



March 21, 2017

Attn: Travis Flemmons
Marshall & Winston

Dear Sir,

As we have been digging out the contaminated dirt from the Loco Dinero 36 state 2 H spill, we have hauled out 2000 yards of material from certain areas that are now testing good and we now have about 4000 yards of contaminated rock and dirt ready to haul out from more areas. These areas that have been dug out and stockpiled are now down to the hard shelf and it is a solid birds eye caliche cap. We are at our mechanical limits on the equipment we have on site and for us to dig deeper we would have to drill and blast to remove all birds eye caliche cap. Some areas we are dealing with have a high pressure gas line which runs thru it and it is dangerous to hammer next to it due to the hammer slipping and hitting line causing a leak or worse an explosion . We have dug down 5 foot and 10 foot in certain areas to test and it has come out clean both times but it took 4 days of hammering and digging for these 4 areas and up to now we have excavated 92,800 sq feet.

If you have any questions please call me at 575-631-7614

Thank you,

Martin Romero
GCI Contractors Inc.

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



Marshall & Winston, Inc.
Loco Dinero 36 State 2H
Produced Water Spill (Some Oil)
Affected Area – 92,310 sq. ft. / 2.12 acres
GPS Coordinates: N32.444077 W103.465883

OCD Case Number 1R-4526

NMOCD approved the delineation workplan per March 28, 2017 meeting.

- 1) NMSLO-approved revegetation plan required.
- 2) 20-mil liner over areas that have higher than 250 mg/kg chlorides.

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Lubbock, Texas 79423
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P.O. Box 53427
Lubbock, Texas 79453
Phone: 806-771-8033
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March 24, 2017

Mr. Todd Passmore
Marshall & Winston, Inc.
P.O. Box 50880
Midland, TX 79710-0880

RE: Loco Dinero 36 State 2H Release - Lea County, New Mexico (OCD Case #1R-4526)

Mr. Passmore,

The following is a summary of the corrective action measures taken to date for remediating the produced water release off of the Loco Dinero '36' State 2H line:

After meeting with the NMOCD on March 8, 2017 and receiving their directives, Marshall & Winston, Inc. representatives consulted with and directed a third party dirt contractor on March 13th in excavating and removing the affected soils that were the result of the produced water release off of the Loco Dinero '36' State 2H ruptured line. As excavation was being carried out at the release point and on the east and west pasture areas, on-site field testing was performed to verify the chloride content in the soil. Removal of the contaminated soils continued vertically until representative soil samples from the base of the excavation field tested at 250 ppm chloride or less. As requested by the OCD, split soil samples from the base of the excavation and at 10 feet below ground surface (bgs) were laboratory analyzed to confirm that the chloride content lab results were the same as the testing results we had been receiving on-site. Laboratory analysis confirmed the 250 ppm or less chloride content results (laboratory analysis attached). Field testing of the soil continued as the excavation and removal was performed to ensure the remaining soils were revealing acceptable levels. The affected areas on DCP's right-of-way were excavated by both hydrovac and by hand and the affected road areas were also excavated to the 4 inch depth that the OCD recommended on March 8th. As the excavation was continuing in the east pasture areas of this release, ongoing field testing was revealing a slightly higher chloride content result than we had previously received at midpoint. Previous field testing as well as laboratory analysis had already confirmed a <250 ppm chloride level at the 16 inch bgs depth and at the 10 foot bgs depth from a midpoint setting, however, various other base areas were now averaging 1,500 ppm chloride in the remaining soil that was available to retrieve and field test. The average depth of the soil that has been removed in this east affected pasture area is 18 inches bgs and the makeup of this 'bed' is approximately 90% rock and 10% soil. At this point in this east area, the dirt contractor is unable to penetrate the thick layer of rock that is

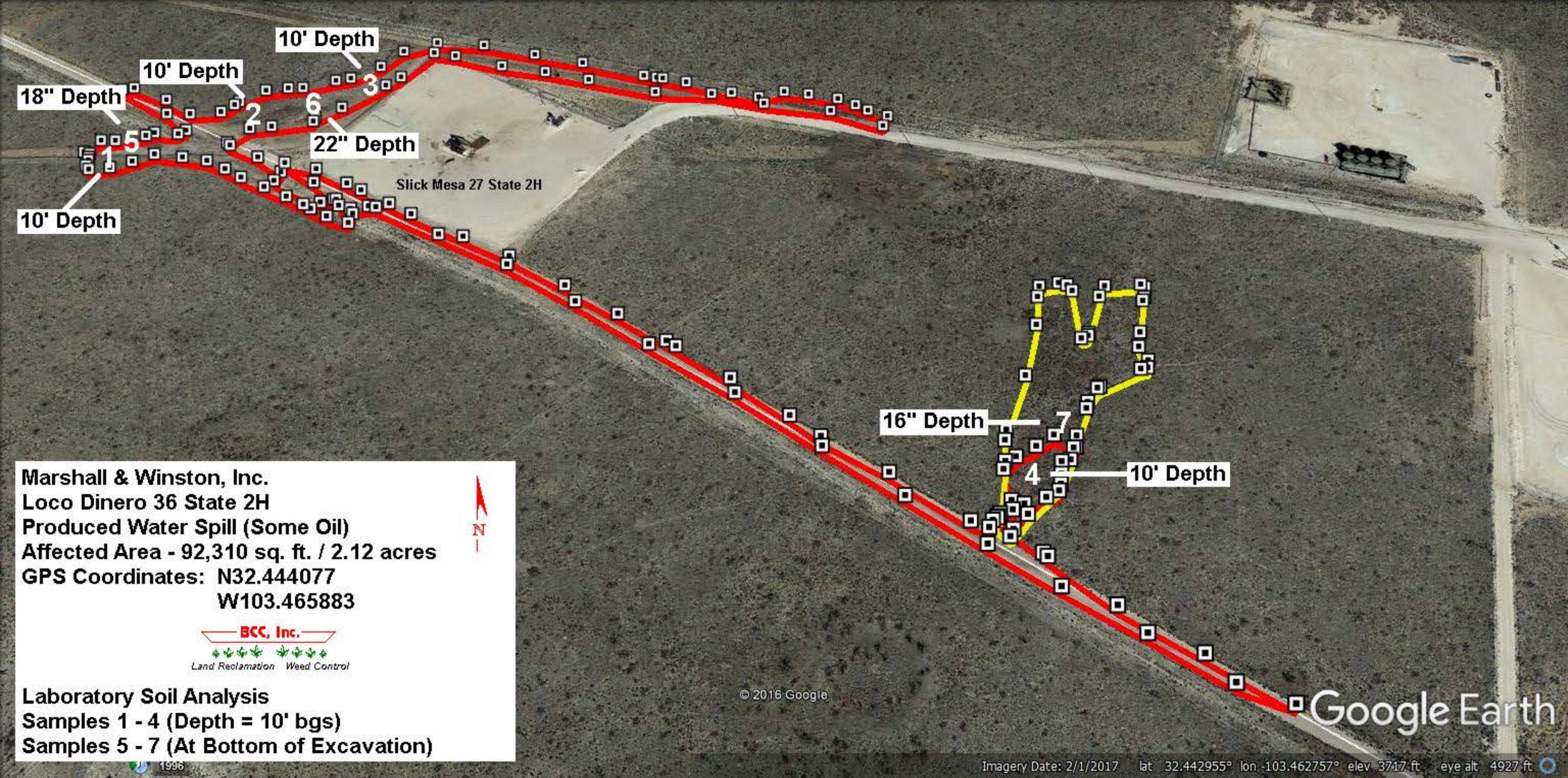
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present at this depth (photos attached). With the chloride levels already reduced from the initial average of 12,300 ppm and the fact that we believe that breaking this protective layer of rock in this east area would not be beneficial to this situation, BCC, Inc. recommends seeking the approval from the OCD to stop the excavation at this 18 inch depth and proceed with the backfilling and revegetation of this site. After your review of this summary of events, please contact me with any questions you may have.

Sincerely,

A handwritten signature in blue ink that reads "Paul Porter". The signature is stylized, with the first name "Paul" written in a cursive-like font and the last name "Porter" written in a more blocky, cursive style. The signature is positioned above the typed name and title.

Paul Porter
Vice President
BCC, Inc.



18" Depth
10' Depth
10' Depth
10' Depth

10' Depth

22" Depth

Slick Mesa 27 State 2H

16" Depth

10' Depth

Marshall & Winston, Inc.
Loco Dinero 36 State 2H
Produced Water Spill (Some Oil)
Affected Area - 92,310 sq. ft. / 2.12 acres
GPS Coordinates: N32.444077
W103.465883

BCC, Inc.
Land Reclamation Weed Control

Laboratory Soil Analysis
Samples 1 - 4 (Depth = 10' bgs)
Samples 5 - 7 (At Bottom of Excavation)

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Google Earth

Certificate of Analysis Summary 548893

BCC, Inc.-Lubbock, LUBBOCK, TX

Project Name: Marshall & Winston, Inc.

Project Id:
Contact: Paul Porter
Project Location: .Loco Dinero 36 State 2 H (NM)

Date Received in Lab: Fri Mar-17-17 12:55 pm
Report Date: 21-MAR-17
Project Manager: Liz Givens

<i>Analysis Requested</i>	<i>Lab Id:</i>	548893-001	548893-002	548893-003	548893-004	548893-005	548893-006
	<i>Field Id:</i>	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-13-17 11:00	Mar-13-17 11:30	Mar-13-17 12:00	Mar-13-17 13:00	Mar-14-17 11:30	Mar-14-17 11:45
Chloride by EPA 300	<i>Extracted:</i>	Mar-17-17 14:15					
	<i>Analyzed:</i>	Mar-20-17 14:20	Mar-20-17 15:13	Mar-20-17 15:31	Mar-20-17 15:49	Mar-20-17 16:07	Mar-20-17 16:25
	<i>Units/RL:</i>	mg/kg RL					
Chloride		43.3 25.0	173 50.0	42.9 25.0	36.4 25.0	36.6 25.0	35.0 25.0

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.

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



Brandi Ritcherson
 Project Manager

Certificate of Analysis Summary 548893

BCC, Inc.-Lubbock, LUBBOCK, TX

Project Name: Marshall & Winston, Inc.

Project Id:
Contact: Paul Porter
Project Location: .Loco Dinero 36 State 2 H (NM)

Date Received in Lab: Fri Mar-17-17 12:55 pm
Report Date: 21-MAR-17
Project Manager: Liz Givens

<i>Analysis Requested</i>	<i>Lab Id:</i>	548893-007				
	<i>Field Id:</i>	Sample 7				
	<i>Depth:</i>					
	<i>Matrix:</i>	SOIL				
	<i>Sampled:</i>	Mar-13-17 13:30				
Chloride by EPA 300	<i>Extracted:</i>	Mar-17-17 14:15				
	<i>Analyzed:</i>	Mar-20-17 16:43				
	<i>Units/RL:</i>	mg/kg RL				
Chloride		51.7 25.0				

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



Brandi Ritcherson
Project Manager

Analytical Report 548893

for
BCC, Inc.-Lubbock

Project Manager: Paul Porter
Marshall & Winston, Inc.

21-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)

21-MAR-17

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

Reference: XENCO Report No(s): **548893**
Marshall & Winston, Inc.
Project Address: .Loco Dinero 36 State 2 H (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) 548893. 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. 548893 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,



Brandi Ritcherson

Project Manager

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

Sample Cross Reference 548893

BCC, Inc.-Lubbock, LUBBOCK, TX

Marshall & Winston, Inc.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Sample 1	S	03-13-17 11:00		548893-001
Sample 2	S	03-13-17 11:30		548893-002
Sample 3	S	03-13-17 12:00		548893-003
Sample 4	S	03-13-17 13:00		548893-004
Sample 5	S	03-14-17 11:30		548893-005
Sample 6	S	03-14-17 11:45		548893-006
Sample 7	S	03-13-17 13:30		548893-007

*Client Name: BCC, Inc.-Lubbock**Project Name: Marshall & Winston, Inc.*

Project ID:

Work Order Number(s): 548893

Report Date: 21-MAR-17

Date Received: 03/17/2017

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 548893

BCC, Inc.-Lubbock, LUBBOCK, TX

Marshall & Winston, Inc.

Sample Id: **Sample 1**
 Lab Sample Id: 548893-001

Matrix: Soil
 Date Collected: 03.13.17 11.00

Date Received: 03.17.17 12.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: RNL

% Moisture: 0

Analyst: RNL

Date Prep: 03.17.17 14.15

Basis: Dry Weight

Seq Number: 3012820

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	43.3	25.0	mg/kg	03.20.17 14.20		1

Certificate of Analytical Results 548893

BCC, Inc.-Lubbock, LUBBOCK, TX

Marshall & Winston, Inc.

Sample Id: **Sample 2**
 Lab Sample Id: 548893-002

Matrix: Soil
 Date Collected: 03.13.17 11.30

Date Received: 03.17.17 12.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: RNL

% Moisture: 0

Analyst: RNL

Date Prep: 03.17.17 14.15

Basis: Dry Weight

Seq Number: 3012820

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	173	50.0	mg/kg	03.20.17 15.13		2

Certificate of Analytical Results 548893

BCC, Inc.-Lubbock, LUBBOCK, TX

Marshall & Winston, Inc.

Sample Id: **Sample 3**
 Lab Sample Id: 548893-003

Matrix: Soil
 Date Collected: 03.13.17 12.00

Date Received: 03.17.17 12.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: RNL

% Moisture: 0

Analyst: RNL

Date Prep: 03.17.17 14.15

Basis: Dry Weight

Seq Number: 3012820

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	42.9	25.0	mg/kg	03.20.17 15.31		1

Certificate of Analytical Results 548893

BCC, Inc.-Lubbock, LUBBOCK, TX

Marshall & Winston, Inc.

Sample Id: **Sample 4**
 Lab Sample Id: 548893-004

Matrix: Soil
 Date Collected: 03.13.17 13.00

Date Received: 03.17.17 12.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: RNL

% Moisture: 0

Analyst: RNL

Date Prep: 03.17.17 14.15

Basis: Dry Weight

Seq Number: 3012820

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	36.4	25.0	mg/kg	03.20.17 15.49		1

Certificate of Analytical Results 548893

BCC, Inc.-Lubbock, LUBBOCK, TX

Marshall & Winston, Inc.

Sample Id: **Sample 5**
 Lab Sample Id: 548893-005

Matrix: Soil
 Date Collected: 03.14.17 11.30

Date Received: 03.17.17 12.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: RNL

% Moisture: 0

Analyst: RNL

Date Prep: 03.17.17 14.15

Basis: Dry Weight

Seq Number: 3012820

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	36.6	25.0	mg/kg	03.20.17 16.07		1

Certificate of Analytical Results 548893

BCC, Inc.-Lubbock, LUBBOCK, TX

Marshall & Winston, Inc.

Sample Id: **Sample 6**
 Lab Sample Id: 548893-006

Matrix: Soil
 Date Collected: 03.14.17 11.45

Date Received: 03.17.17 12.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: RNL

% Moisture: 0

Analyst: RNL

Date Prep: 03.17.17 14.15

Basis: Dry Weight

Seq Number: 3012820

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	35.0	25.0	mg/kg	03.20.17 16.25		1

Certificate of Analytical Results 548893

BCC, Inc.-Lubbock, LUBBOCK, TX

Marshall & Winston, Inc.

Sample Id: **Sample 7**

Matrix: Soil

Date Received: 03.17.17 12.55

Lab Sample Id: 548893-007

Date Collected: 03.13.17 13.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: RNL

% Moisture: 0

Analyst: RNL

Date Prep: 03.17.17 14.15

Basis: Dry Weight

Seq Number: 3012820

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	51.7	25.0	mg/kg	03.20.17 16.43		1

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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

BCC, Inc.-Lubbock
Marshall & Winston, Inc.

Analytical Method: Chloride by EPA 300

Seq Number: 3012820

MB Sample Id: 721805-1-BLK

Matrix: Solid

LCS Sample Id: 721805-1-BKS

Prep Method: E300P

Date Prep: 03.17.17

LCSD Sample Id: 721805-1-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	240	96	243	97	90-110	1	20	mg/kg	03.20.17 13:44	

Analytical Method: Chloride by EPA 300

Seq Number: 3012820

Parent Sample Id: 548893-001

Matrix: Soil

MS Sample Id: 548893-001 S

Prep Method: E300P

Date Prep: 03.17.17

MSD Sample Id: 548893-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	43.3	250	264	88	294	100	80-120	11	20	mg/kg	03.20.17 14:38	

Trace Analysis, Inc.

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

email: lab@traceanalysis.com

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: **P.O. Box 53427 Lubbock, TX 79453**
 Project #: **Marshall & Winston, Inc.**
 Project Location (including state): **Loco Dinero 36 State 2H (NM)**
 Sampler Signature: *Paul Porter*

ANALYSIS REQUEST (Circle or Specify Method No.)

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		

LAB #	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD				DATE	TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄			NaOH
001	Sample 1	1		✓							✓	3/18/11:00	
002	2	1		✓							✓	3/18 11:30	
003	3	1		✓							✓	3/13 12:00	
004	4	1		✓							✓	3/13 1:00	
005	5	1		✓							✓	3/14 11:30	
006	6	1		✓							✓	3/14 11:45	
007	7	1		✓							✓	3/13 1:30	

Relinquished by: *Paul Porter* Company: **BCC, Inc.** Date: **3-17-17** Time: **12:55**
 Received by: _____ Company: _____ Date: _____ Time: _____
 INST OBS COR INST OBS COR INST OBS COR INST OBS COR
 INST OBS COR INST OBS COR INST OBS COR INST OBS COR

REMARKS: LAB USE ONLY
 Inlet / N
 Headspace Y / N / NA / NA
 Log-in-Review

Dry Weight Basis Required
 TRRP Report Required
 Check if Special Reporting Limits Are Needed

Carrier # *Cargill*



Client: BCC, Inc.-Lubbock

Date/ Time Received: 03/17/2017 12:55:00 PM

Work Order #: 548893

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-3

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3.8
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seal present on shipping container/ cooler?	N/A
#5 *Custody Seals intact on shipping container/ cooler?	N/A
#6 Custody Seals intact on sample bottles?	N/A
#7 *Custody Seals Signed and dated?	N/A
#8 *Chain of Custody present?	Yes
#9 Sample instructions complete on Chain of Custody?	Yes
#10 Any missing/extra samples?	No
#11 Chain of Custody signed when relinquished/ received?	Yes
#12 Chain of Custody agrees with sample label(s)?	Yes
#13 Container label(s) legible and intact?	Yes
#14 Sample matrix/ properties agree with Chain of Custody?	Yes
#15 Samples in proper container/ bottle?	Yes
#16 Samples properly preserved?	Yes
#17 Sample container(s) intact?	Yes
#18 Sufficient sample amount for indicated test(s)?	Yes
#19 All samples received within hold time?	Yes
#20 Subcontract of sample(s)?	No
#21 VOC samples have zero headspace?	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:

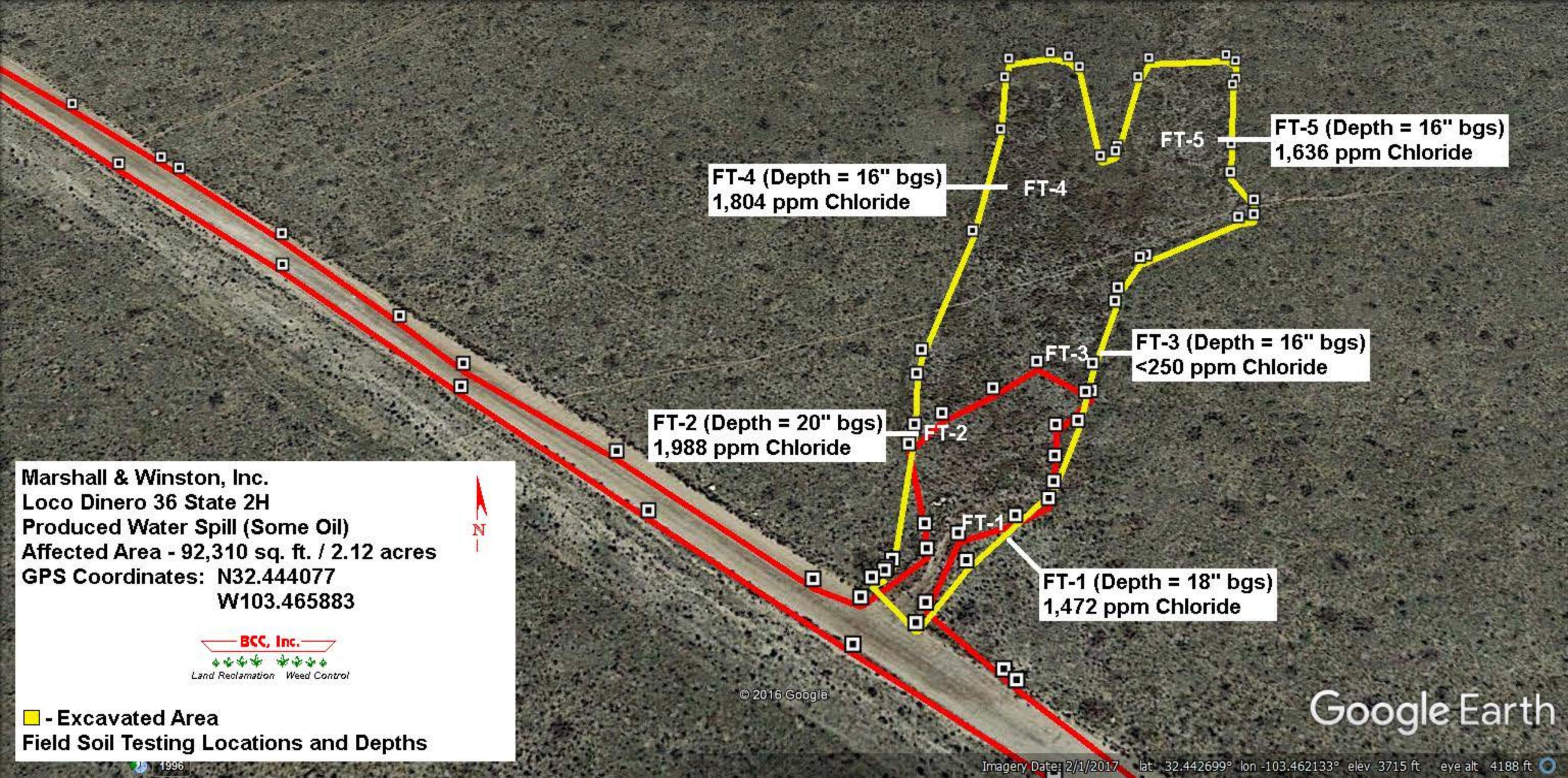
Brenda Ward
Brenda Ward

Date: 03/17/2017

Checklist reviewed by:

Holly Taylor
Holly Taylor

Date: 03/17/2017



FT-5 (Depth = 16" bgs)
1,636 ppm Chloride

FT-4 (Depth = 16" bgs)
1,804 ppm Chloride

FT-3 (Depth = 16" bgs)
<250 ppm Chloride

FT-2 (Depth = 20" bgs)
1,988 ppm Chloride

FT-1 (Depth = 18" bgs)
1,472 ppm Chloride

Marshall & Winston, Inc.
Loco Dinero 36 State 2H
Produced Water Spill (Some Oil)
Affected Area - 92,310 sq. ft. / 2.12 acres
GPS Coordinates: N32.444077
W103.465883



■ - Excavated Area
Field Soil Testing Locations and Depths

Google Earth



03 23 2017



08/23/2017



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