3302 122nd Street
Lubbock, Texas 79423
Mailing Address:
P.O. Box 53427
Lubbock, Texas 79453
Phone: 806-771-8033
Fax: 806-687-6926
www.bcccorp.com

BIOREMEDIATION CONTRACTORS & CONSULTANTS

BCC, Inc.

Land Reclamation *Weed Control*

ENVIRONMENTAL RESPECT AWARD
NATIONAL AWARD WINNER

INFORMATION ONLY

Texland Petroleum
Lea YL State #2
Sec. 2-T17S-R37E, Lea Co., NM
Affected Surface Area – 6,110 sq. ft. / .14 acre
GPS Coordinates: N32.86800 W103.22282

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March 22, 2017

Texland Petroleum
Lea YL State #2
Sec. 2-T17S-R37E, Lea Co., NM
Affected Surface Area – 6,110 sq. ft. / .14 acre
GPS Coordinates: N32.86800 W103.22282

Proposed Corrective Action Plan

On March 14, 2017 BCC, Inc. conducted a site assessment of a past oil and produced water release that originated from a ruptured flowline running from Texland Petroleum's Lea YL State #2 well. The affected area is in the pasture located 110 yards southeast of the Lea YL State Tank Battery. All of the affected surface areas were mapped and tracked by GPS with the square footage totaling 6,110 square feet, or .14 acre. The affected soils do not contain any free liquids, but do exhibit gross staining. According to the New Mexico Office of the State Engineer, the average depth to ground water below land surface at this site is 70 feet. The horizontal distance from the nearest fresh water source or surface water body is >1,000 feet. Two soil samples were pulled for laboratory analysis from the midpoint setting of this release site; one sample from the surface and one at 16 inches below ground surface (bgs).

Based on a previous conversation between Texland Petroleum and Mr. Tomas Oberding of the New Mexico Oil Conservation Division, the corrective action plan for this release will consist of excavating, removing, and disposing the contaminated soils at an off-site permitted facility. BCC, Inc. will delineate this release both vertically and horizontally by on-site field testing of the soil as the excavation is carried out. Field testing will include both chloride and TPH analysis. Excavation and removal will continue until field testing analysis reveals that the remaining soils are below the required contaminant specific levels, or to a depth of 4 feet bgs. Soil samples will be pulled at the base of the excavation and laboratory analyzed to confirm all TPH, BTEX, and chloride levels are satisfactory before any backfilling occurs. If excavation is required down to the 4 foot bgs depth, a plastic liner will be placed throughout the excavated areas and clean soil will be backfilled and contoured to provide drainage away from the site. All affected areas will be revegetated with an approved native grass seed blend.

Paul Porter
Vice President
BCC, Inc.

TRACEANALYSIS, INC.

Certificate of Analysis Summary 548698

BCC, Inc.-Lubbock, LUBBOCK, TX

Project Name: Texland Petroleum

Project Id:
Contact: Paul Porter
Project Location: Lea YL State #2 (NM)

Date Received in Lab: Wed Mar-15-17 02:29 pm
Report Date: 23-MAR-17
Project Manager: Liz Givens

Analysis Requested									
	Lab Id:	548698-001		548698-002					
	Field Id:	Sample 1A-Surface		1A-16					
	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	Mar-14-17 15:00		Mar-14-17 15:15					
BTEX by EPA 8021B	***Extracted:***	Mar-18-17 01:20		Mar-18-17 01:20					
SUB: T104704534-15-1	***Analyzed:***	Mar-18-17 05:34		Mar-18-17 05:16					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00199	0.00199				
Toluene		<0.00200	0.00200	<0.00199	0.00199				
Ethylbenzene		0.00586	0.00200	0.0438	0.00199				
m,p-Xylenes		0.0123	0.00399	0.0500	0.00398				
o-Xylene		0.00520	0.00200	0.0790	0.00199				
Total Xylenes		0.0175	0.00200	0.129	0.00199				
Total BTEX		0.0234	0.00200	0.173	0.00199				
Chloride by EPA 300	***Extracted:***	Mar-15-17 16:05		Mar-15-17 16:05					
	Analyzed:	Mar-16-17 13:15		Mar-16-17 13:32					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		69.1	50.0	79.9	50.0				
DRO-ORO By SW8015B	***Extracted:***	Mar-17-17 16:00		Mar-17-17 16:00					
	Analyzed:	Mar-20-17 23:42		Mar-21-17 00:14					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Diesel Range Organics (DRO)		31300 E	500	10200	500				
Oil Range Hydrocarbons (ORO)		15600	500	3930	500				
TPH GRO by EPA 8015 Mod.	***Extracted:***	Mar-16-17 09:30		Mar-16-17 09:30					
	Analyzed:	Mar-17-17 00:30		Mar-17-17 00:03					
	Units/RL:	mg/kg	RL	mg/kg	RL				
TPH-GRO		<200	200	169	39.5				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Johnny Grindstaff
Lubbock Laboratory Director

Analytical Report 548698

for

BCC, Inc.-Lubbock

Project Manager: Paul Porter

Texland Petroleum

23-MAR-17

Collected By: Client

6701 Aberdeen, Suite 9 Lubbock, TX 79424

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

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

23-MAR-17

Project Manager: **Paul Porter**
BCC, Inc.-Lubbock
3302 122nd St
P.O. Box 53427
LUBBOCK, TX 79453

Reference: XENCO Report No(s): **548698**
Texland Petroleum
Project Address: Lea YL State #2 (NM)

Paul Porter :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 548698. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 548698 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Johnny Grindstaff
Lubbock Laboratory Director

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

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 548698

BCC, Inc.-Lubbock, LUBBOCK, TX

Texland Petroleum

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Sample 1A-Surface	S	03-14-17 15:00		548698-001
1A-16	S	03-14-17 15:15		548698-002

Client Name: BCC, Inc.-Lubbock
Project Name: Texland Petroleum

Project ID:
Work Order Number(s): *548698*

Report Date: *23-MAR-17*
Date Received: *03/15/2017*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-3012841 DRO-ORO By SW8015B
Surrogate Tricosane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 548698-002 S,548698-002 SD,548698-001,548698-002.

Lab Sample ID 548698-002 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Diesel Range Organics (DRO) recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 548698-001, -002.
The Laboratory Control Sample for Diesel Range Organics (DRO) is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3012857 TPH GRO by EPA 8015 Mod.
Sample 548698-001 was diluted due to turbidity and excessive hydrocarbons beyond xylene. MS/MSD failed due to high dilution.

Batch: LBA-3012889 BTEX-MTBE by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 548698

BCC, Inc.-Lubbock, LUBBOCK, TX

Texland Petroleum

Sample Id: **Sample 1A-Surface** Matrix: Soil Date Received:03.15.17 14.29
Lab Sample Id: 548698-001 Date Collected: 03.14.17 15.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: RNL % Moisture:
Analyst: RNL Date Prep: 03.15.17 16.05 Basis: Wet Weight
Seq Number: 3012723

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**69.1**	50.0	mg/kg	03.16.17 13.15		2

Analytical Method: DRO-ORO By SW8015B Prep Method: SW8015P
Tech: HJP % Moisture:
Analyst: HJP Date Prep: 03.17.17 16.00 Basis: Wet Weight
Seq Number: 3012841

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**31300**	500	mg/kg	03.20.17 23.42	E	20
Oil Range Hydrocarbons (ORO)	PHCG2835	**15600**	500	mg/kg	03.20.17 23.42		20

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	40200	%	65-144	03.20.17 23.42	**

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
Tech: FOV % Moisture:
Analyst: FOV Date Prep: 03.18.17 01.20 Basis: Wet Weight
Seq Number: 3012889 SUB: T104704534-15-1

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.18.17 05.34	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.18.17 05.34	U	1
Ethylbenzene	100-41-4	**0.00586**	0.00200	mg/kg	03.18.17 05.34		1
m,p-Xylenes	179601-23-1	**0.0123**	0.00399	mg/kg	03.18.17 05.34		1
o-Xylene	95-47-6	**0.00520**	0.00200	mg/kg	03.18.17 05.34		1
Total Xylenes	1330-20-7	**0.0175**	0.00200	mg/kg	03.18.17 05.34		1
Total BTEX		**0.0234**	0.00200	mg/kg	03.18.17 05.34		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	80-120	03.18.17 05.34	
1,4-Difluorobenzene	540-36-3	87	%	80-120	03.18.17 05.34	

Certificate of Analytical Results 548698

BCC, Inc.-Lubbock, LUBBOCK, TX

Texland Petroleum

Sample Id:	**Sample 1A-Surface**	Matrix:	Soil	Date Received:	03.15.17 14.29
Lab Sample Id:	548698-001	Date Collected:	03.14.17 15.00		
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.16.17 09.30	Basis:	Wet Weight
Seq Number:	3012857				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	<200	200		mg/kg	03.17.17 00.30	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	76-123	03.17.17 00.30	
a,a,a-Trifluorotoluene	98-08-8	111	%	69-120	03.17.17 00.30	

Certificate of Analytical Results 548698

BCC, Inc.-Lubbock, LUBBOCK, TX

Texland Petroleum

Sample Id:	**1A-16**	Matrix:	Soil	Date Received:	03.15.17 14.29
Lab Sample Id:	548698-002	Date Collected:	03.14.17 15.15		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	03.15.17 16.05	Basis:	Wet Weight
Seq Number:	3012723				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**79.9**	50.0	mg/kg	03.16.17 13.32		2

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	HJP			% Moisture:	
Analyst:	HJP	Date Prep:	03.17.17 16.00	Basis:	Wet Weight
Seq Number:	3012841				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**10200**	500	mg/kg	03.21.17 00.14		20
Oil Range Hydrocarbons (ORO)	PHCG2835	**3930**	500	mg/kg	03.21.17 00.14		20

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	5960	%	65-144	03.21.17 00.14	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	FOV			% Moisture:	
Analyst:	FOV	Date Prep:	03.18.17 01.20	Basis:	Wet Weight
Seq Number:	3012889			SUB:	T104704534-15-1

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.18.17 05.16	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.18.17 05.16	U	1
Ethylbenzene	100-41-4	**0.0438**	0.00199	mg/kg	03.18.17 05.16		1
m,p-Xylenes	179601-23-1	**0.0500**	0.00398	mg/kg	03.18.17 05.16		1
o-Xylene	95-47-6	**0.0790**	0.00199	mg/kg	03.18.17 05.16		1
Total Xylenes	1330-20-7	**0.129**	0.00199	mg/kg	03.18.17 05.16		1
Total BTEX		**0.173**	0.00199	mg/kg	03.18.17 05.16		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93	%	80-120	03.18.17 05.16	
4-Bromofluorobenzene	460-00-4	115	%	80-120	03.18.17 05.16	

Certificate of Analytical Results 548698

BCC, Inc.-Lubbock, LUBBOCK, TX

Texland Petroleum

Sample Id:	**1A-16**	Matrix:	Soil	Date Received:	03.15.17 14.29
Lab Sample Id:	548698-002	Date Collected:	03.14.17 15.15		
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.16.17 09.30	Basis:	Wet Weight
Seq Number:	3012857				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**169**	39.5	mg/kg	03.17.17 00.03		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125	%	76-123	03.17.17 00.03	**
a,a,a-Trifluorotoluene	98-08-8	108	%	69-120	03.17.17 00.03	

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

BCC, Inc.-Lubbock

Texland Petroleum

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3012723 Matrix: Solid Date Prep: 03.15.17
MB Sample Id: 721738-1-BLK LCS Sample Id: 721738-1-BKS LCSD Sample Id: 721738-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<25.0	250	245	98	249	100	90-110	2	20	mg/kg	03.16.17 10:51	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3012723 Matrix: Soil Date Prep: 03.15.17
Parent Sample Id: 548551-005 MS Sample Id: 548551-005 S MSD Sample Id: 548551-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2840	250	3330	196	3160	128	80-120	5	20	mg/kg	03.16.17 11:45	X

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3012723 Matrix: Soil Date Prep: 03.15.17
Parent Sample Id: 546702-016 MS Sample Id: 546702-016 S MSD Sample Id: 546702-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1070	250	1310	96	1340	108	80-120	2	20	mg/kg	03.16.17 15:38	

Analytical Method: **DRO-ORO By SW8015B** Prep Method: SW8015P
Seq Number: 3012841 Matrix: Solid Date Prep: 03.17.17
MB Sample Id: 721812-1-BLK LCS Sample Id: 721812-1-BKS LCSD Sample Id: 721812-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Diesel Range Organics (DRO)	<25.0	100	97.8	98	99.4	99	63-139	2	20	mg/kg	03.20.17 22:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tricosane	90		88		91		65-144	%	03.20.17 22:38

Analytical Method: **DRO-ORO By SW8015B** Prep Method: SW8015P
Seq Number: 3012841 Matrix: Soil Date Prep: 03.17.17
Parent Sample Id: 548698-002 MS Sample Id: 548698-002 S MSD Sample Id: 548698-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Diesel Range Organics (DRO)	10200	100	12800	2600	13100	2900	63-139	2	20	mg/kg	03.21.17 00:45	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Tricosane	5370	**	5490	**	65-144	%	03.21.17 00:45

BCC, Inc.-Lubbock

Texland Petroleum

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3012889 Matrix: Solid Date Prep: 03.18.17
MB Sample Id: 721846-1-BLK LCS Sample Id: 721846-1-BKS LCSD Sample Id: 721846-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0855	86	0.0902	90	70-130	5	35	mg/kg	03.18.17 01:20	
Toluene	<0.00200	0.100	0.0770	77	0.0812	81	70-130	5	35	mg/kg	03.18.17 01:20	
Ethylbenzene	<0.00200	0.100	0.0814	81	0.0867	87	71-129	6	35	mg/kg	03.18.17 01:20	
m,p-Xylenes	<0.00400	0.200	0.162	81	0.172	86	70-135	6	35	mg/kg	03.18.17 01:20	
o-Xylene	<0.00200	0.100	0.0838	84	0.0895	90	71-133	7	35	mg/kg	03.18.17 01:20	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	88		104		104		80-120	%	03.18.17 01:20
4-Bromofluorobenzene	100		103		103		80-120	%	03.18.17 01:20

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3012889 Matrix: Soil Date Prep: 03.18.17
Parent Sample Id: 548738-001 MS Sample Id: 548738-001 S MSD Sample Id: 548738-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0879	88	0.0877	88	70-130	0	35	mg/kg	03.20.17 15:58	
Toluene	<0.00200	0.100	0.0815	82	0.0802	80	70-130	2	35	mg/kg	03.20.17 15:58	
Ethylbenzene	<0.00200	0.100	0.0873	87	0.0868	87	71-129	1	35	mg/kg	03.20.17 15:58	
m,p-Xylenes	<0.00400	0.200	0.176	88	0.175	88	70-135	1	35	mg/kg	03.20.17 15:58	
o-Xylene	<0.00200	0.100	0.0886	89	0.0905	91	71-133	2	35	mg/kg	03.20.17 15:58	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		104		80-120	%	03.20.17 15:58
4-Bromofluorobenzene	98		104		80-120	%	03.20.17 15:58

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3012857 Matrix: Solid Date Prep: 03.16.17
MB Sample Id: 721638-1-BLK LCS Sample Id: 721638-1-BKS LCSD Sample Id: 721638-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<4.00	20.0	18.7	94	18.7	94	35-129	0	20	mg/kg	03.16.17 22:17	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	110		118		113		76-123	%	03.16.17 22:17
a,a,a-Trifluorotoluene	116		100		103		69-120	%	03.16.17 22:17

QC Summary 548698

BCC, Inc.-Lubbock

Texland Petroleum

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B

Seq Number: 3012857 Matrix: Soil Date Prep: 03.16.17

Parent Sample Id: 548698-001 MS Sample Id: 548698-001 S MSD Sample Id: 548698-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<198	990	<198	0	<200	0	35-129	NC	20	mg/kg	03.17.17 00:57	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	101		100		76-123	%	03.17.17 00:57
a,a,a-Trifluorotoluene	111		110		69-120	%	03.17.17 00:57

LAB Order ID # 546698

Page _____ of _____

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

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Brandon & Clark
3403 Industrial Blvd.
Hobbs, NM 88240
Tel (575) 392-7561
Fax (575) 392-4508

Company Name: BCC, Inc.
Phone #: 806.771.8033
Address: (Street, City, Zip) 3302 122nd Lubbock, TX. 79423
Fax #: 806.687.6926
Contact Person: Paul Porter
E-mail: bcccorp@aol.com
Invoice to: (If different from above) P.O. Box 53427 Lubbock, TX. 79453
Project #:
Project Name: Texland Petroleum
Project Location (including state): Lea YL State #2 (NM)
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
001	Sample 1A-Surface	1			✓							✓		3/14/17	3:00
002	1A-16	1			✓							✓		3/14	3:15

LAB #	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
001		✓		✓														✓			
002		✓		✓														✓			

EPA 300

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Paul Porter	BCC, Inc.	3/15/17					
				Paula Quevara	Xenco	03.15.17	14:29

INST ____ °C
OBS ____ °C
COR ____ °C

INST 14.3 °C
OBS 16.3 °C
COR 16.2 °C

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

REMARKS:

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

Carrier # Client

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

Revision 1, 09/15/15

ORIGINAL COPY

Final 1.003

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TRACEANALYSIS, INC.

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: BCC, Inc.-Lubbock

Date/ Time Received: 03/15/2017 02:29:00 PM

Work Order #: 548698

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

Temperature Measuring device used : IR3

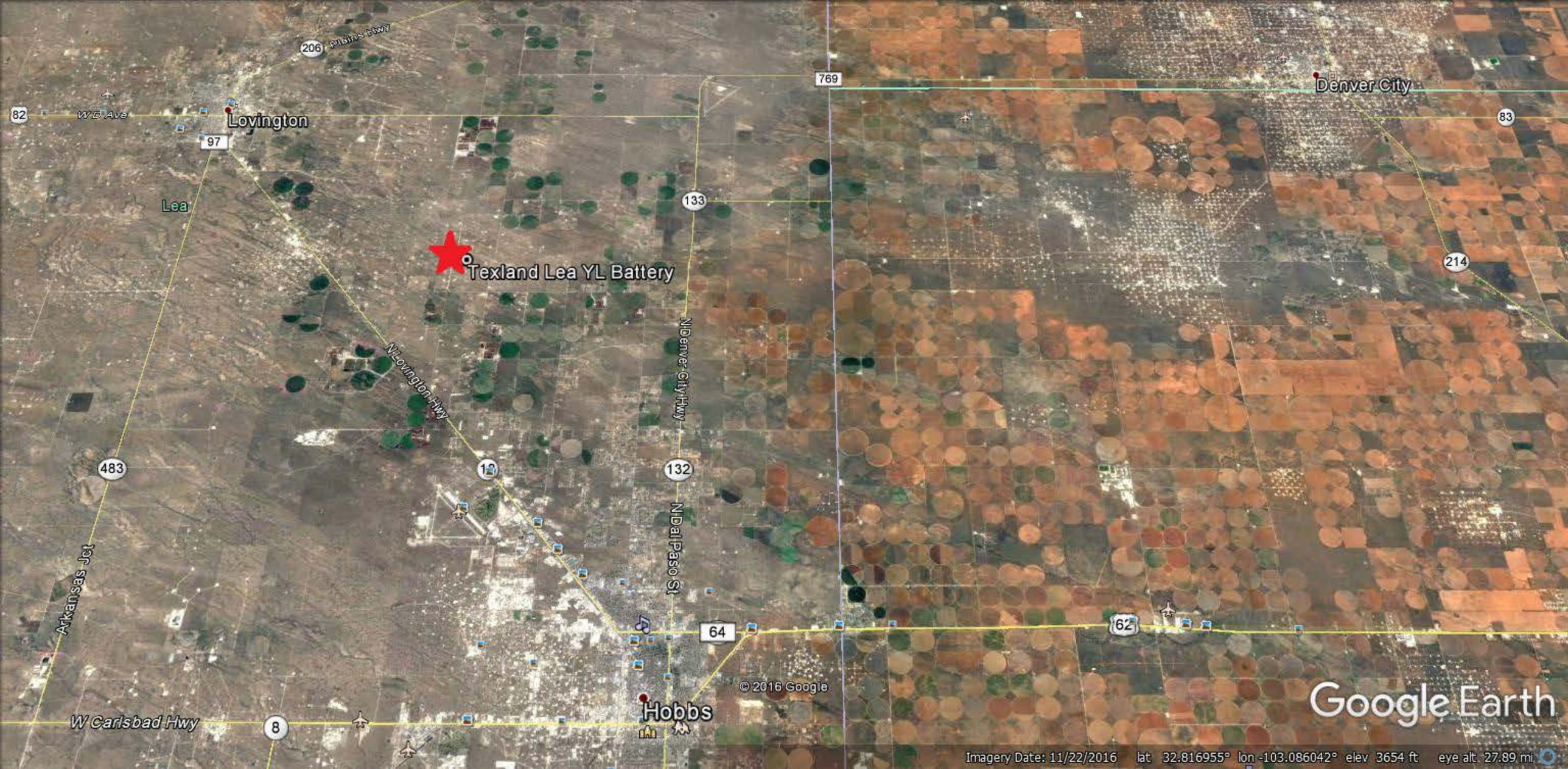
Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	16.2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**No**	
#4 *Custody Seal present on shipping container/ cooler?	**No**	
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#6 Custody Seals intact on sample bottles?	**N/A**	
#7 *Custody Seals Signed and dated?	**N/A**	
#8 *Chain of Custody present?	**Yes**	
#9 Sample instructions complete on Chain of Custody?	**Yes**	
#10 Any missing/extra samples?	**No**	
#11 Chain of Custody signed when relinquished/ received?	**Yes**	
#12 Chain of Custody agrees with sample label(s)?	**Yes**	
#13 Container label(s) legible and intact?	**Yes**	
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**	
#15 Samples in proper container/ bottle?	**Yes**	
#16 Samples properly preserved?	**Yes**	
#17 Sample container(s) intact?	**Yes**	
#18 Sufficient sample amount for indicated test(s)?	**Yes**	
#19 All samples received within hold time?	**Yes**	
#20 Subcontract of sample(s)?	**Yes**	Xenco San Antonio
#21 VOC samples have zero headspace?	**N/A**	
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**	
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**	

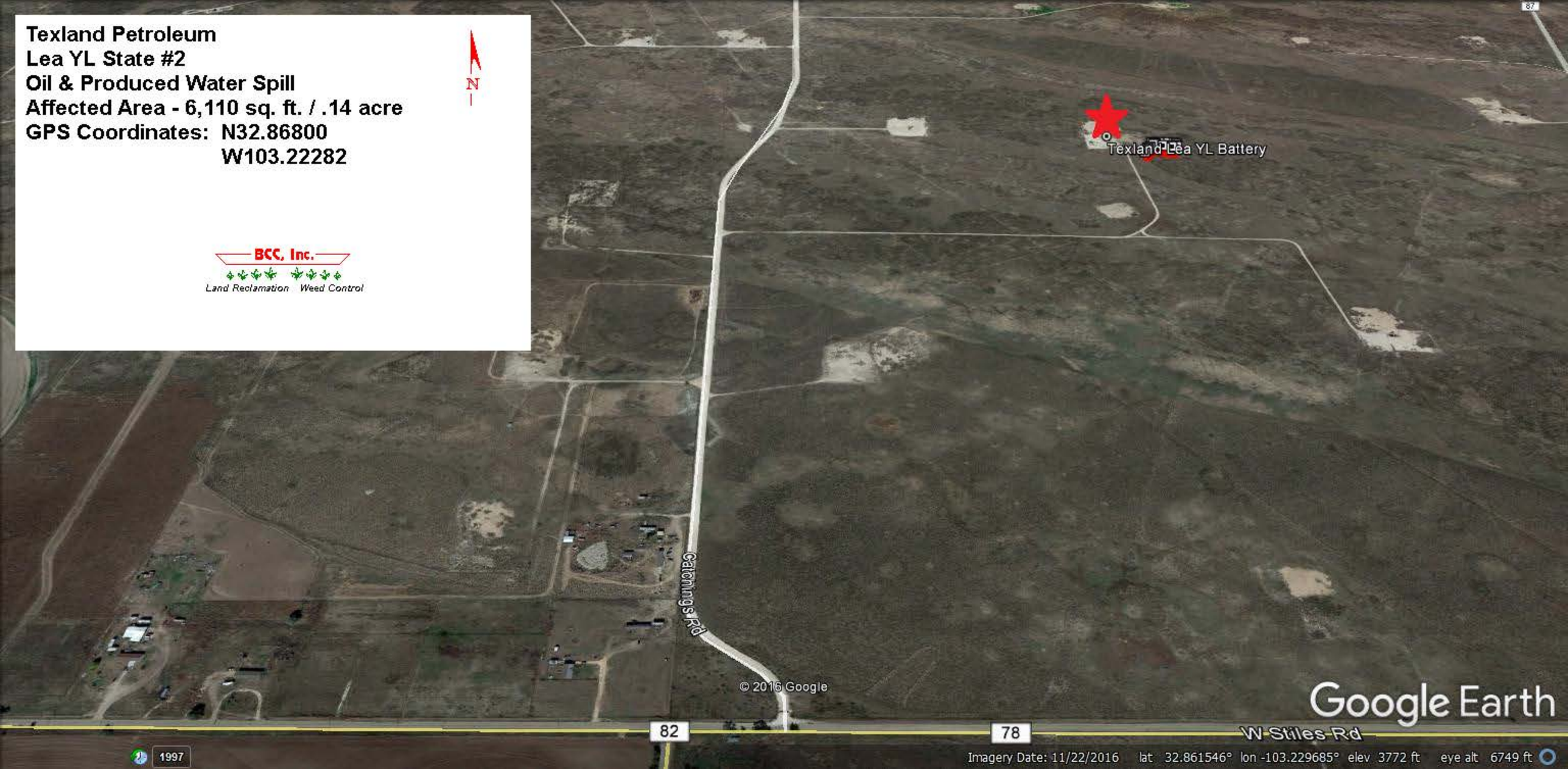
*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Ashley Derstine Date: 03/15/2017

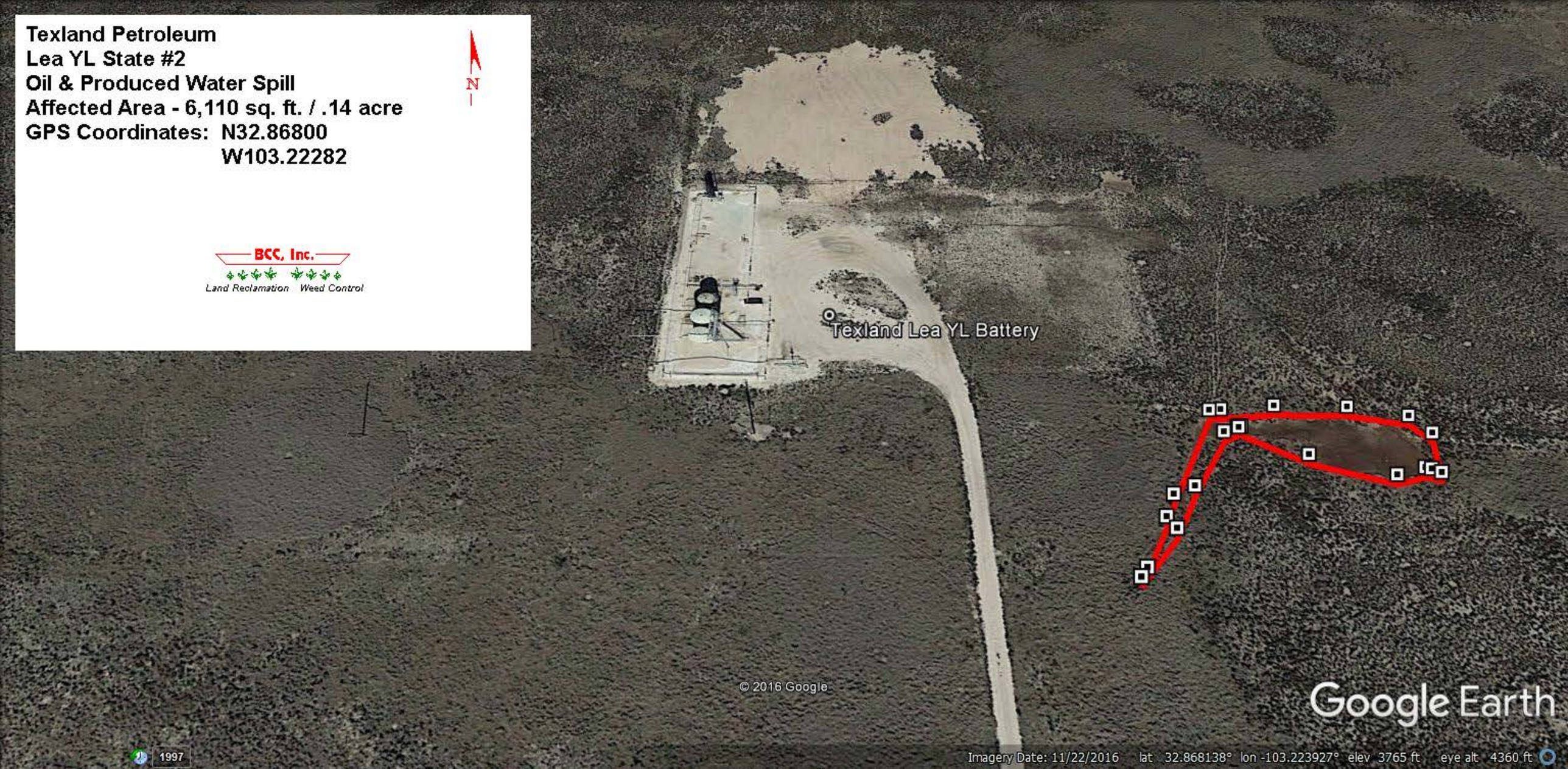
Checklist reviewed by: Brandi Ritcherson Date: 03/16/2017


Lovington
Texland Lea YL Battery
Denver City
Hobbs
Lea
N Lovington Hwy
N Denver City Hwy
N Dal Paso St
Arkansas Jct
W Carlsbad Hwy
206
82
97
769
83
133
214
483
132
64
62
8
© 2016 Google
Google Earth
Imagery Date: 11/22/2016 lat 32.816955° lon -103.086042° elev 3654 ft eye alt 27.89 mi


Texland Petroleum
Lea YL State #2
Oil & Produced Water Spill
Affected Area - 6,110 sq. ft. / .14 acre
GPS Coordinates: N32.86800
W103.22282
BCC, Inc.
Land Reclamation Weed Control
N
Texland Lea YL Battery
Gaines Rd
© 2016 Google
Google Earth
82
78
W Stiles Rd
1997
Imagery Date: 11/22/2016 lat 32.861546° lon -103.229685° elev 3772 ft eye alt 6749 ft

Texland Petroleum
Lea YL State #2
Oil & Produced Water Spill
Affected Area - 6,110 sq. ft. / .14 acre
GPS Coordinates: N32.86800
W103.22282

BCC, Inc.
Land Reclamation Weed Control




IN CASE OF EMERGENCY
CALL COLLECT:
TEXLAND PETROLEUM
1-806-894-4316
TEXLAND PETROLEUM
HOBBS LLC
UNIT C, SEC. 2-T17S-R37E
LEA COUNTY, NM
CAUTION
H2S
MAY BE PRESENT
03 14 2017


03 14 2017


03 14 2017


03 14 2017


03 14 2017