



PO Box 301 | Lovington, NM 88260 | Phone 575.396.2378

September 5, 2017

Attn: Mike Bratcher

New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau – District 2
811 S. First St.
Artesia, NM 88210

**RE: Termination Request Report
XTO Energy Inc. – Hasta La Vista 1 DI Federal Com 001 H
UL/B sec. 5 T20S R31E
UL/0 sec. 32 T19S R31E
API No. 30-015-42533
2RP-3725**

Mr. Bratcher:

XTO Energy Inc. (XTO) has retained Basin Environmental Service Technologies (Basin) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately twenty-four (24) miles northeast of Carlsbad, New Mexico at Unit Letter B of Section 5 in Township 20 South of Range 31 East and Unit Letter O of Section 32 in Township 19 South of Range 31 E. The longitude of the flare is 32.609315 and the latitude is -103.890512. This site is located in an area where groundwater can be anticipated to found at a depth of approximately one-hundred forty (140) feet below ground surface (bgs).

On May 26th, 2016, XTO discovered a release of approximately nine (9) barrels (bbls) of crude oil from an exit flare. None of the product was recovered. The release impacted an estimated thirty-four thousand six-hundred (34,600) square feet (ft²) of pasture. The New Mexico Oil Conservation Division (NMOCD) was notified of the release on June 8th, 2016, and an initial Release Notification and Corrective Action form (C-141) was submitted to NMOCD June 8th, 2016, for approval (Appendix A).

Micro-Blaze® was applied to the impacted area on May 27th, 2016. Initial surface soil samples were retrieved on January 20th, 2017 and delivered to NMOCD approved commercial laboratory for concentration analysis of chloride and total petroleum hydrocarbons (TPH). The analytical report indicated that the impacted area was below the NMOCD recommended remediation action levels (RRAL) for TPH and chloride concentrations.

Basin personnel were on site July 18th, 2017, to sample affected area. A surface and one-foot bgs sample were retrieved in the area most highly impacted from the release. The samples were delivered to an approved NMOCD commercial laboratory for confirmatory analysis. The analytical report details the concentration of chloride, Benzene, Toluene, Ethyl-benzene, Xylenes (BTEX) and TPH were well below the NMOCD RRAL.

Samples from the XTO, Hasta La Vista 1 DI Federal Com 001 H release site were analyzed by an NMOCD approved laboratory, and concentrations of chloride, BTEX, and TPH were below the RRAL established for the site (Appendix B). XTO via Basin requests site closure to the Hasta La Vista 1 DI Federal Com 001 H release site.

Photo documentation of the release can be found in Appendix C.

Basin appreciates the opportunity to work with you on this project. Please contact me if you have any questions or wish to discuss the site.

Sincerely,



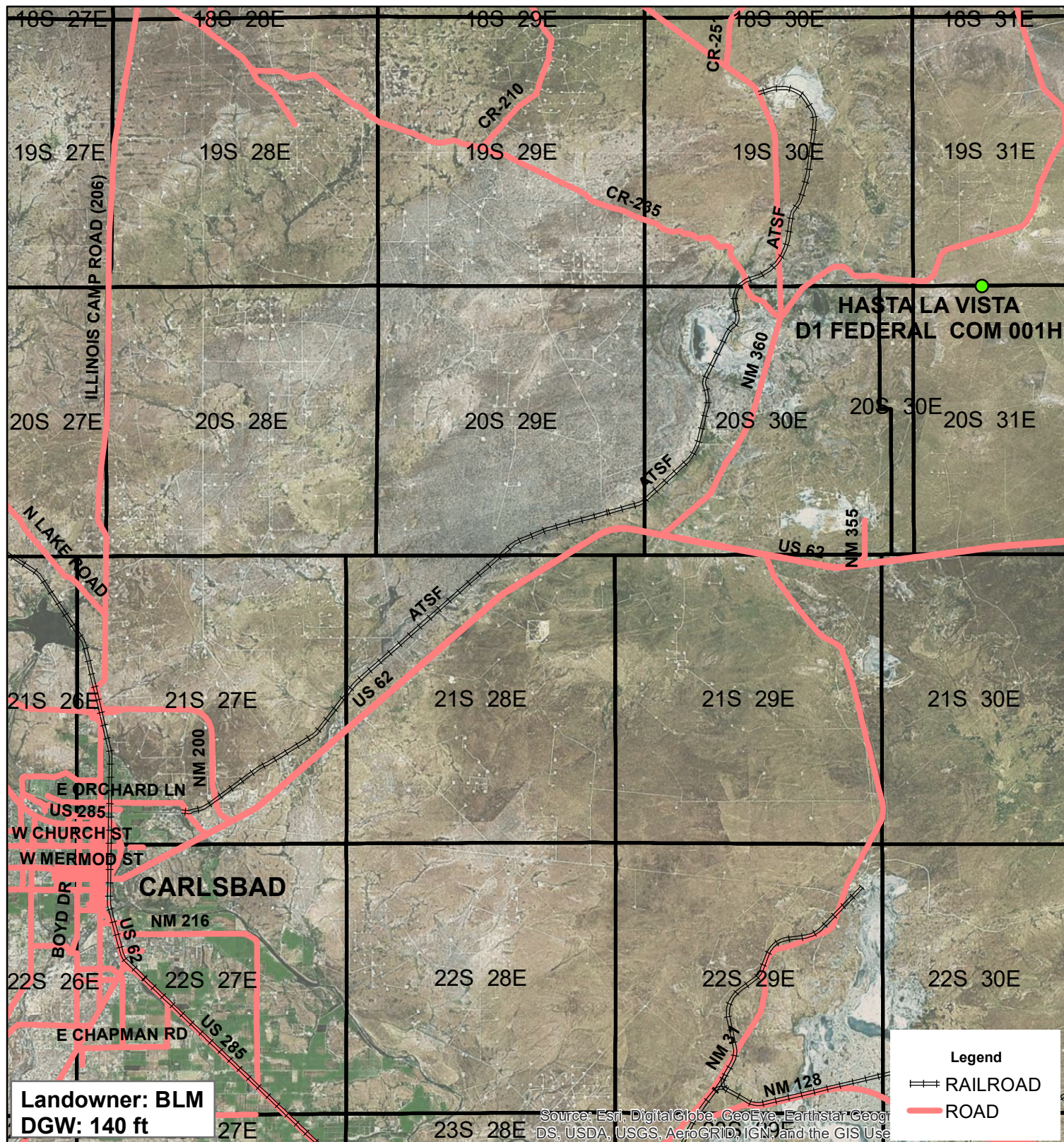
Robbie Runnels
Project Manager
Basin Environmental Service Technologies
(575) 393-2967

Attachments:

- Figure 1 – Site Location Map
- Figure 2 - Initial sampling Data
- Appendix A – Initial C-141
- Appendix B – Laboratory Analysis
- Appendix C – Photo Documentation

FIGURES

Geographic Location



Landowner: BLM
DGW: 140 ft



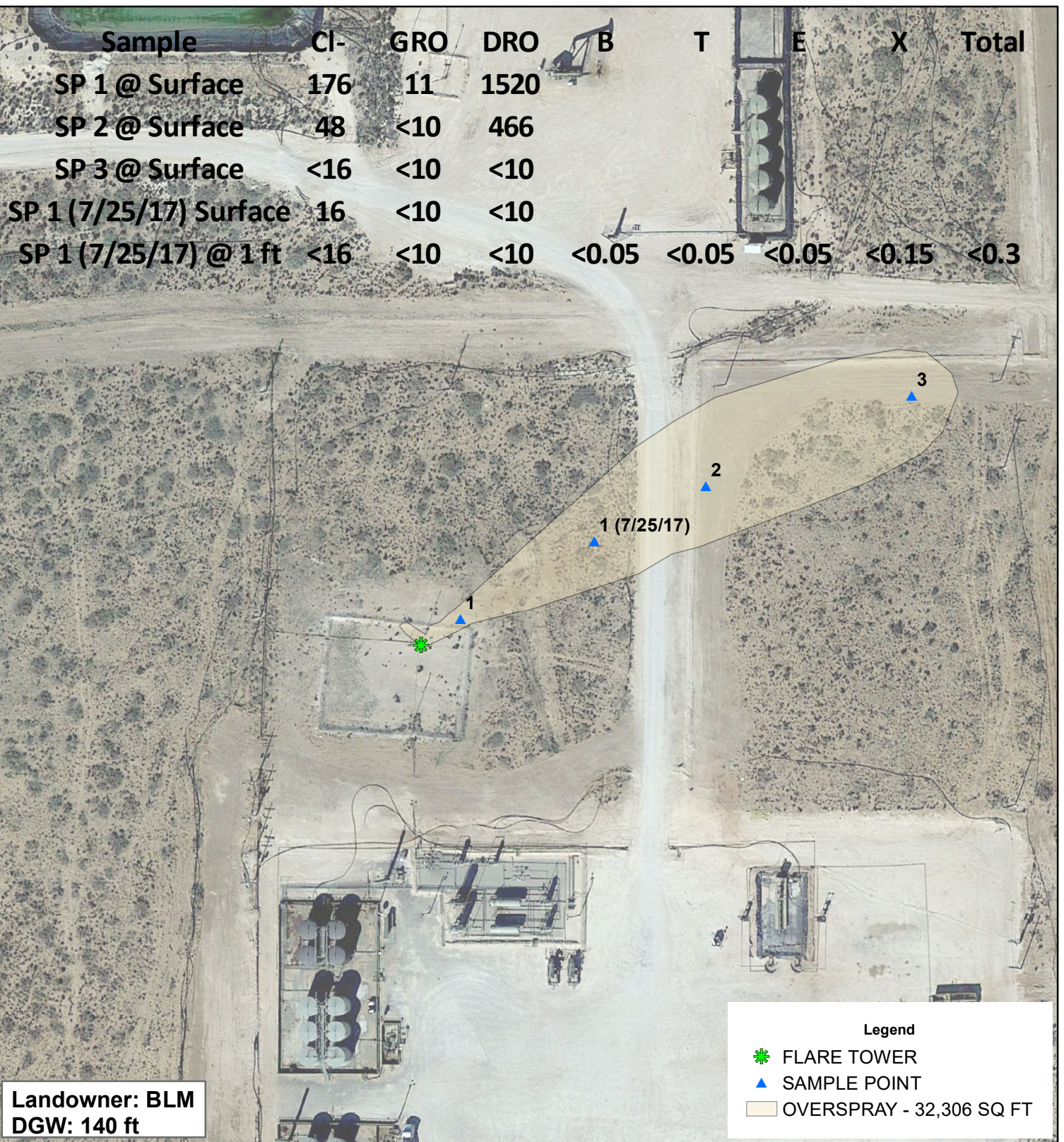
XTO
HASTA LA VISTA
D1 FEDERAL COM 001H

UL B SECTION 5
T-20-S R-31-E
UL O SECTION 32
T-19-S R-31-E
EDDY COUNTY, NM

GPS: 32.609315 -103.890503



Initial Sampling



XTO
HASTA LA VISTA
D1 FEDERAL COM 001H

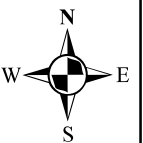
UL B SECTION 5
T-20-S R-31-E
UL O SECTION 32
T-19-S R-31-E
EDDY COUNTY, NM

**Underground facilities are
spatially projected
and need to be field verified.**

GPS: 32.609315 -103.890503

0 50 100
Feet

Drawing date: 9/7/17
Drafted by: T. Grieco



APPENDICES

APPENDIX –A

C-141

NM OIL CONSERVATION

ARTESIA DISTRICT

JUN 07 2016

Form C-141
Revised August 8, 2011

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

Submitted to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR ☒ Initial Report ☐ Final Report

Name of Company: BOPCO, L.P. **Contact:** Amy Ruth

Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 **Telephone No.:** 575-887-7329

Facility Name: Hasta La Vista 1 DI Federal Com 001H **Facility Type:** Exploration and Production

Surface Owner: Federal **Mineral Owner:** Federal **API No.:** 30-015-42533

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	5	20S	31E	100	North	2330	East	Eddy

Latitude 32.609315° Longitude -103.890512°

NATURE OF RELEASE

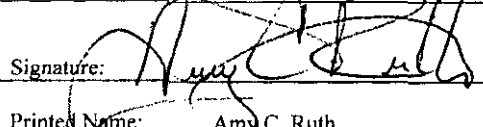

Type of Release	Crude Oil	Volume of Release	9 bbls	Volume Recovered	0 bbls
Source of Release	Flare	Date and Hour of Occurrence	5/26/2016 time unknown	Date and Hour of Discovery	5/26/2016 10:15 am
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	N/A		
By Whom?	N/A	Date and Hour	N/A		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	N/A		

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Flare scrubber loaded up causing fluid to exit flare.

Describe Area Affected and Cleanup Action Taken.*
Leak affected 34,600 sq. ft. of pasture to the east of the flare due to high winds. Area was washed down with microblaze on morning of 5/27/2016.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Amy C. Ruth	Signed By:  Approved by Environmental Specialist:	
Title: EHS Remediation Specialist	Approval Date: 6/8/16	Expiration Date: N/A
E-mail Address: ACRuth@basspet.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines <input type="checkbox"/> Attached <input type="checkbox"/>	
Date: 6/7/2016 Phone: 432-661-0571	SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 7/9/16 2RP-3725	

* Attach Additional Sheets If Necessary

APPENDIX – B

Analytical Reports



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 30, 2017

AMY RUTH

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: HASTA LA VISTA 1 D 1 FEDERAL COM #001H

Enclosed are the results of analyses for samples received by the laboratory on 01/24/17 13:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Bass Enterprises
AMY RUTH
522 W. Mermod #709
Carlsbad NM, 88220
Fax To: (505) 887-7473

Received:	01/24/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 D 1 FEDERAL COM #1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H700164-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/27/2017	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.0	10.0	01/26/2017	ND	178	88.8	200	10.5	
DRO >C10-C28	1520	10.0	01/26/2017	ND	192	96.0	200	9.72	

Surrogate: 1-Chlorooctane 75.7 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

Sample ID: SP 2 @ SURFACE (H700164-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/27/2017	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/26/2017	ND	178	88.8	200	10.5	
DRO >C10-C28	466	10.0	01/26/2017	ND	192	96.0	200	9.72	

Surrogate: 1-Chlorooctane 83.5 % 35-147

Surrogate: 1-Chlorooctadecane 111 % 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Bass Enterprises
AMY RUTH
522 W. Mermod #709
Carlsbad NM, 88220
Fax To: (505) 887-7473

Received:	01/24/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	HASTA LA VISTA 1 D 1 FEDERAL COM #1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H700164-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/27/2017	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/26/2017	ND	178	88.8	200	10.5	
DRO >C10-C28	<10.0	10.0	01/26/2017	ND	192	96.0	200	9.72	
Surrogate: 1-Chlorooctane	71.2 %	35-147							
Surrogate: 1-Chlorooctadecane	74.5 %	28-171							

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Page 5 of 5

ANALYSIS REQUEST

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 02, 2017

ROBBIE RUNNELS

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: HASTA LA VISTA 001

Enclosed are the results of analyses for samples received by the laboratory on 07/25/17 16:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
ROBBIE RUNNELS
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 07/25/2017
Reported: 08/02/2017
Project Name: HASTA LA VISTA 001
Project Number: NONE GIVEN
Project Location: XTO ENERGY - EDDY

Sampling Date: 07/18/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: FLAIR STAIN @ SURFACE (H701943-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/26/2017	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/27/2017	ND	185	92.7	200	14.6	
DRO >C10-C28	<10.0	10.0	07/27/2017	ND	198	99.2	200	15.0	
Surrogate: 1-Chlorooctane		103 %	28.3-164						
Surrogate: 1-Chlorooctadecane		106 %	34.7-157						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
ROBBIE RUNNELS
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 07/25/2017
Reported: 08/02/2017
Project Name: HASTA LA VISTA 001
Project Number: NONE GIVEN
Project Location: XTO ENERGY - EDDY

Sampling Date: 07/18/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: FLAIR STAIN @ 1' (H701943-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2017	ND	2.06	103	2.00	0.728	
Toluene*	<0.050	0.050	07/31/2017	ND	1.90	95.2	2.00	2.14	
Ethylbenzene*	<0.050	0.050	07/31/2017	ND	1.99	99.6	2.00	0.790	
Total Xylenes*	<0.150	0.150	07/31/2017	ND	6.01	100	6.00	1.04	
Total BTX	<0.300	0.300	07/31/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/26/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/27/2017	ND	185	92.7	200	14.6	
DRO >C10-C28	<10.0	10.0	07/27/2017	ND	198	99.2	200	15.0	

Surrogate: 1-Chlorooctane 97.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 101 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

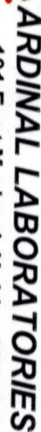
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

APPENDIX – C

Photo Documentation

Hasta La Vista 1 DI Fed Com 001H

Unit Letter B, Section 5, T20S, R31E



Flare release

5/26/16



Flare release

5/26/16



Flare release

5/26/16



Aerial view of flare release

5/26/16