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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Enterprise Crude Oil	Contact Christopher A Spore, P.G.
Address 4600 E Hwy 80, Midland, Tx, 79706	Telephone No. 432-214-3264
Facility Name Devon Thistle Fed 52H	Facility Type Central Tank Battery

Surface Owner BLM	Mineral Owner	API No. 30-025-41897

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	28	23S	33E	180	North	1795	West	Lea

Latitude 32.28248 Longitude -103.57966

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 97 bbl	Volume Recovered 20 bbl
Source of Release Crude Oil transport tank trailer	Date and Hour of Occurrence 7/6/16 0430	Date and Hour of Discovery 7/6/16 0430
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Messages were left with NMOCD District 1 office. Spoke with Carl Chavez in Santa Fe @1325 on 7/6/16 and advised of activities. BLM.	
By Whom? Christopher A Spore, P.G. Enterprise Crude Oil	Date and Hour NMOCD 7/6/16 at 0832 & 0835; BLM 7/6/16 at 0938.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Crude transport driver overfilled tank trailer during loading.
2x vacuum trucks were immediately dispatched to location, and all free oil was recovered.
Emergency line locate was initiated in preparation for excavating impacted caliche.

Describe Area Affected and Cleanup Action Taken.*
Spill site is a caliche tank battery pad. Irregular flow path measuring ~175' x 95'.
Impacted caliche/soils were excavated and disposed of by Environmental contractor (Talon/LPE). Discrete samples were collected to demonstrate removal of contaminants.

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

Signature: Chris A Spore	OIL CONSERVATION DIVISION	
Printed Name: Christopher A Spore, P.G.	Approved by Environmental Specialist: Brittany Hall	
Title: Senior Field Environmental Scientist	Approval Date: 4/10/2023	Expiration Date: N/A
E-mail Address: caspore@eprod.com	Conditions of Approval: None	Attached ☒
Date: 9/26/16 Phone: 432-214-3264		

* Attach Additional Sheets If Necessary

talonlpe.com • 866.742.0742

TALON LPE

Site Closure Report

Devon Thistle 28 CTB
Enterprise: T16-079
Talon Project #700348.343.01

Prepared For:

Enterprise Crude Oil
4500 East Highway 80
Midland, Texas 79706

Prepared By:

Brian Payton
Talon/LPE
2901 Hwy 349
Midland, TX 79706

SITE CLOSURE REPORT

DEVON THISTLE 28 CTB
ENTERPRISE CRUDE OIL
ENTERPRISE #T16-079
RP #4338

TALON/LPE PROJECT NO. 700348.343.01

PREPARED FOR:
ENTERPRISE CRUDE OIL
4500 EAST HIGHWAY 80
MIDLAND, TEXAS 79706

Prepared By:

Brian Payton
Project Manager

Melissa Decker
District Manager

Shane Curie, PG
Professional Geologist

Talon/LPE
2901 State Highway 349
Midland, Texas 79706

July 19, 2016

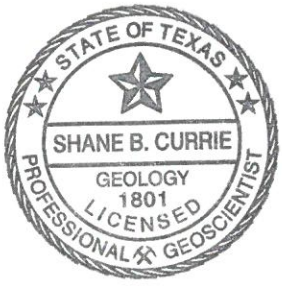


TABLE OF CONTENTS

APPENDICES

1.0 INTRODUCTION

1.1 Objectives and Site Background

Talon/LPE (Talon) was retained by Enterprise Crude Oil (Enterprise) to provide environmental consulting services at the Devon operated Thistle 28 CTB (site). The purpose of this report is to document remediation and site restoration activities undertaken regarding the release of crude oil at the subject site.

The site is located approximately 24.5 miles northwest of the city of Jal, in Lea County, New Mexico. The GPS coordinates for the site are 32.282491° north latitude and 103.580079° west longitude. A crude oil release occurred as a result of truck driver error during truck loading activities. Remediation activities occurred on site following guidance drafted by the New Mexico Energy, Natural Resources Department (EMNRD), New Mexico Oil Conservation Division (OCD) rules (*NMAC 19.15.30 Remediation and NMAC 20.6.2 Ground and Surface Water Protection*) and the New Mexico EMNRD OCD *Guidelines for Remediation of Leaks, Spills and Releases* as guidance.

On July 6, 2016, a release of crude oil occurred at the referenced site from a transport truck during loading activities. The release was determined to be approximately 97 barrels (bbl) of crude oil lost with 20 bbl recovered, resulting in a net loss of 77 bbl of crude oil. Enterprise completed a C-141 Release Notification and Corrective Action Report on July 6, 2016. Impacts from the release crude oil were limited to the tank battery pad. The release impacted a total area that measured approximately 90 feet wide and 175 feet in length. A Topographic Map depicting the location of the Site is included as Figure 1. An Aerial Photograph of the Site is attached as Figure 2. Site Details are provided as Figure 3.

1.2 NMOCD Site Classification

The site is subject to regulatory oversight by the New Mexico EMNRD OCD. To address activities related to crude oil releases, the New Mexico EMNRD OCD utilizes the *Guidelines for Remediation of Leaks, Spills and Releases* as guidance, in addition to the OCD rules, specifically NMAC 19-15-30 Remediation. These guidance documents establish investigation and abatement action requirements for sites subject to reporting and/or corrective action.

A search of the New Mexico Water Rights (NMWRRS) database maintained by the New Mexico Office of the State Engineer, Provided information for Section 28, Township 23S, Range 33E. The provided information indicated that groundwater should be encountered at approximately 400 feet below ground surface (bgs). A search of the NMWRRS database indicated there are no water wells within 1000 feet of the release. There are no surface water bodies within 5000 feet of the release. Based on depth to groundwater and proximity to surface water, the site received a ranking of zero (0). Guidelines for this release site are listed below:

Compound	Remediation Threshold
Benzene	10 mg/kg (ppm)
BTEX	50 mg/kg (ppm)
TPH	5000 mg/kg (ppm)
Chloride	1,000 mg/kg

2.0 INITIAL SITE ACTIVITIES

On July 6, 2016, Enterprise personnel dispatched two vacuum trucks to collect all free crude oil. The recovered oil was returned to the Enterprise pipeline system. An emergency utility line locate was placed, prior to excavation and remediation activities. Based on olfactory and visual observations, the horizontal extent was determined to be an irregular shape measuring approximately 175 feet long and 90 feet wide. The vertical extent ranged from two (2) inches to 1.5 feet bgs. Talon personnel conducted an initial assessment of the site and initiated site excavation activities.

3.0 SOIL EXCAVATION, REMEDIATION, AND BACKFILL ACTIVITIES

3.1 Remedial Excavation Activities

From July 6, 2016, through July 11, 2016, Talon conducted soil excavation activities. During that time, impacted soil was excavated utilizing a rubber tired backhoe and hand tools. Impacted soil that was excavated included the top layer of the caliche pad as well as top soil located underneath the well pad. Approximately 80 cubic yards of impacted soil was stockpiled on site prior to disposal via dump truck to Lea Land, LLC (Lea Land) in Carlsbad, New Mexico from July 7, 2016, through July 12, 2016.

The final excavation limits were initially determined using visual and olfactory senses. Laboratory analyses of samples collected at the bottom of the excavation were used to confirm when regulatory cleanup levels were achieved. Details of the soil sampling activities and laboratory results are presented in Section 4.0 of this report.

The final excavation limits measured approximately of 90 feet wide, 175 feet in length. Vertical depth ranged from two (2) inches to 1.56 feet bgs. Photographic Documentation of excavation activities is presented in Appendix C. Copies of the Waste Manifests is presented in Appendix F.

3.2 Backfill Activities

On July 11, 2016, and July 12, 2016, the excavated area was backfilled and graded to match pre-release conditions. Fresh soil procured from Lea Land was utilized as backfill material. Backfill activities were completed by utilizing a rubber tired backhoe.

4.0 SOIL SAMPLING ACTIVITIES

4.1 Sample Collection

During excavation activities, confirmation soil samples were collected on July 6, 2016, and July 7, 2016. Six (6) confirmation soil samples were collected and designated as (SS-1, SS-2, SS-3, SS-4, SS-5, and SS-6). Following NMOCD request, additional samples were collected by advancing a hand auger. The samples were designated as SS-6B (2" bgs) , SS-6C (5" bgs) , and SS-6D (5' bgs). The soil samples were collected by Talon personnel using industry accepted, standard operating procedures. These procedures include wearing new, clean nitrile gloves, and collecting laboratory samples using decontaminated or disposable hand tools (when applicable) to prevent cross-contamination.

Talon personnel collected soil samples for benzene, toluene, ethylbenzene and total xylenes (BTEX), total petroleum hydrocarbons (TPH), and chloride concentrations. The samples were collected in laboratory provided sample containers, immediately placed in an ice-chilled cooler, and transported to Xenco Laboratories in Midland, Texas.

4.2 Analytical Results

Initial laboratory analytical results indicated that TPH concentrations for all samples collected were less than 50.0 mg/Kg, which is well below the regulatory clean up levels of 5,000 mg/Kg. Laboratory results indicated that BTEX concentrations for all soils samples were below the remediation threshold of 10 mg/Kg. Laboratory results for the soil samples collected indicated that Chloride levels were below the recommended clean up levels of 1,000 mg/Kg.

Copies of the laboratory analytical results and chain of custody documentation are presented in Appendix D. A summary of the excavation confirmation soil sample analytical results are presented on Table 1 and Table 2 in Appendix B.

5.0 CONCLUSION

5.1 Conclusions

- A crude oil release was reported by Enterprise at the site on July 6, 2016, as a result of driver error during truck loading activities. Enterprise personnel estimated that 97 bbl of crude oil were released and 20 bbl were recovered, resulting in a net loss of 77 bbl of crude oil.

- Excavation activities were conducted by Talon personnel from July 6, 2016, to July 11, 2016. Excavated material was transported to Lea Land in Carlsbad, New Mexico.

- The excavated area was backfilled and graded to match pre-release conditions with uncontaminated material procured from Lea Land. Backfill activities were completed by utilizing a rubber tired backhoe.

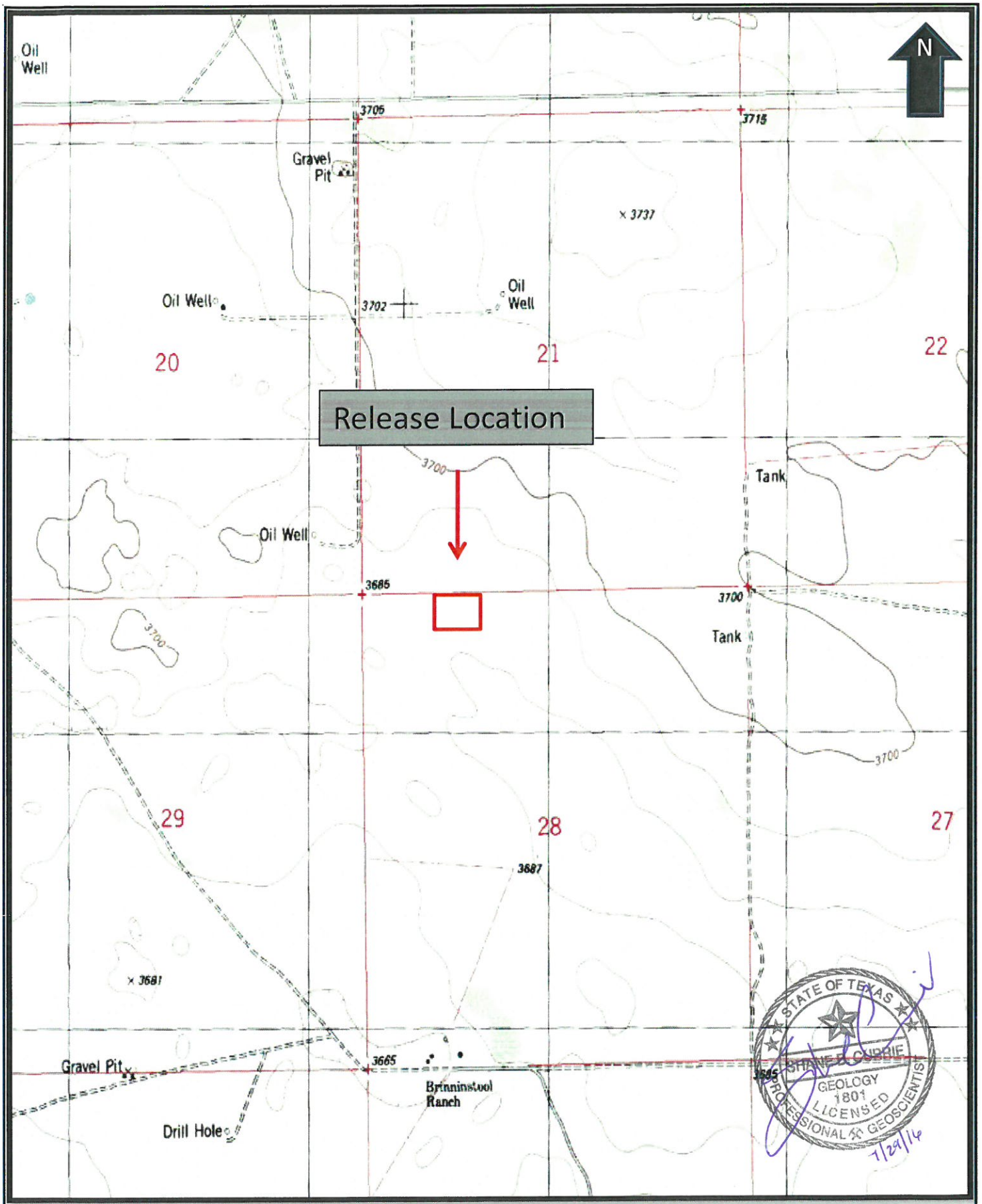
5.2 Recommendations

Based on laboratory analytical results of soil samples collected from the excavation limits, the vertical extent of the release area is delineated so that TPH, BTEX, and Chloride concentrations are below the soil cleanup level.

This report will be the final documentation regarding the release. Based on the remediation activities and data presented in this report, no further action is proposed for this site.

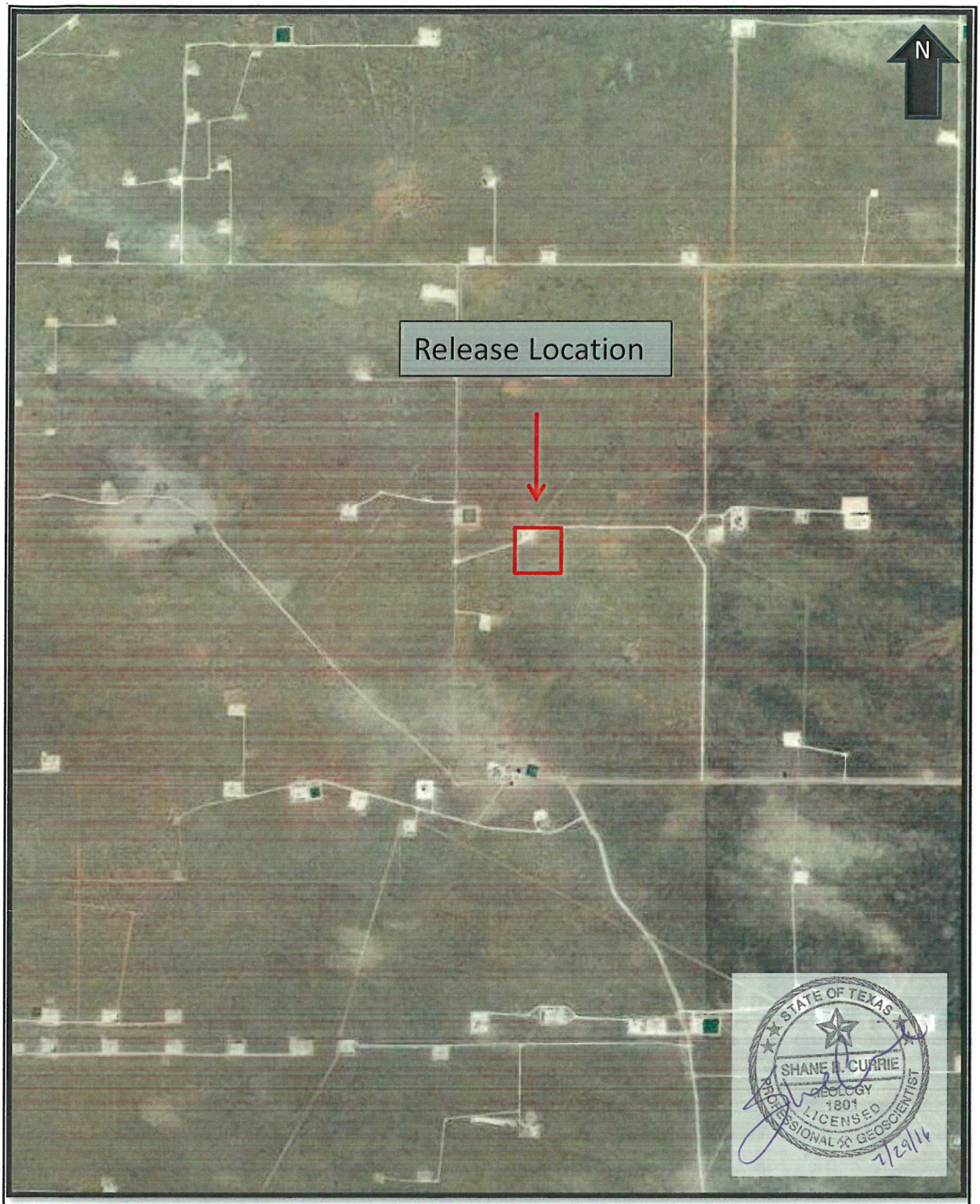
APPENDIX A

FIGURES



Date:	07/15/2016
Scale:	Not to Scale
Drawn By:	BHP

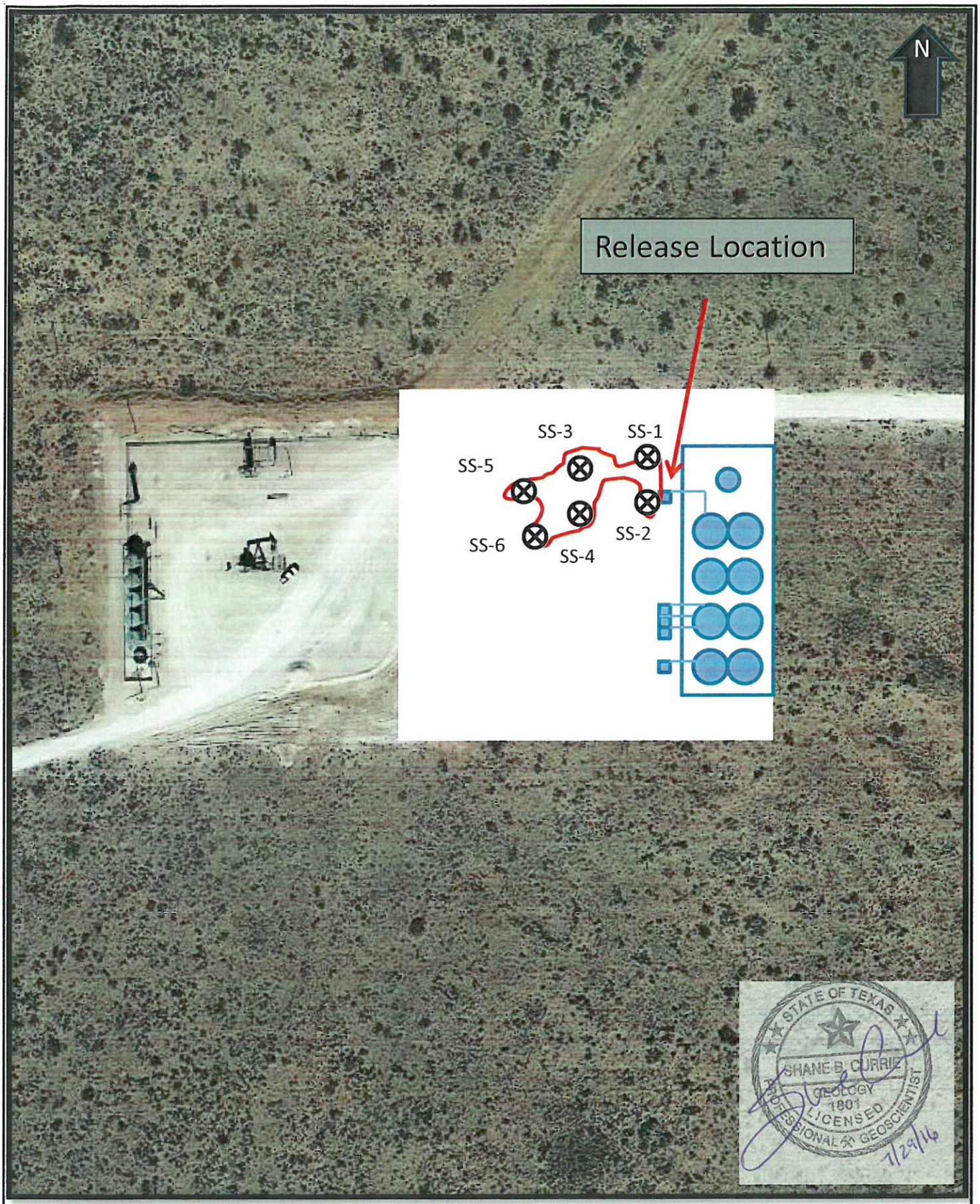
FIGURE 1
Topographic MAP
Devon Thistle 28 CTB
Prepared For: Enterprise Crude Oil
Lea County, New Mexico



TALON LPE

Date:	07/15/2016
Scale:	Not to Scale
Drawn By:	BHP

FIGURE 2
Aerial Map
Devon Thistle 28 CTB
Prepared For: Enterprise Crude Oil
Lea County, New Mexico



STATE OF TEXAS
SHANE B. CURRIE
GEOLOGY
1801
LICENSED
PROFESSIONAL GEOSCIENTIST
7/29/16

TALON LPE

Date:	07/15/2016
Scale:	Not to Scale
Drawn By:	BHP

FIGURE 3
Site Details
Devon Thistle 28 CTB
Prepared For: Enterprise Crude Oil
Lea County, New Mexico

APPENDIX B

TABLES

TABLE 1

CONCENTRATIONS OF TPH AND BTEX IN SOIL

DEVON THISTLE 28 CTB
ENTERPRISE CRUDE OIL
24.5 MILES NORTHWEST OF JAL, NEW MEXICO

TALON/LPE PROJECT NUMBER: 700348.343.01

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8015M			METHOD: 8021			
		DRO (mg/Kg)	GRO (mg/Kg)	TOTAL TPH (mg/Kg)	Benzene	Toulene	Ethyl-benzene	Total Xylenes
SS-1	7/6/2016	1,420	74	1,530	ND	0.00725	0.01360	0.10400
SS-2	7/6/2016	1,370	56	1,470	ND	0.00248	0.00279	0.02680
SS-3	7/7/2016	39	ND	39	ND	ND	ND	ND
SS-4	7/7/2016	ND	ND	ND	ND	ND	ND	ND
SS-5	7/7/2016	ND	ND	ND	ND	ND	ND	ND
SS-6	7/7/2016	1,470	39	1,530	0.00259	0.03160	0.01020	0.05160
Remedial Threshold				**5,000**	**10**			

(ND) = (Non-Detectable)
* **Bolded** values are in excess of the NMOCD Remediation Thresholds

TABLE 2

CONCENTRATIONS OF CHLORIDE IN SOIL

DEVON THISTLE 28 CTB
ENTERPRISE CRUDE OIL
LEA COUNTY, NEW MEXICO

TALON/LPE PROJECT NUMBER: 7000348.343.01

SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH	METHOD: 300.0
			CHLORIDE (mg/Kg)
SS-1	7/6/2016	SURFACE	193
SS-2	7/6/2016	SURFACE	107
SS-3	7/7/2016	SURFACE	11
SS-4	7/7/2016	SURFACE	39
SS-5	7/7/2016	SURFACE	ND
SS-6	7/7/2016	SURFACE	1,610
SS-6B	9/15/2016	2 IN. BGS	42
SS-6C	9/15/2016	5 IN. BGS	282
SS-6D	9/15/2016	5 FT. BGS	ND
Remedial Threshold			**3,000**

* **Bolded** values are in excess of the Remediation Thresholds

APPENDIX C

PHOTOGRAPHIC DOCUMENTATION

Photographic Documentation

Project Number: 700348.343.01
Enterprise Crude Oil- Devon Thistle 28 CTB
Lea County, New Mexico

Photograph No. 1

Direction:
Southwest

Description:
Source of crude oil release and flowpath.

Photograph No. 2

Direction:
Northeast

Description:
Crude oil flowpath.

TALON LPE

Photographic Documentation

Project Number: 700348.343.01
Enterprise Crude Oil- Devon Thistle 28 CTB
Lea County, New Mexico

Photograph No. 3

Direction:
Southwest

Description:
Rubber tired backhoe performing excavation activities.

Photograph No. 4

Direction:
Southwest

Description:
Excavation with hand tools around conduit lines.

Photographic Documentation

Project Number: 700348.343.01
Enterprise Crude Oil- Devon Thistle 28 CTB
Lea County, New Mexico

Photograph No. 5

Direction:
South

Description:
View of excavation activities.

Photograph No. 6

Direction:
East

Description:
Release site following excavation activities.

Photograph No. 7

Direction:
Northeast

Description:
View of excavation site following excavation activities.

Photograph No. 8

Direction:
Northeast

Description:
Release site following backfilling activities.

APPENDIX D

LABORATORY ANALYTICAL DATA REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

Analytical Report 533104

for

Talon/LPE Co.

Project Manager: Brian Payton

Enterprise-Devon Thistle 28 CTB

700348.343.01

15-JUL-16

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

15-JUL-16

Project Manager: **Brian Payton**
Talon/LPE Co.
2901 S State Highway 349
Midland, TX 79706

Reference: XENCO Report No(s): **533104**
Enterprise-Devon Thistle 28 CTB
Project Address: Lea Co., New Mexico

Brian Payton:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 533104. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 533104 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 533104

Talon/LPE Co., Midland, TX

Enterprise-Devon Thistle 28 CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS-1	S	07-06-16 15:15	- 4 In	533104-001
SS-2	S	07-06-16 15:27	- 4 In	533104-002

CASE NARRATIVE

Client Name: Talon/LPE Co.

Project Name: Enterprise-Devon Thistle 28 CTB

Project ID:	*700348.343.01*	Report Date:	*15-JUL-16*
Work Order Number(s):	*533104*	Date Received:	*07/11/2016*

Sample receipt non conformances and comments:

CASE NARRATIVE

Client Name: Talon/LPE Co.

Project Name: Enterprise-Devon Thistle 28 CTB

Project ID:	*700348.343.01*	Report Date:	*15-JUL-16*
Work Order Number(s):	*533104*	Date Received:	*07/11/2016*

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 533104

Talon/LPE Co., Midland, TX

Project Name: Enterprise-Devon Thistle 28 CTB

Project Id: 700348.343.01
Contact: Brian Payton
Project Location: Lea Co., New Mexico

Date Received in Lab: Mon Jul-11-16 11:10 am
Report Date: 15-JUL-16
Project Manager: Kelsey Brooks

Analysis Requested									
	Lab Id:	533104-001		533104-002					
	Field Id:	SS-1		SS-2					
	Depth:	4 In		4 In					
	Matrix:	SOIL		SOIL					
	Sampled:	Jul-06-16 15:15		Jul-06-16 15:27					
BTEX by EPA 8021B	***Extracted:***	Jul-12-16 17:00		Jul-12-16 17:00					
	Analyzed:	Jul-12-16 18:06		Jul-12-16 17:46					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		ND	0.00149	ND	0.00150				
Toluene		0.00725	0.00199	0.00248	0.00200				
Ethylbenzene		0.0136	0.00199	0.00279	0.00200				
m,p-Xylenes		0.0504	0.00199	0.0122	0.00200				
o-Xylene		0.0323	0.00299	0.00936	0.00299				
Total Xylenes		0.0827	0.00199	0.0216	0.00200				
Total BTEX		0.104	0.00149	0.0268	0.00150				
Inorganic Anions by EPA 300/300.1	***Extracted:***	Jul-14-16 10:00		Jul-14-16 10:00					
	Analyzed:	Jul-15-16 01:39		Jul-15-16 01:47					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		193	10.0	107	10.0				
TPH by SW 8015B	***Extracted:***	Jul-13-16 12:30		Jul-13-16 12:30					
	Analyzed:	Jul-13-16 16:09		Jul-13-16 17:27					
	Units/RL:	mg/kg	RL	mg/kg	RL				
C6-C10 Gasoline Range Hydrocarbons		74.1	15.0	56.1	15.0				
C10-C28 Diesel Range Hydrocarbons		1420	15.0	1370	15.0				
Total TPH		1530	15.0	1470	15.0				

Kelsey Brooks
Project Manager

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Form 2 - Surrogate Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Orders : 533104,

Project ID: 700348.343.01

Lab Batch #: 997905 **Sample:** 533104-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/12/16 17:46

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0279	0.0300	93	80-120	
4-Bromofluorobenzene	0.0283	0.0300	94	80-120	

Lab Batch #: 997905 **Sample:** 533104-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/12/16 18:06

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0283	0.0300	94	80-120	
4-Bromofluorobenzene	0.0299	0.0300	100	80-120	

Lab Batch #: 998051 **Sample:** 533104-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/13/16 16:09

SURROGATE RECOVERY STUDY

TPH by SW 8015B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	99.9	107	70-135	
o-Terphenyl	51.7	50.0	103	70-135	

Lab Batch #: 998051 **Sample:** 533104-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/13/16 17:27

SURROGATE RECOVERY STUDY

TPH by SW 8015B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.9	99.7	100	70-135	
o-Terphenyl	48.3	49.9	97	70-135	

Lab Batch #: 997905 **Sample:** 710874-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/12/16 10:18

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0307	0.0300	102	80-120	
4-Bromofluorobenzene	0.0291	0.0300	97	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Orders : 533104,

Project ID: 700348.343.01

Lab Batch #: 998051 **Sample:** 710924-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/13/16 13:20

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	52.5	50.0	105	70-135	

Lab Batch #: 997905 **Sample:** 710874-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/12/16 09:01

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0340	0.0300	113	80-120	
4-Bromofluorobenzene	0.0307	0.0300	102	80-120	

Lab Batch #: 998051 **Sample:** 710924-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/13/16 13:49

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	49.4	50.0	99	70-135	

Lab Batch #: 997905 **Sample:** 710874-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/12/16 09:17

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0326	0.0300	109	80-120	
4-Bromofluorobenzene	0.0295	0.0300	98	80-120	

Lab Batch #: 998051 **Sample:** 710924-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/13/16 14:19

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	50.2	50.0	100	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Orders : 533104,

Project ID: 700348.343.01

Lab Batch #: 997905 **Sample:** 533104-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/12/16 20:17

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0336	0.0300	112	80-120	
4-Bromofluorobenzene	0.0319	0.0300	106	80-120	

Lab Batch #: 998051 **Sample:** 533186-003 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/13/16 22:12

SURROGATE RECOVERY STUDY

TPH by SW 8015B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	105	99.6	105	70-135	
o-Terphenyl	49.1	49.8	99	70-135	

Lab Batch #: 997905 **Sample:** 533104-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/12/16 20:35

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0311	0.0300	104	80-120	
4-Bromofluorobenzene	0.0281	0.0300	94	80-120	

Lab Batch #: 998051 **Sample:** 533186-003 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/13/16 22:39

SURROGATE RECOVERY STUDY

TPH by SW 8015B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	99.6	102	70-135	
o-Terphenyl	45.4	49.8	91	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order #: 533104 **Project ID:** 700348.343.01

Analyst: PJB **Date Prepared:** 07/12/2016 **Date Analyzed:** 07/12/2016

Lab Batch ID: 997905 **Sample:** 710874-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00150	0.100	0.105	105	0.100	0.110	110	5	70-130	35	
Toluene	<0.00200	0.100	0.104	104	0.100	0.107	107	3	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0984	98	0.100	0.0992	99	1	71-129	35	
m,p-Xylenes	<0.00200	0.200	0.198	99	0.200	0.199	100	1	70-135	35	
o-Xylene	<0.00300	0.100	0.0933	93	0.100	0.0934	93	0	71-133	35	

Analyst: MNR **Date Prepared:** 07/14/2016 **Date Analyzed:** 07/14/2016

Lab Batch ID: 998100 **Sample:** 710952-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	254	102	250	234	94	8	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order #: 533104 **Project ID:** 700348.343.01

Analyst: PJB **Date Prepared:** 07/13/2016 **Date Analyzed:** 07/13/2016

Lab Batch ID: 998051 **Sample:** 710924-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW 8015B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	<15.0	1000	886	89	1000	853	85	4	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<15.0	1000	993	99	1000	959	96	3	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order #: 533104

Lab Batch #: 998100 **Project ID:** 700348.343.01

Date Analyzed: 07/15/2016 **Date Prepared:** 07/14/2016 **Analyst:** MNR

QC- Sample ID: 533260-002 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	113	250	351	95	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order # : 533104 **Project ID:** 700348.343.01

Lab Batch ID: 997905 **QC- Sample ID:** 533104-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 07/12/2016 **Date Prepared:** 07/12/2016 **Analyst:** PJB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00150	0.0998	0.0900	90	0.0998	0.0816	82	10	70-130	35	
Toluene	0.00248	0.0998	0.0926	90	0.0998	0.0839	82	10	70-130	35	
Ethylbenzene	0.00279	0.0998	0.0886	86	0.0998	0.0802	78	10	71-129	35	
m,p-Xylenes	0.0122	0.200	0.185	86	0.200	0.170	79	8	70-135	35	
o-Xylene	0.00936	0.0998	0.0924	83	0.0998	0.0843	75	9	71-133	35	

Lab Batch ID: 998051 **QC- Sample ID:** 533186-003 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 07/13/2016 **Date Prepared:** 07/13/2016 **Analyst:** PJB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW 8015B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	<14.9	996	806	81	996	791	79	2	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<14.9	996	808	81	996	833	84	3	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Sample Duplicate Recovery

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order #: 533104

Lab Batch #: 998100 **Project ID:** 700348.343.01

Date Analyzed: 07/15/2016 00:29 **Date Prepared:** 07/14/2016 **Analyst:** MNR

QC- Sample ID: 533260-002 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Inorganic Anions by EPA 300/300.1 **Analyte**	**Parent Sample Result [A]**	**Sample Duplicate Result [B]**	**RPD**	**Control Limits %RPD**	**Flag**
Chloride	113	109	4	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

CHAIN OF CUSTODY

Page 1 Of 1

XENCO LABORATORIES

Setting the Standard since 1990

Stafford,Texas (281-240-4200)

Dallas, Texas (214-902-0300)

Service Center - San Antonio, Texas (210-509-3334)

Odessa, Texas (432-563-1800)

Norcross, Georgia (770-449-8800)

Lakeland, Florida (863-646-8526)

Tampa, Florida (813-620-2000)

www.xenco.com

Xenco Quote #

Xenco Job # 533104

Client / Reporting Information

Company Name / Branch: Talon LPE

Company Address: Midland, TX

Email: bpayton@talonlpe.com

Phone No:

Project Contact: Brian Payton

Samplers's Name: Brian Payton

Project Information 700348.343.01

Project Name/Number: Enterprise Devon Thistle 28 CTB

Project Location: Lea Co, NM

Invoice To: Accounting

PO Number:

Analytical Information

Matrix Codes

A= Air
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
WW= Waste Water
W = Wipe
O = Oil

WW= Waste Water

No.	Field ID / Point of Collection	Collection: Sample Depth	Date	Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	None	TPH GRO DRO	BTEX	Cl	Field Comments
1	SS-1	4"	7-6-16	1515	S	1								X	X	X	X	
2	SS-2	4"	7-6-16	1527	S	1								X	X	X	X	
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Turnaround Time (Business days)

- [ ] Same Day TAT
- [x] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 3:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] TRRP Checklist

Notes:

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished By Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		7-10-16 0900	1	2		2
3		7/10 1110	3	4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice: X

Temp: 6.0 °C IR ID:R-8
C/F:0
Corrected Temp: 6.0° C

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously neg... a fully executed client contract.

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon/LPE Co.

Date/ Time Received: 07/11/2016 11:10:00 AM

Work Order #: 533104

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	6
#2 *Shipping container in good condition?	**N/A**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**N/A**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**No**
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Mary Alexis Negron
Mary Negron
Date: 07/12/2016

Checklist reviewed by: Kelsey Brooks
Kelsey Brooks
Date: 07/12/2016

Analytical Report 532980

for

Talon/LPE Co.

Project Manager: Brian Payton

Enterprise-Devon Thistle 28 CTB

700348.343.01

08-JUL-16

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

08-JUL-16

Project Manager: **Brian Payton**
Talon/LPE Co.
2901 S State Highway 349
Midland, TX 79706

Reference: XENCO Report No(s): **532980**
Enterprise-Devon Thistle 28 CTB
Project Address: Lea Co., New Mexico

Brian Payton:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 532980. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 532980 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 532980

Talon/LPE Co., Midland, TX

Enterprise-Devon Thistle 28 CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS-3	S	07-07-16 12:15	- 1 ft	532980-001
SS-4	S	07-07-16 12:30	- 2 ft	532980-002
SS-5	S	07-07-16 14:25	- 1 ft	532980-003

Version: 1.%

CASE NARRATIVE

Client Name: Talon/LPE Co.

Project Name: Enterprise-Devon Thistle 28 CTB

Project ID:	*700348.343.01*	Report Date:	*08-JUL-16*
Work Order Number(s):	*532980*	Date Received:	*07/08/2016*

Sample receipt non conformances and comments:

CASE NARRATIVE

Client Name: Talon/LPE Co.

Project Name: Enterprise-Devon Thistle 28 CTB

Project ID:	*700348.343.01*	Report Date:	*08-JUL-16*
Work Order Number(s):	*532980*	Date Received:	*07/08/2016*

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 532980

Talon/LPE Co., Midland, TX

Project Name: Enterprise-Devon Thistle 28 CTB

Project Id: 700348.343.01
Contact: Brian Payton
Project Location: Lea Co., New Mexico

Date Received in Lab: Fri Jul-08-16 08:35 am
Report Date: 08-JUL-16
Project Manager: Kelsey Brooks

Analysis Requested									
	Lab Id:	532980-001		532980-002		532980-003			
	Field Id:	SS-3		SS-4		SS-5			
	Depth:	1 ft		2 ft		1 ft			
	Matrix:	SOIL		SOIL		SOIL			
	Sampled:	Jul-07-16 12:15		Jul-07-16 12:30		Jul-07-16 14:25			
BTEX by EPA 8021B	***Extracted:***	Jul-08-16 10:00		Jul-08-16 10:00		Jul-08-16 10:00			
	Analyzed:	Jul-08-16 10:08		Jul-08-16 11:13		Jul-08-16 10:40			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene		ND	0.00150	ND	0.00150	ND	0.00149		
Toluene		ND	0.00200	ND	0.00200	ND	0.00198		
Ethylbenzene		ND	0.00200	ND	0.00200	ND	0.00198		
m,p-Xylenes		ND	0.00200	ND	0.00200	ND	0.00198		
o-Xylene		ND	0.00300	ND	0.00299	ND	0.00298		
Total Xylenes		ND	0.00200	ND	0.00200	ND	0.00198		
Total BTEX		ND	0.00150	ND	0.00150	ND	0.00149		
Inorganic Anions by EPA 300/300.1	***Extracted:***	Jul-08-16 10:00		Jul-08-16 10:00		Jul-08-16 10:00			
	Analyzed:	Jul-08-16 13:37		Jul-08-16 13:45		Jul-08-16 14:09			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		10.9	10.0	39.0	10.0	ND	10.0		
TPH by SW 8015B	***Extracted:***	Jul-08-16 09:00		Jul-08-16 09:00		Jul-08-16 09:00			
	Analyzed:	Jul-08-16 09:23		Jul-08-16 09:47		Jul-08-16 10:11			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
C6-C10 Gasoline Range Hydrocarbons		ND	15.0	ND	15.0	ND	15.0		
C10-C28 Diesel Range Hydrocarbons		39.0	15.0	ND	15.0	ND	15.0		
Total TPH		39.0	15.0	ND	15.0	ND	15.0		

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Version: 1.%

Kelsey Brooks
Project Manager

Final 1.000

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

	Phone	Fax
4147 Greenbriar Dr, Stafford, TX 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
1211 W Florida Ave, Midland, TX 79701	(432) 563-1800	(432) 563-1713
2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282	(602) 437-0330	

Form 2 - Surrogate Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Orders : 532980,

Project ID: 700348.343.01

Lab Batch #: 997703 **Sample:** 532980-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/08/16 09:23

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.2	99.8	95	70-135	
o-Terphenyl	45.8	49.9	92	70-135	

Lab Batch #: 997703 **Sample:** 532980-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/08/16 09:47

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.1	100	94	70-135	
o-Terphenyl	45.7	50.0	91	70-135	

Lab Batch #: 997704 **Sample:** 532980-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/08/16 10:08

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	80-120	
4-Bromofluorobenzene	0.0295	0.0300	98	80-120	

Lab Batch #: 997703 **Sample:** 532980-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/08/16 10:11

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.6	99.8	91	70-135	
o-Terphenyl	43.8	49.9	88	70-135	

Lab Batch #: 997704 **Sample:** 532980-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/08/16 10:40

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0311	0.0300	104	80-120	
4-Bromofluorobenzene	0.0311	0.0300	104	80-120	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Orders : 532980,

Project ID: 700348.343.01

Lab Batch #: 997704 **Sample:** 532980-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/08/16 11:13

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	80-120	
4-Bromofluorobenzene	0.0280	0.0300	93	80-120	

Lab Batch #: 997704 **Sample:** 710720-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/07/16 17:15

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	80-120	
4-Bromofluorobenzene	0.0294	0.0300	98	80-120	

Lab Batch #: 997703 **Sample:** 710747-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/07/16 17:20

SURROGATE RECOVERY STUDY

TPH by SW 8015B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.2	100	98	70-135	
o-Terphenyl	48.3	50.0	97	70-135	

Lab Batch #: 997704 **Sample:** 710720-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/07/16 15:55

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	80-120	
4-Bromofluorobenzene	0.0334	0.0300	111	80-120	

Lab Batch #: 997703 **Sample:** 710747-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/07/16 17:44

SURROGATE RECOVERY STUDY

TPH by SW 8015B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	49.7	50.0	99	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

Form 2 - Surrogate Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Orders : 532980,

Project ID: 700348.343.01

Lab Batch #: 997704 **Sample:** 710720-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/07/16 16:11

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0307	0.0300	102	80-120	
4-Bromofluorobenzene	0.0311	0.0300	104	80-120	

Lab Batch #: 997703 **Sample:** 710747-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/07/16 18:08

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	48.4	50.0	97	70-135	

Lab Batch #: 997704 **Sample:** 532800-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/07/16 16:27

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	80-120	
4-Bromofluorobenzene	0.0342	0.0300	114	80-120	

Lab Batch #: 997704 **Sample:** 532800-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/07/16 16:43

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0313	0.0300	104	80-120	
4-Bromofluorobenzene	0.0326	0.0300	109	80-120	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Version: 1.%

BS / BSD Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order #: 532980 **Project ID:** 700348.343.01

Analyst: PJB **Date Prepared:** 07/07/2016 **Date Analyzed:** 07/07/2016

Lab Batch ID: 997704 **Sample:** 710720-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00150	0.100	0.0920	92	0.100	0.0975	98	6	70-130	35	
Toluene	<0.00200	0.100	0.0901	90	0.100	0.0953	95	6	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0937	94	0.100	0.0982	98	5	71-129	35	
m,p-Xylenes	<0.00200	0.200	0.193	97	0.200	0.202	101	5	70-135	35	
o-Xylene	<0.00300	0.100	0.0954	95	0.100	0.0994	99	4	71-133	35	

Analyst: MNR **Date Prepared:** 07/08/2016 **Date Analyzed:** 07/08/2016

Lab Batch ID: 997748 **Sample:** 710772-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	242	97	250	259	104	7	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

BS / BSD Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order #: 532980 **Project ID:** 700348.343.01

Analyst: ARM **Date Prepared:** 07/07/2016 **Date Analyzed:** 07/07/2016

Lab Batch ID: 997703 **Sample:** 710747-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW 8015B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	<15.0	1000	958	96	1000	917	92	4	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<15.0	1000	1010	101	1000	986	99	2	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

Form 3 - MS Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order #: 532980

Lab Batch #: 997748 **Project ID:** 700348.343.01

Date Analyzed: 07/08/2016 **Date Prepared:** 07/08/2016 **Analyst:** MNR

QC- Sample ID: 532894-001 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	1750	2500	4120	95	80-120	

Lab Batch #: 997748

Date Analyzed: 07/08/2016 **Date Prepared:** 07/08/2016 **Analyst:** MNR

QC- Sample ID: 533040-001 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	<10.0	250	209	84	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Version: 1.%

Form 3 - MS / MSD Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order # : 532980 **Project ID:** 700348.343.01

Lab Batch ID: 997704 **QC- Sample ID:** 532800-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 07/07/2016 **Date Prepared:** 07/07/2016 **Analyst:** PJB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00150	0.0998	0.0633	63	0.0998	0.0558	56	13	70-130	35	X
Toluene	<0.00200	0.0998	0.0602	60	0.0998	0.0526	53	13	70-130	35	X
Ethylbenzene	<0.00200	0.0998	0.0522	52	0.0998	0.0470	47	10	71-129	35	X
m,p-Xylenes	<0.00200	0.200	0.118	59	0.200	0.102	51	15	70-135	35	X
o-Xylene	<0.00299	0.0998	0.0643	64	0.0998	0.0557	56	14	71-133	35	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Sample Duplicate Recovery

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order #: 532980

Lab Batch #: 997748 **Project ID:** 700348.343.01

Date Analyzed: 07/08/2016 13:06 **Date Prepared:** 07/08/2016 **Analyst:** MNR

QC- Sample ID: 532894-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	1750	1870	7	20	

Lab Batch #: 997748

Date Analyzed: 07/08/2016 14:55 **Date Prepared:** 07/08/2016 **Analyst:** MNR

QC- Sample ID: 533040-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300/300.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	<10.0	<10.0	0	20	U

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Version: 1.%

CHAIN OF CUSTODY

Page 1 Of 1

XENCO LABORATORIES

Setting the Standard since 1990

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Lakeland, Florida (863-646-8526)

Tampa, Florida (813-620-2000)

www.xenco.com

Xenco Quote #

Xenco Job # 532980

Client / Reporting Information	Project Information 700348.343.01
Company Name / Branch: Talon LPE	Project Name/Number: Enterprise - Devon Thistle 26 CTB
Company Address: Midland TX	Project Location: Lea Co, New Mexico
Email: bpayton@talonlpe.com, caspore@eprod.com Phone No:	Invoice To: Accounting
Project Contact: Brian Payton	PO Number:
Samplers's Name: Brian Payton	

Analytical Information: GRO-DRO, BTEX 8021, Cl

Matrix Codes: A= Air; S = Soil/Sed/Solid; GW =Ground Water; DW = Drinking Water; P = Product; SW = Surface water; SL = Sludge; WW= Waste Water; W = Wipe; O = Oil

No.	Field ID / Point of Collection	Collection: Sample Depth	Date	Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	GRO-DRO	BTEX	Cl	Field Comments
1	SS-3	1'	7-7-16	1215	S	1								X	X	X	X	
2	SS-4	2'	↓	1230	↓	↓								X	X	X	X	
3	SS-5	1'	↓	1425	↓	↓								X	X	X	X	
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Turnaround Time (Business days)

- [X] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 3:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] TRRP Checklist

Notes:

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	B. Payton	7-8-16 0835	1	2		2
3	Relinquished by:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable	On Ice: X

Temp: 2.6°C IR ID:R-8
C/F:0
Corrected Temp: 2.6°C

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously negotiated under a fully executed client contract.

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon/LPE Co.

Date/ Time Received: 07/08/2016 08:35:00 AM

Work Order #: 532980

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.6
#2 *Shipping container in good condition?	**N/A**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**N/A**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**No**
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Mary Alexis Negron
Mary Negron
Date: 07/08/2016

Checklist reviewed by: Kelsey Brooks
Kelsey Brooks
Date: 07/08/2016

Analytical Report 532981

for

Talon/LPE Co.

Project Manager: Brian Payton

Enterprise-Devon Thistle 28 CTB

700348.343.01

14-JUL-16

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

14-JUL-16

Project Manager: **Brian Payton**
Talon/LPE Co.
2901 S State Highway 349
Midland, TX 79706

Reference: XENCO Report No(s): **532981**
Enterprise-Devon Thistle 28 CTB
Project Address: Lea Co., New Mexico

Brian Payton:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 532981. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 532981 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 532981

Talon/LPE Co., Midland, TX

Enterprise-Devon Thistle 28 CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS-6	S	07-07-16 14:45	- 3 In	532981-001

CASE NARRATIVE

Client Name: Talon/LPE Co.

Project Name: Enterprise-Devon Thistle 28 CTB

Project ID:	*700348.343.01*	Report Date:	*14-JUL-16*
Work Order Number(s):	*532981*	Date Received:	*07/08/2016*

Sample receipt non conformances and comments:

CASE NARRATIVE

Client Name: Talon/LPE Co.

Project Name: Enterprise-Devon Thistle 28 CTB

Project ID: *700348.343.01*
Work Order Number(s): *532981*

Report Date: *14-JUL-16*
Date Received: *07/08/2016*

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 532981

Talon/LPE Co., Midland, TX

Project Name: Enterprise-Devon Thistle 28 CTB

Project Id: 700348.343.01
Contact: Brian Payton
Project Location: Lea Co., New Mexico

Date Received in Lab: Fri Jul-08-16 08:35 am
Report Date: 14-JUL-16
Project Manager: Kelsey Brooks

Analysis Requested								
	Lab Id:	532981-001						
	Field Id:	SS-6						
	Depth:	3 In						
	Matrix:	SOIL						
	Sampled:	Jul-07-16 14:45						
BTEX by EPA 8021B SUB: T104704534-15-1	***Extracted:***	Jul-12-16 18:20						
	Analyzed:	Jul-13-16 02:21						
	Units/RL:	mg/kg	RL					
Benzene		0.00259	0.00198					
Toluene		0.0316	0.00198					
Ethylbenzene		0.0102	0.00198					
m,p-Xylenes		0.0370	0.00396					
o-Xylene		0.0146	0.00198					
Total Xylenes		0.0516	0.00198					
Total BTEX		0.0960	0.00198					
Inorganic Anions by EPA 300/300.1	***Extracted:***	Jul-13-16 19:45						
	Analyzed:	Jul-14-16 13:34						
	Units/RL:	mg/kg	RL					
Chloride		1610	100					
TPH by SW 8015B	***Extracted:***	Jul-08-16 09:00						
	Analyzed:	Jul-08-16 10:35						
	Units/RL:	mg/kg	RL					
C6-C10 Gasoline Range Hydrocarbons		39.4	15.0					
C10-C28 Diesel Range Hydrocarbons		1470	15.0					
Total TPH		1530	15.0					

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Kelsey Brooks
Project Manager

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
1211 W Florida Ave, Midland, TX 79701	(432) 563-1800	(432) 563-1713
2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282	(602) 437-0330	

Form 2 - Surrogate Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Orders : 532981,

Project ID: 700348.343.01

Lab Batch #: 997703 **Sample:** 532981-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/08/16 10:35

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.3	99.9	89	70-135	
o-Terphenyl	41.3	50.0	83	70-135	

Lab Batch #: 997981 **Sample:** 532981-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/13/16 02:21

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0319	0.0300	106	80-120	
4-Bromofluorobenzene	0.0324	0.0300	108	80-120	

Lab Batch #: 997703 **Sample:** 710747-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/07/16 17:20

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.2	100	98	70-135	
o-Terphenyl	48.3	50.0	97	70-135	

Lab Batch #: 997981 **Sample:** 710923-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/12/16 19:18

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0295	0.0300	98	80-120	
4-Bromofluorobenzene	0.0321	0.0300	107	80-120	

Lab Batch #: 997703 **Sample:** 710747-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/07/16 17:44

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	49.7	50.0	99	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Orders : 532981,

Project ID: 700348.343.01

Lab Batch #: 997981 **Sample:** 710923-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/12/16 18:27

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0355	0.0300	118	80-120	
4-Bromofluorobenzene	0.0338	0.0300	113	80-120	

Lab Batch #: 997703 **Sample:** 710747-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/07/16 18:08

SURROGATE RECOVERY STUDY

TPH by SW 8015B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	48.4	50.0	97	70-135	

Lab Batch #: 997981 **Sample:** 710923-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 07/12/16 18:44

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0353	0.0300	118	80-120	
4-Bromofluorobenzene	0.0325	0.0300	108	80-120	

Lab Batch #: 997981 **Sample:** 532903-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/12/16 19:52

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0339	0.0300	113	80-120	
4-Bromofluorobenzene	0.0316	0.0300	105	80-120	

Lab Batch #: 997981 **Sample:** 532903-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 07/12/16 20:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0350	0.0300	117	80-120	
4-Bromofluorobenzene	0.0326	0.0300	109	80-120	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order #: 532981 **Project ID:** 700348.343.01

Analyst: FOV **Date Prepared:** 07/12/2016 **Date Analyzed:** 07/12/2016

Lab Batch ID: 997981 **Sample:** 710923-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00200	0.100	0.0845	85	0.100	0.0882	88	4	70-130	35	
Toluene	<0.00200	0.100	0.0802	80	0.100	0.0840	84	5	70-130	35	
Ethylbenzene	<0.00200	0.100	0.0811	81	0.100	0.0838	84	3	71-129	35	
m,p-Xylenes	<0.00400	0.200	0.166	83	0.200	0.172	86	4	70-135	35	
o-Xylene	<0.00200	0.100	0.0862	86	0.100	0.0883	88	2	71-133	35	

Analyst: MNR **Date Prepared:** 07/13/2016 **Date Analyzed:** 07/14/2016

Lab Batch ID: 998070 **Sample:** 710940-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	253	101	250	261	104	3	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order #: 532981 **Project ID:** 700348.343.01

Analyst: ARM **Date Prepared:** 07/07/2016 **Date Analyzed:** 07/07/2016

Lab Batch ID: 997703 **Sample:** 710747-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW 8015B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	<15.0	1000	958	96	1000	917	92	4	70-135	35	
C10-C28 Diesel Range Hydrocarbons	<15.0	1000	1010	101	1000	986	99	2	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order #: 532981

Lab Batch #: 998070 **Project ID:** 700348.343.01

Date Analyzed: 07/14/2016 **Date Prepared:** 07/13/2016 **Analyst:** MNR

QC- Sample ID: 532978-001 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	40600	50000	101000	121	80-120	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order # : 532981 **Project ID:** 700348.343.01

Lab Batch ID: 997981 **QC- Sample ID:** 532903-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 07/12/2016 **Date Prepared:** 07/12/2016 **Analyst:** FOV

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00199	0.0996	0.0846	85	0.100	0.0843	84	0	70-130	35	
Toluene	<0.00199	0.0996	0.0797	80	0.100	0.0802	80	1	70-130	35	
Ethylbenzene	<0.00199	0.0996	0.0799	80	0.100	0.0804	80	1	71-129	35	
m,p-Xylenes	<0.00398	0.199	0.162	81	0.200	0.163	82	1	70-135	35	
o-Xylene	<0.00199	0.0996	0.0840	84	0.100	0.0845	85	1	71-133	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Sample Duplicate Recovery

Project Name: Enterprise-Devon Thistle 28 CTB

Work Order #: 532981

Lab Batch #: 998070 **Project ID:** 700348.343.01

Date Analyzed: 07/14/2016 12:55 **Date Prepared:** 07/13/2016 **Analyst:** MNR

QC- Sample ID: 532978-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Inorganic Anions by EPA 300/300.1 **Analyte**	**Parent Sample Result [A]**	**Sample Duplicate Result [B]**	**RPD**	**Control Limits %RPD**	**Flag**
Chloride	40600	36600	10	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

CHAIN OF CUSTODY

Page 1 Of 1

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Tampa, Florida (813-620-2000)

Xenco Quote #:
Xenco Job #: 532981

Client / Reporting Information

Company Name / Branch: Talon LPE
Company Address: Midland, TX
Email: bpayton@talonlpe.com
Phone No:
Project Contact: Brian Payton
Samplers's Name:

Project Information 700348.343.01

Project Name/Number: Enterprise-Devon Thistle 28 CTB
Project Location: Lea Co New Mexico
Invoice To: Accounting
PO Number:

Analytical Information

GRO - DRO
BTEX 8021
Cl

Matrix Codes

A= Air
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
WW= Waste Water
W = Wipe
O = Oil

WW= Waste Water

No.	Field ID / Point of Collection	Collection: Sample Depth	Date	Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	None	TPH GRO - DRO	BTEX 8021	Cl	Field Comments
1	SS-6	3"	7-7-16	1445	S	1								X	X	X	X	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Turnaround Time (Business days)

- ☐ Same Day TAT
- ☒ 5 Day TAT
- ☐ Next Day EMERGENCY
- ☐ 7 Day TAT
- ☐ 2 Day EMERGENCY
- ☐ Contract TAT
- ☐ 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 3:00 pm

Data Deliverable Information

- ☐ Level II Std QC
- ☐ Level IV (Full Data Pkg /raw data)
- ☐ Level III Std QC+ Forms
- ☐ TRRP Level IV
- ☐ Level 3 (CLP Forms)
- ☐ UST / RG -411
- ☐ TRRP Checklist

Notes:

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	B-Ry	7-8-16 0835	1	2		2
3	Relinquished by:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable ☐	On Ice ☒ Cooler

Temp: 2.6°C IR ID:R-8
C/F:0
Corrected Temp: 2.6°C

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously ne

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon/LPE Co.

Date/ Time Received: 07/08/2016 08:35:00 AM

Work Order #: 532981

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.6
#2 *Shipping container in good condition?	**N/A**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**N/A**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**No**
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Mary Alexis Negron
Mary Negron
Date: 07/08/2016

Checklist reviewed by: Kelsey Brooks
Kelsey Brooks
Date: 07/08/2016

Analytical Report 536919

for

Talon/LPE Co.

Project Manager: Nathan Callicoatte

Thistle 28

700348.343.01

23-SEP-16

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Table of Contents

23-SEP-16

Project Manager: **Nathan Callicoatte**
Talon/LPE Co.
2901 S State Highway 349
Midland, TX 79706

Reference: XENCO Report No(s): **536919**
Thistle 28
Project Address: Lea Co. NM

Nathan Callicoatte:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 536919. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 536919 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 536919

Talon/LPE Co., Midland, TX

Thistle 28

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS-6B	S	09-15-16 12:30	- 2 In	536919-001
SS-6C	S	09-15-16 12:45	- 5 In	536919-002
SS-6D	S	09-15-16 13:00	- 5 ft	536919-003

CASE NARRATIVE

Client Name: Talon/LPE Co.

Project Name: Thistle 28

Project ID:	*700348.343.01*	Report Date:	*23-SEP-16*
Work Order Number(s):	*536919*	Date Received:	*09/16/2016*

Sample receipt non conformances and comments:

CASE NARRATIVE

Client Name: Talon/LPE Co.

Project Name: Thistle 28

Project ID: *700348.343.01*
Work Order Number(s): *536919*

Report Date: *23-SEP-16*
Date Received: *09/16/2016*

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 536919

Talon/LPE Co., Midland, TX

Project Name: Thistle 28

Project Id: 700348.343.01
Contact: Nathan Callicoatte
Project Location: Lea Co. NM

Date Received in Lab: Fri Sep-16-16 08:30 am
Report Date: 23-SEP-16
Project Manager: Kelsey Brooks

Analysis Requested									
	Lab Id:	536919-001		536919-002		536919-003			
	Field Id:	SS-6B		SS-6C		SS-6D			
	Depth:	2 In		5 In		5 ft			
	Matrix:	SOIL		SOIL		SOIL			
	Sampled:	Sep-15-16 12:30		Sep-15-16 12:45		Sep-15-16 13:00			
Inorganic Anions by EPA 300/300.1	***Extracted:***	Sep-22-16 09:00		Sep-22-16 09:00		Sep-22-16 09:00			
	Analyzed:	Sep-22-16 12:51		Sep-22-16 13:14		Sep-22-16 13:22			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		41.8	10.0	282	10.0	ND	10.0		

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Kelsey Brooks
Project Manager

Final 1.000

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

BS / BSD Recoveries

Project Name: Thistle 28

Work Order #: 536919 **Project ID:** 700348.343.01

Analyst: MNR **Date Prepared:** 09/22/2016 **Date Analyzed:** 09/22/2016

Lab Batch ID: 3000568 **Sample:** 714063-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	244	98	250	238	95	2	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Thistle 28

Work Order # : 536919 **Project ID:** 700348.343.01

Lab Batch ID: 3000568 **QC- Sample ID:** 536919-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 09/22/2016 **Date Prepared:** 09/22/2016 **Analyst:** MNR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	41.8	250	299	103	250	292	100	2	90-110	20	

Lab Batch ID: 3000568 **QC- Sample ID:** 537017-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 09/22/2016 **Date Prepared:** 09/22/2016 **Analyst:** MNR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	1900	1250	3070	94	1250	3040	91	1	90-110	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable

N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

CHAIN OF CUSTODY

Page 1 Of 1

XENCO LABORATORIES

Setting the Standard since 1990

Stafford, Texas (281-240-4200)
Dallas, Texas (214-902-0300)
Service Center - San Antonio, Texas (210-509-3334)
Odessa, Texas (432-563-1800)
Norcross, Georgia (770-449-8800)
Lakeland, Florida (863-646-8526)
Tampa, Florida (813-620-2000)
www.xenco.com

Xenco Quote #
Xenco Job # 536919

Client / Reporting Information

Company Name / Branch: Talon LPE
Company Address: 2901 Hwy 349 Midland 79706
Email: ncalliwalle@talonlpe.com Phone No: 432 3492468
Project Contact: Nathan Calliwalle
Samplers's Name: Nathan Calliwalle

Project Information

Project Name/Number: 700348.343.01 Thistle 28
Project Location: Lea Co., NM
Invoice To: Talon
PO Number:

Analytical Information

Chlorides

Matrix Codes

A= Air
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
WW= Waste Water
W = Wipe
O = Oil

WW= Waste Water

No.	Field ID / Point of Collection	Collection: Sample Depth	Date	Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	None	Chlorides	Field Comments
1	SS-6B	2"	9/15	1230	S	1								X	X	
2	SS-6C	5"	"	1245	"	1								"	"	
3	SS-6D	5'	"	1300	"	1								"	"	
4																
5																
6																
7																
8																
9																
10																

Turnaround Time (Business days)

- ☐ Same Day TAT
- ☒ 5 Day TAT
- ☐ Next Day EMERGENCY
- ☐ 7 Day TAT
- ☐ 2 Day EMERGENCY
- ☐ Contract TAT
- ☐ 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 3:00 pm

Data Deliverable Information

- ☐ Level II Std QC
- ☐ Level IV (Full Data Pkg /raw data)
- ☐ Level III Std QC+ Forms
- ☐ TRRP Level IV
- ☐ Level 3 (CLP Forms)
- ☐ UST / RG -411
- ☐ TRRP Checklist

Notes:

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		9/16 830	1			2
	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	3		3	4		4
	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp / Thermo. Corr. Factor
	5		5		☐	X 2.8 C 0

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously negotiated under a fully executed client contract.

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon/LPE Co.

Date/ Time Received: 09/16/2016 08:30:00 AM

Work Order #: 536919

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.8
#2 *Shipping container in good condition?	**N/A**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**N/A**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**No**
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Jessica Kramer
Jessica Kramer
Date: 09/16/2016

Checklist reviewed by: Kelsey Brooks
Kelsey Brooks
Date: 09/16/2016

APPENDIX E

NMOCD RELEASE NOTIFICATION AND CORRECTIVE ACTION (C-141)

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Enterprise Crude Oil	Contact Christopher A Spore, P.G.
Address 4600 E Hwy 80, Midland, Tx, 79706	Telephone No. 432-214-3264
Facility Name Devon Thistle Fed 52H	Facility Type Central Tank Battery

Surface Owner BLM	Mineral Owner	API No. 30-025-41897

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	28	23S	33E	180	North	1795	West	Lea

Latitude 32.28248 Longitude -103.57966

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 97 bbl	Volume Recovered 20 bbl
Source of Release Crude Oil transport tank trailer	Date and Hour of Occurrence 7/6/16 0430	Date and Hour of Discovery 7/6/16 0430
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Messages were left with NMOCD District 1 office. Spoke with Carl Chavez in Santa Fe @1325 on 7/6/16 and advised of activities. BLM.	
By Whom? Christopher A Spore, P.G. Enterprise Crude Oil	Date and Hour NMOCD 7/6/16 at 0832 & 0835; BLM 7/6/16 at 0938.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Crude transport driver overfilled tank trailer during loading.
2x vacuum trucks were immediately dispatched to location, and all free oil was recovered.
Emergency line locate was initiated in preparation for excavating impacted caliche.

Describe Area Affected and Cleanup Action Taken.*
Spill site is a caliche tank battery pad. Irregular flow path measuring ~175' x 95'.
Environmental contractor (Talon/LPE) is excavating the flow path of the release and stockpiling the material on plastic.
Impacted caliche/soils will be transported to Lea Land, LLC for disposal.
Confirmation samples will be collected from the excavation to demonstrate remedial action levels have been achieved.
Closure report will be generated and submitted to all involved parties.

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

Signature: Chris A Spore	OIL CONSERVATION DIVISION
Printed Name: Christopher A Spore, P.G.	Approved by Environmental Specialist:
Title: Senior Field Environmental Scientist	Approval Date: 07/08/2016 Expiration Date: 09/08/2016
E-mail Address: caspore@eprod.com	Conditions of Approval: Discrete samples only. Delineate and remediate per NMOCD guidelines. Attached ☐ 1RP 4338
Date: 7/6/16 Phone: 432-214-3264	

* Attach Additional Sheets If Necessary

nJXK1619028625
pJXK1619028716

APPENDIX F

WASTE MANIFEST

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

TALON

NON-HAZARDOUS WASTE MANIFEST NO 115017 | 1. PAGE ___ OF ___ | 2. TRAILER NO. 1044

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Enterprise Products	2162 Commerce	7/11/2016
PHONE NO. (432) 230-1414	CITY Midland STATE TX ZIP 79703	6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM			
b.					
c.					
d. 23,400					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
DEVON THISTLE 28 CTB	709582

IN CASE OF EMERGENCY OR SPILL, CONTACT

14. NAME	PHONE NO	24-HOUR EMERGENCY NO.
Pat Slaughter	575-361-4018	

GENERATOR

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME: TALON LPE	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: DAVID ATKINS	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 441-4835	EMERGENCY PHONE:
18. **TRANSPORTER (1):** Acknowledgment of receipt of material	19. **TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME Enrique Ulloa	PRINTED/TYPED NAME
SIGNATURE DATE 7/11/2016	SIGNATURE DATE

DISPOSAL FACILITY

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Lando Gonzalez		7/11/2016	1:45

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST NO 115005 | 1. PAGE ___ OF ___ | 2. TRAILER NO. 1044

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Enterprise Products	1600 E. Highway 80	7/7/2016
PHONE NO. (432) 230-1414	CITY Midland STATE TX ZIP 79706	6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non Regulated, Non Hazardous Waste					
b.					
c.					
d. WT 19,620					

12. COMMENTS OR SPECIAL INSTRUCTIONS: DEVON THISTLE 28 CTB

13. WASTE PROFILE NO. 708582

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

NAME Kin Slaughter PHONE NO 575-657-4048 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME ATTN: BRIAN PEYTON SIGNATURE DATE

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME: TALON LPE	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: DAVID ATKINS	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 441-4835	EMERGENCY PHONE:
18. **TRANSPORTER (1):** Acknowledgment of receipt of material	19. **TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME Jesse Kimes	PRINTED/TYPED NAME
SIGNATURE DATE 7-7-16	SIGNATURE DATE

DISPOSAL FACILITY

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Darlo Gonzalez		7/7/2016	3:25

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 4

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

TALON

NON-HAZARDOUS WASTE MANIFEST NO 115004 | 1. PAGE ___ OF ___ | 2. TRAILER NO. 1180

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Enterprise Products PHONE NO. (432) 230-1414	1600 E. Highway 80 CITY Midland STATE TX ZIP 79706	7/7/2016 6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM			
b.					
c.					
d. 36,480					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
DEVON THISTLE 28 CTB	706582

TRANSPORTER

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

NAME	PHONE NO	24-HOUR EMERGENCY NO.
Tim Slaughter	575-887-4048	

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
ATTN: BRANDI PETTON		

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME: TALON LPE	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: DAVID ATKINS	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 441-4835	EMERGENCY PHONE:
18. **TRANSPORTER (1):** Acknowledgment of receipt of material	19. **TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME Oscar Padilla	PRINTED/TYPED NAME
SIGNATURE DATE 7/7/2016	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
David Gonzales		7/7/2016	3:20

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 4

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST NO 114994 | 1. PAGE ___ OF ___ | 2. TRAILER NO. Talon 1044

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Enterprise Products	4600 E. Highway 80	7/6/2016
PHONE NO. 700348.343.01 (432) 230-1114	CITY Midland STATE TX ZIP 79706	6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM			
b.					
c.					
d. NT 1,600					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
DEVON THISTLE 28 CTB	708582

IN CASE OF EMERGENCY OR SPILL, CONTACT

14. NAME	PHONE NO	24-HOUR EMERGENCY NO.
Kin Slaughter	575-887-4048	

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
ATTN: BRIAN PEYTON		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: TALON LPE	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: DAVID ATKINS	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 441-4835	EMERGENCY PHONE:
18. **TRANSPORTER (1):** Acknowledgment of receipt of material	19. **TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME Oscar Padilla	PRINTED/TYPED NAME
SIGNATURE DATE 7/6/2016	SIGNATURE DATE

DISPOSAL FACILITY

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Martin Morales		7/6/2016	12:05

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 4

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST NO 115027 | 1. PAGE ___ OF ___ | 2. TRAILER NO. 1044

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Enterprise Products	2102 Commerce	7/12/2018
PHONE NO. (432) 230-1414	CITY Midland STATE TX ZIP 79703	6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM			
b.					
c.					
d. WM-26640					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
DEVON THISTLE 28 CTB	709882

IN CASE OF EMERGENCY OR SPILL, CONTACT

14. NAME	PHONE NO	24-HOUR EMERGENCY NO.
Kin Slaughter	575-887-4018	

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME: TALON LPE	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: DAVID ATKINS	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 441-4835	EMERGENCY PHONE:
18. **TRANSPORTER (1):** Acknowledgment of receipt of material	19. **TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME Enrique Villegas	PRINTED/TYPED NAME
SIGNATURE DATE 7/12/2018	SIGNATURE DATE

DISPOSAL FACILITY

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Carlos Gonzalez		7/12/2018	12:06

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 4

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST NO 115009 | 1. PAGE ___ OF ___ | 2. TRAILER NO. 1180

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
PHONE NO.	CITY STATE ZIP	6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a.					
b.					
c.					
d. 45,520					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.

IN CASE OF EMERGENCY OR SPILL, CONTACT

14. NAME PHONE NO 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME:	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:	EMERGENCY PHONE:
18. **TRANSPORTER (1):** Acknowledgment of receipt of material	19. **TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME Oscar Padilla	PRINTED/TYPED NAME
SIGNATURE DATE 7/8/2016	SIGNATURE DATE

DISPOSAL FACILITY

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
David Gonzalez		7/8/2016	1:00

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 4

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
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 203573

CONDITIONS

Operator: ENTERPRISE PRODUCTS OPERATING, L.P. ATTN: LAND DEPARTMENT HOUSTON, TX 772104324	OGRID: 234137
	Action Number: 203573
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	4/10/2023