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

State of New Mexico
Energy Minerals and Natural Resources

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

RECEIVED
SEP 22 2010
HOBBSOCD

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Enterprise Crude Pipeline	Contact Jennifer Corser
Address c/o Environ. Dept. PO Box 2521 Houston, TX 77252	Telephone No. 432-230-1414
Facility Name C-13 Line	Facility Type Pipeline

Surface Owner Brian Ussery	Mineral Owner N/A	Lease No.N/A

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	31	19S	39E					

Latitude N32.6110 **Longitude** W103.0763

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 10 bbls	Volume Recovered 1bbls
Source of Release Pipeline	Date and Hour of Occurrence 5-10-10 5:30PM	Date and Hour of Discovery 5-10-10 6:00PM
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? Geoffery Leking	
By Whom? Kyle Waggoner, Talon LPE	Date and Hour 5-20-10 10:00 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*
Leak was developed due to pipeline corrosion. Leak was initially thought to be under 5 bbls, once excavations began on 5-20-10, the leak appeared to be closer to reportable quantities. Excavations began on the 5-19-2010 for pipeline excavations, actually remedial activities began 5-20-2010. Please find attached report for all remedial activities.

Describe Area Affected and Cleanup Action Taken.*

See attached report.

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

Signature:	OIL CONSERVATION DIVISION
Printed Name: Jennifer Corser	Approved by ENV ENGINEER: ~~District Supervisor:~~ Geoffery Leking
Title: Field Environmental Scientist	Approval Date: 09/29/10 Expiration Date: —
E-mail Address: jhcorser@eprod.com	Conditions of Approval: Attached ☐ IR-10-5-2537
Date: 9-22-2010 Phone: 432-230-1414	

* Attach Additional Sheets If Necessary

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

AUSTIN
3003 Tom Gary Cove
Building C-100
Round Rock, Texas 78664
Phone 512.989.3428
Fax 512.989.3487

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88241
Phone 505.393.4261
Fax 505.393.4658

MIDLAND
2901 State Highway 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

SAN ANTONIO
17170 Jordan Road
Suite 102
Selma, Texas 78154
Phone 210.579.0235
Fax 210.568.2191

TULSA
9906 East 43rd Street
Suite G
Tulsa, Oklahoma 74146
Phone 918.742.0871
Fax 918.742.0876

TYLER
719 West Front Street
Suite 255
Tyler, Texas 75702
Phone 903.531.9971
Fax 903.531.9979

SOIL CLOSURE REPORT
ENTERPRISE HOBBS C-13 8" PIPELINE
LEA COUNTY, NEW MEXICO

PREPARED FOR:

ENTERPRISE CRUDE PIPELINE, LLC
4500 EAST HIGHWAY 80
MIDLAND, TEXAS 79706

PREPARED BY:

TALON/LPE
2901 STATE HIGHWAY 349
MIDLAND, TEXAS 79706

DISTRIBUTION:
COPY 1 – ENTERPRISE – MIDLAND
COPY 3 – NMOCD – HOBBS
COPY 4 – TALON/LPE

SEPTEMBER 21, 2010

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
EMERGENCY RESPONSE

Toll Free: 866.742.0742
www.talonlpe.com

SITE CLOSURE REPORT

ENTERPRISE HOBBS C-13 8" PIPELINE
LEA COUNTY, NEW MEXICO

ENTERPRISE CRUDE PIPELINE, LLC
4500 EAST HIGHWAY 80
MIDLAND, TEXAS 79706

TALON/LPE PROJECT NO. 700348.009.01

Prepared by:

Shyla Harris
Environmental Scientist

Steve Killingworth
Senior Project Manager

Talon/LPE
2901 State Highway 349
Midland, Texas 79706

SEPTEMBER 21, 2010

TABLE OF CONTENTS

APPENDICES

1.0 INTRODUCTION

1.1 Objectives and Site Background

Talon/LPE (Talon) was retained by Enterprise Crude Pipeline, LLC (Enterprise) to conduct an assessment and remediation activities at the Hobbs C-13 8" pipeline release site located in Lea County, New Mexico. The purpose of this report is to summarize the assessment and remediation activities conducted at this site and to document the current conditions supporting closure of this site.

The Hobbs C-13 8" pipeline release site is located approximately eight (8) miles southeast of Hobbs in Lea County, New Mexico. The GPS coordinates for the site are 32.61047° N latitude and 103.07596° W longitude. The site is located in a rural area with no residences or surface water within a 1,000 foot radius. A Site Location and Topographic Map is provided as Figure 1. The aerial photograph of the location is provided as Figure 2.

A crude oil release occurred at the site on May 10, 2010. Initially the release was thought to be under five (5) bbls, but once excavation began on May 20, 2010, the release appeared to be of a reportable quantity. Enterprise personnel estimated that 10 bbls of crude oil was released and one (1) bbl was recovered during emergency response activities. The release was verbally reported to the New Mexico Oil Conservation Division (NMOCD) on May 20, 2010, and the initial C-141 Form was submitted to the NMOCD on May 20, 2010 (see Appendix H). The final C-141 Form is located in Appendix H. The release was the result of internal corrosion on the Enterprise Hobbs C-13 8" steel pipeline.

1.2 Regulatory Framework

1.2.1 Soil Delineation and Remediation

The NMOCD has developed guidance for all federal, state, and fee lands in New Mexico for remediating contaminants resulting from leaks, spills, and releases of oilfield wastes or products. In accordance to the NMOCD guidance and approval from Mr. Geoffrey Leking (NMOCD), the remedial thresholds for benzene, Total BTEX (benzene, toluene, ethylbenzene, and xylenes), and total petroleum hydrocarbons (TPH) were based on depth to groundwater, distance from water supply sources, and distance to surface water bodies. Based on site visits, the Hobbs C-13 8" pipeline site is located in a rural area with no permanent residence or surface water within a 1,000 foot radius of the release point. According to information available from the New Mexico Office of the State Engineer, the nearest water well is not within 1,000 feet of the site. The depth to groundwater at the site is 85.97 feet below ground surface (bgs) as measured in the boring installed at the site. The final excavation measured a total depth of 20 feet bgs, and the final vertical extent of hydrocarbon impact to the soil determined during soil boring activities measured a total depth of 25 feet bgs (see Section 3.3).

According to NMOCD guidance and with approval from Mr. Geoffrey Leking (NMOCD), the following NMOCD assessment limits were used to define the extent of the investigation and/or excavation were required:

Constituent	Regulatory Limits (mg/Kg)
Total TPH	1,000
Benzene	10
BTEX	50
Chlorides	250

2.0 INITIAL SITE ACTIVITIES

2.1 Soil Excavation Activities

Enterprise retained Lobo's Services Inc. (Lobo) to assist in pipeline repair and provide heavy equipment for the initial site activities. The initial response activities began on May 10, 2010. One (1) bbl of the estimated 10 bbl of released crude oil was recovered utilizing a vacuum truck. Lobo scraped the crude oil affected surface soils and began locating and uncovering the damaged pipeline. General aerial photograph of the location is provided as Figure 2. Photographs of the release area are provided in Appendix D.

While recovery and response activities were being conducted, Enterprise and Lobo personnel repaired the 8" pipeline, which was subsequently placed back into service.

3.0 SOIL EXCAVATION AND REMEDIATION ACTIVITIES

3.1 Remedial Excavation Activities

Enterprise retained TalonLPE (Talon) to conduct environmental over-site, and Lobo to provide heavy equipment for excavation and remediation activities. Lobos conducted soil excavation activities on May 20 to 21, 2009. The final limits of the excavation measured approximately 20 feet in width, 28 feet in length, and a depth ranging between 4 to 20 feet in the source area and 4 feet in width, 260 feet in length, and an approximate 2.5 feet in depth along the flow path. The Excavation Details Map, Figure 3, depicts the final excavation limits. Photographic documentation is presented in Appendix D.

The excavation limits were determined during excavation activities using visual and olfactory indicators. Laboratory analyses of the soil samples collected at side walls and bottom of excavation were used to determine when cleanup levels were achieved. Details of the soil sampling activities and certified laboratory results are presented in Section 4.0 of this report.

Excavated soil was immediately loaded into dump trucks for transport. Approximately 220 yards of affected soil was excavated, transported, and disposed of at Sundance Services, Inc. (Sundance). Disposal documentation is presented in Appendix F.

3.2 Backfill, Compaction and Site Grading Activities

Following verbal approval from Mr. Geoffrey Leking (NMOCD) on May 20, 2010, the excavation was backfilled and compacted since the spill area was located on an industrious lease road. The soil cover consisted of approximately 220 yards of compacted non-impacted containing, earthen material obtained from an off-site source. The area was compacted with heavy tracked equipment and the lease road was subsequently placed back into service.

3.3 Limited Site Assessment Activities

On July 23, 2010, Talon conducted a limited site assessment to vertically delineate the extent of the crude oil impact. During the site investigation Mr. Geoffrey Leking (NMOCD) was on location. Talon utilized an air rotary drill equipped with an eight (8) inch bit to advance three (3) borings. Boring location BH-3, total depth of 10 bgs, and the boring location BH-5, total depth of 50 feet bgs, were advanced to determine the vertical extent of the crude oil impact. Soil samples were field screened with a photo-ionization detector (PID). PID readings ranged zero parts per million (ppm) to 42.1 ppm. Due to the uncertainty of the depth to groundwater, another boring (BH-6) was advanced to 90 feet. The depth to groundwater was measured at 85.97 feet bgs. Soil samples were collected with a split spoon sampler. Details of the soil sampling activities and certified laboratory results are presented in Section 4.0 of this report. The locations of the soil borings are presented on Figure 3. Soil boring logs are provided as Appendix E.

4.0 SOIL SAMPLING ACTIVITIES

4.1 Soil Characterization Sampling

4.1.1 Sample Collection

On May 19, 2010, a composite soil characterization sample (SP) was collected from the excavated soil stockpile for disposal at the landfill (Sundance). The soil sample was collected by Talon using industry accepted standard operating procedures. These procedures include wearing new, clean nitrile gloves, and collecting laboratory samples using disposable hand tools (when applicable) to prevent cross-contamination.

The collected waste soil characterization sample was packed in laboratory provided sample container, immediately placed on ice, and transported to TraceAnalysis in Midland, Texas for quantification of benzene, toluene, ethylbenzene, xylenes (BTEX) by EPZ SW-846 Method-8021B. All analytical testing was performed on a standard turn-around basis.

4.1.2 Analytical Results

Analytical results indicate the sample was acceptable for soil disposal at Sundance. Copies of the laboratory analytical results and chain of custody documentation are presented in Appendix C. A summary of the characterization soil sample analytical results for the landfill is presented as Table 1.

4.2 Excavation Confirmation Soil Sampling

4.2.1 Sample Collection

Seven (7) discrete confirmation soil samples were collected from five (5) locations within the excavation. During soil boring activities, the confirmation soil samples were collected at a deeper depth where necessary to achieve the required concentrations at tow (2) sample locations (BH-3 and BH-5). With the approval from Mr. Geoffrey Leking (NMOCD) the constituents sampled on the soil borings were only analyzed for the constituents that were above the NMOCD remedial thresholds. Additional soil samples were collected form the soil borings. Boring samples from the split spoons were collected every five (5) feet below the bottom of the excavation. The boring samples that did not exceed the NMOCD remedial thresholds were collected five (5) feet below the base of the excavation so the samples collected at deeper depths were not analyzed. Confirmation soil samples were collected by Talon personnel using a minimum headspace technique by the procedure presented in Section 4.1.1. Confirmation soil sampling locations are depicted on Figure 3.

The collected samples were placed in laboratory provided sample containers, immediately placed in an ice-chilled cooler, and transported to TraceAnalysis in Midland, Texas. The samples were analyzed for was benzene, toluene, ethylbenzene, xylenes (BTEX) by EPA SW-846 Method 8021B, TPH analysis using Method TX1005 extended to C_{35}, and chlorides (titration) by EPA Method 4500-Cl B.

4.2.2 Analytical Results

Laboratory analytical results indicate chloride concentrations did not exceed laboratory

reporting limit of <200 mg/Kg.

Laboratory analytical results indicate that no TPH concentrations (C_6-C_{35}) exceeded the NMOCD remedial threshold of 1,000 mg/Kg. The final TPH concentrations ranged from below the laboratory reporting limit (<50.0 mg/Kg) to 766 mg/Kg (BH-2).

Laboratory analytical results indicate that no BTEX or benzene concentrations exceeded the NMOCD remedial thresholds of 50 mg/Kg for total BTEX and 10 mg/Kg for benzene. The laboratory analytical results indicate total BTEX for concentrations did not exceed the laboratory reporting limits (<0.0100 to <0.100 mg/kg). The laboratory analytical results indicate the benzene concentration ranged from below the laboratory reporting limits (<0.0200 to <0.0600 mg/Kg) to 2.27 mg/Kg (BH-3).

Copies of the laboratory analytical results and chain of custody documentation are presented in Appendix C. A summary of the excavation confirmation soil sample analytical results are presented as Table 2.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

- A crude oil release occurred at the site on May 10, 2010. Enterprise personnel estimated that one (1) bbl of the estimated ten (10) bbl were recovered during emergency response activities.

- Approximately 220 cubic yards of crude oil affected soil was hauled to Sundance. Approximately 220 cubic yards of soil was transported on location and utilized as backfill material.

- Soil samples were collected from the excavated soil for disposal and the excavated soil throughout the soil remediation activities.

- All final soil samples indicate benzene (10 mg/Kg), Total BTEX (50 mg/Kg), TPH (1,000 mg/Kg), and chloride (250 mg/Kg) concentrations are below the NMOCD Remedial Thresholds.

5.2 Recommendations

Based on laboratory analytical results for soil samples collected from the excavation and during the limited site assessment, the benzene, Total BTEX, TPH, and chloride concentrations are below NMOCD Remedial Thresholds. On August 11, 2010, Mr. Geoffrey Leking (NMOCD) gave approval for a closure report to be submitted to the NMOCD.

APPENDIX A

FIGURES

APPENDIX B

TABLES

APPENDIX C

LABORATORY ANALYTICAL DATA REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

APPENDIX D

PHOTOGRAPHIC DOCUMENTATION

APPENDIX E

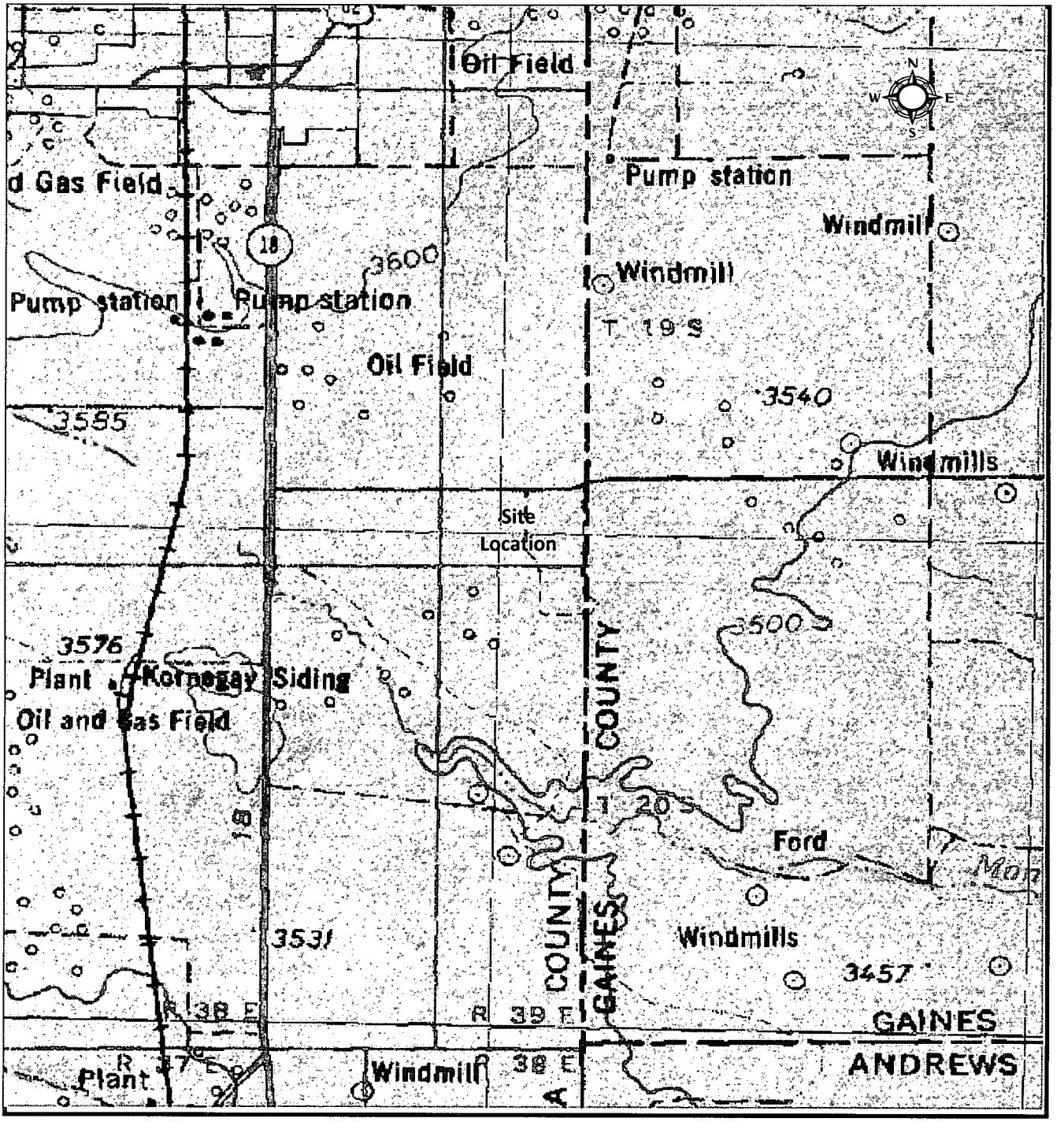
BORING LOGS

APPENDIX F

DISPOSAL DOCUMENATION

APPENDIX G

NMOCD DOCUMENTATION FORM C-141



TALON LPE

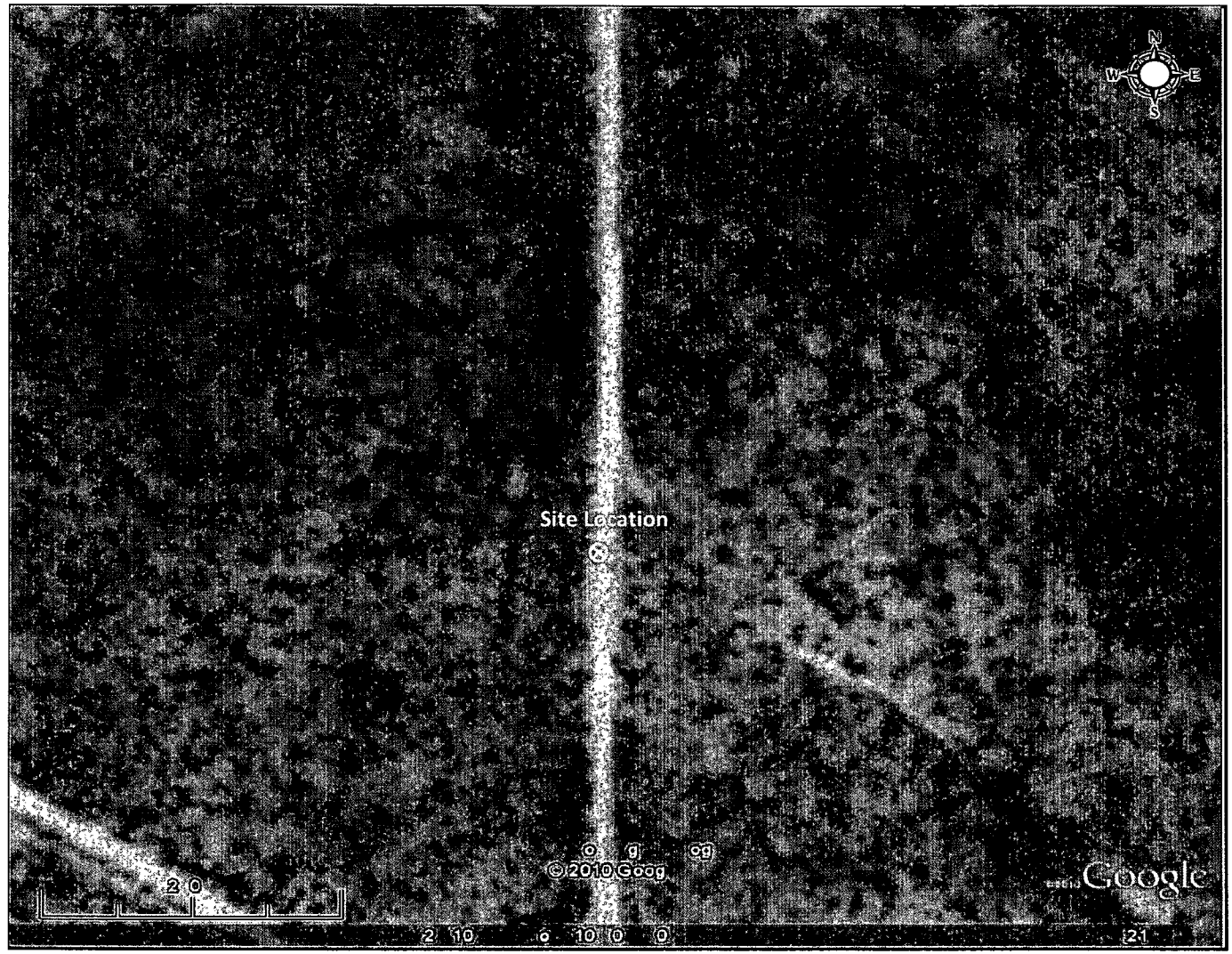
Quad: USGS Hobbs
Source Scale: 1:250,000

Site Location: 32.61047°N, 103.07596 °W

C-13 Hobbs Line 8"

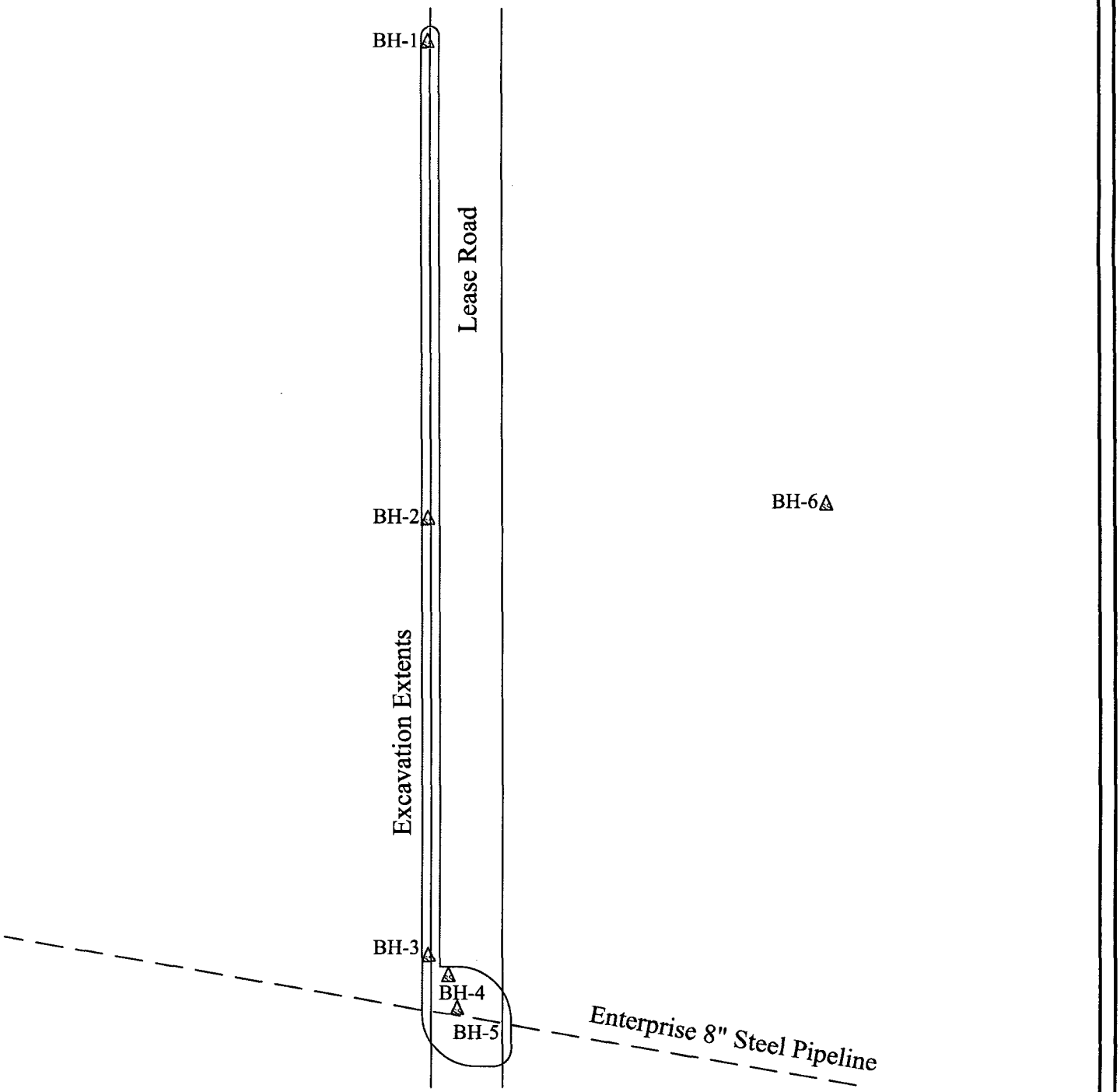
Enterprise Crude Pipeline, LLC.
Lea County, NM

Figure 1 - Site Location and Topographic Map



TALON LPE

C-13 Hobbs Line 8"
Enterprise Crude Pipeline, LLC.
Lea County, NM
Figure 2- Aerial Photograph



*Note - The depth of BH-5 ~ 20'
Depth of Trench Area
(BH-1, BH-2, and BH-3) ~ 2.5'.

TALON LPE

Date: 09/10/2010	C-13 Hobbs Line 8"
Scale: 1" = 40'	Enterprise Crude Pipeline, LLC.
Drawn By: WBS	Lea County, New Mexico
	Figure 3 - Excavation Details Map

TABLE 1
SUMMARY OF SOIL CHARACTERIZATION ANALYTICAL DATA
Enterprise C-13 Hobbs Line 8"
TalonLPE Project Number 700348.009.01

Sample ID	Sample Date	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	BTEX (mg/Kg)
SP	05/19/10	<0.0100	0.334	0.901	2.48	3.72

TABLE 2
SUMMARY OF SOIL ANALYTICAL DATA
Enterprise C-13 Hobbs Line 8"
TalonLPE Project Number 700348.009.01

Sample Location (BH)	Sample ID	Sample Depth (bgs[3])	Sample Date	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	BTEX (mg/Kg)	Chloride (mg/Kg)	TPH[4] (C6-C12) (mg/Kg)	TPH[4] (>C12-C35) (mg/Kg)	TPH[4] (mg/Kg)
BH-1	BH-1	2.5	5/20/2010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0600	<200	<50.0	83	83
BH-2	BH-2	2.5	5/20/2010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0600	<200	<50.0	766	766
BH3	BH-3	2.5	5/20/2010	<0.100	0.134	0.459	1.68	2.27	<200	93	1566.5	**1,659.5**
	BH-3-5'	5	7/23/2010	NA	NA	NA	NA	NA	NA	<50.0	<50.0	<50.0
BH4	BH-4	2.5	5/20/2010	<0.0100	<0.0100	<0.0100	0.0576	<0.0600	<200	<50.0	<50.0	<50.0
BH5	BH-5	20	5/20/2010	1.24	27.3	21.4	50.3	**100**	<200	507	972	**1,479**
	BH-5-25'	25	7/23/2010	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	<50.0	<50.0	<50.0
NMOCD Remedial Thresholds				**10**				**50**	**250**			**1,000**

[1] *Bolded values are in excess of the NMOCD Remediation Thresholds*

[2] *NA : Not Analyzed*

[3] *bgs : feet below ground surface*

[4] *TPH : Total Petroleum Hydrocarbons*

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Kyle Waggoner
Talon LPE-Midland
2901 State Highway 349
Midland, TX, 79706

Report Date: May 26, 2010

Work Order: 10052422

Project Name: Teppco C-13 Hobbs Line 8 in.
Project Number: 700348.009.01

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
232649	SP	soil	2010-05-19	15:30	2010-05-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Teppco C-13 Hobbs Line 8 in. were received by TraceAnalysis, Inc. on 2010-05-24 and assigned to work order 10052422. Samples for work order 10052422 were received intact at a temperature of 4.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	60276	2010-05-25 at 15:30	70391	2010-05-25 at 16:50
Total BTEX	S 8021B	60276	2010-05-25 at 15:30	70391	2010-05-25 at 16:50

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10052422 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 232649 - SP

Laboratory:	Midland				
Analysis:	BTEX, Total BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	70391	Date Analyzed:	2010-05-25	Analyzed By:	AG
Prep Batch:	60276	Sample Preparation:	2010-05-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		**0.334**	mg/Kg	1	0.0100
Ethylbenzene		**0.901**	mg/Kg	1	0.0100
Xylene		**2.48**	mg/Kg	1	0.0100
Total BTEX		**3.72**	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[1]	0.974	mg/Kg	1	2.00	49	60.4 - 141.2
4-Bromofluorobenzene (4-BFB)		1.52	mg/Kg	1	2.00	76	43.1 - 158.4

Method Blank (1) QC Batch: 70391

QC Batch:	70391	Date Analyzed:	2010-05-25	Analyzed By:	AG
Prep Batch:	60276	QC Preparation:	2010-05-25	Prepared By:	AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00410	mg/Kg	0.01
Toluene		<0.00310	mg/Kg	0.01
Ethylbenzene		<0.00240	mg/Kg	0.01
Xylene		<0.00650	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.30	mg/Kg	1	2.00	65	64.9 - 142.7
4-Bromofluorobenzene (4-BFB)		1.25	mg/Kg	1	2.00	62	43.9 - 141.9

Laboratory Control Spike (LCS-1)

QC Batch:	70391	Date Analyzed:	2010-05-25	Analyzed By:	AG
Prep Batch:	60276	QC Preparation:	2010-05-25	Prepared By:	AG

[1] Surrogate out due to peak interference.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.97	mg/Kg	1	2.00	<0.00410	98	75.4 - 115.7
Toluene	1.97	mg/Kg	1	2.00	<0.00310	98	78.4 - 113.6
Ethylbenzene	1.98	mg/Kg	1	2.00	<0.00240	99	76 - 114.2
Xylene	5.96	mg/Kg	1	6.00	<0.00650	99	76.9 - 113.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.95	mg/Kg	1	2.00	<0.00410	98	75.4 - 115.7	1	20
Toluene	1.96	mg/Kg	1	2.00	<0.00310	98	78.4 - 113.6	0	20
Ethylbenzene	1.97	mg/Kg	1	2.00	<0.00240	98	76 - 114.2	0	20
Xylene	5.94	mg/Kg	1	6.00	<0.00650	99	76.9 - 113.6	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.91	1.70	mg/Kg	1	2.00	96	85	65 - 142.9
4-Bromofluorobenzene (4-BFB)	1.94	1.73	mg/Kg	1	2.00	97	86	43.8 - 144.9

Matrix Spike (MS-1) Spiked Sample: 232653

QC Batch: 70391 | Date Analyzed: 2010-05-25 | Analyzed By: AG
Prep Batch: 60276 | QC Preparation: 2010-05-25 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.84	mg/Kg	1	2.00	<0.00410	92	57.7 - 140.7
Toluene	1.85	mg/Kg	1	2.00	<0.00310	92	53.4 - 146.6
Ethylbenzene	1.93	mg/Kg	1	2.00	<0.00240	96	62.1 - 141.6
Xylene	5.78	mg/Kg	1	6.00	0.0576	95	61.2 - 142.7

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	[2]	2.35	mg/Kg	1	2.00	<0.00410	118	57.7 - 140.7	24	20
Toluene	[3]	2.37	mg/Kg	1	2.00	<0.00310	118	53.4 - 146.6	25	20
Ethylbenzene	[4]	2.46	mg/Kg	1	2.00	<0.00240	123	62.1 - 141.6	24	20
Xylene	[5]	7.42	mg/Kg	1	6.00	0.0576	123	61.2 - 142.7	25	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[2]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[3]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[4]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[5]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.47	1.63	mg/Kg	1	2	74	82	61.7 - 139.6
4-Bromofluorobenzene (4-BFB)	1.49	1.64	mg/Kg	1	2	74	82	49.6 - 146.7

Standard (CCV-1)

QC Batch: 70391 Date Analyzed: 2010-05-25 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0917	92	80 - 120	2010-05-25
Toluene		mg/Kg	0.100	0.0932	93	80 - 120	2010-05-25
Ethylbenzene		mg/Kg	0.100	0.0939	94	80 - 120	2010-05-25
Xylene		mg/Kg	0.300	0.284	95	80 - 120	2010-05-25

Standard (CCV-2)

QC Batch: 70391 Date Analyzed: 2010-05-25 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0968	97	80 - 120	2010-05-25
Toluene		mg/Kg	0.100	0.0975	98	80 - 120	2010-05-25
Ethylbenzene		mg/Kg	0.100	0.0968	97	80 - 120	2010-05-25
Xylene		mg/Kg	0.300	0.291	97	80 - 120	2010-05-25

LAB Order ID # 10052422 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: TalonLPE
Phone #: 432-522-2133
Address: (Street, City, Zip) 2901 State Hwy 349
Fax #: 432-522-2180
Contact Person: Kyle Waggoner
E-mail: kwaggoner@talonlpc.com
Invoice to: (If different from above)
Project #: 700348.009.01
Project Name: Teppco C-13 Hobbs Line 8"
Project Location (including state):
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
232649	SP	1	4oz		X							X		5/19/10	15:30

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
	X																	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
	TalonLPE	5/24/10	12:17		Trace Analysis	5.24.10	1207	4°C

LAB USE ONLY
Intact Y N
Headspace Y N NA
Log-In-Review

REMARKS:
24 hr. Rush

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

All tests Midland

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Carrier

ORIGINAL COPY

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Kyle Waggoner
Talon LPE-Midland
2901 State Highway 349
Midland, TX, 79706

Report Date: May 26, 2010

Work Order: 10052423

Project Name: Teppco C-13 Hobbs Line 8 in.
Project Number: 700348.009.01

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
232650	BH-1	soil	2010-05-20	09:30	2010-05-24
232651	BH-2	soil	2010-05-20	09:35	2010-05-24
232652	BH-3	soil	2010-05-20	09:40	2010-05-24
232653	BH-4	soil	2010-05-20	09:45	2010-05-24
232654	BH-5	soil	2010-05-20	15:45	2010-05-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Teppco C-13 Hobbs Line 8 in. were received by TraceAnalysis, Inc. on 2010-05-24 and assigned to work order 10052423. Samples for work order 10052423 were received intact at a temperature of 4.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	60276	2010-05-25 at 15:30	70391	2010-05-25 at 16:50
Chloride (Titration)	SM 4500-Cl B	60199	2010-05-24 at 09:13	70333	2010-05-25 at 09:55
Total BTEX	S 8021B	60276	2010-05-25 at 15:30	70391	2010-05-25 at 16:50
TPH - Extended Ranges New	TX1005	60203	2010-05-24 at 14:17	70310	2010-05-24 at 14:17

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10052423 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 232650 - BH-1

Laboratory:	Midland				
Analysis:	BTEX, Total BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	70391	Date Analyzed:	2010-05-25	Analyzed By:	AG
Prep Batch:	60276	Sample Preparation:	2010-05-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100
Total BTEX		<0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.94	mg/Kg	1	2.00	97	60.4 - 141.2
4-Bromofluorobenzene (4-BFB)		1.92	mg/Kg	1	2.00	96	43.1 - 158.4

Sample: 232650 - BH-1

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	70333	Date Analyzed:	2010-05-25	Analyzed By:	AR
Prep Batch:	60199	Sample Preparation:	2010-05-25	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 232650 - BH-1

Laboratory:	Midland				
Analysis:	TPH - Extended Ranges New	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	70310	Date Analyzed:	2010-05-24	Analyzed By:	kg
Prep Batch:	60203	Sample Preparation:	2010-05-24	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
C6-C12		<50.0	mg/Kg	1	50.0
>C12-C28		<50.0	mg/Kg	1	50.0
>C28-C35		**83.0**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		125	mg/Kg	1	100	125	10 - 239
n-Octane		107	mg/Kg	1	100	107	10 - 239
n-Tricosane		105	mg/Kg	1	100	105	10 - 239

Sample: 232651 - BH-2

Laboratory:	Midland				
Analysis:	BTEX, Total BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	70391	Date Analyzed:	2010-05-25	Analyzed By:	AG
Prep Batch:	60276	Sample Preparation:	2010-05-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100
Total BTEX		<0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.63	mg/Kg	1	2.00	82	60.4 - 141.2
4-Bromofluorobenzene (4-BFB)		1.60	mg/Kg	1	2.00	80	43.1 - 158.4

Sample: 232651 - BH-2

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	70333	Date Analyzed:	2010-05-25	Analyzed By:	AR
Prep Batch:	60199	Sample Preparation:	2010-05-25	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 232651 - BH-2

Laboratory:	Midland				
Analysis:	TPH - Extended Ranges New	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	70310	Date Analyzed:	2010-05-24	Analyzed By:	kg
Prep Batch:	60203	Sample Preparation:	2010-05-24	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
C6-C12		<50.0	mg/Kg	1	50.0
>C12-C28		**766**	mg/Kg	1	50.0
>C28-C35		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		156	mg/Kg	1	100	156	10 - 239
n-Octane		116	mg/Kg	1	100	116	10 - 239
n-Tricosane		207	mg/Kg	1	100	207	10 - 239

Sample: 232652 - BH-3

Laboratory:	Midland				
Analysis:	BTEX, Total BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	70391	Date Analyzed:	2010-05-25	Analyzed By:	AG
Prep Batch:	60276	Sample Preparation:	2010-05-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.100	mg/Kg	10	0.0100
Toluene		**0.134**	mg/Kg	10	0.0100
Ethylbenzene		**0.459**	mg/Kg	10	0.0100
Xylene		**1.68**	mg/Kg	10	0.0100
Total BTEX		**2.27**	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.3	mg/Kg	10	10.0	103	60.4 - 141.2
4-Bromofluorobenzene (4-BFB)		10.5	mg/Kg	10	10.0	105	43.1 - 158.4

Sample: 232652 - BH-3

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	70333	Date Analyzed:	2010-05-25	Analyzed By:	AR
Prep Batch:	60199	Sample Preparation:	2010-05-25	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 232652 - BH-3

Laboratory:	Midland				
Analysis:	TPH - Extended Ranges New	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	70310	Date Analyzed:	2010-05-24	Analyzed By:	kg
Prep Batch:	60203	Sample Preparation:	2010-05-24	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
C6-C12		**93.0**	mg/Kg	1	50.0
>C12-C28		**1480**	mg/Kg	1	50.0
>C28-C35		**86.5**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		179	mg/Kg	1	100	179	10 - 239
n-Octane		111	mg/Kg	1	100	111	10 - 239
n-Tricosane	[1]	273	mg/Kg	1	100	273	10 - 239

Sample: 232653 - BH-4

Laboratory:	Midland				
Analysis:	BTEX, Total BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	70391	Date Analyzed:	2010-05-25	Analyzed By:	AG
Prep Batch:	60276	Sample Preparation:	2010-05-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		**0.0576**	mg/Kg	1	0.0100
Total BTEX		<0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.34	mg/Kg	1	2.00	117	60.4 - 141.2
4-Bromofluorobenzene (4-BFB)		2.30 [q]	mg/Kg	1	2.00	115	43.1 - 158.4

Sample: 232653 - BH-4

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	70333	Date Analyzed:	2010-05-25	Analyzed By:	AR
Prep Batch:	60199	Sample Preparation:	2010-05-25	Prepared By:	AR

[1] High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 232653 - BH-4

Laboratory:	Midland				
Analysis:	TPH - Extended Ranges New	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	70310	Date Analyzed:	2010-05-24	Analyzed By:	kg
Prep Batch:	60203	Sample Preparation:	2010-05-24	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
C6-C12		<50.0	mg/Kg	1	50.0
>C12-C28		<50.0	mg/Kg	1	50.0
>C28-C35		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		120	mg/Kg	1	100	120	10 - 239
n-Octane		123	mg/Kg	1	100	123	10 - 239
n-Tricosane		99.4	mg/Kg	1	100	99	10 - 239

Sample: 232654 - BH-5

Laboratory:	Midland				
Analysis:	BTEX, Total BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	70391	Date Analyzed:	2010-05-25	Analyzed By:	AG
Prep Batch:	60276	Sample Preparation:	2010-05-25	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**1.24**	mg/Kg	20	0.0100
Toluene		**27.3**	mg/Kg	20	0.0100
Ethylbenzene		**21.4**	mg/Kg	20	0.0100
Xylene		**50.3**	mg/Kg	20	0.0100
Total BTEX		**100**	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		21.3	mg/Kg	20	20.0	106	60.4 - 141.2
4-Bromofluorobenzene (4-BFB)		28.8	mg/Kg	20	20.0	144	43.1 - 158.4

Sample: 232654 - BH-5

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	70333	Date Analyzed:	2010-05-25	Analyzed By:	AR
Prep Batch:	60199	Sample Preparation:	2010-05-25	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 232654 - BH-5

Laboratory:	Midland				
Analysis:	TPH - Extended Ranges New	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	70310	Date Analyzed:	2010-05-24	Analyzed By:	kg
Prep Batch:	60203	Sample Preparation:	2010-05-24	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
C6-C12		**507**	mg/Kg	1	50.0
>C12-C28		**972**	mg/Kg	1	50.0
>C28-C35		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		130	mg/Kg	1	100	130	10 - 239
n-Octane		139	mg/Kg	1	100	139	10 - 239
n-Tricosane		193	mg/Kg	1	100	193	10 - 239

Method Blank (1) QC Batch: 70310

QC Batch:	70310	Date Analyzed:	2010-05-24	Analyzed By:	kg
Prep Batch:	60203	QC Preparation:	2010-05-24	Prepared By:	kg

Parameter	Flag	MDL Result	Units	RL
C6-C12		<4.86	mg/Kg	50
>C12-C28		<8.55	mg/Kg	50
>C28-C35		<8.55	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		115	mg/Kg	1	100	115	10 - 239
n-Octane		133	mg/Kg	1	100	133	10 - 239

continued ...

method blank continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		97.4	mg/Kg	1	100	97	10 - 239

Method Blank (1) QC Batch: 70333

QC Batch: 70333 Date Analyzed: 2010-05-25 Analyzed By: AR
Prep Batch: 60199 QC Preparation: 2010-05-24 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<2.18	mg/Kg	4

Method Blank (1) QC Batch: 70391

QC Batch: 70391 Date Analyzed: 2010-05-25 Analyzed By: AG
Prep Batch: 60276 QC Preparation: 2010-05-25 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00410	mg/Kg	0.01
Toluene		<0.00310	mg/Kg	0.01
Ethylbenzene		<0.00240	mg/Kg	0.01
Xylene		<0.00650	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.30	mg/Kg	1	2.00	65	64.9 - 142.7
4-Bromofluorobenzene (4-BFB)		1.25	mg/Kg	1	2.00	62	43.9 - 141.9

Laboratory Control Spike (LCS-1)

QC Batch: 70310 Date Analyzed: 2010-05-24 Analyzed By: kg
Prep Batch: 60203 QC Preparation: 2010-05-24 Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
C6-C12	298	mg/Kg	1	250	<4.86	119	43.2 - 123
>C12-C28	294	mg/Kg	1	250	<8.55	118	53.6 - 137

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
C6-C12	293	mg/Kg	1	250	<4.86	117	43.2 - 123	2	20
>C12-C28	308	mg/Kg	1	250	<8.55	123	53.6 - 137	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	116	131	mg/Kg	1	100	116	131	28.4 - 177
n-Octane	150	173	mg/Kg	1	100	150	173	28.4 - 177
n-Tricosane	105	112	mg/Kg	1	100	105	112	28.4 - 177

Laboratory Control Spike (LCS-1)

QC Batch: 70333 | Date Analyzed: 2010-05-25 | Analyzed By: AR
Prep Batch: 60199 | QC Preparation: 2010-05-24 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.4	mg/Kg	1	100	<2.18	98	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	100	mg/Kg	1	100	<2.18	100	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 70391 | Date Analyzed: 2010-05-25 | Analyzed By: AG
Prep Batch: 60276 | QC Preparation: 2010-05-25 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.97	mg/Kg	1	2.00	<0.00410	98	75.4 - 115.7
Toluene	1.97	mg/Kg	1	2.00	<0.00310	98	78.4 - 113.6
Ethylbenzene	1.98	mg/Kg	1	2.00	<0.00240	99	76 - 114.2
Xylene	5.96	mg/Kg	1	6.00	<0.00650	99	76.9 - 113.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.95	mg/Kg	1	2.00	<0.00410	98	75.4 - 115.7	1	20
Toluene	1.96	mg/Kg	1	2.00	<0.00310	98	78.4 - 113.6	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ethylbenzene	1.97	mg/Kg	1	2.00	<0.00240	98	76 - 114.2	0	20
Xylene	5.94	mg/Kg	1	6.00	<0.00650	99	76.9 - 113.6	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.91	1.70	mg/Kg	1	2.00	96	85	65 - 142.9
4-Bromofluorobenzene (4-BFB)	1.94	1.73	mg/Kg	1	2.00	97	86	43.8 - 144.9

Matrix Spike (MS-1) Spiked Sample: 232653

QC Batch: 70310 | Date Analyzed: 2010-05-24 | Analyzed By: kg
Prep Batch: 60203 | QC Preparation: 2010-05-24 | Prepared By: kg

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
C6-C12	243	mg/Kg	1	250	<4.86	97	18.8 - 121
>C12-C28	250	mg/Kg	1	250	<8.55	100	10 - 196

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
C6-C12	245	mg/Kg	1	250	<4.86	98	18.8 - 121	1	20
>C12-C28	257	mg/Kg	1	250	<8.55	103	10 - 196	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	113	115	mg/Kg	1	100	113	115	30.8 - 176
n-Octane	121	122	mg/Kg	1	100	121	122	30.8 - 176
n-Tricosane	92.9	96.0	mg/Kg	1	100	93	96	30.8 - 176

Matrix Spike (MS-1) Spiked Sample: 231598

QC Batch: 70333 | Date Analyzed: 2010-05-25 | Analyzed By: AR
Prep Batch: 60199 | QC Preparation: 2010-05-24 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10700	mg/Kg	100	10000	470	102	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	10900	mg/Kg	100	10000	470	104	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 232653

QC Batch: 70391 | Date Analyzed: 2010-05-25 | Analyzed By: AG
Prep Batch: 60276 | QC Preparation: 2010-05-25 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.84	mg/Kg	1	2.00	<0.00410	92	57.7 - 140.7
Toluene	1.85	mg/Kg	1	2.00	<0.00310	92	53.4 - 146.6
Ethylbenzene	1.93	mg/Kg	1	2.00	<0.00240	96	62.1 - 141.6
Xylene	5.78	mg/Kg	1	6.00	0.0576	95	61.2 - 142.7

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	[2]	2.35	mg/Kg	1	2.00	<0.00410	118	57.7 - 140.7	24	20
Toluene	[3]	2.37	mg/Kg	1	2.00	<0.00310	118	53.4 - 146.6	25	20
Ethylbenzene	[4]	2.46	mg/Kg	1	2.00	<0.00240	123	62.1 - 141.6	24	20
Xylene	[5]	7.42	mg/Kg	1	6.00	0.0576	123	61.2 - 142.7	25	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.47	1.63	mg/Kg	1	2	74	82	61.7 - 139.6
4-Bromofluorobenzene (4-BFB)	1.49	1.64	mg/Kg	1	2	74	82	49.6 - 146.7

Standard (CCV-1)

QC Batch: 70310 | Date Analyzed: 2010-05-24 | Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		mg/Kg	250	282	113	75 - 125	2010-05-24
>C12-C28		mg/Kg	250	258	103	75 - 125	2010-05-24

[2]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[3]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[4]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[5]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.

Standard (CCV-2)

QC Batch: 70310 | Date Analyzed: 2010-05-24 | Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		mg/Kg	250	277	111	75 - 125	2010-05-24
>C12-C28		mg/Kg	250	294	118	75 - 125	2010-05-24
>C28-C35		mg/Kg	0.00	26.9		75 - 125	2010-05-24

Standard (CCV-3)

QC Batch: 70310 | Date Analyzed: 2010-05-24 | Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		mg/Kg	250	260	104	75 - 125	2010-05-24
>C12-C28		mg/Kg	250	264	106	75 - 125	2010-05-24

Standard (ICV-1)

QC Batch: 70333 | Date Analyzed: 2010-05-25 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.3	99	85 - 115	2010-05-25

Standard (CCV-1)

QC Batch: 70333 | Date Analyzed: 2010-05-25 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2010-05-25

Standard (CCV-1)

QC Batch: 70391 | Date Analyzed: 2010-05-25 | Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0917	92	80 - 120	2010-05-25
Toluene		mg/Kg	0.100	0.0932	93	80 - 120	2010-05-25
Ethylbenzene		mg/Kg	0.100	0.0939	94	80 - 120	2010-05-25
Xylene		mg/Kg	0.300	0.284	95	80 - 120	2010-05-25

Standard (CCV-2)

QC Batch: 70391 Date Analyzed: 2010-05-25 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0968	97	80 - 120	2010-05-25
Toluene		mg/Kg	0.100	0.0975	98	80 - 120	2010-05-25
Ethylbenzene		mg/Kg	0.100	0.0968	97	80 - 120	2010-05-25
Xylene		mg/Kg	0.300	0.291	97	80 - 120	2010-05-25

Standard (CCV-3)

QC Batch: 70391 Date Analyzed: 2010-05-25 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0975	98	80 - 120	2010-05-25
Toluene		mg/Kg	0.100	0.0973	97	80 - 120	2010-05-25
Ethylbenzene		mg/Kg	0.100	0.0955	96	80 - 120	2010-05-25
Xylene		mg/Kg	0.300	0.287	96	80 - 120	2010-05-25

LAB Order ID # 100 52423 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: TALON LPE
Phone #: 432-522-2133
Address: (Street, City, Zip) 2901 State Hwy 349
Fax #: 432-522-2180
Contact Person: Kyle Waggoner
E-mail: kwaggoner@talonlpe.com
Invoice to: (If different from above)
Project #: 700348.009.01
Project Name: Teppco - C-12 Hobbs Line 8"
Project Location (including state):
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
232650	BH-1	1	4oz		X							X		5/20/10	9:30
651	BH-2														9:35
652	BH-3														9:40
653	BH-4														9:45
654	BH-5														15:45

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Chlorides	Turn Around Time if different from standard	Hold
	X	X															X		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
[signature]	TalonLPE	5/24/10	12:07	[signature]	Trace Analysis	5.24.10	1207	4°
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-in-Review

REMARKS:
24 hr Rush
ALL tests Midland

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Carrier

ORIGINAL COPY

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Kyle Waggoner
Talon LPE-Midland
2901 State Highway 349
Midland, TX, 79706

Report Date: July 29, 2010

Work Order: 10072716

Project Name: Teppco C-13 Hobbs Line 8 in.
Project Number: 700348.009.01

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
238737	BH-5-25'	soil	2010-07-23	09:50	2010-07-27
238743	BH-3-5'	soil	2010-07-23	09:00	2010-07-27

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Teppco C-13 Hobbs Line 8 in. were received by TraceAnalysis, Inc. on 2010-07-27 and assigned to work order 10072716. Samples for work order 10072716 were received intact at a temperature of 0.8 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	61819	2010-07-28 at 08:30	72137	2010-07-28 at 10:41
TX1005 Extended - NEW	TX1005	61817	2010-07-28 at 09:37	72135	2010-07-28 at 09:37

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10072716 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 238737 - BH-5-25'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	72137	Date Analyzed:	2010-07-28	Analyzed By:	AG
Prep Batch:	61819	Sample Preparation:	2010-07-28	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.60	mg/Kg	1	2.00	80	52.8 - 137
4-Bromofluorobenzene (4-BFB)		1.55	mg/Kg	1	2.00	78	38.4 - 157

Sample: 238737 - BH-5-25'

Laboratory:	Midland				
Analysis:	TX1005 Extended - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	72135	Date Analyzed:	2010-07-28	Analyzed By:	kg
Prep Batch:	61817	Sample Preparation:	2010-07-28	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
C6-C12		<50.0	mg/Kg	1	50.0
>C12-C35		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		93.8	mg/Kg	1	100	94	70 - 130
n-Octane		111	mg/Kg	1	100	111	70 - 130
n-Tricosane		97.6	mg/Kg	1	100	98	70 - 130

Sample: 238743 - BH-3-5'

Laboratory:	Midland				
Analysis:	TX1005 Extended - NEW	Analytical Method:	TX1005	Prep Method:	N/A
QC Batch:	72135	Date Analyzed:	2010-07-28	Analyzed By:	kg
Prep Batch:	61817	Sample Preparation:	2010-07-28	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
C6-C12		<50.0	mg/Kg	1	50.0
>C12-C35		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		91.1	mg/Kg	1	100	91	70 - 130
n-Octane		110	mg/Kg	1	100	110	70 - 130
n-Tricosane		95.8	mg/Kg	1	100	96	70 - 130

Method Blank (1) QC Batch: 72135

QC Batch: 72135 | Date Analyzed: 2010-07-28 | Analyzed By: kg
Prep Batch: 61817 | QC Preparation: 2010-07-28 | Prepared By: kg

Parameter	Flag	MDL Result	Units	RL
C6-C12		<10.5	mg/Kg	50
>C12-C35		<13.0	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		79.3	mg/Kg	1	100	79	70 - 130
n-Octane		90.6	mg/Kg	1	100	91	70 - 130
n-Tricosane		87.2	mg/Kg	1	100	87	70 - 130

Method Blank (1) QC Batch: 72137

QC Batch: 72137 | Date Analyzed: 2010-07-28 | Analyzed By: AG
Prep Batch: 61819 | QC Preparation: 2010-07-28 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.0150	mg/Kg	0.02
Toluene		<0.00950	mg/Kg	0.02
Ethylbenzene		<0.0106	mg/Kg	0.02
Xylene		<0.00930	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.91	mg/Kg	1	2.00	96	66.6 - 122
4-Bromofluorobenzene (4-BFB)		1.75	mg/Kg	1	2.00	88	55.4 - 132

Laboratory Control Spike (LCS-1)

QC Batch: 72135 | Date Analyzed: 2010-07-28 | Analyzed By: kg
Prep Batch: 61817 | QC Preparation: 2010-07-28 | Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
C6-C12	280	mg/Kg	1	250	<10.5	112	75 - 125
>C12-C35	257	mg/Kg	1	250	<13.0	103	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
C6-C12	285	mg/Kg	1	250	<10.5	114	75 - 125	2	20
>C12-C35	262	mg/Kg	1	250	<13.0	105	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	91.4	96.1	mg/Kg	1	100	91	96	70 - 130
n-Octane	125	128	mg/Kg	1	100	125	128	70 - 130
n-Tricosane	104	107	mg/Kg	1	100	104	107	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 72137 | Date Analyzed: 2010-07-28 | Analyzed By: AG
Prep Batch: 61819 | QC Preparation: 2010-07-28 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.00	mg/Kg	1	2.00	<0.0150	100	81.9 - 108
Toluene	1.98	mg/Kg	1	2.00	<0.00950	99	81.9 - 107
Ethylbenzene	1.95	mg/Kg	1	2.00	<0.0106	98	78.4 - 107
Xylene	5.86	mg/Kg	1	6.00	<0.00930	98	79.1 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.99	mg/Kg	1	2.00	<0.0150	100	81.9 - 108	0	20
Toluene	1.98	mg/Kg	1	2.00	<0.00950	99	81.9 - 107	0	20
Ethylbenzene	1.94	mg/Kg	1	2.00	<0.0106	97	78.4 - 107	0	20
Xylene	5.86	mg/Kg	1	6.00	<0.00930	98	79.1 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.84	1.80	mg/Kg	1	2.00	92	90	70.2 - 114
4-Bromofluorobenzene (4-BFB)	1.78	1.80	mg/Kg	1	2.00	89	90	69.8 - 121

Matrix Spike (MS-1) Spiked Sample: 238737

QC Batch: 72135 | Date Analyzed: 2010-07-28 | Analyzed By: kg
Prep Batch: 61817 | QC Preparation: 2010-07-28 | Prepared By: kg

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
C6-C12	249	mg/Kg	1	250	<10.5	100	18.8 - 120.7
>C12-C35	238	mg/Kg	1	250	<13.0	95	10 - 196.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
C6-C12	250	mg/Kg	1	250	<10.5	100	18.8 - 120.7	0	20
>C12-C35	240	mg/Kg	1	250	<13.0	96	10 - 196.2	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	88.8	85.5	mg/Kg	1	100	89	86	70 - 130
n-Octane	113	111	mg/Kg	1	100	113	111	70 - 130
n-Tricosane	96.6	94.2	mg/Kg	1	100	97	94	70 - 130

Matrix Spike (MS-1) Spiked Sample: 238784

QC Batch: 72137 | Date Analyzed: 2010-07-28 | Analyzed By: AG
Prep Batch: 61819 | QC Preparation: 2010-07-28 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.09	mg/Kg	1	2.00	0.031	103	80.5 - 112
Toluene	2.06	mg/Kg	1	2.00	<0.00950	103	82.4 - 113
Ethylbenzene	2.05	mg/Kg	1	2.00	<0.0106	102	83.9 - 114
Xylene	6.20	mg/Kg	1	6.00	<0.00930	103	84 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.21	mg/Kg	1	2.00	0.031	109	80.5 - 112	6	20

continued ...

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Toluene	2.20	mg/Kg	1	2.00	<0.00950	110	82.4 - 113	7	20
Ethylbenzene	2.21	mg/Kg	1	2.00	<0.0106	110	83.9 - 114	8	20
Xylene	6.69	mg/Kg	1	6.00	<0.00930	112	84 - 114	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.17	1.60	mg/Kg	1	2	58	80	41.3 - 117
4-Bromofluorobenzene (4-BFB)	1.21	1.59	mg/Kg	1	2	60	80	35.5 - 129

Standard (CCV-2)

QC Batch: 72135 Date Analyzed: 2010-07-28 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		mg/Kg	250	263	105	75 - 125	2010-07-28
>C12-C35		mg/Kg	250	237	95	75 - 125	2010-07-28

Standard (CCV-3)

QC Batch: 72135 Date Analyzed: 2010-07-28 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		mg/Kg	250	278	111	75 - 125	2010-07-28
>C12-C35		mg/Kg	250	262	105	75 - 125	2010-07-28

Standard (CCV-4)

QC Batch: 72135 Date Analyzed: 2010-07-28 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
C6-C12		mg/Kg	250	268	107	75 - 125	2010-07-28
>C12-C35		mg/Kg	250	257	103	75 - 125	2010-07-28

Standard (CCV-1)

QC Batch: 72137 Date Analyzed: 2010-07-28 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0979	98	80 - 120	2010-07-28
Toluene		mg/Kg	0.100	0.0972	97	80 - 120	2010-07-28
Ethylbenzene		mg/Kg	0.100	0.0925	92	80 - 120	2010-07-28
Xylene		mg/Kg	0.300	0.282	94	80 - 120	2010-07-28

Standard (CCV-2)

QC Batch: 72137 Date Analyzed: 2010-07-28 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0970	97	80 - 120	2010-07-28
Toluene		mg/Kg	0.100	0.0959	96	80 - 120	2010-07-28
Ethylbenzene		mg/Kg	0.100	0.0929	93	80 - 120	2010-07-28
Xylene		mg/Kg	0.300	0.280	93	80 - 120	2010-07-28

LAB Order ID # 100727716 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: TalonLPE
Phone #: (432) 522-2133
Address: (Street, City, Zip) 2901 State Hwy 349
Fax #: (432) 522-2180
Contact Person: Kyle Waggoner / Shyla Harris
E-mail: kwaggoner@talonlpe.com, shyla@talonlpe.com
Invoice to: (If different from above)
Project #: 700348.009.01
Project Name: Teppco - Hobbs C-13
Project Location (including state):
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
23843	BH-5-25'	1	4oz		X							X		7/23/10	9:50	X	X																
738	BH-5-30'														10:00																		X
739	BH-5-35'														10:15																		X
740	BH-5-40'														10:25																		X
741	BH-5-45'														14:25																		X
742	BH-5-50'														14:35																		X
743	BH-3-5'														9:00																		
744	BH-3-10'														9:12																		X

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Shyla Harris	TalonLPE	7/27/10	15:30	[illegible]	TRACE	7/28/10	12:30	0.8
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
0.8 °
Log-in-Review

REMARKS:
For samples on hold:
Call pm w/ Results (analytical) of samples ran before running samples on hold.

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier #

ORIGINAL COPY

TALON/LPE

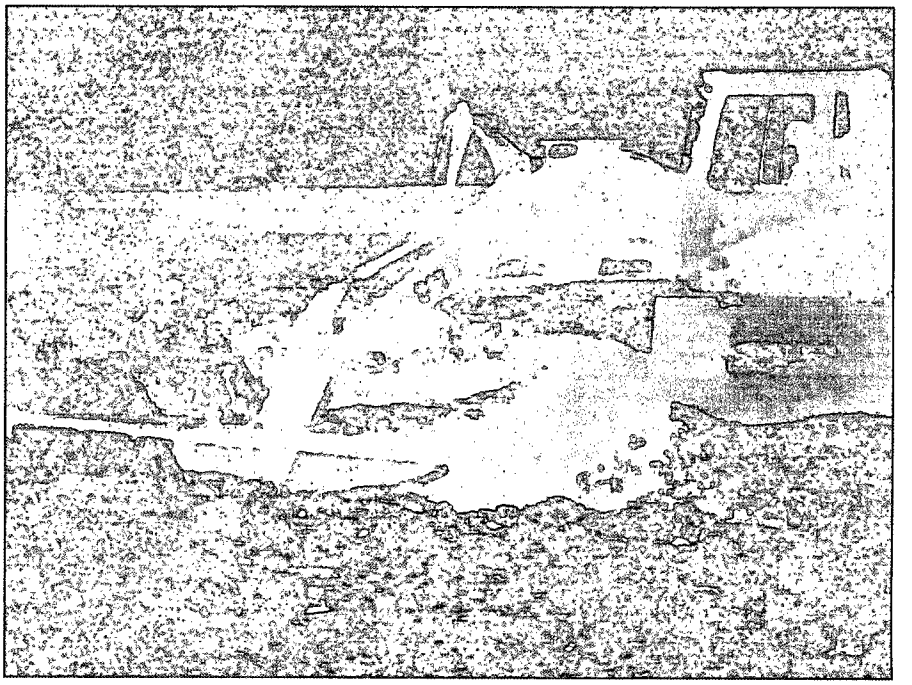
Photographic Documentation

Client: Enterprise Crude Pipeline, LLC
Location: Hobbs C-13 8" Pipeline
Project Number: 700348.009.01

Prepared by: Shyla Harris
Photographer: Shyla Harris

Photograph No. 1

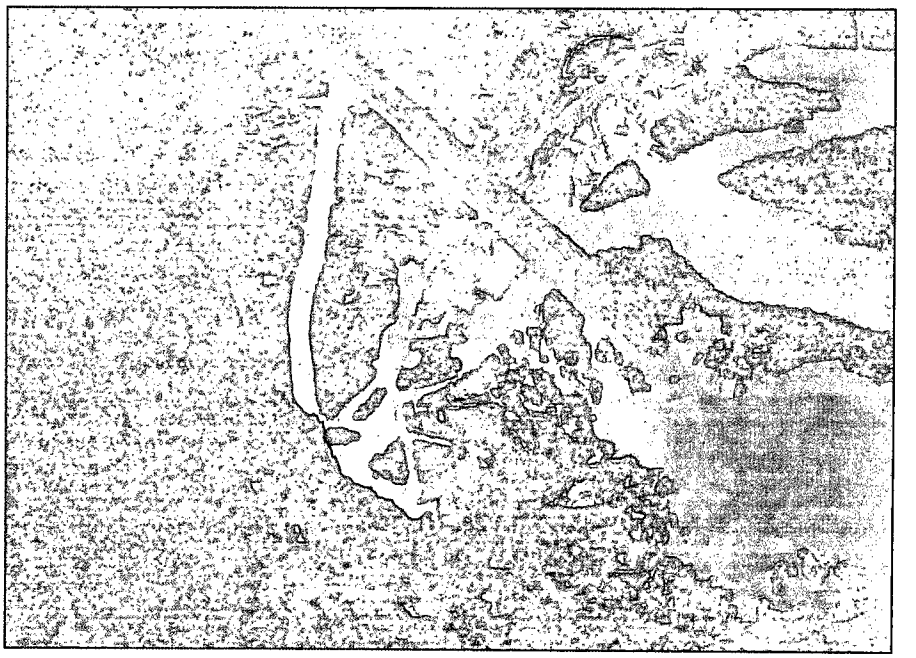
Direction:
North



Description:
Excavation activities adjacent to the pipeline and along the flow path

Photograph No. 2

Direction:
NA



Description:
Excavation beneath the source area of the pipeline

Client: Enterprise Crude Pipeline, LLC
Location: Hobbs C-13 8" Pipeline
Project Number: 700348.009.01

Prepared by: Shyla Harris
Photographer: Shyla Harris

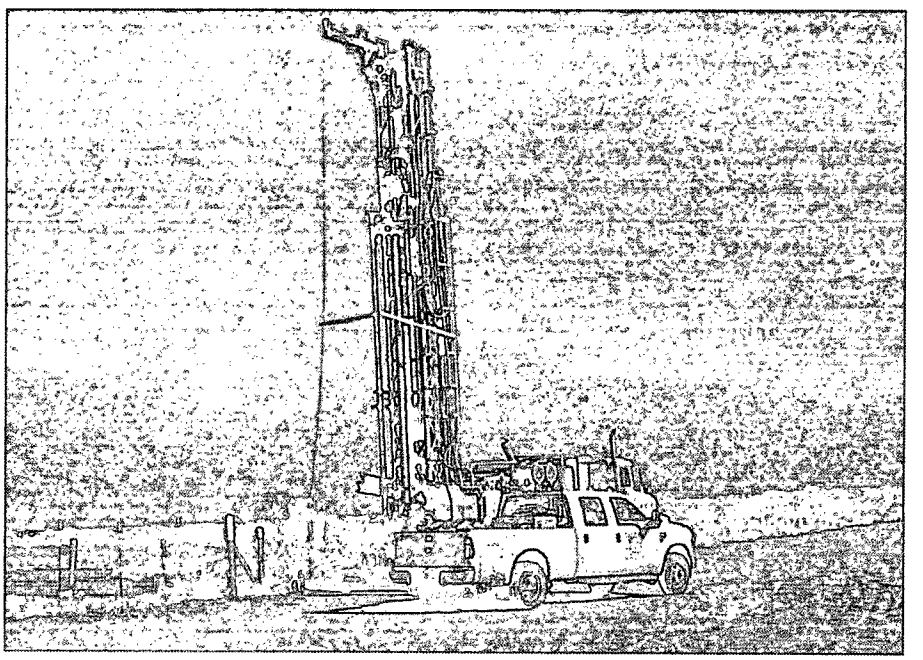
Photograph No. 3

Direction:
East

Description:
Removal of soil stockpiles into trucks for disposal

Photograph No. 4

Direction:
Northwest



Description:
Drilling rig utilized for soil borings during the limited site assessment

TALON/LPE

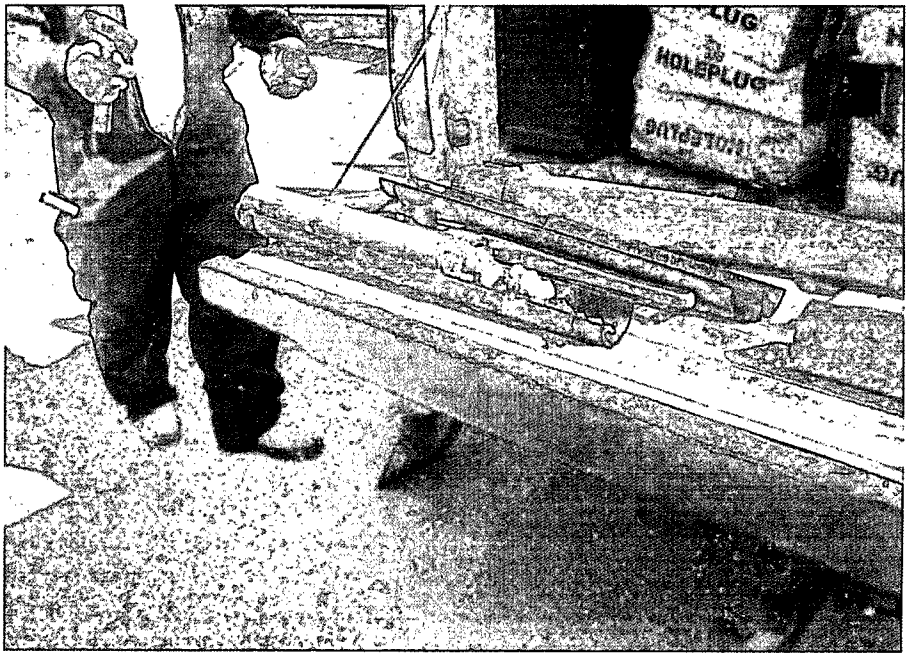
Photographic Documentation

Client: Enterprise Crude Pipeline, LLC
Location: Hobbs C-13 8" Pipeline
Project Number: 700348.009.01

Prepared by: Shyla Harris
Photographer: Shyla Harris

Photograph No. 5

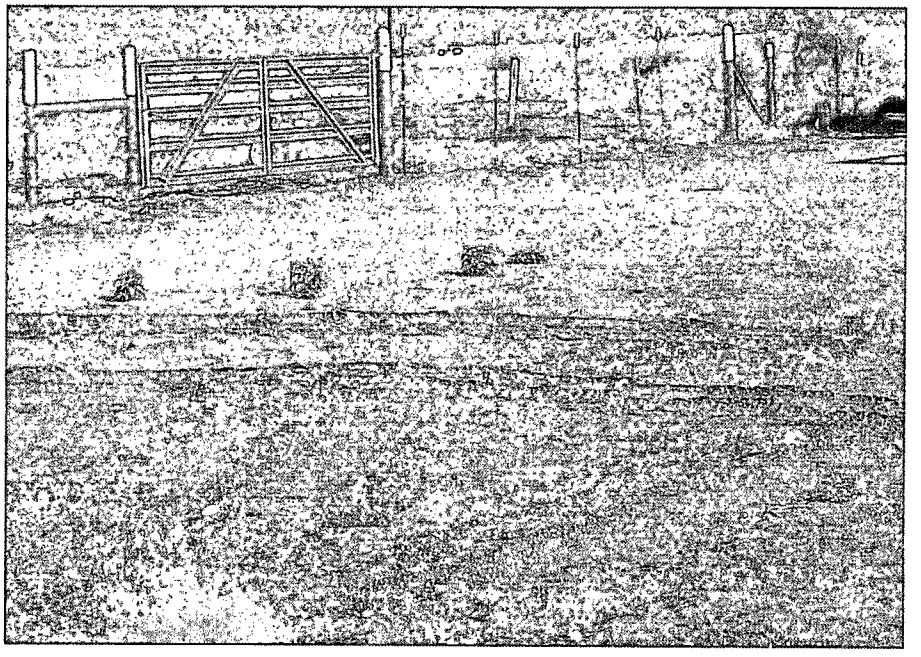
Direction:
NA



Description:
Split spoon core during soil boring activities

Photograph No. 6

Direction:
West



Description:
Reclaimed site

SOIL BORING / MONITORING WELL LOG

PROJECT: Teppco Hobbs C-13 Pipeline
PROJECT NUMBER: 700348.009.01
CLIENT: Teppco Crude Pipeline, LLC
BORING / WELL NUMBER: BH-3
TOTAL DEPTH: 10'
SURFACE ELEVATION: NA
GEOLOGIST: Shyla Harris

DRILLING COMPANY: Talon/LPE
DRILLER: Jose Salas
DRILLING METHOD: air rotary
BORE HOLE DIAMETER: 7 7/8"
SCREEN: Diam. NA Length NA Slot Size NA
CASING: Diam. NA Length NA Type NA
DATE DRILLED: 7/23/10

Depth (FT.)	Soil Symbol	Well Construction	PID Readings	Samples	Sample Interval	Description Interval	Description of Stratum	Depth (FT.)
0								0
			0.0				Gravel. Well graded, dense, calcite cementation, light brown (5YR 6/4). No odor.	
			0.0			10'		
							Bottom of hole.	
15								15
30								30
45								45
60								60
75								75
90								90

REMARKS:

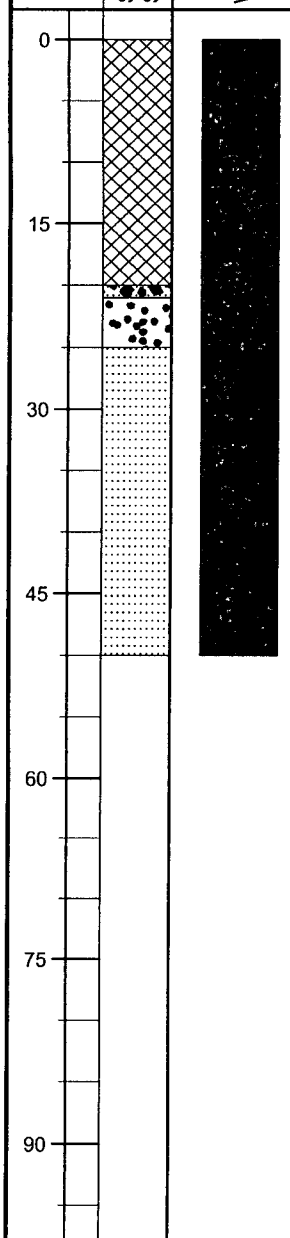
THIS BORING LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.

TALON LPE

SOIL BORING / MONITORING WELL LOG

PROJECT: Teppco Hobbs C-13 Pipeline
PROJECT NUMBER: 700348.009.01
CLIENT: Teppco Crude Pipeline, LLC
BORING / WELL NUMBER: BH-5
TOTAL DEPTH: 50'
SURFACE ELEVATION: NA
GEOLOGIST: Shyla Harris

DRILLING COMPANY: Talon/LPE
DRILLER: Jose Salas
DRILLING METHOD: air rotary
BORE HOLE DIAMETER: 7 7/8"
SCREEN: Diam. NA Length NA Slot Size NA
CASING: Diam. NA Length NA Type NA
DATE DRILLED: 7/23/10



PID Readings	Samples	Sample Interval	Description Interval	Description of Stratum
			0	Fill.
			20'	
39.1			21'	Sandy Gravel. Well graded, dry, calcite cementation, moderate orange pink (5YR 8/4). Slight hydrocarbon odor.
42.1			25'	Gravel. Poorly graded, dry, calcite cementation, grayish orange (10YR 7/4). No odor.
38.5				Sand. Well graded. Less than 25% silt and gravel. Dry, light brown (5YR 6/4) sand. No odor.
16.5				
20.5				
0.0				
0.0			50'	Bottom of hole.

Depth (FT.): 0, 15, 30, 45, 60, 75, 90

REMARKS:

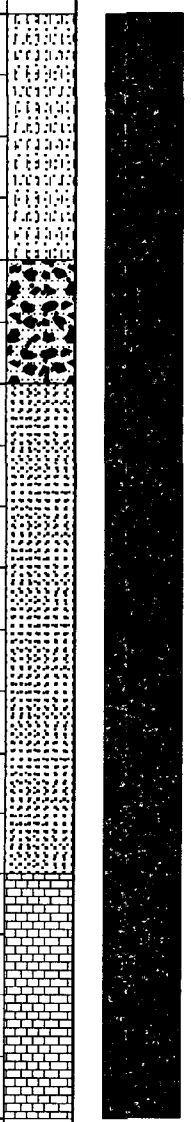
THIS BORING LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.

TALON LPE

SOIL BORING / MONITORING WELL LOG

PROJECT: Teppco Hobbs C-13 Pipeline
PROJECT NUMBER: 700348.009.01
CLIENT: Teppco Crude Pipeline, LLC
BORING / WELL NUMBER: BH-6
TOTAL DEPTH: 90'
SURFACE ELEVATION: NA
GEOLOGIST: Shyla Harris

DRILLING COMPANY: Talon/LPE
DRILLER: Jose Salas
DRILLING METHOD: air rotary
BORE HOLE DIAMETER: 7 7/8"
SCREEN: Diam. NA Length NA Slot Size NA
CASING: Diam. NA Length NA Type NA
DATE DRILLED: 7/23/10



Depth (FT.)	PID Readings	Samples	Sample Interval	Description Interval	Description of Stratum
0					
	0.0			20'	Silty Sand. Poorly graded, dry, grayish orange (10yR 7/4). No odor.
15	0.0				
	0.0			30'	Sandy Gravel. Well graded, dry, calcite cementation, moderate orange pink (5YR 8/4). No odor.
30	0.0				
	0.0				
45	0.0				
	0.0				
60	0.0			70'	Sand. Poorly graded, fine grained, dry, light brown (5YR 6/4). No odor.
	0.0				Limestone. Dry, grayish orange (10YR 7/4). No odor.
75	0.0				
	0.0			90'	
90					Bottom of hole.

REMARKS:

THIS BORING LOG SHOULD NOT BE USED SEPARATELY FROM THE ORIGINAL REPORT.

TALON LPE

KEY TO SYMBOLS

Symbol Description

Strata symbols

 Well graded gravel

 Fill

 Well graded gravel and sand

 Poorly graded gravel

 Well graded sand

 Poorly graded sand with silt

 Poorly graded sand

 Limestone

Monitor Well Details

 No pipe, sealed

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, New Mexico 88231

(575) 394-2511

TICKET Nº [illegible]

LEASE OPERATOR/SHIPPER/COMPANY: Talon

LEASE NAME: C-13 Hobbs-Midland

TRANSPORTER COMPANY: Lobo

TIME 1:15 AM/PM

DATE: 5/26/11 VEHICLE NO.: 32

GENERATOR COMPANY MAN'S NAME: Skyla Harris

CHARGE TO: Talon

RIG NAME AND NUMBER

(Victor 631-2282)
Joe (432) 557-1917

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content: ______
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: O/D

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. ______ : [X] YARD 20 : [ ] ______

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: Ada Sta Cruz
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Revised 09/09

Superior Printing Service, Inc.

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, New Mexico 88231
(575) 394-2511

TICKET NO. 13931

LEASE OPERATOR/SHIPPER/COMPANY: Talon

LEASE NAME: A-13 Mabee-Midland

TRANSPORTER COMPANY: Lobo | TIME 1:18 AM/PM

DATE: 5/20/10 VEHICLE NO.: 64 | GENERATOR COMPANY MAN'S NAME: Skyla Harris

CHARGE TO: Talon | RIG NAME AND NUMBER

Victor (631-2282)
Joe (432)557-1917

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content: _____
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: O/D

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 20 : [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: Ana Sta Cruz
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter
Revised 09/09

Superior Printing Service, Inc.

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, New Mexico 88231
(575) 394-2511

TICKET NO. 139366

LEASE OPERATOR/SHIPPER/COMPANY: Talon

LEASE NAME: A-13 Hobbs-Midland

TRANSPORTER COMPANY: Lobo | TIME: 3:38 AM/PM

DATE: 5/21/10 VEHICLE NO.: 89 | GENERATOR COMPANY MAN'S NAME: Skyla Harris

CHARGE TO: Talon | RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content: _____	[ ] Call Out

Description: D/D

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 20 : [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: Ada Sta Cruz
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter
Revised 09/09

Superior Printing Service, Inc.

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, New Mexico 88231
(575) 394-2511

TICKET NO 139389

LEASE OPERATOR/SHIPPER/COMPANY: Talon

LEASE NAME: A-13 Hobbs - Midland

TRANSPORTER COMPANY: Lobo | TIME 3:40 AM/PM

DATE: 5/24/10 VEHICLE NO.: 89 | GENERATOR COMPANY MAN'S NAME: Kyle Harris

CHARGE TO: Talon | RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content: _____	[ ] Call Out

Description: OD

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 20 : [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Claudia Lujan
(SIGNATURE)

FACILITY REPRESENTATIVE: Ada Sta Cruz
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter
Revised 09/09

Superior Printing Service, Inc.

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, New Mexico 88231
(575) 394-2511

TICKET NO. 139385

LEASE OPERATOR/SHIPPER/COMPANY: Talon

LEASE NAME: C-12 Hill Midland

TRANSPORTER COMPANY: Lobo Services | TIME 5:20 AM/PM

DATE: 5-20-10 VEHICLE NO.: 837 GENERATOR COMPANY MAN'S NAME: Clyde Kemp

CHARGE TO: Talon | RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content: _____	[ ] Call Out

Description: Oil

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 20 : [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter
Revised 09/09

Superior Printing Service, Inc.

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, New Mexico 88231

(575) 394-2511

TICKET № 139388

LEASE OPERATOR/SHIPPER/COMPANY: Talon

LEASE NAME: C-12 Hobbs Midland

TRANSPORTER COMPANY: Leal's Service | TIME 7:29 AM/PM

DATE: 5-20-10 VEHICLE NO.: 114 | GENERATOR COMPANY MAN'S NAME: Shyla Karis

CHARGE TO: Talon | RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[x] Contaminated Soil
[ ] BS&W Content: ______
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: C/O

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. ______ : [x] YARD 20 : [ ] ______

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Claudio Luna
(SIGNATURE)

FACILITY REPRESENTATIVE: Connie Romero
(SIGNATURE)

White - Sundance   Canary - Sundance Acct #1   Pink - Transporter

Revised 09/09

Superior Printing Service, Inc.

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, New Mexico 88231

(575) 394-2511

TICKET Nº 139401

LEASE OPERATOR/SHIPPER/COMPANY: Talon

LEASE NAME: C-17 [illegible]

TRANSPORTER COMPANY: [illegible] Services | TIME 6:52 AM/PM

DATE: 5-20-16 VEHICLE NO.: 92 | GENERATOR COMPANY MAN'S NAME: [illegible]

CHARGE TO: Talon | RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Drilling Fluids
[ ] Rinsate
[ ] Tank Bottoms
[X] Contaminated Soil
[ ] Jet Out
[ ] Solids
[ ] BS&W Content: ____________
[ ] Call Out

Description: C/1/3

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. ____________ : [X] YARD 20 : [ ] ____________

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [signature]
(SIGNATURE)

White - Sundance   Canary - Sundance Acct #1   Pink - Transporter
Revised 09/09

Superior Printing Service, Inc.

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, New Mexico 88231
(575) 394-2511

TICKET NO. 139403

LEASE OPERATOR/SHIPPER/COMPANY: TALON

LEASE NAME: C-13 HOBBS - MIDLAND

TRANSPORTER COMPANY: Lobo Services | TIME 203 AM/PM

DATE: 5/20 VEHICLE NO.: 64 GENERATOR COMPANY MAN'S NAME: Skylar Kerns

CHARGE TO: TALON | RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[x] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content: _____	[ ] Call Out

Description: O/D

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 210 : [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____ (SIGNATURE)

FACILITY REPRESENTATIVE: _____ (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter
Revised 09/09

Superior Printing Service, Inc.

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, New Mexico 88231
(575) 394-2511

TICKET NO. 13910

LEASE OPERATOR/SHIPPER/COMPANY: Talon

LEASE NAME: C-12 Hobbs to Midland

TRANSPORTER COMPANY: Lobo Services | TIME 7:14 AM/PM

DATE: 5-21-10 VEHICLE NO.: 82 | GENERATOR COMPANY MAN'S NAME: Clyde Harris

CHARGE TO: Talon | RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content: _____	[ ] Call Out

Description: C/O

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 20 : [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter
Revised 09/09

Superior Printing Service, Inc.

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, New Mexico 88231

(575) 394-2511

TICKET № 139417

LEASE OPERATOR/SHIPPER/COMPANY: Talon

LEASE NAME: [illegible]

TRANSPORTER COMPANY: Talon Services | TIME [illegible] AM/PM

DATE: 5-21-13 VEHICLE NO.: [illegible] GENERATOR COMPANY MAN'S NAME: [illegible]

CHARGE TO: Talon | RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water [ ] Drilling Fluids [ ] Rinsate

[ ] Tank Bottoms [X] Contaminated Soil [ ] Jet Out

[ ] Solids [ ] BS&W Content: ______ [ ] Call Out

Description: C/1?

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. ______ : [X] YARD 20 : [ ] ______

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [illegible signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: [illegible signature]
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Revised 09/09

Superior Printing Service, Inc.

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, New Mexico 88231
(575) 394-2511

TICKET [illegible]

LEASE OPERATOR/SHIPPER/COMPANY: Titan

LEASE NAME: [illegible]

TRANSPORTER COMPANY: [illegible] | TIME [illegible] AM/PM

DATE: 5.21.10 VEHICLE NO.: 64 | GENERATOR COMPANY MAN'S NAME: [illegible]

CHARGE TO: Titan | RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content: _____	[ ] Call Out

Description: C-115

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 20 : [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [signature] (SIGNATURE)

FACILITY REPRESENTATIVE: [signature] (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Revised 09/09

Superior Printing Service, Inc.

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Enterprise Crude Pipeline	Contact Jennifer Corser
Address c/o Environ. Dept. PO Box 2521 Houston, TX 77252	Telephone No. 432-230-1414
Facility Name C-13 Line	Facility Type Pipeline

Surface Owner Brian Ussery	Mineral Owner N/A	Lease No.N/A

LOCATION OF RELEASE

Unit Letter	Sectio	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County

Latitude N32.6110 **Longitude** W103.0763

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 10 bbls	Volume Recovered 1bbls
Source of Release Pipeline	Date and Hour of Occurrence 5-10-10 5:30PM	Date and Hour of Discovery 5-10-10 6:00PM
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? Geoffery Leking	
By Whom? Kyle Waggoner, Talon LPE	Date and Hour 5-20-10 10:00 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*
Leak was developed due to pipeline corrosion. Leak was initially thought to be under 5 bbls, once excavations began on 5-20-10, the leak appeared to be closer to reportable quantities. Excavations are ongoing, a final report will be submitted once clean up is complete.

Describe Area Affected and Cleanup Action Taken.*

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

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Jennifer Corser	Approved by District Supervisor:	
Title: Field Environmental Scientist	Approval Date:	Expiration Date:
E-mail Address: jhcorser@eprod.com	Conditions of Approval:	Attached ☐
Date: 5-20-2010 Phone: 432-230-1414		

* Attach Additional Sheets If Necessary