49.7	**3.69**
HA-4	05/26/21	0.5	<0.00402	<0.00201	<49.8	<49.8	<49.8	<49.8	**3.19**
HA-5	05/26/21	0.5	<0.00398	<0.00199	<49.7	**15.2**	<49.7	**15.2**	**10.8**
HA-6	05/26/21	0.5	<0.00398	<0.00199	<49.8	<49.8	<49.8	<49.8	**1.82**
HA-7	05/26/21	0.5	<0.00398	<0.00199	<50.0	<50.0	<50.0	<50.0	**3.12**
HA-8	05/26/21	0.5	<0.00397	<0.00198	<49.9	<49.9	<49.9	<49.9	**5.21**

HA=Hand Auger Boring

Remedial Summary

The impacted area in the vicinity of sample point areas S-1 through S-3 (western excavation) was excavated to a total depth of 2.5-feet BGS. The horizontal extent of this excavation measured approximately 42' long x 8-15' wide. Excavation areas are shown on the attached site plan.

The western excavation area near the load out at sample locations S-4 through S-7 was excavated to depths of 1.5-feet and to 2.5-feet deep at S-4. The sidewalls were advanced horizontally by approximately 3'- 4' during the excavation process to achieve closure criteria for soil constituencies of concern. The final excavated area measured approximately 25' long by 13' wide.

Composite confirmation samples were obtained from the sidewalls and bottoms of the excavated areas in 200 sq. ft. areas to verify that all contaminants above closure criteria had been removed. Sidewall excavations continued until closure NMOCD criteria was met. The results are shown on Data Table 2 above, and the corresponding lab reports may be found in Appendix VI.

The excavated material (approximately 96 yards) was transported to Lazy Ace Land Farm, a NMOCD approved solid waste disposal facility. Disposal manifests are appended in Appendix V.

The excavated areas were backfilled with locally sourced, non-impacted caliche, machine compacted and contoured to match the surrounding location.

Pursuant to NMOCD stipulations set forth during the May 20, 2021, meeting for closure of this incident; hand auger soil borings were advanced at the sidewalls of the excavated areas in order to confirm that horizontal delineation of the remediated areas had been achieved. As shown by the analytical data presented in Table 3 above, Plains respectfully requests closure of Incident # NRM20212560155.

Closure

Based on the site assessment and characterization data, remedial actions completed and confirmation sampling results obtained for this project, on behalf of Plains Marketing, L.P., we respectfully request that no further actions be required, and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

TALON/LPE

Rebecca Pons
Senior Environmental Project Manager

David J. Adkins
Regional Manager

Attachments:

Appendix I Site Maps
Appendix II Groundwater Data, Soil Survey & FEMA Flood Map
Appendix III Initial C-141, NMOCD Correspondence
Appendix IV Photographic Documentation
Appendix V Disposal Manifests
Appendix VI Laboratory Reports

APPENDIX I

SITE MAP

KARST MAP

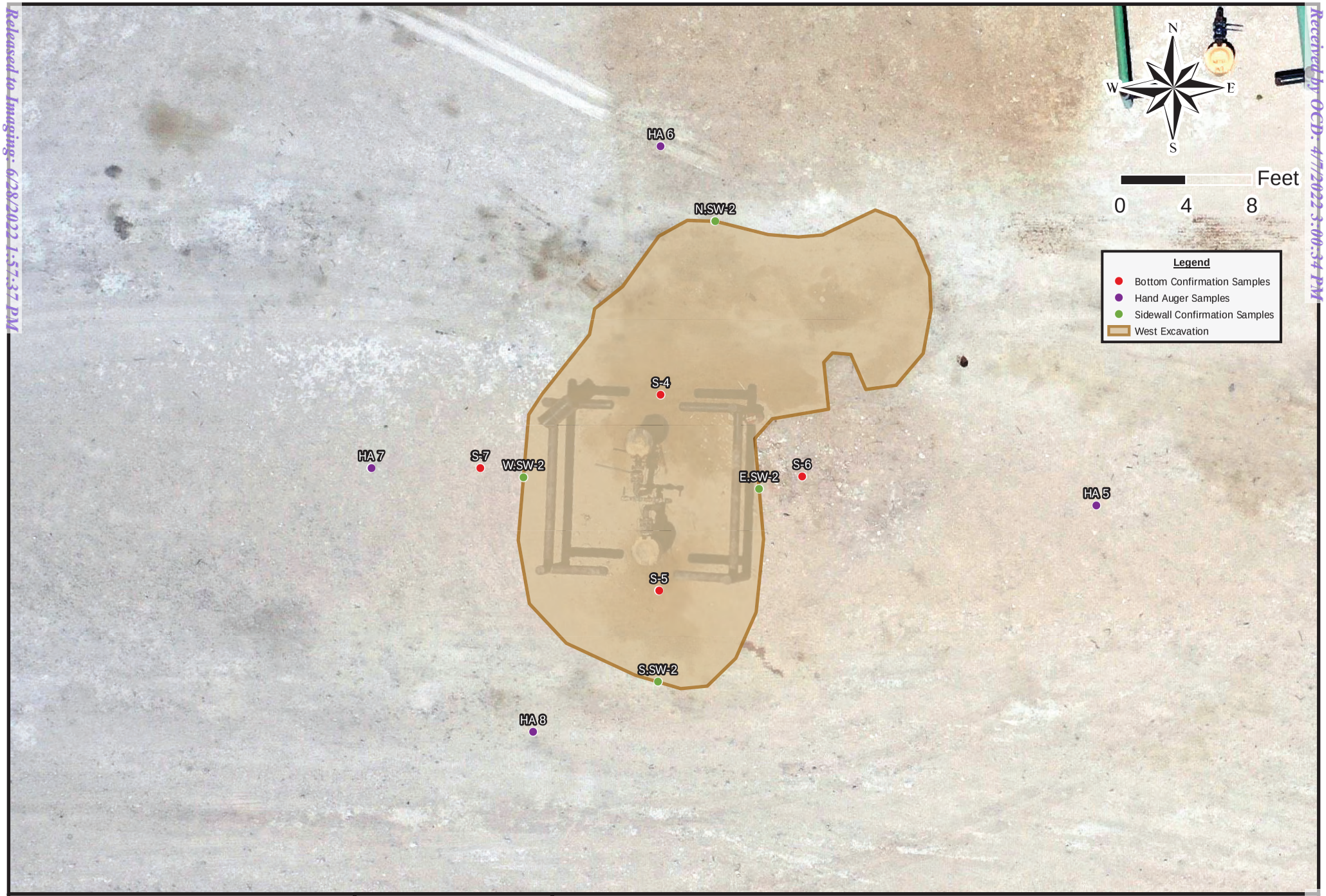
TOPO MAP

LOCATION MAP

TALON LPE

Drafted: 10/7/2021
1 in = 10 ft
Drafted By: IJM

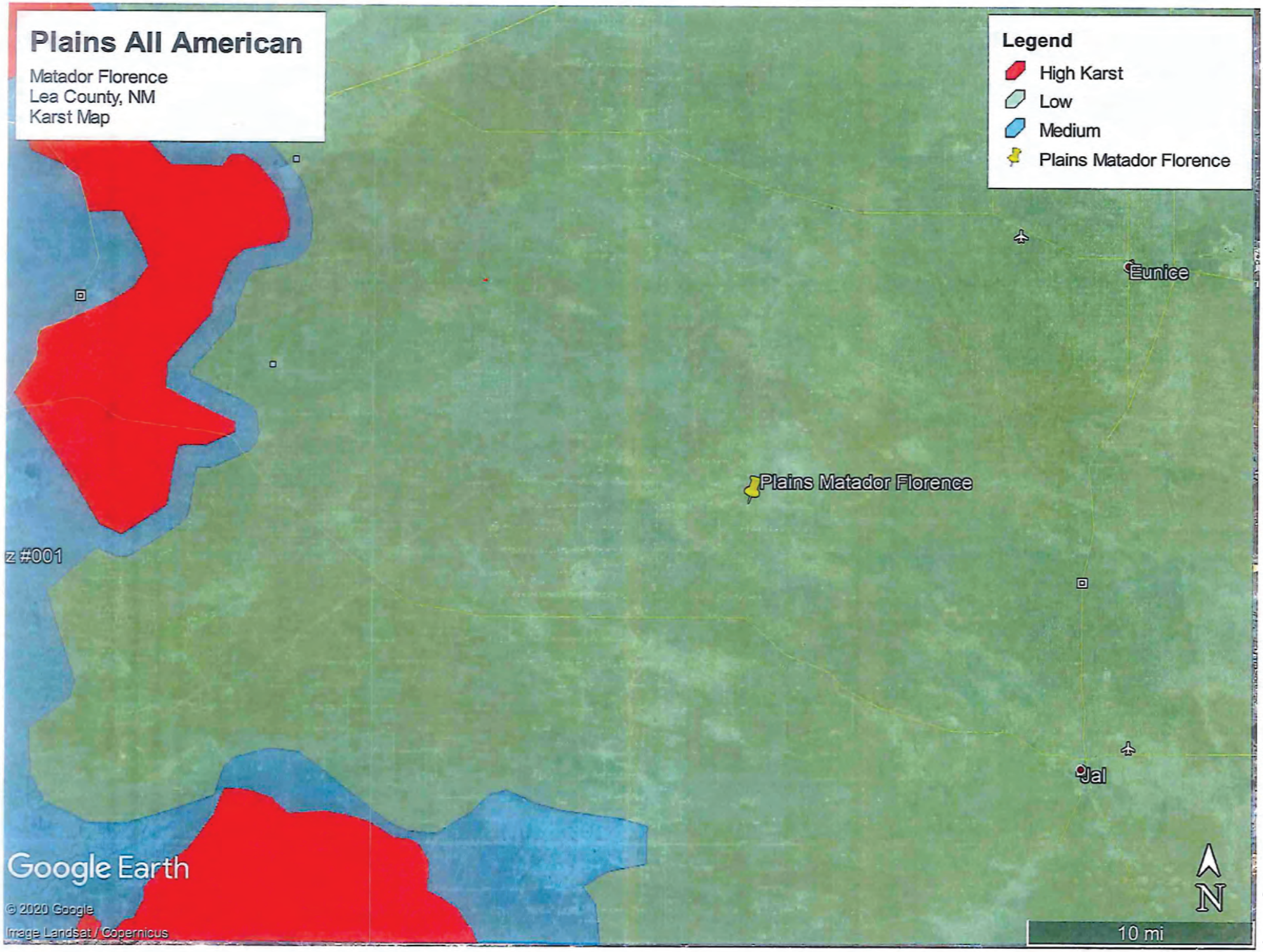
Matador Florence 23 #202H
Plains Marketing, L.P.
Unit Letter N. T23S, R34E, Lea County, NM
32.284333, -103.443128
Site Map



TALON LPE

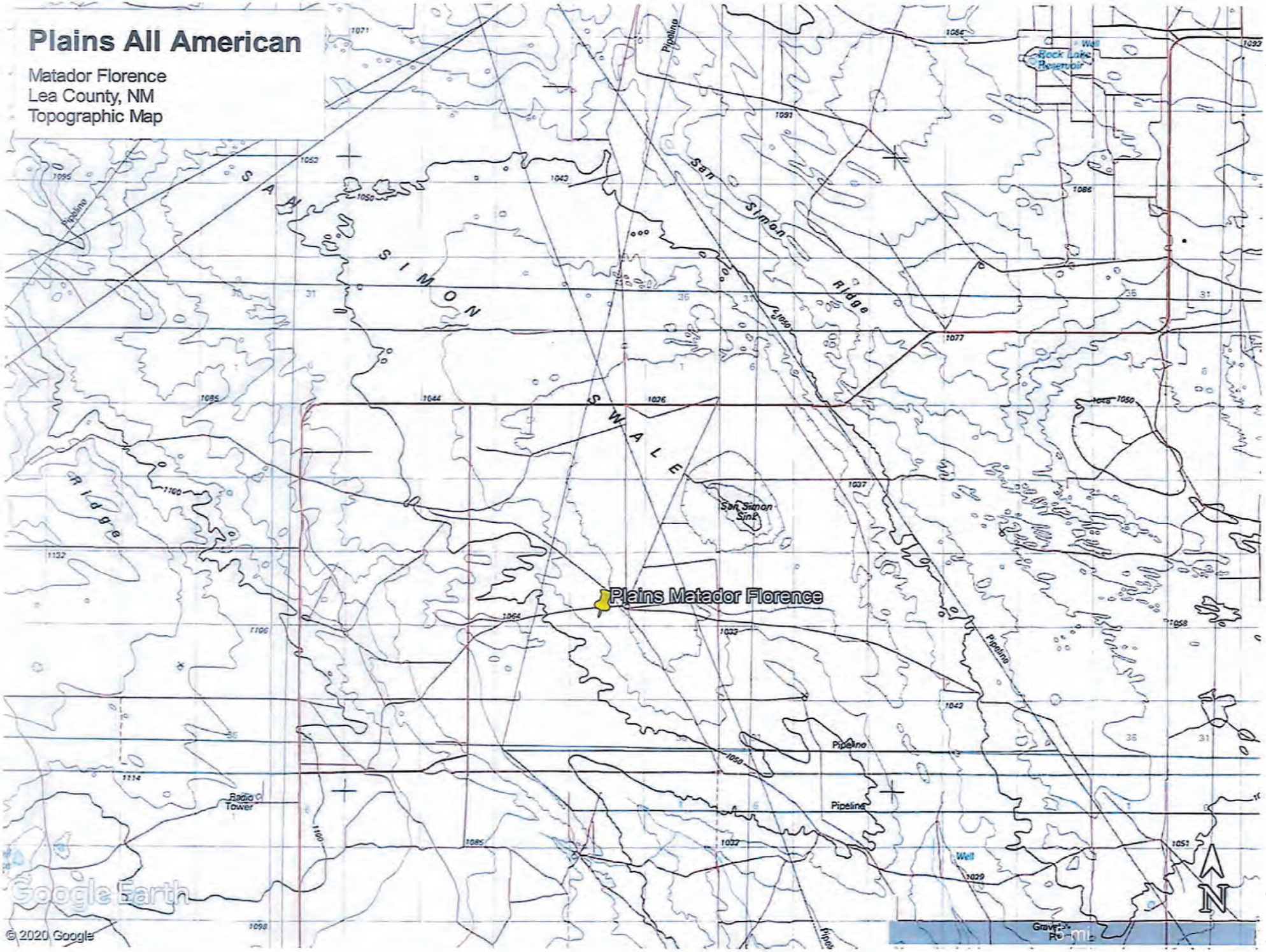
Drafted: 10/6/2021
1 in = 8 ft
Drafted By: IJM

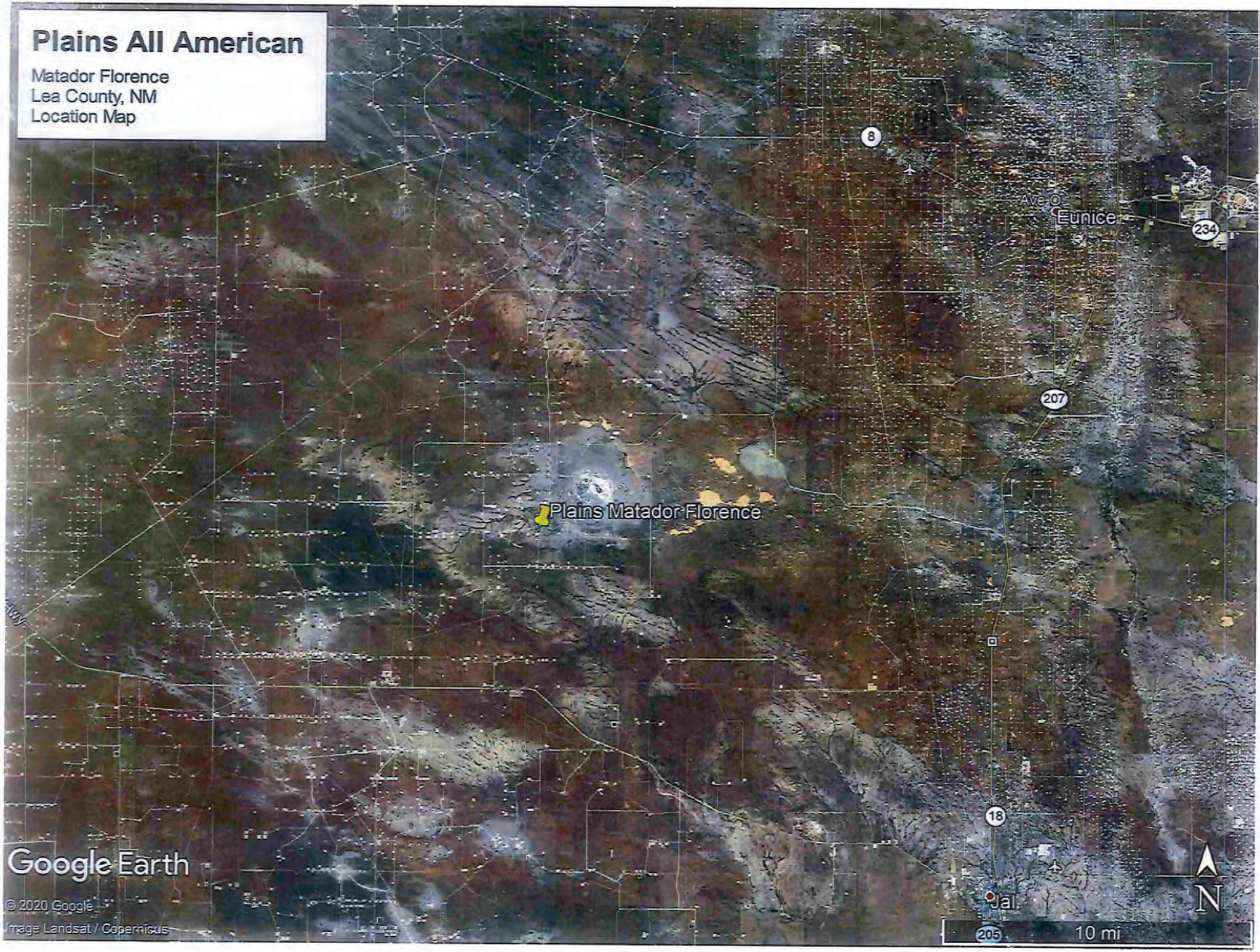
Matador Florence 23 #202H
Plains Marketing, L.P.
Unit Letter N. T23S, R34E, Lea County, NM
32.284333, -103.443128
Site Map



Plains All American

Matador Florence
Lea County, NM
Topographic Map





APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

FEMA FLOOD ZONE

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW######## in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00580		CP	LE	3	4	3	23	23S	34E	646524	3572948*	143	220		
CP 00606		CP	LE		4	1	23	23S	34E	646613	3573854*	819	650	265	385
CP 00616		CP	LE	1	2	4	22	23S	34E	645713	3573539*	1053	428	295	133
CP 01258 POD1		CP	LE	1	4	3	22	23S	34E	645015	3573221	1634	25		
CP 01258 POD3		CP	LE	1	4	3	22	23S	34E	644938	3573097	1701	25		
CP 01258 POD2		CP	LE	1	4	3	22	23S	34E	644941	3572883	1704	65		
CP 01120 POD1		CP	LE	2	3	3	14	23S	34E	646366	3574753	1739	397	318	79
CP 01785 POD1		CP	LE	4	1	3	14	23S	34E	646203	3575003	2016	488	245	243
CP 00637		CP	LE	3	3	4	15	23S	34E	645293	3574541*	2019	430	430	0
E 07616 POD1		E	TO							646466	3576970	3939	500	300	200
CP 01760 POD1		CP	LE	3	1	2	16	23S	34E	643627	3575897	4154	767	290	477
CP 01730 POD1		CP	LE	2	2	1	16	23S	34E	643549	3575824	4162	594	200	394
C 02386		CUB	LE	4	1	2	04	24S	34E	643962	3569290*	4603	575	475	100
C 02397		CUB	LE	4	1	2	04	24S	34E	643962	3569290*	4603	575	475	100
CP 00614 POD2		CP	LE	4	3	3	29	23S	35E	651102	3571401	4753	440	320	120

Average Depth to Water: 328 feet
Minimum Depth: 200 feet
Maximum Depth: 475 feet

Record Count: 15

UTMNAD83 Radius Search (in meters):

Easting (X): 646638.557 Northing (Y): 3573034.997 Radius: 5000

*UTM location was derived from PLSS - see Help

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

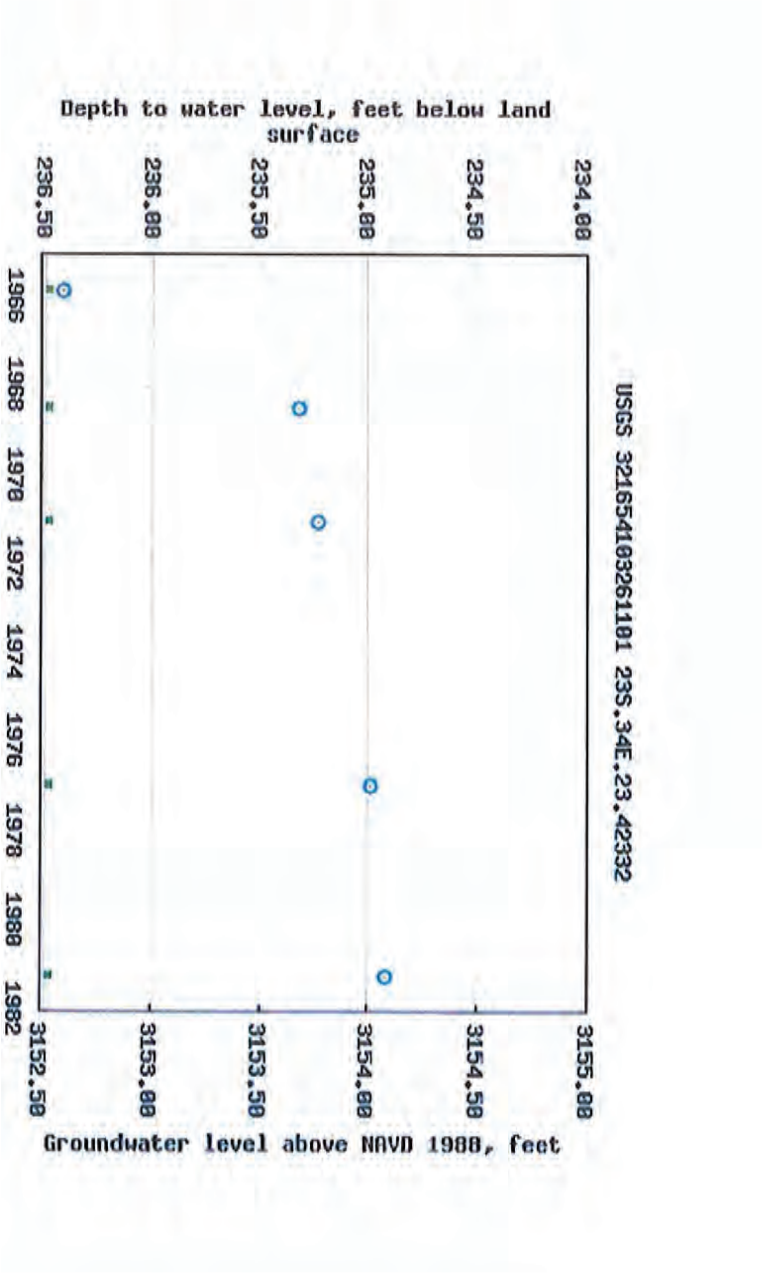
Well Tag	POD Number	Q64	Q16	Q4	Sec	Twsp	Rng	X	Y
NA	CP 01120 POD1	2	3	3	14	23S	34E	646366	3574753

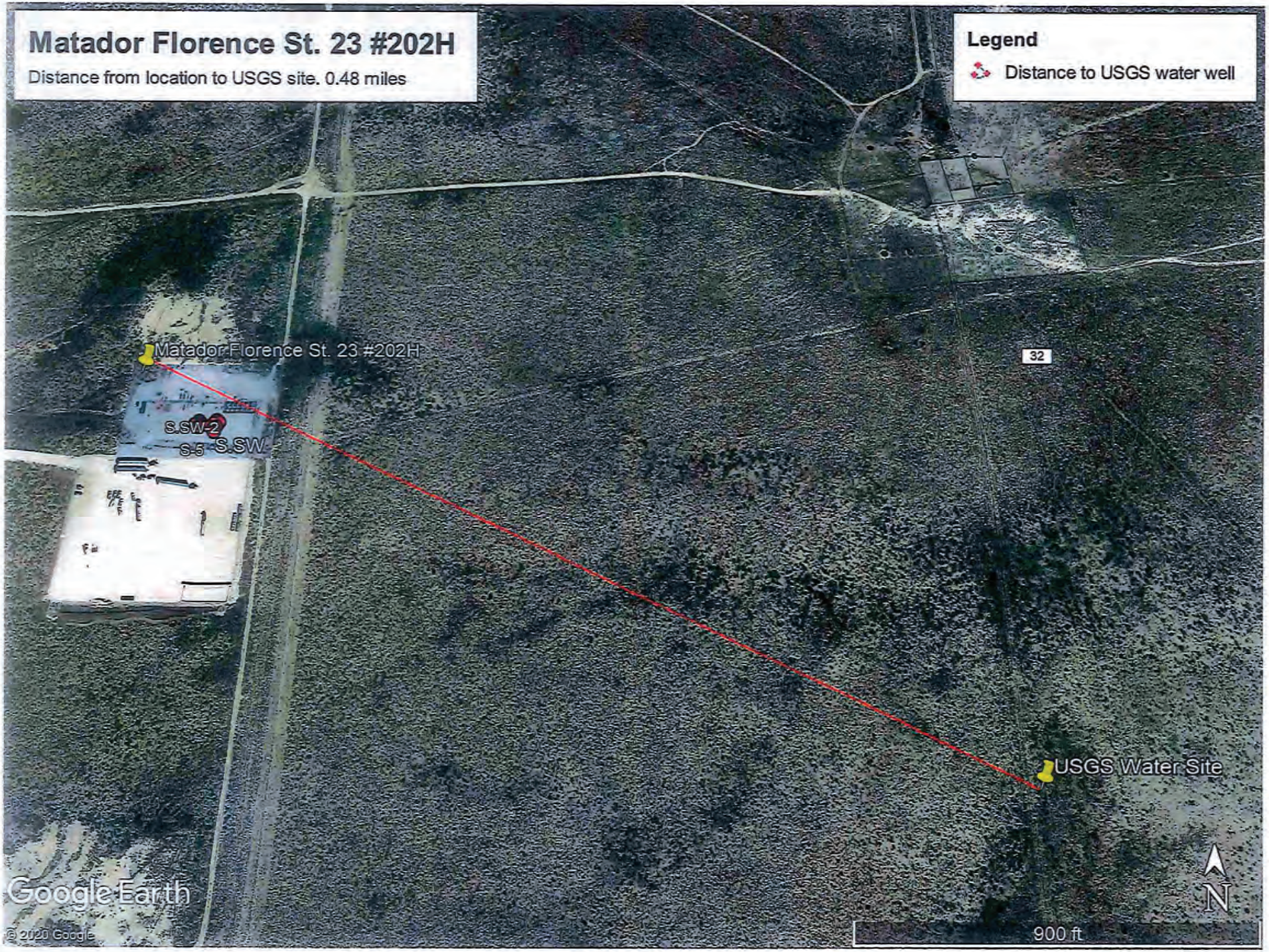
Driller License: 1292 **Driller Company:** BENTLE WATER WELL SERVICE
Driller Name: BENTLE, BILLY L.

Drill Start Date: 01/09/2013 **Drill Finish Date:** 04/06/2013 **Plug Date:**
Log File Date: 04/24/2013 **PCW Rcv Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:**
Casing Size: 6.13 **Depth Well:** 397 feet **Depth Water:** 318 feet

Water Bearing Stratifications:	Top	Bottom	Description
	0	20	Other/Unknown
	43	397	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	1	20
	20	277
	277	397


USGS 321654103261101 23S.34E.23.42332
Depth to water level, feet below land surface
236.50
236.00
235.50
235.00
234.50
234.00
1966
1968
1970
1972
1974
1976
1978
1980
1982
Period of approved data
3152.50
3153.00
3153.50
3154.00
3154.50
3155.00
Groundwater level above NAVD 1988, feet



Lea County, New Mexico

SE—Simona fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: dmr2
Elevation: 3,000 to 4,200 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 58 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sandy loam
Bk - 8 to 16 inches: gravelly fine sandy loam
Bkm - 16 to 26 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Natural drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 35 percent
Gypsum, maximum in profile: 1 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 2.0
Available water storage in profile: Very low (about 2.0 inches)

Interpretive groups

Land capability classification (irrigated): 6s

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: Shallow Sandy (R042XC002NM)
Hydric soil rating: No

Minor Components

Kimbrough
Percent of map unit: 8 percent
Ecological site: Very Shallow 16-21" PZ (R077CY037TX)
Hydric soil rating: No

Lea
Percent of map unit: 7 percent
Ecological site: Limy Upland 16-21" PZ (R077CY028TX)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 16, Sep 15, 2019

National Flood Hazard Layer FIRMette

FEMA

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainag areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represe an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/18/2020 at 5:49 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX III

INITIAL C-141

NMOCD CORESPONDENCE

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 Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nRM2012560155
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Plains Marketing, L.P.	OGRID 713291
Contact Name Amber Groves	Contact Telephone 575-200-5517
Contact email algroves@paalp.com	Incident # *(assigned by OCD)*
Contact mailing address 577 US HWY 385 N Seminole, TX 79360	

Location of Release Source

Latitude 32.284333 Longitude -103.443128
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Matador Florence St. 23 #202H	Site Type Tank Battery
Date Release Discovered 5/1/2020 @ 12:00 AM	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
N	23	23S	34E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil	Volume Released (bbls) 6.63 bbls	Volume Recovered (bbls) 0 bbls
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Oil was pumped against a closed valve causing a hose rupture resulting in the approximate release of 6.63 bbls of crude oil.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nRM2012560155
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Amber Groves Title: Remediation Coordinator

Signature: Amber Groves Date: 5/4/2020

email: algroves@paalp.com Telephone: 575-200-5517

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NRM2012560155
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Amber Groves Title: Remediation Coordinator

Signature: Amber Groves Date: 8/14/2020

email: algroves@paalp.com Telephone: (575)200-5517

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Amber L Groves

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Wednesday, May 19, 2021 4:13 PM
To: Amber L Groves
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Thank you – mb

From: Amber L Groves <ALGroves@paalp.com>
Sent: Wednesday, May 19, 2021 3:12 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: Re: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E

Hi Mike!

Yes, I added them this morning and they all sent responses of attending. Except Bradford, he was tentative.

Amber

Sent from my iPhone

> On May 19, 2021, at 3:09 PM, Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us> wrote:
>
> Hi Amber,
>
> Are you able to add the below personnel to the meeting tomorrow?
>
> Thanks,
>
> Mike Bratcher
> 575-626-0857
>
> ---
>
> **From:** Bratcher, Mike, EMNRD
> **Sent:** Tuesday, May 18, 2021 5:23 PM
> **To:** Amber L Groves <ALGroves@paalp.com>
> **Subject:** RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E
>
> Amber,
>
> I do have some additions, and I add this many so most of my team all hears the same thing. I think I know what the issue is, and hopefully we resolve it once and for all type of thing. Anyway, here are the additions:
>
> - Robert Hamlet
> - Bradford Billings
> - Karen Collins
> - Cristina Eads

Thank you,

Mike Bratcher
575-626-0857

From: Amber L Groves <ALGroves@paalp.com>
Sent: Tuesday, May 18, 2021 11:43 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E

Ok. I just sent you an invite on Microsoft Teams for Thurs at 2 PM. Please let me know if you need for me to add anyone else to the meeting!

Thank you,

Amber

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Tuesday, May 18, 2021 12:06 PM
To: Amber L Groves <ALGroves@paalp.com>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Time should work. I am not sure that I have used Web-ex. If we have to download anything, it won't work as we would have to get IT involved. Tricky at best. I know we can use Zoom or TEAMS, and seems we used Web-ex early on, just don't recall. – mb

---

From: Amber L Groves <ALGroves@paalp.com>
Sent: Tuesday, May 18, 2021 11:00 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E

That will be fine. Will Web-ex work? How about 2:00?

Amber

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Tuesday, May 18, 2021 11:59 AM
To: Amber L Groves <ALGroves@paalp.com>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

How about Thursday afternoon?

From: Amber L Groves <ALGroves@paalp.com>
Sent: Tuesday, May 18, 2021 10:55 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E

Good Morning, Mike!

I just wanted to follow up on this meeting with you and see if there will be a convenient time this week?

Thank you!

Amber

From: Amber L Groves
Sent: Friday, May 14, 2021 10:19 AM
To: 'Bratcher, Mike, EMNRD' <mike.bratcher@state.nm.us>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Mike,

I understand! How about Tuesday at any time that is convenient for OCD? I can also be available any time on Monday as well if that works better and am flexible the majority of the week. I usually prefer Web-ex for meeting but can set something else up if need be just let me know what works best for you.

Thank you,

Amber

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Friday, May 14, 2021 10:06 AM
To: Amber L Groves <ALGroves@paalp.com>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Hi Amber,

Yes, please, let's set something up. I promise I have not been intentionally ignoring you. I thought we had reached the height of hectic a few years ago, but I was wrong. Propose a day, time and method for the meeting and I will see who all I can get in on it. Victoria did the review on this, but she is in a different area of the enviro group now. I prefer to get as many of our folks in on these type meetings as possible to keep us all consistent.

Hope all is well with you and again, sorry for dragging this out so long.

Thank you,

Mike Bratcher ● Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
811S. First St. | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@state.nm.us
http://www.emnrd.state.nm.us/OCD/
<image001.jpg>

From: Amber L Groves <ALGroves@paalp.com>
Sent: Friday, May 14, 2021 8:51 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E

Good Morning, Mike,

I just wanted to follow up with you on this one. Would you have time for a discussion sometime next week?

Thank you,

Amber

From: Amber L Groves
Sent: Wednesday, April 14, 2021 2:40 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Good Afternoon, Mike,

Would you have some time this week or next to discuss this site with me by chance?

Thank you,

Amber

From: Amber L Groves
Sent: Friday, March 12, 2021 8:13 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Good Morning, Mike,

Would you happen to have some time next week for a discussion with me on this by chance?

Thank you,

Amber

From: Amber L Groves
Sent: Thursday, February 25, 2021 9:57 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Good Morning, Mike,

I just wanted to follow up on this one. Would you have some time next week for a discussion on this by chance?

Thank you,

Amber

From: Amber L Groves
Sent: Tuesday, February 9, 2021 1:51 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Good Afternoon, Mike,

I just wanted to follow up with you on this. Would you have some time for a discussion this week, by chance?

Thank you,

Amber

From: Amber L Groves
Sent: Monday, January 4, 2021 2:46 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Good Afternoon, Mike,

I just wanted to follow up with you on this one. Would it be possible to schedule a conference call to discuss sometime this week?

Thank you,

Amber

From: Amber L Groves
Sent: Monday, November 30, 2020 2:27 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Good Afternoon, Mike,

I just wanted to follow up on this one with you. Would it be possible for us to schedule a conference call sometime this week for a discussion?

Thank you,

Amber

From: Amber L Groves
Sent: Tuesday, October 20, 2020 2:11 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: FW: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Good Afternoon, Mike,

I just wanted to follow up on the phone conversation that you and I had on September 30th about this one. If you would like to have a conference call about it, we are still willing to set this up!

Thank you!

Amber

From: Amber L Groves
Sent: Friday, September 18, 2020 10:31 AM
To: 'Venegas, Victoria, EMNRD' <Victoria.Venegas@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>
Cc: 'David J. Adkins' <dadkins@talonlpe.com>; 'rmann@slo.state.nm.us' <rmann@slo.state.nm.us>; Camille J Bryant <CJBryant@paalp.com>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Ms. Venegas,

Plains would once again like to request a conference call for discussion and would like Mike Bratcher to be in attendance, please. Please let us know when would be a good time next week for OCD.

Thank you,

Amber L. Groves
Remediation Coordinator
Plains All American
3112 W. US Hwy 82
Lovington, NM 88260
575-200-5517

From: Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>
Sent: Friday, September 18, 2020 10:23 AM
To: Amber L Groves <ALGroves@paalp.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>
Cc: 'David J. Adkins' <dadkins@talonlpe.com>; 'rmann@slo.state.nm.us' <rmann@slo.state.nm.us>; Camille J Bryant <CJBryant@paalp.com>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Good morning Ms. Groves,
Plains needs to conduct additional remediation @ samples points S.SW-2, ESW-2 & W.SW-2, i.e. the sidewalls need to be less than 600 mg/kg for chlorides and 100 mg/kg for TPH, even though the depth to groundwater is over 100' and the release is on-pad. That will suffice for closure approval. Please make sure to submit all sampling notifications to ocd.enviro@state.nm.us that include the site name, incident number (or RP# if applicable), date and time of sampling event. Please note that confirmation closure samples not collected in accordance to 19.15.29.12.D may not be accepted during closure and Operators may be required to collect additional samples.
Thank you,

Victoria Venegas
State of New Mexico
Energy, Minerals, and Natural Resources
Oil Conservation Division
811 S. First St., Artesia NM 88210

(575) 909-0269
Victoria.Venegas@state.nm.us

From: Amber L Groves <ALGroves@paalp.com>
Sent: Friday, September 18, 2020 8:05 AM
To: Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>
Cc: 'David J. Adkins' <dadkins@talonlpe.com>; 'rmann@slo.state.nm.us' <rmann@slo.state.nm.us>; Camille J Bryant <CJBryant@paalp.com>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E

Good Morning, Ms. Venegas,

Plains is committed to gaining closure for NRM2012560155. Although remediation was conducted under and met all Table 1 criteria, it is our understanding that OCD's request is for the lateral extents to be characterized to the less than 50' to groundwater standard. As such, Plains will take delineation samples in four cardinal directions of the release area, thus exhibiting that the impacted area was contained to the tank battery production pad. Plains will have this scheduled for next week. Please let us know if this will not suffice for gaining closure or should you want to schedule a conference call for discussion.

Thank you,

Amber L. Groves
Remediation Coordinator
Plains All American
3112 W. US Hwy 82
Lovington, NM 88260
575-200-5517

From: Amber L Groves
Sent: Thursday, September 10, 2020 2:07 PM
To: 'Venegas, Victoria, EMNRD' <Victoria.Venegas@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>
Cc: David J. Adkins <dadkins@talonlpe.com>; rmann@slo.state.nm.us; Camille J Bryant <CJBryant@paalp.com>
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Ms. Venegas and Mr. Bratcher,

Plains would like to respectfully request a conference call with NMOCD to gain clarity on Table 1 Criteria under Rule 29 in relation to remediation activities located on in use production pads for this project as well as future projects. Please let me know a good date and time for OCD next week.

Thank you,

Amber L. Groves
Remediation Coordinator
Plains All American
3112 W. US Hwy 82
Lovington, NM 88260
575-200-5517

From: Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>
Sent: Wednesday, September 9, 2020 2:56 PM
To: Amber L Groves <ALGroves@paalp.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>
Cc: David J. Adkins <dadkins@talonlpe.com>; rmann@slo.state.nm.us
Subject: RE: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

Ms. Groves,
Thank you for the clarification. For your next submittals, please do not include information that is not required by the rule.
Regarding your questions about horizontal delineation the answer is yes; Plains needs to conduct additional remediation @ samples points S.SW-2, ESW-2 & W.SW-2, i.e. the sidewalls need to be less than 600 mg/kg for chlorides and 100 mg/kg for TPH, even though the depth to groundwater is over 100' and the release is on-pad. While vertical definition of contamination that may be acceptable is almost exclusively driven by depth to water, as determined, and as driven by Table I, horizontal definition if different. The edges (horizontal definition) of a liquid release must be determined as well. The only value for determination of horizontal impact are derived by either "background" value as determined appropriate to Rule 29, or, for chloride, 600 mg/Kg in soils. This 600 mg/Kg value is discussed in detail in 19.15.29.13 D. (1).
Therefore, horizontal soils delineation for chloride should be 600 mg/kg (again, or background) for all liquid releases, either on or off production pad. It is conceivable that in determining the horizontal extent of chloride that the edge of the production pad may be encountered, if last sample taken on pad limit, samples(s) must be obtained off pad to determine extent of release. If horizontal delineation samples on pad eventually reach a mechanical barrier, (such as pipeline or battery) sample(s) should be obtained as near as possible on the linear opposite side of said barrier and as close as possible to the barrier.
It is conceivable that a liquid release may occur with, for example, a surface soil chloride of 19,000 mg/Kg, and if it is reliably determined that groundwater is over 101 feet below ground surface, then that value may stand as a vertical definition, but nonetheless, the horizontal value(s) for lateral extent of liquid release would still, of Rule 29 necessity, be 600 mg/Kg chloride or less and 100 mg/kg for TPH. This would be inclusive of both "on-pad" of "off-pad" release area. The above if laboratory data driven, not just reported visual extent of a liquid release or calculated and reported release volumes. Generally, the top one foot sample suffices for immediate horizontal evaluation.
I hope this clarifies your questions. If you need anything else, please let me know.
Thank you,

Victoria Venegas
State of New Mexico
Energy, Minerals, and Natural Resources
Oil Conservation Division
811 S. First St., Artesia NM 88210

(575) 748-1283
Victoria.Venegas@state.nm.us

From: Amber L Groves <ALGroves@paalp.com>
Sent: Wednesday, September 9, 2020 11:13 AM
To: Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>
Subject: [EXT] RE: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E

Good Morning, Ms. Venegas,

Just a few questions for clarification purposes. As the depth to groundwater is 265' bgs, Table 1 criteria would make total TPH 2500 mg/kg. In the closure report submittal, all sidewall samples showing horizontal remediation were 0-1053 mg/kg. Are you requesting that Plains conduct additional remediation on the two sample areas that were above 100 mg/kg?

The laboratory report that you are referring to is the waste characterization sample of the stockpile that Plains is required to run for transportation purposes. As a crude oil transporter, we are held to different standards than production and in order to legally transport those analyses are required. It was for the stockpile that was hauled to disposal.

Thank you,

Amber L. Groves
Remediation Coordinator
Plains All American
3112 W. US Hwy 82
Lovington, NM 88260
575-200-5517

From: Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>
Sent: Wednesday, September 9, 2020 11:46 AM
To: Amber L Groves <ALGroves@paalp.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>
Cc: rmann@slo.state.nm.us; David J. Adkins <dadkins@talonlpe.com>
Subject: NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E [External]

NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E

Ms. Groves,
The OCD has denied the submitted Site Characterization/Remediation Plan/ Closure Report C-141 for incident # NRM2012560155 MATADOR FLORENCE ST. 23 #202H @ N-23-23S-34E 0N 0E for the following reasons:

- Horizontal delineation/remediation has not been completed. The values for determination of horizontal impact are derived by either “background” value as determined appropriate to Rule 29, or, for chloride, 600 mg/Kg in soils. To determine the horizontal extent, a “clean” sample is required. For the sake of consistency, the Division will consider a sample “clean” if it meets the more stringent requirements listed in Table 1. For chloride values, natural background levels will be considered. Additional horizontal delineation/remediation efforts will be required @ sample points S.SW-2, ESW-2 & W.SW-2.
- On page 106, the report says:… ”the samples were analyzed for radioactive contamination”… Please clarify to which sample(s) the lab results shown from page 82 to page 120 belong to.

The Denied C-141 can be found in the online image file. Please review and make the required correction prior to resubmitting through the fee portal.
Thank you,

Victoria Venegas
State of New Mexico
Energy, Minerals, and Natural Resources
Oil Conservation Division
811 S. First St., Artesia NM 88210
(575) 748-1283
Victoria.Venegas@state.nm.us

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APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

Plains Marketing, L.P. Matador Florence St. 23 #202H

PHOTO DOCUMENTATION

Aerial of Impacted Areas

S4-S7 Excexcavation 1.5' Bgs.

S1-S3 Excavation 2.5' Bgs.

S4-S7 Backfilled

Location at completion (grade)

APPENDIX V

DISPOSAL MANIFESTS

Manifest #

Lazy Ace Landfarm

Lease Operator Information:

Name: Plains All American Pipeline

Address:

Phone #:

Originating Location of waste material:

Lease Name: Malaga Flowers Spill

Sec. _____ T _____ R _____

Transporter Information:

Name: Talon LPE

Address: 921 W Texas Ave

Phone #: 575 746 8768

Driver Signature: John Moore

Date: 1-2-20

Dump Truck # 1178

Non-Hazardous Hydro-Carbons: # of Yards: 24

Waste material placed in cell number: A8

Lazy Ace Landfarm, L.L.C.
P.O. Box 130
Eunice, NM 88231

Permit # NM 01-0041
W1/2SW1/4 S22T20SR34E

Contacts:
Danny Berry
(575) 393-6964 - Home
(575) 369-5266 - Cell

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations, exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Facility Representative: __________ Date: __________

White - Original Canary - Invoice Pink - Trucker

Manifest #

Lazy Ace Landfarm

Lease Operator Information:

Name: Plains Florence NM Trucks

Address: _____

Phone #: _____

Originating Location of waste material:

Lease Name: _____

Sec. _____ T. _____ R _____

Transporter Information:

Name: Talon LPE

Address: 408 W. Texas Ave Artesia NM 88210

Phone #: (575) 746-7768

Driver Signature: Michael Carter

Date: 10-2-2020

Non-Hazardous Hydro-Carbons:

11

Total Yards: 40

Waste material placed in cell number: _____

Lazy Ace Landfarm, LLLP
P.O. Box 130
Eunice, NM 88231

Permit # NM 01-0041
W1/2SW1/4 S22T20SR34E

Contacts:
Danny Berry
(575) 393-6964 - Home
(575) 369-5266 - Cell

" As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations, exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Facility Representative: _____ Date: _____

White - Original Canary - Invoice **Pink - Trucker**

Manifest #

Lazy Ace Landfarm

Lease Operator Information:

Name: Plains All American Pipeline

Address: _____

Phone #: _____

Originating Location of waste material:

Lease Name: Melodee Florence Spill

Sec. _____ T _____ R _____

Transporter Information:

Name: Talon LPE

Address: 408 W. Texas Ave, Artesia NM

Phone #: 575 746 8768

Driver Signature: John Moore

Date: 6-3-20

Dump Truck # 1178

Non-Hazardous Hydro-Carbons: Total Yards: 12

Waste material placed in cell number: A8

Lazy Ace Landfarm, LLLP
P.O. Box 130
Eunice, NM 88231

Permit # NM 01-0041
W1/2SW1/4 S22T20SR34E

Contacts:
Danny Berry
(575) 393-6964 - Home
(575) 369-5266 - Cell

" As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations, exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Facility Representative: _____ Date: _____

White - Original Canary - Invoice **Pink - Trucker**

Manifest #

Lazy Ace Landfarm

Lease Operator Information:

Name: PLAINS FLORENCE MATADOR

Address: _____

Phone #: _____

Originating Location of waste material:

Lease Name: _____

Sec. _____ T _____ R _____

Transporter Information:

Name: TALON LPG

Address: 409 W. TEXAS ARTESIA NM. 88210

Phone #: (575) 746 2768

Driver Signature: Michael Carter

Date: 6-3-2020

Non-Hazardous Hydro-Carbons: Total Yards: 20

Waste material placed in cell number: _____

Lazy Ace Landfarm, LLLP
P.O. Box 130
Eunice, NM 88231

Permit # NM 01-0041
W1/2SW1/4 S22T20SR34E

Contacts:
Danny Berry
(575) 393-6964 - Home
(575) 369-5266 - Cell

" As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations, exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Facility Representative: _____ Date: _____

White - Original Canary - Invoice **Pink - Trucker**

APPENDIX VI

LABORATORY DATA

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

PBELAB

Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: Plains Matador Florence St. 23 #202H
Project Number: 700376.508.01
Location: Lea County, NM

Lab Order Number: 0E11004

NELAP/TCEQ # T104704516-18-9

Report Date: 05/14/20

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1 @ 1'	0E11004-01	Soil	05/07/20 11:45	05-11-2020 13:47
N.SW @ 1'	0E11004-02	Soil	05/07/20 11:50	05-11-2020 13:47
S.SW @ 1'	0E11004-03	Soil	05/07/20 11:55	05-11-2020 13:47
E.SW @ 1'	0E11004-04	Soil	05/07/20 12:00	05-11-2020 13:47
W.SW @ 1'	0E11004-05	Soil	05/07/20 12:05	05-11-2020 13:47
S-1 @ 1.5'R	0E11004-06	Soil	05/07/20 14:00	05-11-2020 13:47
S.SW @ 1.5'R	0E11004-07	Soil	05/07/20 14:05	05-11-2020 13:47
N.SW @ 1.5'R	0E11004-08	Soil	05/07/20 14:10	05-11-2020 13:47
E.SW @ 1.5'R	0E11004-09	Soil	05/07/20 14:15	05-11-2020 13:47
W.SW @ 1.5'R	0E11004-10	Soil	05/07/20 14:20	05-11-2020 13:47
S-2 @ 1.5'R	0E11004-11	Soil	05/07/20 14:25	05-11-2020 13:47
S-3 @ 1.5'R	0E11004-12	Soil	05/07/20 14:30	05-11-2020 13:47
S-4 @ 1.5'R	0E11004-13	Soil	05/08/20 13:15	05-11-2020 13:47
S-5 @ 1.5'R	0E11004-14	Soil	05/08/20 13:20	05-11-2020 13:47
N.SW-2 @ 1.5'R	0E11004-15	Soil	05/08/20 13:25	05-11-2020 13:47
S.SW-2 @ 1.5'R	0E11004-16	Soil	05/08/20 13:30	05-11-2020 13:47
E.SW-2 @ 1.5'R	0E11004-17	Soil	05/08/20 13:35	05-11-2020 13:47
W.SW-2 @ 1.5'R	0E11004-18	Soil	05/08/20 13:40	05-11-2020 13:47

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S-1 @ 1'

0E11004-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.0217	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	0.272	0.0217	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	0.272	0.0217	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	1.02	0.0435	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	0.280	0.0217	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.9 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.9 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	26.5	1.09	mg/kg dry	1	P0E1203	05/12/20	05/12/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	47.2	27.2	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C12-C28	351	27.2	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C28-C35	54.3	27.2	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*112 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*119 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	453	27.2	mg/kg dry	1	[CALC]	05/12/20	05/12/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

N.SW @ 1'

0E11004-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	0.0361	0.0217	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	0.731	0.0217	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	0.662	0.0217	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	2.18	0.0435	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	0.607	0.0217	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*87.5 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*90.3 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	18.5	1.09	mg/kg dry	1	P0E1203	05/12/20	05/12/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	100	27.2	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C12-C28	615	27.2	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C28-C35	88.8	27.2	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	804	27.2	mg/kg dry	1	[CALC]	05/12/20	05/12/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S.SW @ 1'

0E11004-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	0.0609	0.0215	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	1.19	0.0215	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	1.05	0.0215	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	3.15	0.0430	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	0.945	0.0215	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.5 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*83.4 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	101	1.08	mg/kg dry	1	P0E1203	05/12/20	05/12/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	281	26.9	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C12-C28	2170	26.9	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C28-C35	310	26.9	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*121 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*117 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	2760	26.9	mg/kg dry	1	[CALC]	05/12/20	05/12/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

E.SW @ 1'

0E11004-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.0215	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	0.0772	0.0215	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	0.0406	0.0215	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	0.163	0.0430	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	0.0381	0.0215	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*83.8 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.6 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	21.1	1.08	mg/kg dry	1	P0E1203	05/12/20	05/12/20	EPA 300.0	
% Moisture	7.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	27.8	26.9	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C12-C28	424	26.9	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C28-C35	82.7	26.9	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	535	26.9	mg/kg dry	1	[CALC]	05/12/20	05/12/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

W.SW @ 1'

0E11004-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.0217	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	ND	0.0217	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	ND	0.0217	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	ND	0.0435	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	ND	0.0217	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.7 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*92.7 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	18.8	1.09	mg/kg dry	1	P0E1203	05/12/20	05/12/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C12-C28	61.6	27.2	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*86.6 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*94.0 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	61.6	27.2	mg/kg dry	1	[CALC]	05/12/20	05/12/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S-1 @ 1.5'R

0E11004-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	0.129	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	0.264	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	1.11	0.0412	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	0.321	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.1 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*91.8 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	89.8	1.03	mg/kg dry	1	P0E1203	05/12/20	05/12/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	158	25.8	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C12-C28	2170	25.8	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C28-C35	349	25.8	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	2680	25.8	mg/kg dry	1	[CALC]	05/12/20	05/12/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S.SW @ 1.5'R

0E11004-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	1.05	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	1.36	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	4.09	0.0412	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	1.37	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*88.4 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*112 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	270	1.03	mg/kg dry	1	P0E1203	05/12/20	05/12/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	476	25.8	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C12-C28	4890	25.8	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C28-C35	776	25.8	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*126 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	6140	25.8	mg/kg dry	1	[CALC]	05/12/20	05/12/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #2021H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

N.SW @ 1.5'R

0E11004-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	0.0957	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	0.134	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	0.556	0.0412	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	0.156	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*89.4 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*85.7 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	77.4	1.03	mg/kg dry	1	P0E1203	05/12/20	05/13/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	94.6	25.8	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C12-C28	1740	25.8	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
>C28-C35	311	25.8	mg/kg dry	1	P0E1204	05/12/20	05/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P0E1204*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	2140	25.8	mg/kg dry	1	[CALC]	05/12/20	05/12/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

E.SW @ 1.5'R

0E11004-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	0.123	0.0208	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	3.47	0.0208	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	3.96	0.0208	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	8.95	0.0417	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	3.17	0.0208	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*70.5 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.6 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	128	1.04	mg/kg dry	1	P0E1203	05/12/20	05/13/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	1250	130	mg/kg dry	5	P0E1204	05/12/20	05/13/20	TPH 8015M	
>C12-C28	7680	130	mg/kg dry	5	P0E1204	05/12/20	05/13/20	TPH 8015M	
>C28-C35	1340	130	mg/kg dry	5	P0E1204	05/12/20	05/13/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*112 %*	*70-130*		*P0E1204*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*124 %*	*70-130*		*P0E1204*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	10300	130	mg/kg dry	5	[CALC]	05/12/20	05/13/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

W.SW @ 1.5'R

0E11004-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	0.617	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	1.59	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	4.64	0.0412	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	1.64	0.0206	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*75.0 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.7 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	136	1.03	mg/kg dry	1	P0E1203	05/12/20	05/13/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	630	25.8	mg/kg dry	1	P0E1204	05/12/20	05/13/20	TPH 8015M	
>C12-C28	4650	25.8	mg/kg dry	1	P0E1204	05/12/20	05/13/20	TPH 8015M	
>C28-C35	776	25.8	mg/kg dry	1	P0E1204	05/12/20	05/13/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P0E1204*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P0E1204*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	6050	25.8	mg/kg dry	1	[CALC]	05/12/20	05/13/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S-2 @ 1.5'R

0E11004-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.0233	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	0.919	0.0233	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	1.27	0.0233	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	4.08	0.0465	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	1.28	0.0233	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*90.1 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	178	1.16	mg/kg dry	1	P0E1308	05/13/20	05/13/20	EPA 300.0	
% Moisture	14.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	419	29.1	mg/kg dry	1	P0E1206	05/12/20	05/12/20	TPH 8015M	
>C12-C28	4790	29.1	mg/kg dry	1	P0E1206	05/12/20	05/12/20	TPH 8015M	
>C28-C35	840	29.1	mg/kg dry	1	P0E1206	05/12/20	05/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*124 %*	*70-130*		*P0E1206*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*131 %*	*70-130*		*P0E1206*	*05/12/20*	*05/12/20*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	6050	29.1	mg/kg dry	1	[CALC]	05/12/20	05/12/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S-3 @ 1.5'R

0E11004-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	0.0238	0.0208	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	1.18	0.0208	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	1.42	0.0208	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	3.95	0.0417	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	1.26	0.0208	mg/kg dry	20	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.3 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	54.1	1.04	mg/kg dry	1	P0E1308	05/13/20	05/13/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	629	130	mg/kg dry	5	P0E1206	05/12/20	05/13/20	TPH 8015M	
>C12-C28	6350	130	mg/kg dry	5	P0E1206	05/12/20	05/13/20	TPH 8015M	
>C28-C35	1100	130	mg/kg dry	5	P0E1206	05/12/20	05/13/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*125 %*	*70-130*		*P0E1206*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*129 %*	*70-130*		*P0E1206*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	8090	130	mg/kg dry	5	[CALC]	05/12/20	05/13/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S-4 @ 1.5'R

0E11004-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	0.00395	0.00105	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	0.0140	0.00105	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	0.0276	0.00211	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	0.0239	0.00105	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 4-Bromafluorobenzene		*65.4 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.9 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	135	1.05	mg/kg dry	1	P0E1308	05/13/20	05/13/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	204	26.3	mg/kg dry	1	P0E1206	05/12/20	05/12/20	TPH 8015M	
>C12-C28	3990	26.3	mg/kg dry	1	P0E1206	05/12/20	05/12/20	TPH 8015M	
>C28-C35	686	26.3	mg/kg dry	1	P0E1206	05/12/20	05/12/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*123 %*	*70-130*		*P0E1206*	*05/12/20*	*05/12/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*135 %*	*70-130*		*P0E1206*	*05/12/20*	*05/12/20*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	4880	26.3	mg/kg dry	1	[CALC]	05/12/20	05/12/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S-5 @ 1.5'R

0E11004-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	0.00129	0.00108	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	0.00851	0.00215	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*91.8 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*92.6 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	961	1.08	mg/kg dry	1	P0E1308	05/13/20	05/13/20	EPA 300.0	
% Moisture	7.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P0E1206	05/12/20	05/13/20	TPH 8015M	
>C12-C28	751	26.9	mg/kg dry	1	P0E1206	05/12/20	05/13/20	TPH 8015M	
>C28-C35	172	26.9	mg/kg dry	1	P0E1206	05/12/20	05/13/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*117 %*	*70-130*		*P0E1206*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*131 %*	*70-130*		*P0E1206*	*05/12/20*	*05/13/20*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	923	26.9	mg/kg dry	1	[CALC]	05/12/20	05/13/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

N.SW-2 @ 1.5'R

0E11004-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Toluene	0.00231	0.00105	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Ethylbenzene	0.00134	0.00105	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (p/m)	0.0121	0.00211	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Xylene (o)	0.00480	0.00105	mg/kg dry	1	P0E1104	05/11/20	05/11/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*92.1 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*88.2 %*	*75-125*		*P0E1104*	*05/11/20*	*05/11/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	55.0	1.05	mg/kg dry	1	P0E1308	05/13/20	05/13/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	31.2	26.3	mg/kg dry	1	P0E1206	05/12/20	05/13/20	TPH 8015M	
>C12-C28	440	26.3	mg/kg dry	1	P0E1206	05/12/20	05/13/20	TPH 8015M	
>C28-C35	108	26.3	mg/kg dry	1	P0E1206	05/12/20	05/13/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*114 %*	*70-130*		*P0E1206*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*127 %*	*70-130*		*P0E1206*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	580	26.3	mg/kg dry	1	[CALC]	05/12/20	05/13/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S.SW-2 @ 1.5'R

0E11004-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Toluene	0.0457	0.00104	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Ethylbenzene	0.0607	0.00104	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Xylene (p/m)	0.157	0.00208	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Xylene (o)	0.0575	0.00104	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*97.1 %*	*75-125*		*P0E1104*	*05/11/20*	*05/12/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*65.0 %*	*75-125*		*P0E1104*	*05/11/20*	*05/12/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	1820	5.21	mg/kg dry	5	P0E1308	05/13/20	05/13/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	423	130	mg/kg dry	5	P0E1206	05/12/20	05/13/20	TPH 8015M	
>C12-C28	6850	130	mg/kg dry	5	P0E1206	05/12/20	05/13/20	TPH 8015M	
>C28-C35	1340	130	mg/kg dry	5	P0E1206	05/12/20	05/13/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*128 %*	*70-130*		*P0E1206*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*124 %*	*70-130*		*P0E1206*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	8620	130	mg/kg dry	5	[CALC]	05/12/20	05/13/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

E.SW-2 @ 1.5'R

0E11004-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Toluene	0.00544	0.00105	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Ethylbenzene	0.0102	0.00105	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Xylene (p/m)	0.0304	0.00211	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Xylene (o)	0.0135	0.00105	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.2 %*	*75-125*		*P0E1104*	*05/11/20*	*05/12/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*87.3 %*	*75-125*		*P0E1104*	*05/11/20*	*05/12/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	761	1.05	mg/kg dry	1	P0E1308	05/13/20	05/13/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	38.1	26.3	mg/kg dry	1	P0E1206	05/12/20	05/13/20	TPH 8015M	
>C12-C28	1470	26.3	mg/kg dry	1	P0E1206	05/12/20	05/13/20	TPH 8015M	
>C28-C35	345	26.3	mg/kg dry	1	P0E1206	05/12/20	05/13/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*110 %*	*70-130*		*P0E1206*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*126 %*	*70-130*		*P0E1206*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	1850	26.3	mg/kg dry	1	[CALC]	05/12/20	05/13/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

W.SW-2 @ 1.5'R

0E11004-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Toluene	0.00227	0.00106	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Ethylbenzene	0.00556	0.00106	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Xylene (p/m)	0.0308	0.00213	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Xylene (o)	0.0159	0.00106	mg/kg dry	1	P0E1104	05/11/20	05/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*75-125*		*P0E1104*	*05/11/20*	*05/12/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.2 %*	*75-125*		*P0E1104*	*05/11/20*	*05/12/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	355	1.06	mg/kg dry	1	P0E1308	05/13/20	05/13/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0E1201	05/12/20	05/12/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	68.2	26.6	mg/kg dry	1	P0E1206	05/12/20	05/13/20	TPH 8015M	
>C12-C28	1560	26.6	mg/kg dry	1	P0E1206	05/12/20	05/13/20	TPH 8015M	
>C28-C35	294	26.6	mg/kg dry	1	P0E1206	05/12/20	05/13/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*114 %*	*70-130*		*P0E1206*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*125 %*	*70-130*		*P0E1206*	*05/12/20*	*05/13/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	1930	26.6	mg/kg dry	1	[CALC]	05/12/20	05/13/20	calc	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

BTEX by 8021B - 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 P0E1104 - General Preparation (GC)										
Blank (P0E1104-BLK1)				Prepared & Analyzed: 05/11/20						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.107*		"	*0.120*		*88.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.3*	*75-125*			
LCS (P0E1104-BS1)				Prepared & Analyzed: 05/11/20						
Benzene	0.105	0.00100	mg/kg wet	0.100		105	70-130			
Toluene	0.104	0.00100	"	0.100		104	70-130			
Ethylbenzene	0.107	0.00100	"	0.100		107	70-130			
Xylene (p/m)	0.220	0.00200	"	0.200		110	70-130			
Xylene (o)	0.106	0.00100	"	0.100		106	70-130			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*96.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.7*	*75-125*			
LCS Dup (P0E1104-BSD1)				Prepared & Analyzed: 05/11/20						
Benzene	0.107	0.00100	mg/kg wet	0.100		107	70-130	2.52	20	
Toluene	0.108	0.00100	"	0.100		108	70-130	4.12	20	
Ethylbenzene	0.111	0.00100	"	0.100		111	70-130	3.56	20	
Xylene (p/m)	0.226	0.00200	"	0.200		113	70-130	2.83	20	
Xylene (o)	0.112	0.00100	"	0.100		112	70-130	5.67	20	
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.7*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*96.1*	*75-125*			
Calibration Blank (P0E1104-CCB1)				Prepared & Analyzed: 05/11/20						
Benzene	0.00		mg/kg wet							
Toluene	0.950		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.440		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*91.0*	*75-125*			

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

BTEX by 8021B - 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 P0E1104 - General Preparation (GC)										
Calibration Blank (P0E1104-CCB2)				Prepared & Analyzed: 05/11/20						
Benzene	0.00		mg/kg wet							
Toluene	1.29		"							
Ethylbenzene	0.590		"							
Xylene (p/m)	1.25		"							
Xylene (o)	0.360		"							
Surrogate: 1,4-Difluorobenzene	*0.110*		"	*0.120*		*91.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*92.0*	*75-125*			
Calibration Check (P0E1104-CCV1)				Prepared & Analyzed: 05/11/20						
Benzene	0.106	0.00100	mg/kg wet	0.100		106	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.111*		"	*0.120*		*92.7*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.8*	*75-125*			
Calibration Check (P0E1104-CCV2)				Prepared & Analyzed: 05/11/20						
Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.209	0.00200	"	0.200		105	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*92.9*	*75-125*			
Calibration Check (P0E1104-CCV3)				Prepared: 05/11/20 Analyzed: 05/12/20						
Benzene	0.105	0.00100	mg/kg wet	0.100		105	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.111*		"	*0.120*		*92.7*	*75-125*			

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

BTEX by 8021B - 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 P0E1104 - General Preparation (GC)										
Matrix Spike (P0E1104-MS1)	Source: 0E11004-18			Prepared: 05/11/20 Analyzed: 05/12/20						
Benzene	0.0784	0.00106	mg/kg dry	0.106	ND	73.7	80-120			
Toluene	0.0643	0.00106	"	0.106	0.00227	58.5	80-120			
Ethylbenzene	0.0554	0.00106	"	0.106	0.00556	46.9	80-120			
Xylene (p/m)	0.110	0.00213	"	0.213	0.0308	37.5	80-120			
Xylene (o)	0.0525	0.00106	"	0.106	0.0159	34.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.123*		"	*0.128*		*96.5*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.126*		"	*0.128*		*98.9*	*75-125*			
Matrix Spike Dup (P0E1104-MSD1)	Source: 0E11004-18			Prepared: 05/11/20 Analyzed: 05/12/20						
Benzene	0.0843	0.00106	mg/kg dry	0.106	ND	79.3	80-120	7.23	20	
Toluene	0.0681	0.00106	"	0.106	0.00227	61.9	80-120	5.58	20	
Ethylbenzene	0.0579	0.00106	"	0.106	0.00556	49.2	80-120	4.77	20	
Xylene (p/m)	0.109	0.00213	"	0.213	0.0308	36.9	80-120	1.47	20	
Xylene (o)	0.0705	0.00106	"	0.106	0.0159	51.3	80-120	39.4	20	
Surrogate: 1,4-Difluorobenzene	*0.125*		"	*0.128*		*97.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.128*		*92.9*	*75-125*			

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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 P0E1201 - * DEFAULT PREP *** **										
Blank (P0E1201-BLK1)				Prepared & Analyzed: 05/12/20						
% Moisture	ND	0.1	%							
Duplicate (P0E1201-DUP1)	Source: 0E11004-14			Prepared & Analyzed: 05/12/20						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P0E1201-DUP2)	Source: 0E11004-18			Prepared & Analyzed: 05/12/20						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Batch P0E1203 - * DEFAULT PREP *** **										
Blank (P0E1203-BLK1)				Prepared & Analyzed: 05/12/20						
Chloride	ND	0.100	mg/kg wet							
LCS (P0E1203-BS1)				Prepared & Analyzed: 05/12/20						
Chloride	398	1.00	mg/kg wet	400		99.5	80-120			
LCS Dup (P0E1203-BSD1)				Prepared & Analyzed: 05/12/20						
Chloride	402	1.00	mg/kg wet	400		100	80-120	0.960	20	
Calibration Blank (P0E1203-CCB1)				Prepared & Analyzed: 05/12/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0E1203-CCB2)				Prepared & Analyzed: 05/12/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0E1203-CCV1)				Prepared & Analyzed: 05/12/20						
Chloride	20.2		mg/kg	20.0		101	0-200			

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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 P0E1203 - * DEFAULT PREP *****										
Calibration Check (P0E1203-CCV2)				Prepared & Analyzed: 05/12/20						
Chloride	20.2		mg/kg	20.0		101	0-200			
Calibration Check (P0E1203-CCV3)				Prepared: 05/12/20 Analyzed: 05/13/20						
Chloride	20.3		mg/kg	20.0		102	0-200			
Matrix Spike (P0E1203-MS1)	Source: 0E08009-22			Prepared & Analyzed: 05/12/20						
Chloride	12200	29.4	mg/kg dry	2940	8660	121	80-120			QM-05
Matrix Spike (P0E1203-MS2)	Source: 0E11004-01			Prepared & Analyzed: 05/12/20						
Chloride	576	1.09	mg/kg dry	543	26.5	101	80-120			
Matrix Spike Dup (P0E1203-MSD1)	Source: 0E08009-22			Prepared & Analyzed: 05/12/20						
Chloride	12100	29.4	mg/kg dry	2940	8660	117	80-120	0.895	20	
Matrix Spike Dup (P0E1203-MSD2)	Source: 0E11004-01			Prepared & Analyzed: 05/12/20						
Chloride	533	1.09	mg/kg dry	543	26.5	93.2	80-120	7.76	20	
Batch P0E1308 - * DEFAULT PREP *****										
Blank (P0E1308-BLK1)				Prepared & Analyzed: 05/13/20						
Chloride	ND	0.100	mg/kg wet							
LCS (P0E1308-BS1)				Prepared & Analyzed: 05/13/20						
Chloride	401	1.00	mg/kg wet	400		100	80-120			
LCS Dup (P0E1308-BSD1)				Prepared & Analyzed: 05/13/20						
Chloride	402	1.00	mg/kg wet	400		100	80-120	0.214	20	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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 P0E1308 - * DEFAULT PREP *****										
Calibration Blank (P0E1308-CCB1)				Prepared & Analyzed: 05/13/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0E1308-CCB2)				Prepared & Analyzed: 05/13/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0E1308-CCV1)				Prepared & Analyzed: 05/13/20						
Chloride	20.1		mg/kg	20.0		101	0-200			
Calibration Check (P0E1308-CCV2)				Prepared & Analyzed: 05/13/20						
Chloride	20.2		mg/kg	20.0		101	0-200			
Calibration Check (P0E1308-CCV3)				Prepared & Analyzed: 05/13/20						
Chloride	20.6		mg/kg	20.0		103	0-200			
Matrix Spike (P0E1308-MS1)	Source: 0E11004-16			Prepared & Analyzed: 05/13/20						
Chloride	2370	5.21	mg/kg dry	521	1820	106	80-120			
Matrix Spike (P0E1308-MS2)	Source: 0E12007-01			Prepared & Analyzed: 05/13/20						
Chloride	3210	10.3	mg/kg dry	1030	2080	109	80-120			
Matrix Spike Dup (P0E1308-MSD1)	Source: 0E11004-16			Prepared & Analyzed: 05/13/20						
Chloride	2360	5.21	mg/kg dry	521	1820	104	80-120	0.408	20	
Matrix Spike Dup (P0E1308-MSD2)	Source: 0E12007-01			Prepared & Analyzed: 05/13/20						
Chloride	3190	10.3	mg/kg dry	1030	2080	107	80-120	0.713	20	

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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 P0E1204 - TX 1005										
Blank (P0E1204-BLK1)				Prepared & Analyzed: 05/12/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*98.2*		"	*100*		*98.2*	*70-130*			
Surrogate: o-Terphenyl	*51.0*		"	*50.0*		*102*	*70-130*			
LCS (P0E1204-BS1)				Prepared & Analyzed: 05/12/20						
C6-C12	1050	25.0	mg/kg wet	1000		105	75-125			
>C12-C28	1130	25.0	"	1000		113	75-125			
Surrogate: 1-Chlorooctane	*113*		"	*100*		*113*	*70-130*			
Surrogate: o-Terphenyl	*45.8*		"	*50.0*		*91.5*	*70-130*			
LCS Dup (P0E1204-BSD1)				Prepared & Analyzed: 05/12/20						
C6-C12	994	25.0	mg/kg wet	1000		99.4	75-125	5.16	20	
>C12-C28	1090	25.0	"	1000		109	75-125	3.37	20	
Surrogate: 1-Chlorooctane	*108*		"	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*44.2*		"	*50.0*		*88.3*	*70-130*			
Calibration Blank (P0E1204-CCB1)				Prepared & Analyzed: 05/12/20						
C6-C12	4.73		mg/kg wet							
>C12-C28	15.6		"							
Surrogate: 1-Chlorooctane	*99.8*		"	*100*		*99.8*	*70-130*			
Surrogate: o-Terphenyl	*51.7*		"	*50.0*		*103*	*70-130*			
Calibration Blank (P0E1204-CCB2)				Prepared & Analyzed: 05/12/20						
C6-C12	8.47		mg/kg wet							
>C12-C28	14.3		"							
Surrogate: 1-Chlorooctane	*103*		"	*100*		*103*	*70-130*			
Surrogate: o-Terphenyl	*51.4*		"	*50.0*		*103*	*70-130*			

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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 P0E1204 - TX 1005										
Calibration Check (P0E1204-CCV1)				Prepared & Analyzed: 05/12/20						
C6-C12	533	25.0	mg/kg wet	500		107	85-115			
>C12-C28	470	25.0	"	500		94.1	85-115			
Surrogate: 1-Chlorooctane	*106*		"	*100*		*106*	*70-130*			
Surrogate: o-Terphenyl	*47.5*		"	*50.0*		*95.0*	*70-130*			
Calibration Check (P0E1204-CCV2)				Prepared & Analyzed: 05/12/20						
C6-C12	549	25.0	mg/kg wet	500		110	85-115			
>C12-C28	562	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	*104*		"	*100*		*104*	*70-130*			
Surrogate: o-Terphenyl	*48.1*		"	*50.0*		*96.1*	*70-130*			
Calibration Check (P0E1204-CCV3)				Prepared: 05/12/20 Analyzed: 05/13/20						
C6-C12	537	25.0	mg/kg wet	500		107	85-115			
>C12-C28	538	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	*102*		"	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*46.4*		"	*50.0*		*92.9*	*70-130*			
Matrix Spike (P0E1204-MS1)	Source: 0E11004-01			Prepared: 05/12/20 Analyzed: 05/13/20						
C6-C12	1170	27.2	mg/kg dry	1090	47.2	103	75-125			
>C12-C28	1200	27.2	"	1090	351	78.5	75-125			
Surrogate: 1-Chlorooctane	*131*		"	*109*		*120*	*70-130*			
Surrogate: o-Terphenyl	*61.2*		"	*54.3*		*113*	*70-130*			
Matrix Spike Dup (P0E1204-MSD1)	Source: 0E11004-01			Prepared: 05/12/20 Analyzed: 05/13/20						
C6-C12	1110	27.2	mg/kg dry	1090	47.2	97.9	75-125	5.42	20	
>C12-C28	1240	27.2	"	1090	351	81.5	75-125	3.85	20	
Surrogate: 1-Chlorooctane	*135*		"	*109*		*124*	*70-130*			
Surrogate: o-Terphenyl	*63.7*		"	*54.3*		*117*	*70-130*			

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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 P0E1206 - TX 1005										
Blank (P0E1206-BLK1)				Prepared & Analyzed: 05/12/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*117*		"	*100*		*117*	*70-130*			
Surrogate: o-Terphenyl	*63.5*		"	*50.0*		*127*	*70-130*			
LCS (P0E1206-BS1)				Prepared & Analyzed: 05/12/20						
C6-C12	1150	25.0	mg/kg wet	1000		115	75-125			
>C12-C28	1190	25.0	"	1000		119	75-125			
Surrogate: 1-Chlorooctane	*119*		"	*100*		*119*	*70-130*			
Surrogate: o-Terphenyl	*58.4*		"	*50.0*		*117*	*70-130*			
LCS Dup (P0E1206-BSD1)				Prepared & Analyzed: 05/12/20						
C6-C12	1180	25.0	mg/kg wet	1000		118	75-125	2.22	20	
>C12-C28	1230	25.0	"	1000		123	75-125	3.37	20	
Surrogate: 1-Chlorooctane	*127*		"	*100*		*127*	*70-130*			
Surrogate: o-Terphenyl	*56.0*		"	*50.0*		*112*	*70-130*			
Calibration Blank (P0E1206-CCB1)				Prepared & Analyzed: 05/12/20						
C6-C12	16.6		mg/kg wet							
>C12-C28	10.7		"							
Surrogate: 1-Chlorooctane	*113*		"	*100*		*113*	*70-130*			
Surrogate: o-Terphenyl	*59.9*		"	*50.0*		*120*	*70-130*			
Calibration Blank (P0E1206-CCB2)				Prepared: 05/12/20 Analyzed: 05/13/20						
C6-C12	20.0		mg/kg wet							
>C12-C28	19.7		"							
Surrogate: 1-Chlorooctane	*108*		"	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*57.1*		"	*50.0*		*114*	*70-130*			

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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 P0E1206 - TX 1005										
Calibration Check (P0E1206-CCV1)				Prepared & Analyzed: 05/12/20						
C6-C12	525	25.0	mg/kg wet	500		105	85-115			
>C12-C28	534	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	*107*		"	*100*		*107*	*70-130*			
Surrogate: o-Terphenyl	*54.8*		"	*50.0*		*110*	*70-130*			
Calibration Check (P0E1206-CCV2)				Prepared: 05/12/20 Analyzed: 05/13/20						
C6-C12	513	25.0	mg/kg wet	500		103	85-115			
>C12-C28	556	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	*105*		"	*100*		*105*	*70-130*			
Surrogate: o-Terphenyl	*52.8*		"	*50.0*		*106*	*70-130*			
Calibration Check (P0E1206-CCV3)				Prepared: 05/12/20 Analyzed: 05/13/20						
C6-C12	537	25.0	mg/kg wet	500		107	85-115			
>C12-C28	548	25.0	"	500		110	85-115			
Surrogate: 1-Chlorooctane	*109*		"	*100*		*109*	*70-130*			
Surrogate: o-Terphenyl	*55.3*		"	*50.0*		*111*	*70-130*			

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
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: Brent Barron Date: 5/14/2020

Brent Barron, Laboratory Director/Technical Director

Talon LPE	Project: Plains Matador Florence St. 23 #202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Page 33 of 34

Project Manager: D. ADKINS
Company Name: TALON LPE
Company Address: 408 W. TEXAS AVE
City/State/Zip: ARTESIA NM 88210
Telephone No: 575-746-8768
Fax No:
Sampler Signature: [signature]
e-mail: dadkins@talonlpe.com

Project Name: MATADOR FLORENCE St. 23 #202H
Project #: 700376.508.01
Project Loc: LEA COUNTY NM
PO #: 2020-043
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 0E11004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO₃	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW=Drinking Water SL=Sludge, GW = Groundwater S=Soil/Solid, NP=Non-Potable Specify Other)	TPH: TX 1005 TX 1006	Anions (Cl) SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	TPH 8015M	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
	S-1		1'	5-7-2020	11:45 am			✓								Soil		✓	✓	✓		X
	N.SW		1'		11:50 am																	
	S.SW		1'		11:55 am																	
	E.SW		1'		12:00 pm																	
	W.SW		1'		12:05 pm																	
	S-1		1.5'R		2:00 pm																	
	S.SW		1.5'R		2:05 pm																	
	N.SW		1.5'R		2:10 pm																	
	E.SW		1.5'R		2:15 pm																	
	W.SW		1.5'R	5-7-2020	2:20 pm			✓								Soil		✓	✓	✓		

Analyze For: TCLP: TOTAL:

Special Instructions:
BILL TO AMBER GROVES AT PLAINS ALL AMERICAN PIPELINE
CC DAVID ADKINS LAB RESULTS AS WELL AS MYSELF
(dadkins@talonlpe.com)
MCOLLIER@talonlpe.com

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	5/11/20	13:47			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBELAB: [signature]	5/11/20	13:47

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 5 °C CF+1
Adjusted: 6 °C Factor: 12

L CK

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Phone: 432-686-7235

Project Manager: D. ADKINS
Project Name: MATADOR FLORENCE St. 23 #202H
Company Name: TALON LPE
Project #: 700370.508.01
Company Address: 408 W. TEXAS AVE
Project Loc: LEA COUNTY NM
City/State/Zip: ARTESIA NM 88210
PO #: 2020-043
Telephone No: 575-746-8768
Fax No:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
Sampler Signature: MLL
e-mail: dadkins@talonlpe.com

(lab use only)
ORDER #: 0E11004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: TX 1005	TPH TX 1005	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	TPH 8015 M	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
	S-2		1.5'R	5-7-2020	2:25 pm			✓								SOIL			✓	✓	✓		✓
	S-3		1.5'R	5-7-2020	2:30 pm																		
	S-4		1.5'R	5-8-2020	1:15 pm																		
	S-5		1.5'R		1:20 pm																		
	N.SW-2		1.5'R		1:25 pm																		
	S.SW-2		1.5'R		1:30 pm																		
	E.SW-2		1.5'R		1:35 pm																		
	W.SW-2		1.5'R	5-8-2020	1:40 pm			✓								SOIL			✓	✓	✓		✓

Special Instructions:
CC DAVID ADKINS LAB RESULTS AS WELL AS @(dadkins@talonLPE.com)
BILL TO AMBER GROVES AT PLAINS ALL AMERICAN PIPELINE. MYSELF MCOLLIER@talonLPE.com

Relinquished by:	Date	Time	Received by:	Date	Time
MLL	5/11/20	13:47			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Dana Bledsoe	5/11/20	13:47

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)		N
Sample Hand Delivered	Y	N
by Sampler/Client Rep.?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: 5 °C
Adjusted: 6 °C
CF: +1
°C Factor: 1.2

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

PBELAB

Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: Matador Florence ST. 23 202H
Project Number: 700376.508.01
Location: Lea County, NM

Lab Order Number: 0E20016

NELAP/TCEQ # T104704516-18-9

Report Date: 05/28/20

Talon LPE	Project: Matador Florence ST. 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1 @ 2.5'	0E20016-01	Soil	05/19/20 09:50	05-20-2020 15:29
S-2 @ 2.5'	0E20016-02	Soil	05/19/20 10:00	05-20-2020 15:29
S-3 @ 2.5'	0E20016-03	Soil	05/19/20 10:20	05-20-2020 15:29
S-4 @ 2.5'	0E20016-04	Soil	05/19/20 10:50	05-20-2020 15:29
N. SW @ 1.5'	0E20016-05	Soil	05/19/20 11:40	05-20-2020 15:29
S. SW @ 1.5'	0E20016-06	Soil	05/19/20 10:50	05-20-2020 15:29
E. SW @ 1.5'	0E20016-07	Soil	05/19/20 11:50	05-20-2020 15:29
W. SW @ 1.5'	0E20016-08	Soil	05/19/20 11:10	05-20-2020 15:29
S-6 @ 1.5'	0E20016-09	Soil	05/19/20 13:00	05-20-2020 15:29
S-7 @ 1.5'	0E20016-10	Soil	05/19/20 13:35	05-20-2020 15:29
S.SW-2 @ 1.5'	0E20016-11	Soil	05/19/20 14:00	05-20-2020 15:29
E.SW-2 @ 1.5'	0E20016-12	Soil	05/19/20 13:30	05-20-2020 15:29
W.SW-2 @ 1.5'	0E20016-13	Soil	05/19/20 13:10	05-20-2020 15:29

Talon LPE	Project: Matador Florence ST. 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S-1 @ 2.5'

0E20016-01 (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	8.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C12-C28	65.9	27.2	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C28-C35	36.4	27.2	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.4 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	102	27.2	mg/kg dry	1	[CALC]	05/21/20	05/21/20	calc	

Talon LPE	Project: Matador Florence ST. 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S-2 @ 2.5'

0E20016-02 (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									
% Moisture	13.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.7	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.6 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*106 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	05/21/20	05/21/20	calc	

Talon LPE	Project: Matador Florence ST. 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S-3 @ 2.5'

0E20016-03 (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									
% Moisture	9.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.4 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	05/21/20	05/21/20	calc	

Talon LPE	Project: Matador Florence ST 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S-4 @ 2.5'

0E20016-04 (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									
% Moisture	8.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.9 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	05/21/20	05/21/20	calc	

Talon LPE	Project: Matador Florence ST. 23 2021I	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

N. SW @ 1.5'

0E20016-05 (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									
% Moisture	7.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.4 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/21/20	05/21/20	calc	

Talon LPE	Project: Matador Florence ST. 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S. SW @ 1.5'

0E20016-06 (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									
% Moisture	6.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.1 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/21/20	05/21/20	calc	

Talon LPE	Project: Matador Florence ST. 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

E. SW @ 1.5'

0E20016-07 (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									
% Moisture	7.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C12-C28	34.6	26.9	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.4 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	34.6	26.9	mg/kg dry	1	[CALC]	05/21/20	05/21/20	calc	

Talon LPE	Project: Matador Florence ST 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

W. SW @ 1.5'

0E20016-08 (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									
% Moisture	5.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C12-C28	77.1	26.3	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E2105	05/21/20	05/21/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.5 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P0E2105*	*05/21/20*	*05/21/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	77.1	26.3	mg/kg dry	1	[CALC]	05/21/20	05/21/20	calc	

Talon LPE	Project: Matador Florence ST. 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S-6 @ 1.5'

0E20016-09 (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									
% Moisture	9.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
>C12-C28	39.5	27.5	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P0E2107*	*05/21/20*	*05/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*119 %*	*70-130*		*P0E2107*	*05/21/20*	*05/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	39.5	27.5	mg/kg dry	1	[CALC]	05/21/20	05/23/20	calc	

Talon LPE	Project: Matador Florence ST. 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S-7 @ 1.5'

0E20016-10 (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	8.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
>C12-C28	58.5	27.2	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.1 %*	*70-130*		*P0E2107*	*05/21/20*	*05/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P0E2107*	*05/21/20*	*05/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	58.5	27.2	mg/kg dry	1	[CALC]	05/21/20	05/23/20	calc	

Talon LPE	Project: Matador Florence ST. 23 2021I	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

S.SW-2 @ 1.5'

0E20016-11 (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									
% Moisture	2.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
>C12-C28	536	25.5	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
>C28-C35	102	25.5	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.8 %*	*70-130*		*P0E2107*	*05/21/20*	*05/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*2.40 %*	*70-130*		*P0E2107*	*05/21/20*	*05/23/20*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	637	25.5	mg/kg dry	1	[CALC]	05/21/20	05/23/20	calc	

Talon LPE	Project: Matador Florence ST 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

E.SW-2 @ 1.5'

0E20016-12 (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	6.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
>C12-C28	874	26.6	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
>C28-C35	179	26.6	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P0E2107*	*05/21/20*	*05/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*117 %*	*70-130*		*P0E2107*	*05/21/20*	*05/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	1050	26.6	mg/kg dry	1	[CALC]	05/21/20	05/23/20	calc	

Talon LPE	Project: Matador Florence ST. 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

W.SW-2 @ 1.5'

0E20016-13 (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									
% Moisture	4.0	0.1	%	1	P0E2103	05/21/20	05/21/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
>C12-C28	186	26.0	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
>C28-C35	48.1	26.0	mg/kg dry	1	P0E2107	05/21/20	05/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.5 %*	*70-130*		*P0E2107*	*05/21/20*	*05/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P0E2107*	*05/21/20*	*05/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	234	26.0	mg/kg dry	1	[CALC]	05/21/20	05/23/20	calc	

Talon LPE	Project: Matador Florence ST. 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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 P0E2103 - * DEFAULT PREP *****										
Blank (P0E2103-BLK1)				Prepared & Analyzed: 05/21/20						
% Moisture	ND	0.1	%							
Duplicate (P0E2103-DUP1)		Source: 0E20004-01		Prepared & Analyzed: 05/21/20						
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P0E2103-DUP2)		Source: 0E20010-06		Prepared & Analyzed: 05/21/20						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0E2103-DUP3)		Source: 0E20012-13		Prepared & Analyzed: 05/21/20						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P0E2103-DUP4)		Source: 0E20015-01		Prepared & Analyzed: 05/21/20						
% Moisture	6.0	0.1	%		5.0			18.2	20	

Talon LPE	Project: Matador Florence ST. 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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 P0E2105 - TX 1005										
Blank (P0E2105-BLK1)				Prepared & Analyzed: 05/21/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*110*		"	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*59.0*		"	*50.0*		*118*	*70-130*			
LCS (P0E2105-BS1)				Prepared & Analyzed: 05/21/20						
C6-C12	1150	25.0	mg/kg wet	1000		115	75-125			
>C12-C28	1230	25.0	"	1000		123	75-125			
Surrogate: 1-Chlorooctane	*105*		"	*100*		*105*	*70-130*			
Surrogate: o-Terphenyl	*57.7*		"	*50.0*		*115*	*70-130*			
LCS Dup (P0E2105-BSD1)				Prepared & Analyzed: 05/21/20						
C6-C12	1060	25.0	mg/kg wet	1000		106	75-125	7.90	20	
>C12-C28	1190	25.0	"	1000		119	75-125	2.70	20	
Surrogate: 1-Chlorooctane	*129*		"	*100*		*129*	*70-130*			
Surrogate: o-Terphenyl	*54.9*		"	*50.0*		*110*	*70-130*			
Calibration Blank (P0E2105-CCB1)				Prepared & Analyzed: 05/21/20						
C6-C12	9.15		mg/kg wet							
>C12-C28	19.6		"							
Surrogate: 1-Chlorooctane	*115*		"	*100*		*115*	*70-130*			
Surrogate: o-Terphenyl	*63.4*		"	*50.0*		*127*	*70-130*			
Calibration Check (P0E2105-CCV1)				Prepared & Analyzed: 05/21/20						
C6-C12	532	25.0	mg/kg wet	500		106	85-115			
>C12-C28	550	25.0	"	500		110	85-115			
Surrogate: 1-Chlorooctane	*118*		"	*100*		*118*	*70-130*			
Surrogate: o-Terphenyl	*56.3*		"	*50.0*		*113*	*70-130*			

Talon LPE	Project: Matador Florence ST 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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 P0E2105 - TX 1005										
Duplicate (P0E2105-DUP1)	Source: 0E20016-08			Prepared & Analyzed: 05/21/20						
C6-C12	ND	26.3	mg/kg dry		10.8				20	
>C12-C28	82.7	26.3	"		77.1			7.05	20	
Surrogate: 1-Chlorooctane	*106*		"	*105*		*101*	*70-130*			
Surrogate: o-Terphenyl	*59.4*		"	*52.6*		*113*	*70-130*			
Batch P0E2107 - TX 1005										
Blank (P0E2107-BLK1)				Prepared: 05/21/20 Analyzed: 05/23/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*110*		"	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*59.5*		"	*50.0*		*119*	*70-130*			
LCS (P0E2107-BS1)				Prepared: 05/21/20 Analyzed: 05/23/20						
C6-C12	1130	25.0	mg/kg wet	1000		113	75-125			
>C12-C28	1250	25.0	"	1000		125	75-125			
Surrogate: 1-Chlorooctane	*125*		"	*100*		*125*	*70-130*			
Surrogate: o-Terphenyl	*58.5*		"	*50.0*		*117*	*70-130*			
LCS Dup (P0E2107-BSD1)				Prepared: 05/21/20 Analyzed: 05/23/20						
C6-C12	1120	25.0	mg/kg wet	1000		112	75-125	0.861	20	
>C12-C28	1240	25.0	"	1000		124	75-125	0.667	20	
Surrogate: 1-Chlorooctane	*125*		"	*100*		*125*	*70-130*			
Surrogate: o-Terphenyl	*57.2*		"	*50.0*		*114*	*70-130*			
Calibration Blank (P0E2107-CCB1)				Prepared: 05/21/20 Analyzed: 05/23/20						
C6-C12	9.44		mg/kg wet							
>C12-C28	6.34		"							
Surrogate: 1-Chlorooctane	*110*		"	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*59.5*		"	*50.0*		*119*	*70-130*			

Talon LPE	Project: Matador Florence ST 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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 P0E2107 - TX 1005										
Calibration Blank (P0E2107-CCB2)				Prepared: 05/21/20 Analyzed: 05/23/20						
C6-C12	12.0		mg/kg wet							
>C12-C28	11.5		"							
Surrogate: 1-Chlorooctane	*104*		"	*100*		*104*	*70-130*			
Surrogate: o-Terphenyl	*56.4*		"	*50.0*		*113*	*70-130*			
Calibration Check (P0E2107-CCV1)				Prepared: 05/21/20 Analyzed: 05/23/20						
C6-C12	551	25.0	mg/kg wet	500		110	85-115			
>C12-C28	564	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	*121*		"	*100*		*121*	*70-130*			
Surrogate: o-Terphenyl	*55.5*		"	*50.0*		*111*	*70-130*			
Calibration Check (P0E2107-CCV2)				Prepared: 05/21/20 Analyzed: 05/23/20						
C6-C12	546	25.0	mg/kg wet	500		109	85-115			
>C12-C28	559	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	*122*		"	*100*		*122*	*70-130*			
Surrogate: o-Terphenyl	*56.6*		"	*50.0*		*113*	*70-130*			
Calibration Check (P0E2107-CCV3)				Prepared: 05/21/20 Analyzed: 05/24/20						
C6-C12	507	25.0	mg/kg wet	500		101	85-115			
>C12-C28	540	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	*115*		"	*100*		*115*	*70-130*			
Surrogate: o-Terphenyl	*51.6*		"	*50.0*		*103*	*70-130*			
Matrix Spike (P0E2107-MS1)	**Source: 0E21004-04**			Prepared: 05/21/20 Analyzed: 05/24/20						
C6-C12	1120	25.0	mg/kg dry	1000	18.3	111	75-125			
>C12-C28	1230	25.0	"	1000	ND	123	75-125			
Surrogate: 1-Chlorooctane	*113*		"	*100*		*113*	*70-130*			
Surrogate: o-Terphenyl	*44.6*		"	*50.0*		*89.3*	*70-130*			

Talon LPE	Project: Matador Florence ST 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

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 P0E2107 - TX 1005										
Matrix Spike Dup (P0E2107-MSD1)	**Source: 0E21004-04**			**Prepared: 05/21/20 Analyzed: 05/24/20**						
C6-C12	1110	25.0	mg/kg dry	1000	18.3	109	75-125	1.31	20	
>C12-C28	1230	25.0	"	1000	ND	123	75-125	0.742	20	
Surrogate: 1-Chlorooctane	*111*		"	*100*		*111*	*70-130*			
Surrogate: o-Terphenyl	*44.3*		"	*50.0*		*88.6*	*70-130*			

Talon LPE	Project: Matador Florence ST 23 202H	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: 700376.508.01	
Midland TX, 79706	Project Manager: David Adkins	

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
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: Brent Barron Date: 5/28/2020

Brent Barron, Laboratory Director/Technical Director

LL2 CK

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Phone: 432-686-7235

Project Manager: D. ADKINS
Company Name: Talon / LPE
Company Address: 408 W. Texas Ave.
City/State/Zip: Artesia, NM 88210
Telephone No: 575-441-4935 Fax No:
Sampler Signature:
e-mail: algroves@paalp.com dadkins@talonlpe.com

Project Name: Matador Florence St 23 202
Project #: 200376.508.01
Project Loc: Lea Co, NM
PO #: 2020-043
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 0E700116

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW=Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	TCLP: TOTAL:	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	S-1 2.5'		2.5'	5/19/20	0950																✓			X
2	S-2 2.5'		2.5'		1000																✓			
3	S-3 2.5'		2.5'		1020																✓			
4	S-4 2.5'		2.5'		1050																✓			
5	N. SW 1.5'		1.5'		1140																✓			
6	S. SW 1.5'		1.5'		1050																✓			
7	E. SW 1.5'		1.5'		1150																✓			
8	W. SW 1.5'		1.5'		1110																✓			
9	S-6 1.5'		1.5'		1 pm																✓			
10	S-7 1.5'		1.5'		135 pm																✓			

Special Instructions:
Bill: Plains All American, Amber Groves

P: 1 of 2.

Relinquished by:	Date	Time	Received by:	Date	Time
	5-20-20	11:20	Bill Rogers	5/20/20	15:29
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				5/20/20	15:29

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep.?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: 12 °C CF +1
Adjusted: 13 °C Factor LL

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Phone: 432-686-7235

Page 23 of 23

Project Manager: D-ADKWS
Company Name: Talon /LPE
Company Address: 408 W. Texas Ave.
City/State/Zip: Artesia, NM 88210
Telephone No: 575-441-4835
Fax No:
Sampler Signature: M Collins
e-mail: algroves@paalp.com, dadkins@talonlpe.com

Project Name: Matador Floreuce St.23-2 H
Project #: 700376.508.01
Project Loc: Lea Co., NM
PO #: 2020-043
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: OE20016

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other)	TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	TPH (8015M)	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
11	S.SW-2, 1.5'		1.5'	5/19/20	2 pm		1	✓								S				✓		X
12	E.SW-2, 1.5'		1.5'	5/19/20	130pm		1	✓								S				✓		|
13	W.SW-2. 1.5'		1.5'	5/19/20	110 pm		1	✓								S				✓		|

Analyze For: TCLP: TOTAL:

Special Instructions:
p. 2 of 2.

Relinquished by:	Date	Time	Received by:	Date	Time
M Collins	5-20-20	11:20AM	Bill Biggs	5/20/20	15:29
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Teena Bledsoe	5/20/20	15:29

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 4.3 °C CF+1
Adjusted: 3.3 °C Factor: -1.2

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
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CONDITIONS

Action 96830

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 96830
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Approved. Please implement 19.15.29.13 NMAC when completing P&A.	6/28/2022