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

Texland Petroleum
State 'A' 29 Lease – Well #7
Unit K, Sec. 29-T18S-R38E, Lea Co., NM
Oil & Produced Water Spill
Affected Surface Area – 6,720 sq. ft. / .15 acre
GPS Coordinates: N32.71488 W103.17128

OCD Case Number 1RP-5025

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised April 3, 2017

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

Release Notification and Corrective Action

OPERATOR

☑ Initial Report ☐ Final Report

Name of Company Texland Petroleum-Hobbs, LLC	Contact Vickie Smith
Address 777 Main St, Ste 3200, Fort Worth, TX 76102	Telephone No. 575-433-8395
Facility Name State A 29	Facility Type battery

Surface Owner Fee	Mineral Owner state	API No. 30-025-22934

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	29	18S	38E	660'	North	1850'	West	Lea

Latitude_____ **Longitude**_____ NAD83

NATURE OF RELEASE

Type of Release <1 BO + est 10-20 BPW	Volume of Release<1 BO + 10-20 BPD	Volume Recovered zero
Source of Release flow line	Date and Hour of Occurrence unknown	Date and Hour of Discovery 4/22/18 10:27 AM
Was Immediate Notice Given? ☐ Yes ☑ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☑ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

APPROVED
By Olivia Yu at 1:18 pm, Apr 24, 2018

Describe Cause of Problem and Remedial Action Taken.*

small washed out area of flow line failed, immediately turned off well

Describe Area Affected and Cleanup Action Taken.*

Skim oil and water flowed to low area on Conoco Phillips' caliche pad, Texland will use a back hoe to remove all contaminated caliche and replace with new/fresh caliche

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: Vickie Smith	OIL CONSERVATION DIVISION
Printed Name: Vickie Smith	Approved by Environmental Specialist:
Title: Regulatory Analyst	Approval Date: 4/24/2018 Expiration Date:
E-mail Address: vsmith@texpetro.com	Conditions of Approval: see attached directive ☐ Attached
Date: 4/23/18 Phone: 575-433-8395	

* Attach Additional Sheets If Necessary

1RP-5025 nOY1811448112

pOY1811448332

State of New Mexico
Oil Conservation Division

nOY1811448112

Incident ID	IRP - 5025
District RP	
Facility ID	Texland State A 29
Application ID	

Closure

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

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

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

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

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

☑ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Paul Porter Title: Vice President - BCC, Inc.

Signature: Paul Porter Date: 1/25/19

email: bcccorp@aol.com Telephone: (806) 771-8033

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Dylan Rose-Coss Date: 05/02/2019

Printed Name: Dylan Rose-Coss Title: OCD District 1 Environmental Scientist

3302 122nd Street
Lubbock, Texas 79423
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Lubbock, Texas 79453
Phone: 806-771-8033
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www.bcccorp.com

BIOREMEDIATION CONTRACTORS & CONSULTANTS
BCC, Inc.
Land Reclamation Weed Control

ENVIRONMENTAL RESPECT
NATIONAL AWARD WINNER

January 25, 2019

Texland Petroleum
State 'A' 29 Lease – Well #7
Unit K, Sec. 29-T18S-R38E, Lea Co., NM
Affected Surface Area – 6,720 sq. ft. / .15 acre
GPS Coordinates: N32.71488 W103.17128

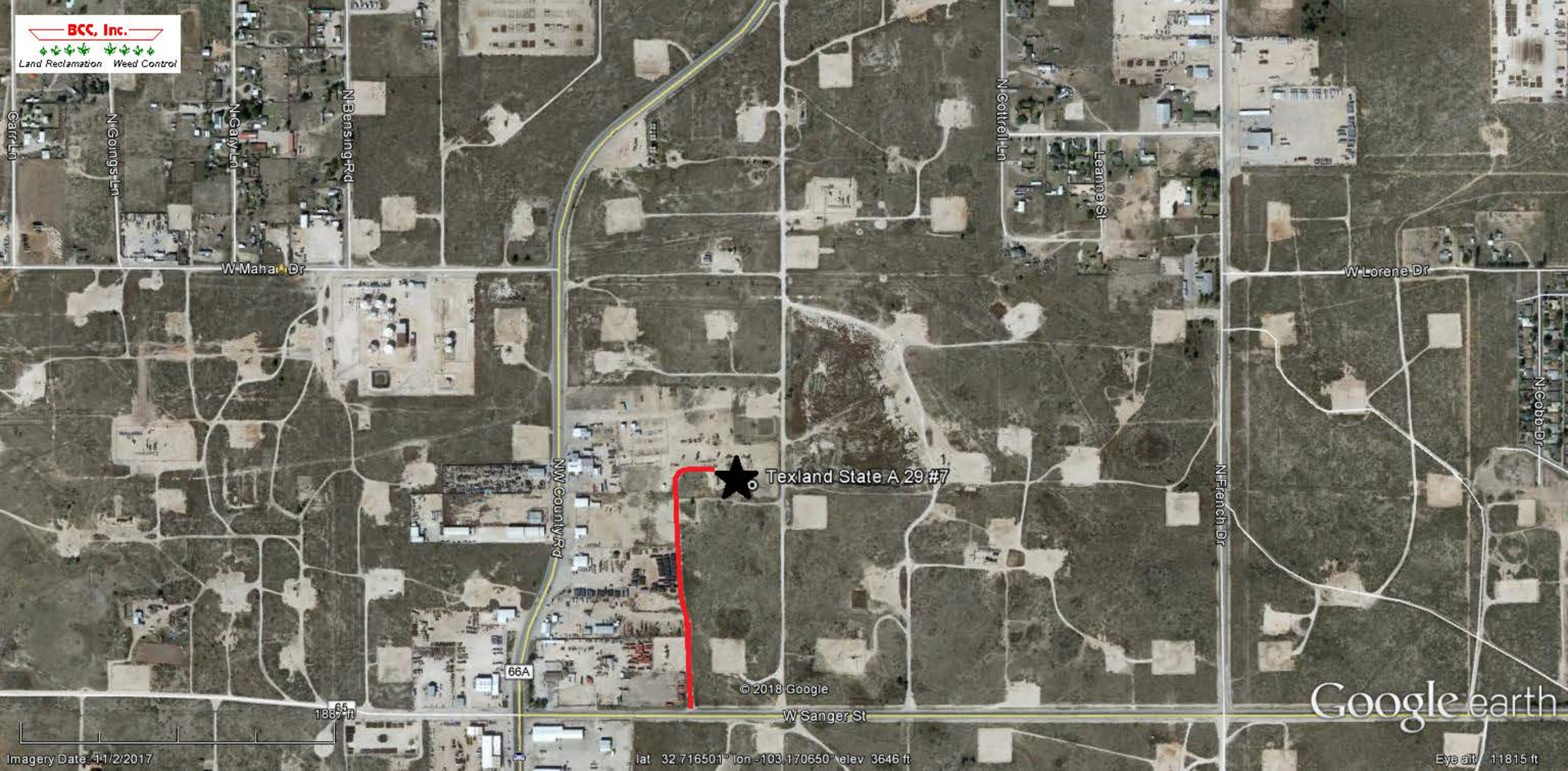
OCD Case Number 1RP-5025

Summary of Remedial Activities

On April 26, 2018, BCC, Inc. conducted a site assessment of an oil and produced water release that originated from a ruptured flowline running from Texland Petroleum's State 'A' 29 Well #7. The total volume released was less than 20 barrels of produced water, which included skim oil. The affected surface area was located 40 yards southeast of the State 'A' 29 Tank Battery on a caliche pad inside the city limits of Hobbs, New Mexico. All of the affected surface areas were mapped and tracked by GPS with the square footage totaling 6,720 square feet, or .15 acre. The affected soils did not contain any free liquids and they were not impacting any wildlife or vegetation. According to the New Mexico Office of the State Engineer, the average depth to ground water below land surface at this site is 62 feet. The horizontal distance from the nearest surface water body is >1,000 feet. On-site field testing of the soil including both chloride and TPH analysis was performed on May 16, 2018 and laboratory BTEX, TPH, and chloride analysis of the soil from the bottom of the bore holes was performed on May 30, 2018 (analysis attached).

Delineation of this site revealed that the chloride contamination throughout the center affected areas extended vertically to an average depth of four feet below ground surface and the affected areas on the flanks extended vertically to an average depth of three feet bgs (see attached map). Based on this information, the corrective action plan for this release consisted of excavating the center affected areas to 4' bgs and the flanks to 3' bgs and disposing the contaminated soils at an off-site permitted facility. After excavation was complete, confirmation soil samples were pulled from the various bases of the excavation as well as from the sidewalls and laboratory analyzed on October 17, 2018 to confirm that the chloride levels were satisfactory before any backfilling occurred. A confirmation soil sample was also pulled from the release point and laboratory analyzed for BTEX, TPH, and chloride content (analysis attached). After the NMOCD and the NMSLO had a chance to review the confirmation soil sample analysis, a backfill approval was issued on November 13, 2018. Due to this site being a caliche pad location, no revegetation plan was submitted for this release.

Paul Porter
Vice President
BCC, Inc.


BCC, Inc.
Land Reclamation Weed Control
Carr Ln
N Goings Ln
N Gary Ln
N Bensing Rd
N Cottrell Ln
Leanne St
W Mahan Dr
W Lorene Dr
N Cobb Dr
N French Dr
NW County Rd
Texland State A 29 #7
66A
65
W Sanger St
© 2018 Google
Google earth
1887 ft
Imagery Date: 11/2/2017
lat 32.716501° lon -103.170650° elev 3646 ft
Eye alt 11815 ft

Texland Petroleum
State 'A' 29 Lease - Well #7
Oil & Produced Water Spill
Affected Surface Area - 6,720 sq. ft. / .15 acre
GPS Coordinates: N32.71488
W103.17128

BCC, Inc.
Land Reclamation Weed Control

Texland Petroleum
State 'A' 29 Lease - Well #7
OCD Case Number 1RP-5025

Sample ID	Depth (in. or ft.)	Field or Lab Test	Benzene (mg/kg)	BTEX (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)	GPS Coordinates
1A	24 in.	Field			<1,000	4,652	N32.714885 W103.171295
1A	36 in.	Field			<1,000	888	N32.714885 W103.171295
1A	48 in.	Field			<1,000	456	N32.714885 W103.171295
1A	108 in.	Lab	<0.00843	<0.00437	<15.3	109	N32.714885 W103.171280
1B	24 in.	Field			<1,000	759	N32.714728 W103.171131
1B	36 in.	Field			<1,000	168	N32.714728 W103.171131
1B	96 in.	Lab	<0.00876	<0.00453	<15.3	131	N32.714735 W103.171120
1C	24 in.	Field			<1,000	1,091	N32.714873 W103.170944
1C	36 in.	Field			<1,000	741	N32.714873 W103.170944
1C	48 in.	Field			<1,000	503	N32.714873 W103.170944
1C	108 in.	Lab	<0.00890	<0.00461	<15.3	182	N32.714873 W103.170959
1D	36 in.	Field			<1,000	389	N32.714949 W103.171063
1D	96 in.	Lab	<0.00868	<0.00449	<15.2	180	N32.714948 W103.171045
1E	24 in.	Field			<1,000	647	N32.715052 W103.171003
1E	36 in.	Field			<1,000	493	N32.715052 W103.171003
1E	96 in.	Lab	<0.00888	<0.00460	<15.1	238	N32.715039 W103.171002
1F	48 in.	Field			<1,000	407	N32.714872 W103.171126
1F	108 in.	Lab	<0.00878	<0.00454	31.1	104	N32.714886 W103.171105

Certificate of Analysis Summary 587349

BCC, Inc.-Lubbock, Lubbock, TX

Project Name: Texland Petroleum

Project Id:

Contact: Paul Porter

Project Location: State 'A' 29 Lease -Well #7 (NM)

Date Received in Lab: Fri May-25-18 03:30 pm

Report Date: 05-JUN-18

Project Manager: Brandi Ritcherson

Analysis Requested													
	Lab Id:	587349-001		587349-002		587349-003		587349-004		587349-005		587349-006	
	Field Id:	1A - 108		1B - 96		1C - 108		1D - 96		1E - 96		1F - 108	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	May-22-18 09:30		May-22-18 09:50		May-22-18 10:10		May-22-18 10:30		May-22-18 11:00		May-22-18 11:30	
BTEX by EPA 8021B	***Extracted:***	May-29-18 13:30		May-29-18 13:30		May-29-18 13:30		May-29-18 13:30		May-29-18 13:30		May-29-18 13:30	
	Analyzed:	May-30-18 03:06		May-30-18 05:48		May-30-18 06:15		May-30-18 06:42		May-30-18 07:09		May-30-18 07:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00843	0.0187	<0.00876	0.0194	<0.00890	0.0197	<0.00868	0.0192	<0.00888	0.0196	<0.00878	0.0194
Toluene		<0.00437	0.0187	<0.00453	0.0194	<0.00461	0.0197	<0.00449	0.0192	<0.00460	0.0196	<0.00454	0.0194
Ethylbenzene		<0.00575	0.0187	<0.00597	0.0194	<0.00606	0.0197	<0.00591	0.0192	<0.00605	0.0196	<0.00598	0.0194
m,p-Xylenes		<0.00636	0.0373	<0.00661	0.0388	<0.00671	0.0394	<0.00655	0.0384	<0.00670	0.0393	<0.00662	0.0388
o-Xylene		<0.00636	0.0187	<0.00661	0.0194	<0.00671	0.0197	<0.00655	0.0192	<0.00670	0.0196	<0.00662	0.0194
Total Xylenes		<0.00636	0.0187	<0.00661	0.0194	<0.00671	0.0197	<0.00655	0.0192	<0.00670	0.0196	<0.00662	0.0194
Total BTEX		<0.00437	0.0187	<0.00453	0.0194	<0.00461	0.0197	<0.00449	0.0192	<0.00460	0.0196	<0.00454	0.0194
Chloride by EPA 300	***Extracted:***	Jun-01-18 15:00		Jun-01-18 15:00		Jun-01-18 15:00		Jun-01-18 15:00		Jun-01-18 15:00		Jun-01-18 15:00	
	Analyzed:	Jun-04-18 19:41		Jun-04-18 19:53		Jun-04-18 20:18		Jun-04-18 20:43		Jun-04-18 20:56		Jun-04-18 21:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		109	25.0	131	25.0	182	25.0	180	25.0	238	25.0	104	25.0
DRO-ORO By SW8015B	***Extracted:***	May-29-18 14:00		May-29-18 14:00		May-29-18 14:00		May-29-18 14:00		May-29-18 14:00		May-29-18 14:00	
	Analyzed:	May-29-18 16:54		May-29-18 18:45		May-29-18 19:21		May-29-18 20:00		May-29-18 20:36		May-29-18 21:11	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Diesel Range Organics (DRO)		<7.53	25.2	<7.53	25.2	<7.52	25.1	<7.49	25.0	<7.43	24.8	23.3 J	25.2
Oil Range Hydrocarbons (ORO)		<7.53	25.2	<7.53	25.2	<7.52	25.1	<7.49	25.0	<7.43	24.8	<7.54	25.2
TPH GRO by EPA 8015 Mod.	***Extracted:***	May-29-18 13:30		May-29-18 13:30		May-29-18 13:30		May-29-18 13:30		May-29-18 13:30		May-29-18 13:30	
	Analyzed:	May-30-18 03:06		May-30-18 05:48		May-30-18 06:15		May-30-18 06:42		May-30-18 07:09		May-30-18 07:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
TPH-GRO		<0.253	3.73	<0.263	3.88	<0.267	3.94	<0.260	3.84	<0.266	3.93	<0.263	3.88

Brandi Ritcherson
Project Manager

LAB Order ID #_____

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): State 'A' 29 Lease - Well #7 (NM) Sampler Signature: Paul Porter

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 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
	1A - 108	1			✓							✓		5/22/18	9:30		✓		✓													✓								
	1B - 96	1			✓							✓		5/22	9:50		✓		✓													✓								
	1C - 108	1			✓							✓		5/22	10:10		✓		✓													✓								
	1D - 96	1			✓							✓		5/22	10:30		✓		✓													✓								
	1E - 96	1			✓							✓		5/22	11:00		✓		✓													✓								
	1F - 108	1			✓							✓		5/22	11:30		✓		✓													✓								

EPA 300

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Paul Porter	BCC, Inc.	5/25/18						INST ____ OBS ____ °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ OBS ____ °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST 1.5 OBS 2.0 °C COR 2.0 °C
						5/25/18	15:30	

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 # _____

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

Revision 1, 09/15/15

ORIGINAL COPY


Texland Petroleum
State 'A' 29 Lease - Well #7
Oil & Produced Water Spill
Affected Surface Area - 6,720 sq. ft. / .15 acre
GPS Coordinates: N32.71488
W103.17128
BCC, Inc.
Land Reclamation Weed Control
- Planned Excavation Depth - 3 feet
- Planned Excavation Depth - 4 feet
N
Texland State A 29 #7
Release Point
A
B
C
D
E
F
© 2018 Google
95 ft
Google earth
Imagery Date: 11/2/2017
lat 32.714935° lon -103.171606° elev 3653 ft
Eye alt 4061 ft


Texland Petroleum
State 'A' 29 Lease - Well #7
Oil & Produced Water Spill
Affected Surface Area - 6,720 sq. ft. / .15 acre
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W103.17128
BCC, Inc.
Land Reclamation Weed Control
- Excavation Depth - 3 feet
- Excavation Depth - 4 feet
N
Texland State A 29 #7
Release Point
© 2018 Google
95 ft
Google earth
Imagery Date: 11/2/2017
lat 32.714935° lon -103.171606° elev 3653 ft
Eye alt 4061 ft


10 16 2018


10 16 2018

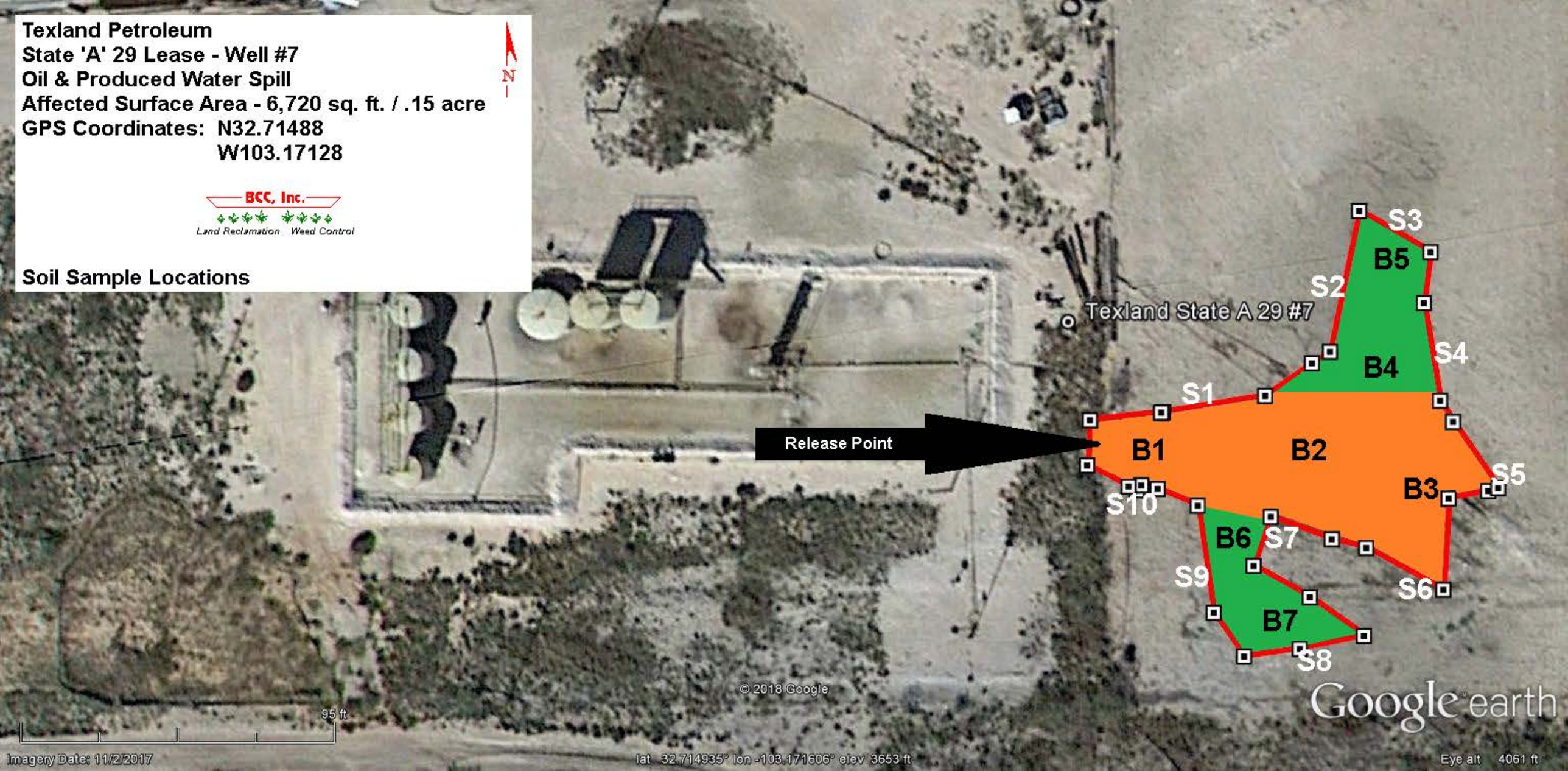

10 16 2018


10 16 2018

Texland Petroleum
State 'A' 29 Lease - Well #7
Oil & Produced Water Spill
Affected Surface Area - 6,720 sq. ft. / .15 acre
GPS Coordinates: N32.71488
W103.17128

BCC, Inc.
Land Reclamation Weed Control

Soil Sample Locations



Texland Petroleum
State 'A' 29 Lease - Well #7
OCD Case Number 1RP-5025

CONFIRMATION RELEASE POINT & BOTTOM SOIL SAMPLES

Sample ID	Depth (inches)	Field or Lab Test	Benzene (mg/kg)	BTEX (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)	GPS Coordinates
Release Point	0-6 in.	Lab	<0.00897	<0.00464	<15.15	520	N32.71489 W103.17131
B1	48 in.	Lab				42.0	N32.71488 W103.17126
B2	48 in.	Lab				137	N32.71488 W103.17107
B3	48 in.	Lab				291	N32.71483 W103.17097
B4	36 in.	Lab				8.42	N32.71494 W103.17103
B5	36 in.	Lab				25.6	N32.71505 W103.17101
B6	36 in.	Lab				5.82	N32.71481 W103.17117
B7	36 in.	Lab				5.92	N32.71473 W103.17111

Texland Petroleum
State 'A' 29 Lease - Well #7
OCD Case Number 1RP-5025

CONFIRMATION SIDEWALL SOIL SAMPLES

Sample ID	Depth (inches)	Field or Lab Test	Benzene (mg/kg)	BTEX (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)	GPS Coordinates
S1	24 in.	Lab				290	N32.71492 W103.17122
S2	18 in.	Lab				42.7	N32.71500 W103.17106
S3	18 in.	Lab				22.9	N32.71506 W103.17100
S4	18 in.	Lab				102	N32.71497 W103.17097
S5	24 in.	Lab				28.7	N32.71486 W103.17091
S6	24 in.	Lab				410	N32.71478 W103.17097
S7	18 in.	Lab				6.15	N32.71482 W103.17112
S8	18 in.	Lab				18.4	N32.71472 W103.17110
S9	18 in.	Lab				6.48	N32.71479 W103.17119
S10	24 in.	Lab				553	N32.71486 W103.17126

Certificate of Analysis Summary 602542

BCC, Inc.-Lubbock, Lubbock, TX

Project Name: Texland Petroleum

Project Id:
Contact: Paul Porter
Project Location: State 'A' 29 Well #7

Date Received in Lab: Wed Oct-17-18 09:09 am
Report Date: 22-OCT-18
Project Manager: Brandi Ritcherson

Analysis Requested													
	Lab Id:	602542-001		602542-002		602542-003		602542-004		602542-005		602542-006	
	Field Id:	Release Point		B1		B2		B3		B4		B5	
	Depth:	0-6 In		48 In		48 In		48 In		36 In		36 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Oct-16-18 13:00		Oct-16-18 13:05		Oct-16-18 13:11		Oct-16-18 13:15		Oct-16-18 13:22		Oct-16-18 13:29	
BTEX by EPA 8021B	***Extracted:***	Oct-17-18 14:30											
	Analyzed:	Oct-17-18 23:52											
	Units/RL:	mg/kg	RL										
Benzene		<0.00897	0.0198										
Toluene		<0.00464	0.0198										
Ethylbenzene		<0.00611	0.0198										
m,p-Xylenes		<0.00677	0.0397										
o-Xylene		<0.00677	0.0198										
Total Xylenes		<0.00677	0.0198										
Total BTEX		<0.00464	0.0198										
Chloride by EPA 300	***Extracted:***	Oct-17-18 11:00		Oct-17-18 11:00		Oct-17-18 11:00		Oct-17-18 11:00		Oct-17-18 11:00		Oct-17-18 11:00	
	Analyzed:	Oct-17-18 16:07		Oct-17-18 16:20		Oct-17-18 16:32		Oct-17-18 16:44		Oct-17-18 16:57		Oct-17-18 17:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		520	125	42.0	25.0	137	25.0	291	25.0	8.42 J	25.0	25.6	25.0
DRO-ORO By SW8015B	***Extracted:***	Oct-19-18 12:30											
	Analyzed:	Oct-19-18 15:16											
	Units/RL:	mg/kg	RL										
Diesel Range Organics (DRO)		<7.44	24.9										
Oil Range Hydrocarbons (ORO)		<7.44	24.9										
TPH GRO by EPA 8015 Mod.	***Extracted:***	Oct-17-18 14:30											
	Analyzed:	Oct-17-18 23:52											
	Units/RL:	mg/kg	RL										
TPH-GRO		<0.269	3.97										

Brandi Ritcherson
Project Manager

Certificate of Analysis Summary 602542

BCC, Inc.-Lubbock, Lubbock, TX

Project Name: Texland Petroleum

Project Id:

Contact: Paul Porter

Project Location: State 'A' 29 Well #7

Date Received in Lab: Wed Oct-17-18 09:09 am

Report Date: 22-OCT-18

Project Manager: Brandi Ritcherson

Analysis Requested													
	Lab Id:	602542-007		602542-008		602542-009		602542-010		602542-011		602542-012	
	Field Id:	B6		B7		S1		S2		S3		S4	
	Depth:	36 In		36 In		24 In		18 In		18 In		18 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Oct-16-18 13:40		Oct-16-18 13:45		Oct-16-18 13:55		Oct-16-18 14:04		Oct-16-18 14:10		Oct-16-18 14:15	
Chloride by EPA 300	***Extracted:***	Oct-17-18 11:00		Oct-17-18 11:00		Oct-17-18 11:00		Oct-17-18 11:00		Oct-17-18 11:00		Oct-17-18 11:00	
	Analyzed:	Oct-17-18 17:22		Oct-17-18 17:34		Oct-17-18 17:59		Oct-17-18 18:48		Oct-17-18 19:01		Oct-17-18 19:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		5.82 J	25.0	5.92 J	25.0	290	25.0	42.7	25.0	22.9 J	25.0	102	25.0

Brandi Ritcherson
Project Manager

Certificate of Analysis Summary 602542

BCC, Inc.-Lubbock, Lubbock, TX

Project Name: Texland Petroleum

Project Id:
Contact: Paul Porter
Project Location: State 'A' 29 Well #7

Date Received in Lab: Wed Oct-17-18 09:09 am
Report Date: 22-OCT-18
Project Manager: Brandi Ritcherson

Analysis Requested													
	Lab Id:	602542-013		602542-014		602542-015		602542-016		602542-017		602542-018	
	Field Id:	S5		S6		S7		S8		S9		S10	
	Depth:	24 In		24 In		18 In		18 In		18 In		24 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Oct-16-18 14:20		Oct-16-18 14:27		Oct-16-18 14:45		Oct-16-18 14:50		Oct-16-18 14:54		Oct-16-18 15:00	
Chloride by EPA 300	***Extracted:***	Oct-17-18 11:00		Oct-17-18 11:00		Oct-17-18 11:00		Oct-17-18 11:00		Oct-17-18 11:00		Oct-17-18 11:00	
	Analyzed:	Oct-17-18 19:26		Oct-17-18 19:38		Oct-17-18 19:51		Oct-17-18 20:03		Oct-17-18 20:15		Oct-17-18 21:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		28.7	25.0	410	125	6.15 J	25.0	18.4 J	25.0	6.48 J	25.0	553 D	125

Brandi Ritcherson
Project Manager

Analytical Report 602542

for

BCC, Inc.-Lubbock

Project Manager: Paul Porter

Texland Petroleum

22-OCT-18

Collected By: Client

6701 Aberdeen, Suite 9 Lubbock, TX 79424

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-17)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429)
Xenco-Lakeland: Florida (E84098)

22-OCT-18

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

Reference: XENCO Report No(s): **602542**
Texland Petroleum
Project Address: State 'A' 29 Well #7

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) 602542. 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. 602542 will be filed for 45 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,

Brandi Ritcherson
Project Manager

Sample Cross Reference 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Release Point	S	10-16-18 13:00	0 - 6 In	602542-001
B1	S	10-16-18 13:05	- 48 In	602542-002
B2	S	10-16-18 13:11	- 48 In	602542-003
B3	S	10-16-18 13:15	- 48 In	602542-004
B4	S	10-16-18 13:22	- 36 In	602542-005
B5	S	10-16-18 13:29	- 36 In	602542-006
B6	S	10-16-18 13:40	- 36 In	602542-007
B7	S	10-16-18 13:45	- 36 In	602542-008
S1	S	10-16-18 13:55	- 24 In	602542-009
S2	S	10-16-18 14:04	- 18 In	602542-010
S3	S	10-16-18 14:10	- 18 In	602542-011
S4	S	10-16-18 14:15	- 18 In	602542-012
S5	S	10-16-18 14:20	- 24 In	602542-013
S6	S	10-16-18 14:27	- 24 In	602542-014
S7	S	10-16-18 14:45	- 18 In	602542-015
S8	S	10-16-18 14:50	- 18 In	602542-016
S9	S	10-16-18 14:54	- 18 In	602542-017
S10	S	10-16-18 15:00	- 24 In	602542-018

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3066878 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3067015 DRO-ORO By SW8015B
Surrogate Tricosane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 602542-001 S,602542-001 SD.

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**Release Point**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-001	Date Collected:	10.16.18 13.00	Sample Depth:	0 - 6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**520**	125	28.6	mg/kg	10.17.18 16.07		50

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	10.19.18 12.30	Basis:	Wet Weight
Seq Number:	3067015				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	<7.44	24.9	7.44	mg/kg	10.19.18 15.16	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<7.44	24.9	7.44	mg/kg	10.19.18 15.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	144	%	65-144	10.19.18 15.16	
n-Triacontane	638-68-6	109	%	46-152	10.19.18 15.16	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	10.17.18 14.30	Basis:	Wet Weight
Seq Number:	3066878				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00897	0.0198	0.00897	mg/kg	10.17.18 23.52	U	1
Toluene	108-88-3	<0.00464	0.0198	0.00464	mg/kg	10.17.18 23.52	U	1
Ethylbenzene	100-41-4	<0.00611	0.0198	0.00611	mg/kg	10.17.18 23.52	U	1
m,p-Xylenes	179601-23-1	<0.00677	0.0397	0.00677	mg/kg	10.17.18 23.52	U	1
o-Xylene	95-47-6	<0.00677	0.0198	0.00677	mg/kg	10.17.18 23.52	U	1
Total Xylenes	1330-20-7	<0.00677	0.0198	0.00677	mg/kg	10.17.18 23.52	U	1
Total BTEX		<0.00464	0.0198	0.00464	mg/kg	10.17.18 23.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	84	%	68-120	10.17.18 23.52	
a,a,a-Trifluorotoluene	98-08-8	87	%	71-121	10.17.18 23.52	

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**Release Point**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-001	Date Collected:	10.16.18 13.00	Sample Depth:	0 - 6 In
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	10.17.18 14.30	Basis:	Wet Weight
Seq Number:	3066881				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	<0.269	3.97	0.269	mg/kg	10.17.18 23.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	84	%	76-123	10.17.18 23.52	
a,a,a-Trifluorotoluene	98-08-8	86	%	69-120	10.17.18 23.52	

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**B1**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-002	Date Collected:	10.16.18 13.05	Sample Depth:	48 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**42.0**	25.0	0.572	mg/kg	10.17.18 16.20		1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**B2**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-003	Date Collected:	10.16.18 13.11	Sample Depth:	48 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**137**	25.0	0.572	mg/kg	10.17.18 16.32		1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**B3**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-004	Date Collected:	10.16.18 13.15	Sample Depth:	48 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**291**	25.0	0.572	mg/kg	10.17.18 16.44		1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**B4**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-005	Date Collected:	10.16.18 13.22	Sample Depth:	36 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.42**	25.0	0.572	mg/kg	10.17.18 16.57	J	1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**B5**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-006	Date Collected:	10.16.18 13.29	Sample Depth:	36 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**25.6**	25.0	0.572	mg/kg	10.17.18 17.09		1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**B6**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-007	Date Collected:	10.16.18 13.40	Sample Depth:	36 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.82**	25.0	0.572	mg/kg	10.17.18 17.22	J	1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**B7**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-008	Date Collected:	10.16.18 13.45	Sample Depth:	36 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.92**	25.0	0.572	mg/kg	10.17.18 17.34	J	1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**S1**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-009	Date Collected:	10.16.18 13.55	Sample Depth:	24 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**290**	25.0	0.572	mg/kg	10.17.18 17.59		1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**S2**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-010	Date Collected:	10.16.18 14.04	Sample Depth:	18 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**42.7**	25.0	0.572	mg/kg	10.17.18 18.48		1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**S3**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-011	Date Collected:	10.16.18 14.10	Sample Depth:	18 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.9**	25.0	0.572	mg/kg	10.17.18 19.01	J	1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**S4**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-012	Date Collected:	10.16.18 14.15	Sample Depth:	18 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**102**	25.0	0.572	mg/kg	10.17.18 19.13		1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**S5**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-013	Date Collected:	10.16.18 14.20	Sample Depth:	24 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**28.7**	25.0	0.572	mg/kg	10.17.18 19.26		1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**S6**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-014	Date Collected:	10.16.18 14.27	Sample Depth:	24 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**410**	125	2.86	mg/kg	10.17.18 19.38		5

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**S7**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-015	Date Collected:	10.16.18 14.45	Sample Depth:	18 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.15**	25.0	0.572	mg/kg	10.17.18 19.51	J	1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**S8**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-016	Date Collected:	10.16.18 14.50	Sample Depth:	18 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**18.4**	25.0	0.572	mg/kg	10.17.18 20.03	J	1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**S9**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-017	Date Collected:	10.16.18 14.54	Sample Depth:	18 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066738				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.48**	25.0	0.572	mg/kg	10.17.18 20.15	J	1

Certificate of Analytical Results 602542

BCC, Inc.-Lubbock, Lubbock, TX

Texland Petroleum

Sample Id:	**S10**	Matrix:	Soil	Date Received:	10.17.18 09.09
Lab Sample Id:	602542-018	Date Collected:	10.16.18 15.00	Sample Depth:	24 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	10.17.18 11.00	Basis:	Wet Weight
Seq Number:	3066740				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**553**	125	2.86	mg/kg	10.17.18 21.30	D	5

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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

QC Summary 602542

BCC, Inc.-Lubbock

Texland Petroleum

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3066738 Matrix: Solid Date Prep: 10.17.18
MB Sample Id: 7664358-1-BLK LCS Sample Id: 7664358-1-BKS LCSD Sample Id: 7664358-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.572	250	250	100	247	99	90-110	1	20	mg/kg	10.17.18 14:53	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3066740 Matrix: Solid Date Prep: 10.17.18
MB Sample Id: 7664359-1-BLK LCS Sample Id: 7664359-1-BKS LCSD Sample Id: 7664359-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1.40	250	254	102	254	102	90-110	0	20	mg/kg	10.17.18 20:53	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3066738 Matrix: Soil Date Prep: 10.17.18
Parent Sample Id: 602542-009 MS Sample Id: 602542-009 S MSD Sample Id: 602542-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	290	250	577	115	559	108	80-120	3	20	mg/kg	10.17.18 18:24	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3066738 Matrix: Soil Date Prep: 10.17.18
Parent Sample Id: 602552-001 MS Sample Id: 602552-001 S MSD Sample Id: 602552-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	5.45	25.0	132	506	130	498	80-120	2	20	mg/kg	10.17.18 15:42	X

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3066740 Matrix: Soil Date Prep: 10.17.18
Parent Sample Id: 602542-018 MS Sample Id: 602542-018 S MSD Sample Id: 602542-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	669	250	957	115	965	118	80-120	1	20	mg/kg	10.18.18 08:54	

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike
Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added
LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 602542

BCC, Inc.-Lubbock

Texland Petroleum

Analytical Method: **DRO-ORO By SW8015B** Prep Method: SW8015P
Seq Number: 3067015 Matrix: Solid Date Prep: 10.19.18
MB Sample Id: 7664494-1-BLK LCS Sample Id: 7664494-1-BKS LCSD Sample Id: 7664494-1-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)	<7.48	100	111	111	106	106	63-139	5	20	mg/kg	10.19.18 13:56	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tricosane	88		106		89		65-144	%	10.19.18 13:56
n-Triacontane	74		66		55		46-152	%	10.19.18 13:56

Analytical Method: **DRO-ORO By SW8015B** Prep Method: SW8015P
Seq Number: 3067015 Matrix: Soil Date Prep: 10.19.18
Parent Sample Id: 602542-001 MS Sample Id: 602542-001 S MSD Sample Id: 602542-001 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)	<7.54	101	126	125	120	120	63-139	5	20	mg/kg	10.19.18 15:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Tricosane	179	**	172	**	65-144	%	10.19.18 15:57
n-Triacontane	111		111		46-152	%	10.19.18 15:57

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3066878 Matrix: Solid Date Prep: 10.17.18
MB Sample Id: 7664453-1-BLK LCS Sample Id: 7664453-1-BKS LCSD Sample Id: 7664453-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00904	2.00	1.87	94	1.85	93	55-120	1	20	mg/kg	10.17.18 21:01	
Toluene	<0.00468	2.00	1.82	91	1.79	90	77-120	2	20	mg/kg	10.17.18 21:01	
Ethylbenzene	<0.00616	2.00	1.85	93	1.82	91	77-120	2	20	mg/kg	10.17.18 21:01	
m,p-Xylenes	<0.00682	4.00	3.72	93	3.67	92	78-120	1	20	mg/kg	10.17.18 21:01	
o-Xylene	<0.00682	2.00	1.89	95	1.86	93	78-120	2	20	mg/kg	10.17.18 21:01	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	82		85		83		68-120	%	10.17.18 21:01
a,a,a-Trifluorotoluene	82		85		84		71-121	%	10.17.18 21:01

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike
Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added
LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

QC Summary 602542

BCC, Inc.-Lubbock

Texland Petroleum

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3066878 Matrix: Soil Date Prep: 10.17.18
Parent Sample Id: 602542-001 MS Sample Id: 602542-001 S MSD Sample Id: 602542-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00820	1.81	1.61	89	1.61	84	54-120	0	25	mg/kg	10.18.18 00:16	
Toluene	<0.00425	1.81	1.62	90	1.63	85	57-120	1	25	mg/kg	10.18.18 00:16	
Ethylbenzene	<0.00559	1.81	1.66	92	1.66	86	58-131	0	25	mg/kg	10.18.18 00:16	
m,p-Xylenes	<0.00619	3.63	3.34	92	3.33	87	62-124	0	25	mg/kg	10.18.18 00:16	
o-Xylene	<0.00619	1.81	1.64	91	1.63	85	62-124	1	25	mg/kg	10.18.18 00:16	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	81		102		68-120	%	10.18.18 00:16
a,a,a-Trifluorotoluene	85		111		71-121	%	10.18.18 00:16

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3066881 Matrix: Solid Date Prep: 10.17.18
MB Sample Id: 7664455-1-BLK LCS Sample Id: 7664455-1-BKS LCSD Sample Id: 7664455-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<0.271	20.0	19.2	96	20.1	101	35-129	5	20	mg/kg	10.17.18 21:50	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	83		112		85		76-123	%	10.17.18 21:50
a,a,a-Trifluorotoluene	81		113		85		69-120	%	10.17.18 21:50

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3066881 Matrix: Soil Date Prep: 10.17.18
Parent Sample Id: 602542-001 MS Sample Id: 602542-001 S MSD Sample Id: 602542-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<0.262	19.3	16.6	86	15.5	90	35-129	7	20	mg/kg	10.18.18 01:04	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	93		112		76-123	%	10.18.18 01:04
a,a,a-Trifluorotoluene	98		115		69-120	%	10.18.18 01:04

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

CHAIN OF CUSTODY

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Revision 2016.1

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Dallas, TX (214) 902-0300 | Lubbock, TX (806) 794-1296 | San Antonio, TX (210) 509-3334 | Service Center - Baton Rouge, LA (832) 712-8143 | Service Center- Hobbs, NM (575) 392-7550

www.xenco.com

Xenco Quote # | Xenco Job # 602542

Client / Reporting Information

Company Name / Branch: BCC, Inc.
Company Address: 3302 122nd Lubbock, TX. 79424
Email: bcccorp@aol.com
Phone No: (806) 771-8033
Project Contact: Paul Porter
Samplers's Name: Paul Porter

Project Information

Project Name/Number: Texland Petroleum
Project Location: State 'A' 29 Well #7
Invoice To: BCC, Inc. P.O. Box 53427 Lubbock, TX. 79453
PO Number:

Analytical Information

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Preserved: HCl	Preserved: NaOH/Zn Acetate	Preserved: HNO3	Preserved: H2SO4	Preserved: NaOH	Preserved: NaHSO4	Preserved: MEOH	Preserved: NONE	BTEX 8021 B	DRO-ORO SW8015 B	TPH GRO 8015 Mod.	Chloride 300	Field Comments
1	Release Point	0-6"	10/16	1:00	S	1									✓	✓	✓	✓	
2	B1	48"	10/16	1:05	S	1												✓	
3	B2	48"	10/16	1:11	S	1												✓	
4	B3	48"	10/16	1:15	S	1												✓	
5	B4	36"	10/16	1:22	S	1												✓	
6	B5	36"	10/16	1:29	S	1												✓	
7	B6	36"	10/16	1:40	S	1												✓	
8	B7	36"	10/16	1:45	S	1												✓	
9	S1	24"	10/16	1:55	S	1												✓	
10	S2	18"	10/16	2:04	S	1												✓	

Matrix Codes

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

Turnaround Time (Business days)

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

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

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

Notes:

FED-EX / UPS: Tracking #

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

	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Paul Porter	10/17/18	9:09	2		2
3			3	4		4
5			5	Custody Seal #	Preserved where applicable ☐	On Ice ☐ Cooler Temp. 1.3 Thermo. Corr. Factor 2.0

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at $5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.

CHAIN OF CUSTODY

Page 2 Of 2

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www.xenco.com

Xenco Quote # | Xenco Job # 402548

Client / Reporting Information

Company Name / Branch: BCC, Inc.
Company Address: 3302 122nd Lubbock, TX. 79424
Email: bcccorp@aol.com
Phone No: (806) 771-8033
Project Contact: Paul Porter
Samplers's Name: Paul Porter

Project Information

Project Name/Number: Texland Petroleum
Project Location: State 'A' 29 Well #7
Invoice To: BCC, Inc. P.O. Box 53427 Lubbock, TX. 79453
PO Number:

Analytical Information

Chloride 300

Matrix Codes

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

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Chloride 300	Field Comments
1	S3	18"	10/16	2:10	S	1									✓	
2	S4	18"	10/16	2:15	S	1									✓	
3	S5	24"	10/16	2:20	S	1									✓	
4	S6	24"	10/16	2:27	S	1									✓	
5	S7	18"	10/16	2:45	S	1									✓	
6	S8	18"	10/16	2:50	S	1									✓	
7	S9	18"	10/16	2:54	S	1									✓	
8	S 10	24"	10/16	3:00	S	1									✓	
9																
10																

Turnaround Time (Business days)

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

TAT Starts Day received by Lab, if received by 5:00 pm

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- ☐ UST / RG -411
- ☐ Level II Report with TRRP checklist

Notes:

FED-EX / UPS: Tracking #

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

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Paul Porter	10/17/18	9:09	2		2
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
			3	4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice: ☑ Cooler Temp. 1.3 Thermo. Corr. Factor 2.0
			5		☐	

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at $5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: BCC, Inc.-Lubbock

Date/ Time Received: 10/17/2018 09:09:00 AM

Work Order #: 602542

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)?	2
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**No**
#18 Water VOC samples have zero headspace?	**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: 10/17/2018

Checklist reviewed by: Brandi Ritcherson Date: 10/18/2018