

Basin Environmental Service Technologies, LLC

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P. O. Box 301
Lovington, New Mexico 88260

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REMEDIATION SUMMARY & SITE CLOSURE REQUEST

**BOPCO, LP
Fenton 7, Federal #1
Eddy County, New Mexico
Unit Letter "E", Section 6, Township 21 South, Range 28 East
Latitude 32.49660° North, Longitude -104.13235° West**

Prepared For:

BOPCO, LP
522 W. Mermod
Suite 704
Carlsbad, New Mexico 88220

Prepared By:

Basin Environmental Service Technologies, LLC
3100 Plains Highway
Lovington, New Mexico 88260

March 2016

Robbie Runnels
Project Manager

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1.0 INTRODUCTION AND BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of BOPCO, LP (BOPCO), has prepared this *Remediation Summary & Site Closure Request* for the release site known as Fenton 7, Federal Battery #1. The legal description of the release site is Unit Letter "E", Section 6, Township 21 South, Range 28 East, in Eddy County, New Mexico. The geographic coordinates of the release site are 32.49660° North latitude and -104.13235° West longitude. The site is located approximately 6.5 miles northeast of Carlsbad, New Mexico in Eddy County, New Mexico. The property affected by the release is owned by The United States Department of the Interior, Bureau of Land Management (BLM). A "Site Location Map" is provided as Figure 1.

On December 10th, 2015, BOPCO discovered a release of twenty-five (25) barrels (bbls) of crude oil and seven (7) bbls of produced water from a ruptured flow line. Approximately eight-hundred forty (840) square feet (ft²) of pasture was affected by the release as well as two-thousand sixty four (2,064) ft² of well pad. The Bureau of Land Management (BLM) and New Mexico Oil Conservation Division Artesia District Office (NMOCD) were notified of the release on December 10th, 2015, and an initial Release Notification and Corrective Action form (C-141) was submitted to NMOCD December 14th, 2015, for approval (Appendix A).

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 6, Township 21 South, Range 28 East. A depth-to-groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately one hundred ten (110) feet below ground surface (bgs). Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

A search of the NMWRRS database indicated there are no water wells within 1,000 feet of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

There are no surface water bodies within 1,000 feet of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

NMOCD guidelines indicate the Fenton 7, Federal #1 release site has an initial ranking score of zero (0) points. The soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 5,000 mg/Kg (ppm)

The New Mexico Administrative Code (NMAC) does not currently specify a remediation level for chloride concentrations in soil. Chloride remediation levels are set by the NMOCD on a site-specific basis.

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

On December 10th, 2015, BOPCO discovered a release of twenty-five (25) barrels (bbls) of crude oil and seven (7) bbls of produced water from a ruptured flow line. Approximately eight-hundred forty (840) square feet (ft²) of pasture was affected by the release as well as two-thousand sixty four (2,064) ft² of well pad. The Bureau of Land Management (BLM) and New Mexico Oil Conservation Division (NMOCD) were notified of the release on December 10th, 2015, and an initial Release Notification and Corrective Action form (C-141) was submitted to NMOCD December 14th, 2015, for approval (Appendix A).

Basin personnel were on site beginning December 21st, 2015, to begin remediation activities. The impacted area was excavated down to approximately one (1) foot bgs. Three (3) discrete floor soil samples (Floor #1, Floor #2, Floor #3) from different areas were retrieved and submitted to a certified NMOCD approved commercial laboratory for confirmatory analysis of gasoline range organics (GRO), diesel range organics (DRO), extended diesel range organics (oil range organics [ORO]) utilizing method TPH 8015M as well as benzene, toluene, ethylbenzene, and xylenes (BTEX) utilizing method BTEX 8021B.

Numerous discrete wall soil samples (SW #1, SW #2, WW #1, WW #2, WW #3, NW #1, NW #2, NW #3, EW #1, EW #2) were taken at a depth of approximately eight (8) inches and submitted to an approved NMOCD laboratory for concentration analysis of chlorides utilizing method SM4500CL-B and total petroleum hydrocarbons (TPH). Laboratory analysis confirms that the boundaries of the release were encompassed within the excavated area. Laboratory analysis shows the impacted areas of the release met the criteria necessary for closure of the release.

The excavated area was backfilled with clean, non-impacted soils and contoured to the surrounding area. The pasture area will be seeded with a BLM approved seed mix free from noxious weeds at a time when it is conducive for germination.

Soil samples collected from the BOPCO Fenton 7, Federal #1 release site were analyzed by an NMOCD approved laboratory and concentrations of TPH, BTEX, and chloride were below the recommended remediation action level (RRAL) established for the site (Appendix B). Soil exhibiting chloride and TPH concentrations above the RRAL were removed and disposed of at a BLM/NMOCD approved facility. BOPCO via Basin requests site closure to the Fenton 7, Federal #1 release site.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Cardinal Laboratories, Inc., of Hobbs, New Mexico, for BTEX, TPH, and/or chloride analysis using the methods described below:

- BTEX concentrations in accordance with EPA Method SW-846 8021b
- TPH concentrations in accordance with modified EPA Method SW-846 8015M
- Chloride concentrations in accordance with EPA Method SM 4500 Cl-B

4.2 Decontamination of Equipment

Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment was cleaned with Liqui-Nox® detergent and rinsed with distilled water.

4.3 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody form(s). These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

5.0 SITE CLOSURE REQUEST

Soil samples collected from the floor and sidewalls of the Fenton 7, Federal #1 excavation were analyzed by an NMOCD-approved laboratory, and concentrations of benzene, BTEX, TPH, and chloride were less than the recommended remediation action levels (RRAL) established for the site by the NMOCD. Based on these analytical results, Basin recommends BOPCO provide the NMOCD Artesia District Office and the BLM a copy of this *Remediation Summary & Risk-Based Site Closure Request* and request the NMOCD grant site closure to the Continental Federal Battery #1 release site.

6.0 LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & Risk-Based Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Basin has not conducted an independent examination of the facts contained in referenced materials and statements. Basin has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Basin has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

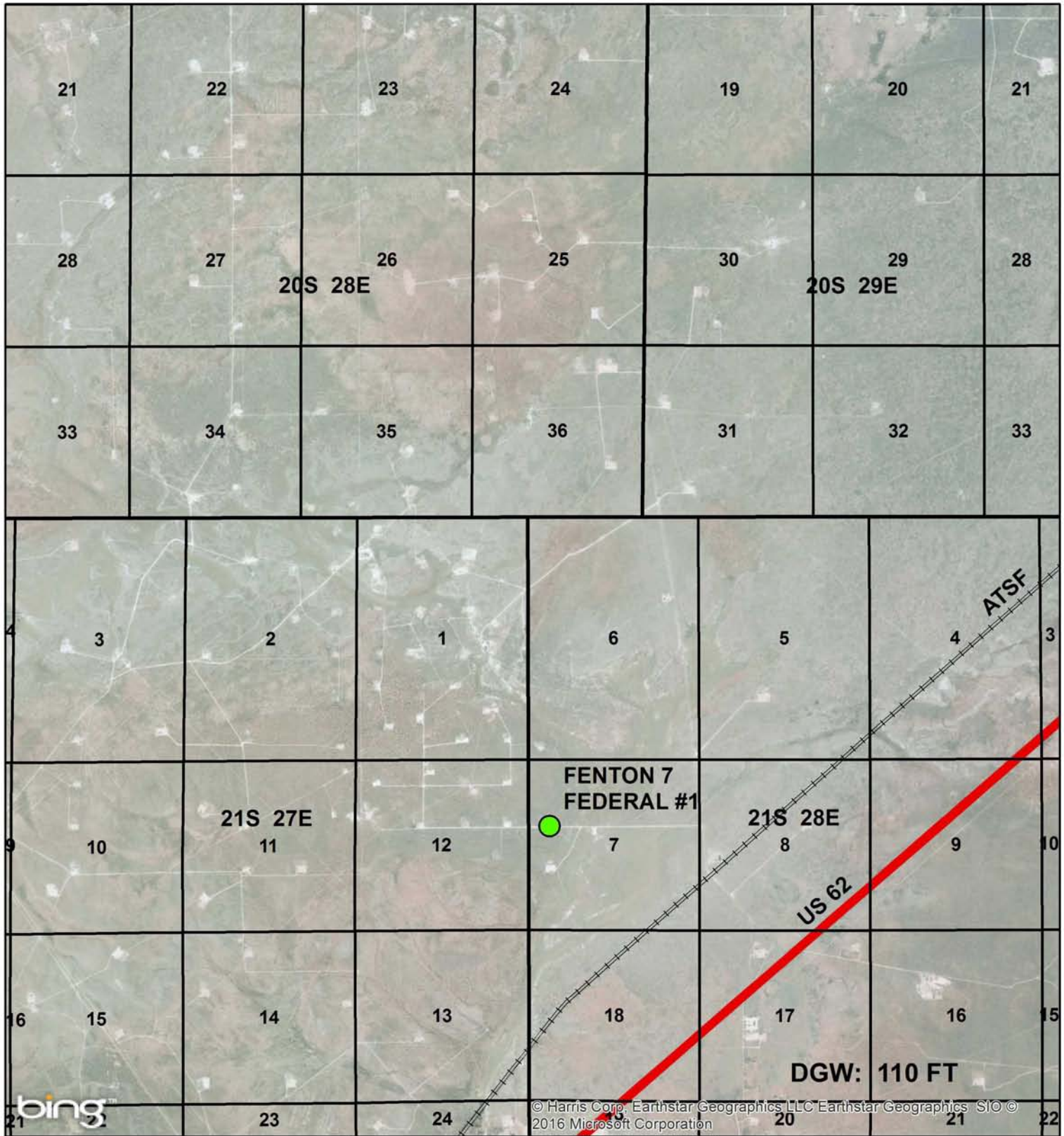
This report has been prepared for the benefit of BOPCO, LP. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or BOPCO, LP.

7.0 DISTRIBUTION:

- Copy 1: Mike Bratcher
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division (District 2)
1301 E. Grand Avenue
Artesia, New Mexico 88210
- Copy 2: James Amos
Bureau of Land Management
602 E. Greene Street
Carlsbad, New Mexico 88220
- Copy 3: Amy Ruth
BOPCO, LP
522 W. Mermod, Ste. 704
Carlsbad, New Mexico 88220
- Copy 4: Basin Environmental Service Technologies, LLC
P.O. Box 301
Lovington, New Mexico 88260

FIGURES

Site Location Map

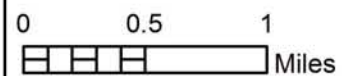


BOPCO, LP FENTON 7, FEDERAL #1

Legals: UL/E sec. 6
T-21-S R-28-E
EDDY COUNTY, NM

GPS: 32.49660, -104.13235

Figure 1



Drawing date: 3/24/16
Drafted by: B. Cooper, T. Grieco



Excavation

Sample Point	Cl-	GRO	DRO	EXT DRO	B	T	E	X	Total
SW 1	64	<10	<10	<10					
SW 2	<16								
WW 1	<16								
WW 2	544	<10	<10	<10					
WW 3	176								
NW 1	32								
NW 2	624	<10	<10	<10					
NW 3	96								
EW 1	224								
EW 2	128	<10	<10	<10					
FLOOR 1	<16	<10	45	24.9	<0.05	<0.05	<0.05	<0.15	<0.3
FLOOR 2	144	<10	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
FLOOR 3	144	<10	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3



Landowner: BLM
DGW: 110 ft

Cl- : Lab Value

Legend

- ▲ SAMPLE POINT
- STAIN - 2,900 SQ FT



BOPCO, LP
FENTON 7,
FEDERAL #1
2RP-3451

Legals: UL/E sec. 6
T-21-S R-28-E
EDDY COUNTY, NM

GPS: 32.49660, -104.13235

Figure 2

0 10 20
Feet

Drawing date: 3/24/16
Drafted by: M. Grieco



TABLES

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO
FENTON 7, FEDERAL #1
EDDY COUNTY, NEW MEXICO
NMOCD # - 2RP - 3451

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TPH C ₆ -C ₃₅ (mg/Kg)	4500 CI-B CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₅ (mg/Kg)		
SW #1	8"	12/22/2015	In-Situ	NA	NA	NA	NA	NA	<10.0	<10.0	<10.0	0	64
SW #2	8"	12/22/2015	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	0	<16.0
WW #1	8"	12/22/2015	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	0	<16.0
WW #2	8"	12/22/2015	In-Situ	NA	NA	NA	NA	NA	<10.0	<10.0	<10.0	0	544.0
WW #3	8"	12/22/2015	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	0	176.0
NW #1	8"	12/22/2015	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	0	32.0
NW #2	8"	12/22/2015	In-Situ	NA	NA	NA	NA	NA	<10.0	<10.0	<10.0	0	624.00
NW #3	8"	12/22/2015	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	0	96.0
EW #1	8"	12/22/2015	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	0	224.0
EW #2	8"	12/22/2015	In-Situ	NA	NA	NA	NA	NA	<10.0	<10.0	<10.0	0	128.0
Floor #1	1'	12/22/2015	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	45.0	24.9	70	<16.0
Floor #2	1'	12/22/2015	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	0	144.0
Floor #3	1'	12/22/2015	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	0	144.0
NMOCD Recommended Remediation Action Level				10				50				5000	1,000

NA = Not analyzed.

APPENDICES

APPENDIX A

C-141

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 August 8, 2011

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

Release Notification and Corrective Action

NAB1534957206 **OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company: BOPCO, L.P. 260737	Contact: Amy Ruth	
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 575-887-7329	
Facility Name: Fenton 7 Federal #1	Facility Type: Exploration and Production	
Surface Owner: Federal	Mineral Owner: Unknown	API No. 30-015-27973

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	7	21S	28E	1980	North	1980	West	Eddy

Latitude 32.496615° Longitude -104.132350°

NATURE OF RELEASE

Type of Release: Crude Oil and Produced Water	Volume of Release: 25 bbl oil 7 bbl pw	Volume Recovered: 20 bbl oil
Source of Release: Flare Stack	Date and Hour of Occurrence: 12/10/2015 time unknown	Date and Hour of Discovery: 12/10/2015 at 6:45 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/Heather Patterson (OCD), Jim Ames (BLM)	
By Whom? Amy Ruth	Date and Hour: 12/10/2015 at 5:17 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: N/A	

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 14 2015

RECEIVED

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


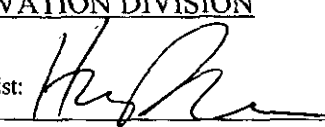
Describe Cause of Problem and Remedial Action Taken.*

Heater dump valves were found to have been closed at a unknown time over-night. Pumper re-opened the valves to direct fluids to the tanks.

Describe Area Affected and Cleanup Action Taken.*

The leak affected 840 ft² of pasture west of the tanks and 2,064 ft² of well pad. Vacuum truck recovered standing fluids and the impacted well pad area was fenced off to prevent traffic spread.

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 Ruth	Approved by Environmental Specialist: 	
Title: Remediation Specialist	Approval Date: 12/15/15	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: 12/14/2015 Phone: 432-661-0571	SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 1/16/16	

* Attach Additional Sheets If Necessary

2RP-3451

APPENDIX – B

Photo Documentation



Fenton 7 Federal #1 – Initial Release



Fenton 7 Federal #1 – Initial Release



Fenton 7 Federal #1 – Excavation



Fenton 7 Federal #1 – Excavation



Fenton 7 Federal #1 - Excavation backfilled



Fenton 7 Federal #1 – Excavation backfilled

APPENDIX – C

Analytical Reports

January 05, 2016

ROBBIE RUNNELS

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: FENTON 7 FED #1

Enclosed are the results of analyses for samples received by the laboratory on 12/30/15 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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: 12/30/2015
 Reported: 01/05/2016
 Project Name: FENTON 7 FED #1
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 12/22/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SW #1 (H503331-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/31/2015	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2015	ND	200	99.8	200	2.36	
DRO >C10-C28	<10.0	10.0	12/31/2015	ND	198	98.8	200	3.37	
EXT DRO >C28-C35	<10.0	10.0	12/31/2015	ND					
Surrogate: 1-Chlorooctane		99.3 %	35-147						
Surrogate: 1-Chlorooctadecane		101 %	28-171						

Sample ID: SW #2 (H503331-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/31/2015	ND	416	104	400	3.92		

Sample ID: WW #1 (H503331-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/31/2015	ND	416	104	400	3.92		

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: 12/30/2015
Reported: 01/05/2016
Project Name: FENTON 7 FED #1
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 12/22/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WW #2 (H503331-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	12/31/2015	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2015	ND	200	99.8	200	2.36	
DRO >C10-C28	<10.0	10.0	12/31/2015	ND	198	98.8	200	3.37	
EXT DRO >C28-C35	<10.0	10.0	12/31/2015	ND					
Surrogate: 1-Chlorooctane	103 %	35-147							
Surrogate: 1-Chlorooctadecane	103 %	28-171							

Sample ID: WW #3 (H503331-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/31/2015	ND	416	104	400	3.92		

Sample ID: NW #1 (H503331-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/31/2015	ND	416	104	400	3.92		

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:

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

Received: 12/30/2015
Reported: 01/05/2016
Project Name: FENTON 7 FED #1
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 12/22/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: NW #2 (H503331-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	12/31/2015	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2015	ND	200	99.8	200	2.36	
DRO >C10-C28	<10.0	10.0	12/31/2015	ND	198	98.8	200	3.37	
EXT DRO >C28-C35	<10.0	10.0	12/31/2015	ND					
Surrogate: 1-Chlorooctane	106 %	35-147							
Surrogate: 1-Chlorooctadecane	103 %	28-171							

Sample ID: NW #3 (H503331-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/31/2015	ND	416	104	400	3.92		

Sample ID: EW #1 (H503331-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/31/2015	ND	416	104	400	3.92	

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: 12/30/2015
Reported: 01/05/2016
Project Name: FENTON 7 FED #1
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 12/22/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: EW #2 (H503331-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/31/2015	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2015	ND	200	99.8	200	2.36	
DRO >C10-C28	<10.0	10.0	12/31/2015	ND	198	98.8	200	3.37	
EXT DRO >C28-C35	<10.0	10.0	12/31/2015	ND					
Surrogate: 1-Chlorooctane		110 %	35-147						
Surrogate: 1-Chlorooctadecane		108 %	28-171						

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

Received: 12/30/2015
Reported: 01/05/2016
Project Name: FENTON 7 FED #1
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 12/22/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: FLOOR #1 (H503331-11)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2015	ND	1.93	96.3	2.00	0.310	
Toluene*	<0.050	0.050	12/31/2015	ND	1.96	98.0	2.00	0.759	
Ethylbenzene*	<0.050	0.050	12/31/2015	ND	1.81	90.6	2.00	0.615	
Total Xylenes*	<0.150	0.150	12/31/2015	ND	5.81	96.9	6.00	0.872	
Total BTEx	<0.300	0.300	12/31/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/31/2015	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2015	ND	200	99.8	200	2.36	
DRO >C10-C28	45.0	10.0	12/31/2015	ND	198	98.8	200	3.37	
EXT DRO >C28-C35	24.9	10.0	12/31/2015	ND					

Surrogate: 1-Chlorooctane 110 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 28-171

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ROBBIE RUNNELS
P.O. Box 301
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Fax To: (575) 396-1429

Received: 12/30/2015
Reported: 01/05/2016
Project Name: FENTON 7 FED #1
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 12/22/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: FLOOR #2 (H503331-12)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2015	ND	1.93	96.3	2.00	0.310	
Toluene*	<0.050	0.050	12/31/2015	ND	1.96	98.0	2.00	0.759	
Ethylbenzene*	<0.050	0.050	12/31/2015	ND	1.81	90.6	2.00	0.615	
Total Xylenes*	<0.150	0.150	12/31/2015	ND	5.81	96.9	6.00	0.872	
Total BTEx	<0.300	0.300	12/31/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/31/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2015	ND	200	99.8	200	2.36	
DRO >C10-C28	<10.0	10.0	12/31/2015	ND	198	98.8	200	3.37	
EXT DRO >C28-C35	<10.0	10.0	12/31/2015	ND					

Surrogate: 1-Chlorooctane 108 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

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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: 12/30/2015
 Reported: 01/05/2016
 Project Name: FENTON 7 FED #1
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 12/22/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: FLOOR #3 (H503331-13)

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/31/2015	ND	1.93	96.3	2.00	0.310	
Toluene*	<0.050	0.050	12/31/2015	ND	1.96	98.0	2.00	0.759	
Ethylbenzene*	<0.050	0.050	12/31/2015	ND	1.81	90.6	2.00	0.615	
Total Xylenes*	<0.150	0.150	12/31/2015	ND	5.81	96.9	6.00	0.872	
Total BTEx	<0.300	0.300	12/31/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/31/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/31/2015	ND	200	99.8	200	2.36	
DRO >C10-C28	<10.0	10.0	12/31/2015	ND	198	98.8	200	3.37	
EXT DRO >C28-C35	<10.0	10.0	12/31/2015	ND					

Surrogate: 1-Chlorooctane 105 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

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Notes and Definitions

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

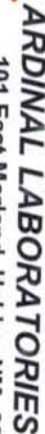
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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