



REMEDIATION WORK PLAN

Property:

**Concho Operating, LLC.
Big Papi Federal Com #002H
Eddy County, New Mexico
Unit Letter "C", Section 04, Township 26 South, Range 29 East
Latitude 32.077566, Longitude -103.986229
2RP-4141**

September 2017

Prepared for:

**Concho Operating, LLC.
600 West Illinois Avenue
Midland, TX 79701
Attn: Mrs. Rebecca Haskell**

Prepared by:

Ryan Reich
Environmental Project Manager

Jack Zimmerman, P.G., C.P.G
Senior Geologist

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Initial C-141

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WORK PLAN

**Concho Operating, LLC.
Big Papi Federal Com #002H
Eddy County, New Mexico
Unit Letter "C", Section 04, Township 26 South, Range 29 East
Latitude 32.077566, Longitude -103.986229
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September 2017

1.0 INTRODUCTION

1.1 Site Description & Background

American Safety Services Inc. (ASSI) has prepared this Work Plan for the Concho Operating, LLC. (COG) Big Papi Federal Com #002H (referred to hereinafter as the "Site" or "subject Site"). This Work Plan is based upon the interpretation of the data collected by ASSI.

The Big Papi Federal #002H is located in Unit Letter "C", Section 04, Township 26 South, Range 29 East, Eddy County, New Mexico (GPS 32.077566N, -103.986229W).

Remedial actions were conducted by ASSI in accordance with New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), Oil Conservation Division (NMOCD) rules (*NMAC 19.15.29 Release Notification*) and the NMOCD *Guidelines for Remediation of Leaks, Spills and Releases* as guidance.

1.2 Project Objective

The objective of the Work Plan is to present documentation of the activities that were performed to date and to request an effective means to remediate the Site.

1.3 Standard of Care

ASSI's services are performed in accordance with standards provided by a firm rendering the same or similar services in the area during the same time period. ASSI makes no warranties, express or implied, as to the services performed hereunder. Additionally, ASSI does not warranty the work of third parties supplying information used in the report (e.g. laboratories, regulatory agencies, or other third parties). This scope of services will be performed in accordance with the scope of work agreed with the client.

1.4 Reliance

This report has been prepared for the exclusive use of COG, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of COG and ASSI. Any unauthorized distribution or reuse is at the sole risk of COG. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal, the report, and ASSI's Agreement. The limitation of liability defined in the agreement is the aggregate limit of ASSI's liability to the client.

2.0 SITE RANKING & PROPOSED REMEDIAL ACTION GOALS

The Site is subject to regulatory oversight by the NMOCD. To address activities related to releases, the NMOCD utilizes the *Guidelines for Remediation of Leaks, Spills and Releases* as guidance, in addition to the NMOCD rules, specifically NMAC 19.15.29 *Release Notification*. These documents establish investigation and abatement action requirements for sites subject to reporting and/or corrective action.

In accordance with the NMOCD's *Guidelines for Remediation of Leaks, Spills and Releases*, ASSI utilized the general site characteristics to determine the appropriate "ranking" for the Site. The ranking criteria and associated scoring are provided in the table below:

Ranking Criteria			Ranking Score
Depth to Groundwater	<50 feet	20	0
	50 to 99 feet	10	
	>100 feet	0	
Wellhead Protection Area, <1,000 feet from a water source, or; <200 feet from private domestic water source.	Yes	20	0
	No	0	
Distance to Surface Water Body	<200 feet	20	0
	200 to 1,000 feet	10	
	>1,000 feet	0	
Total Ranking Score			0

Based on ASSI's evaluation of the scoring criteria, the Site would have a Total Ranking Score of 0. This ranking is based on the following:

- The depth to the initial groundwater-bearing zone is 100 to 150 feet at the Site.
- The impacted area is greater than 200 feet from a private domestic water source.
- Distance to the nearest surface water body is greater than 1,000 ft.

Based on a Total Ranking Score of 0, cleanup goals for soils remaining in place include: 10 milligrams per kilogram (mg/Kg) for Benzene, 50 mg/Kg for Total Benzene, Toluene,

Ethylbenzene, and Xylene (BTEX), 5,000 mg/Kg for Total Petroleum Hydrocarbons (TPH), and 600 mg/Kg for Chloride.

Figures 1 and 2 show the location of COG's Big Papi Federal Com #002H facility in Eddy County, New Mexico and surrounding topography.

3.0 INITIAL RESPONSE & ACTIVITIES

3.1 Initial Response

On July 26, 2017, ASSI personnel completed drilling and sampling activities utilizing air rotary drilling techniques at the Big Papi Federal Com #002H facility. This action was in response to a reportable release that occurred on February 28, 2017. Thirty (30) barrels (bbls) of produced water was released directly to the ground. None of the fluids were recovered. The release impacted approximately eight thousand (8,000) square feet of pasture area (Figure 3).

3.2 Drilling Activities

On July 26th ASSI and COG personnel along with Scarborough Drilling were present to collect delineation samples utilizing air rotary drilling techniques. Mr. Ryan Reich, an ASSI environmental professional, was present to document onsite activities (written and photographic).

A total of seventeen (17) samples were collected, however, only eleven (11) samples were analyzed. Six (6) samples were analyzed from Soil Bore-1 and five (5) samples were analyzed from Soil Bore-2 for BTEX, TPH, and Chloride (Table 1).

Two (2) soil borings (i.e., Soil Bore-1 and Soil Bore-2), were advanced to delineate Chloride at depth. Soil boring locations are shown on Figure 4. Discrete samples were collected from Soil Bore-1 at the following depths: 1', 3', 5', 7', 10', and 20', below ground surface (bgs). At Soil Bore-2 discrete samples were collected at the following depths: 1', 3', 5' 7' and 15' bgs. Soil was field screened for Chloride utilizing electro conductivity during drilling operations.

3.3 Soil Sampling Analytical Results

Analytical results were compared to the NMOCD *Guidelines for Remediation of Leaks, Spills and Releases* (Section VI A. Contaminated Soils) and show Chloride exceedances exist in soil above the NMOCD clean-up goals as discussed in Section 2.0 at both sample locations. However, at location Soil Bore-1 vertical delineation was achieved at a depth of nine (9) feet bgs with a Chloride concentration of 190 mg/Kg. At location Soil Bore-2 vertical delineation was achieved at a depth of seven (7) feet bgs with a Chloride concentration of 120 mg/Kg. Each location meets the NMOCD's threshold of 600 mg/Kg satisfying clean-up goal criteria.

4.0 LABORATORY ANALYTICAL METHODS

The samples were analyzed for TPH GRO/DRO utilizing EPA method SW-846 8015, BTEX using EPA method SW-846 8021B, and Chloride utilizing EPA method SW-846 300.1. Copies of the laboratory analysis are provided in Appendix D.

Soil was collected in laboratory prepared glassware, placed on ice, and packed in a cooler. The sample coolers and completed chain-of-custody forms were relinquished to Xenco Laboratories in Midland, Texas for normal turn-around time.

Figure 4 shows the approximate location of the sampling (i.e., Soil Bore) locations and dimensions of the proposed excavation area in relation to pertinent land features and general Site boundaries, which is included in Appendix A.

5.0 WORK PLAN

Based upon the data collected and the work completed by ASSI, the constituent of concern (COC) has been vertically delineated at both sample locations. Furthermore, laboratory analysis shows that TPH and BTEX concentrations are below the NMOCD clean-up goals.

Based on the analytical data presented in Table 1, COG and ASSI propose to complete a removal action of the impacted material. The area adjacent to and around Soil Bore-1 will be excavated to a depth of approximately four (4) feet bgs. The area adjacent to and around Soil Bore-2 will be excavated to a depth of approximately three (3) feet bgs (Figure 4). All material will be removed by mechanical means, be temporarily stockpiled onsite and subsequently removed (hauled away) offsite to a proper disposal facility under appropriate manifest. Prior to beginning backfilling operations, sidewall samples will be collected from each excavation in their prospective cardinal direction for Chloride only and submitted for laboratory analysis. The excavated areas will be backfilled to grade with clean imported material and the surface grade contoured to the surrounding landscape.



APPENDIX A

Figures

COG - Big Papi Fed Com #2H

Figure 1

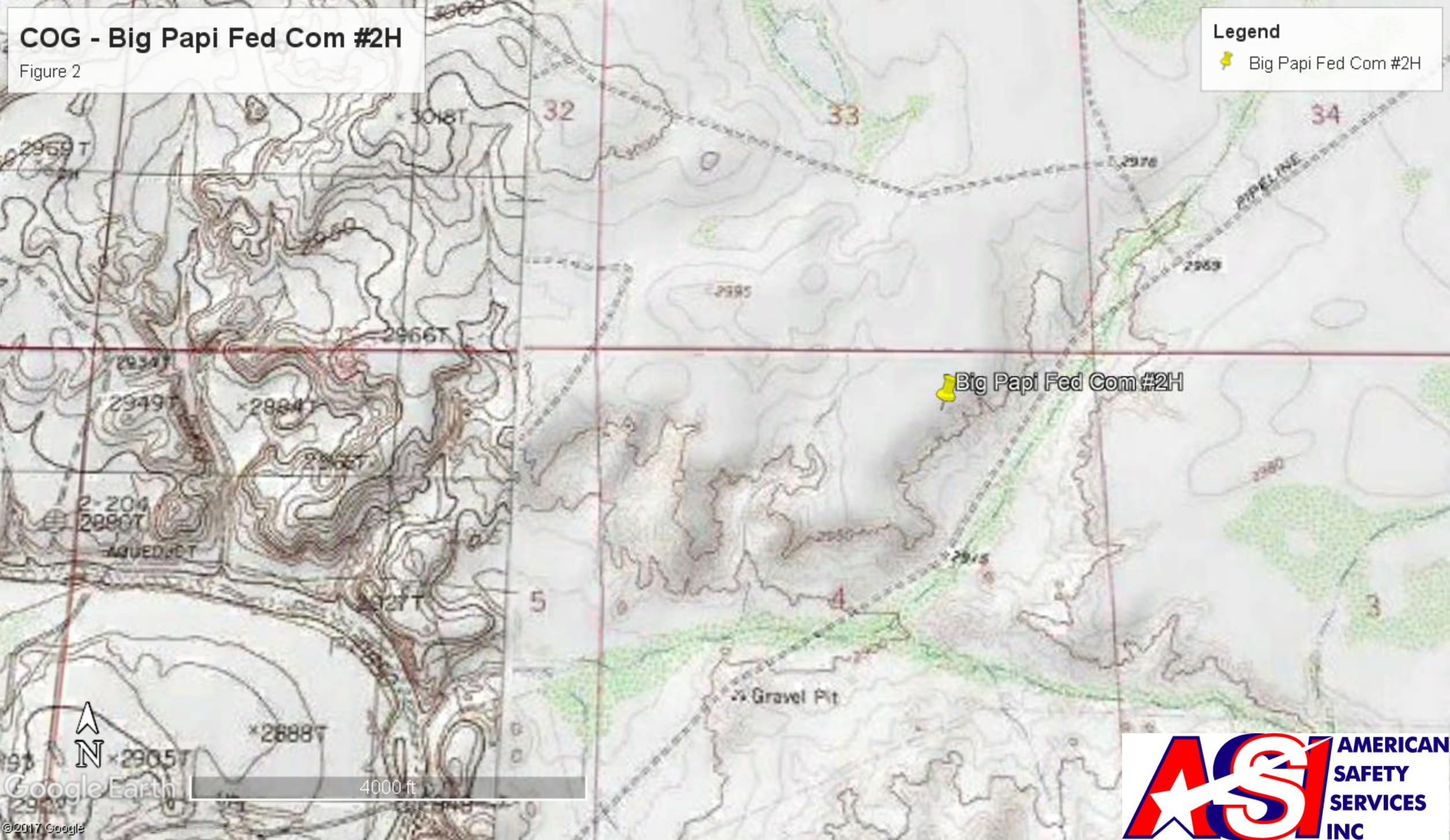


COG - Big Papi Fed Com #2H

Figure 2

Legend



 Big Papi Fed Com #2H



COG - Big Papi Fed Com #2H

Figure 3

Legend

-  Big Papi Fed Com #2H
-  Big Papi Fed Com #2H Release Footprint



 N

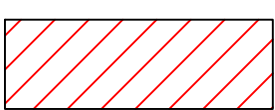
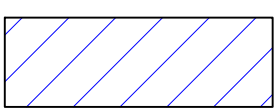

Google Earth | 700 ft



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INC**



Legend

-  — 4' Excavation
-  — 3' Excavation
-  — Sample Point

**Concho-
Big Papi Federal Com #002H**
Eddy Co, New Mexico
32.0775N, -103.9862W



American Safety Services, Inc
8715 Andrews Hwy
Odessa, TX 79765
Phone: (432) 552-7625

FIGURE 4
Proposed Excavation
Depths



APPENDIX B

Table 1

TABLE 1 Summary of Delineation Sampling Analytical Results Concentrations of Benzene, BTEX, TPH & Chloride in Soil Concho Operating, LLC Big Papi Federal Com #002H Eddy County, New Mexico NMOCD REF: 2RP-4141													
SAMPLE LOCATION	SAMPLE DEPTH (bgs)	SAMPLE DATE	SOIL STATUS	8021B					8015M				300.0
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYLBENZENE (mg/Kg)	XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	ORO (mg/Kg)	Total TPH (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD - Guidelines for Remediation of Leaks, Spills and Releases				10	NE	NE	NE	50	NE	NE	NE	5,000	600
Vertical Delineation Sampling													
Soil Bore-1	0'-1'	7/26/2017	In-Situ	<0.00200	<0.00200	<0.00200	<0.002	<0.002	<15.0	21.5	<15.0	21.5	44,500
Soil Bore-1	2'-3'	7/26/2017	In-Situ	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<15.0	27.2	<15.0	27.2	3,840
Soil Bore-1	4'-5'	7/26/2017	In-Situ	-	-	-	-	-	-	-	-	-	1,610
Soil Bore-1	6'-7'	7/26/2017	In-Situ	-	-	-	-	-	-	-	-	-	1,080
Soil Bore-1	9'-10'	7/26/2017	In-Situ	-	-	-	-	-	-	-	-	-	190
Soil Bore-1	19'-20'	7/26/2017	In-Situ	-	-	-	-	-	-	-	-	-	187
Soil Bore-2	0'-1'	7/26/2017	In-Situ	<0.00200	<0.00200	<0.00200	<0.002	<0.002	<15.0	<15.0	<15.0	<15	12,200
Soil Bore-2	2'-3'	7/26/2017	In-Situ	-	-	-	-	-	-	-	-	-	3,160
Soil Bore-2	4'-5'	7/26/2017	In-Situ	-	-	-	-	-	-	-	-	-	785
Soil Bore-2	6'-7'	7/26/2017	In-Situ	-	-	-	-	-	-	-	-	-	120
Soil Bore-2	14'-15'	7/26/2017	In-Situ	-	-	-	-	-	-	-	-	-	231

mg/Kg - milligrams per Kilogram
— = Not Established
Concentrations in **BOLD** exceed the NMOCD Guidelines

Proposed excavted area

\$'



APPENDIX C

Laboratory Analysis



Certificate of Analysis Summary 558748

American Safety Services, Odessa, TX

Project Name: Big Papi Fed #2



Project Id:

Contact: Thomas Franklin

Project Location: Eddy Co.NM

Date Received in Lab: Thu Jul-27-17 08:50 am

Report Date: 31-AUG-17

Project Manager: Brandi Ritcherson

<i>Analysis Requested</i>	<i>Lab Id:</i>	558748-001	558748-002	558748-003	558748-004	558748-005	558748-007
	<i>Field Id:</i>	Soil Bore-1	Soil Bore-1	Soil Bore-1	Soil Bore-1	Soil Bore-1	Soil Bore-1
	<i>Depth:</i>	0-1	2-3	4-5	6-7	9-10	19-20
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jul-26-17 11:25	Jul-26-17 11:30	Jul-26-17 11:35	Jul-26-17 11:40	Jul-26-17 11:45	Jul-26-17 11:55
BTEX by EPA 8021B	<i>Extracted:</i>	Jul-31-17 14:00	Jul-31-17 14:00				
	<i>Analyzed:</i>	Jul-31-17 23:10	Jul-31-17 23:29				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
Benzene		<0.00200 0.00200	<0.00201 0.00201				
Toluene		<0.00200 0.00200	<0.00201 0.00201				
Ethylbenzene		<0.00200 0.00200	<0.00201 0.00201				
m,p-Xylenes		<0.00399 0.00399	<0.00402 0.00402				
o-Xylene		<0.00200 0.00200	<0.00201 0.00201				
Total Xylenes		<0.002 0.002	<0.00201 0.00201				
Total BTEX		<0.002 0.002	<0.00201 0.00201				
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	Jul-31-17 15:22	Jul-31-17 15:22	Jul-31-17 15:22	Jul-31-17 15:22	Jul-31-17 15:22	Jul-31-17 15:22
	<i>Analyzed:</i>	Jul-31-17 15:52	Jul-31-17 16:00	Jul-31-17 16:08	Jul-31-17 16:15	Jul-31-17 15:29	Jul-31-17 16:38
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		44500 248	3840 49.6	1610 24.7	1080 24.9	190 4.98	187 4.91
TPH By SW8015 Mod	<i>Extracted:</i>	Jul-28-17 17:00	Jul-28-17 17:00				
	<i>Analyzed:</i>	Jul-29-17 06:42	Jul-29-17 07:03				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0				
Diesel Range Organics (DRO)		21.5 15.0	27.2 15.0				
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0				
Total TPH		21.5 15	27.2 15				

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.

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Brandi Ritcherson

Brandi Ritcherson
Project Manager



Certificate of Analysis Summary 558748

American Safety Services, Odessa, TX

Project Name: Big Papi Fed #2



Project Id:

Contact: Thomas Franklin

Project Location: Eddy Co.NM

Date Received in Lab: Thu Jul-27-17 08:50 am

Report Date: 31-AUG-17

Project Manager: Brandi Ritcherson

<i>Analysis Requested</i>	<i>Lab Id:</i>	558748-010	558748-011	558748-012	558748-013	558748-015	
	<i>Field Id:</i>	Soil Bore-2	Soil Bore-2	Soil Bore-2	Soil Bore-2	Soil Bore-2	
	<i>Depth:</i>	0-1	2-3	4-5	6-7	14-15	
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	Jul-26-17 12:15	Jul-26-17 12:20	Jul-26-17 12:25	Jul-26-17 12:27	Jul-26-17 12:32	
BTEX by EPA 8021B	<i>Extracted:</i>	Jul-31-17 14:00					
	<i>Analyzed:</i>	Jul-31-17 23:47					
	<i>Units/RL:</i>	mg/kg RL					
Benzene		<0.00200 0.00200					
Toluene		<0.00200 0.00200					
Ethylbenzene		<0.00200 0.00200					
m,p-Xylenes		<0.00401 0.00401					
o-Xylene		<0.00200 0.00200					
Total Xylenes		<0.002 0.002					
Total BTEX		<0.002 0.002					
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	Jul-31-17 15:22	Jul-31-17 15:22	Jul-31-17 15:22	Jul-31-17 15:22	Jul-31-17 15:22	
	<i>Analyzed:</i>	Jul-31-17 16:46	Jul-31-17 16:54	Jul-31-17 17:01	Jul-31-17 17:09	Jul-31-17 17:17	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		12200 98.2	3160 24.9	785 4.92	120 4.92	231 4.95	
TPH By SW8015 Mod	<i>Extracted:</i>	Jul-31-17 11:00					
	<i>Analyzed:</i>	Jul-31-17 13:58					
	<i>Units/RL:</i>	mg/kg RL					
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0					
Diesel Range Organics (DRO)		<15.0 15.0					
Oil Range Hydrocarbons (ORO)		<15.0 15.0					
Total TPH		<15 15					

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.

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Brandi Ritcherson
Project Manager

Analytical Report 558748

**for
American Safety Services**

Project Manager: Thomas Franklin

Big Papi Fed #2

31-AUG-17

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

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)



31-AUG-17

Project Manager: **Thomas Franklin**
American Safety Services
8715 Andrews Hwy
Odessa, TX 79765

Reference: XENCO Report No(s): **558748**
Big Papi Fed #2
Project Address: Eddy Co.NM

Thomas Franklin:

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) 558748. 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. 558748 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

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- 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 **SQL** 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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558748

Matrix Codes

Client / Reporting Information							Project Information								Analytical Information						Matrix Codes																
Company Name / Branch: American Safety Services Inc.							Project Name/Number: Bry Rep Field #2																														
Company Address: 8715 Andrews Hwy Odessa TX 79765							Project Location: Edley Co. NM																														
Email: jfranklin@americansafety.net zimmernan@americansafety.net Thomas Franklin							Phone No: 432-557-9868 -Email only								Invoice To: COG - ATTN: Becky Haskell																						
Project Contact:							PO Number:																														
Samplers Name Ryan Rios Mike Dial																																					
No.	Field ID / Point of Collection						Collection			Number of preserved bottles									Chloride (Method 300) BTEX 80213 TPH 8015 (Ext C35) Hold						on Ice												
						Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE																			
1	Soil Bore -1						B-1	7/24/17	11:25	S	1									X																	
2							A-3	7/24/17	11:30	S	1									X																	
3							U-5	7/24/17	11:35	S	1									X																	
4							U-7	7/24/17	11:40	S	1									X																	
5							Q-10	7/24/17	11:45	S	1									X																	
6							U-15	7/24/17	11:50	S	1									X																	
7							U-20	7/24/17	11:55	S	1									X																	
8							U-25	7/24/17	12:00	S	1									X																	
9							U-30	7/24/17	12:05	S	1									X																	
10	Soil Bore -2						B-1	7/24/17	12:15	S	1									X																	
Turnaround Time (Business days)							Data Deliverable Information																			Notes:											
<input type="checkbox"/> Same Day TAT							<input type="checkbox"/> 5 Day TAT							<input type="checkbox"/> Level II Std QC							<input type="checkbox"/> Level IV (Full Data Pkg / raw data)							IC TPH exceeds 5,000 mg/kg, or it Benzene exceeds 10 mg/kg or if Total BTEX exceeds 50 mu deeper samples on Hold. or if Chloride exceeds 600 mg/kg run deeper samples FED-EX / UPS: Tracking # Temp: 5.9 IR ID: R-E CF:(0-6: -0.2°C) (6-23: +0.2°C) Corrected Temp: 7									
<input type="checkbox"/> Next Day EMERGENCY							<input type="checkbox"/> 7 Day TAT							<input type="checkbox"/> Level III Std QC+ Forms							<input type="checkbox"/> TRRP Level IV																
<input type="checkbox"/> 2 Day EMERGENCY							<input checked="" type="checkbox"/> Contract TAT							<input type="checkbox"/> Level 3 (CLP Forms)							<input type="checkbox"/> UST / RG -411																
<input type="checkbox"/> 3 Day EMERGENCY														<input type="checkbox"/> TRRP Checklist																							
TAT Starts Day received by Lab, if received by 5:00 pm																								SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY													
Relinquished by Sampler:							Date Time: 7/25/17 05:50							Received By: [Signature]							Relinquished By:																
Relinquished by:							Date Time:							Received By:							Relinquished By:																
Relinquished by:							Date Time:							Received By:							Relinquished By:																
Relinquished by:							Date Time:							Received By:							Relinquished By:																
Relinquished by:							Date Time:							Received By:							Relinquished By:																

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenro. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenro will be liable only for the cost of the sample collection and analysis. The Client agrees to pay for all costs associated with the collection and analysis of samples, including but not limited to, travel, lodging, meals, transportation, and other expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenro. A minimum charge of \$75 will be applied to each project. Xenro's liability will be limited to the cost of samples. Any samples received by Xenro but not analyzed or otherwise processed by Xenro will be returned to the Client at no charge. No refund will be provided for samples that have been analyzed or otherwise processed by Xenro but not used for the intended purpose. All samples will be stored securely and confidentially until they are destroyed. Samples will be destroyed after a period of 90 days unless otherwise instructed by the Client. The Client acknowledges that it has read and understands the terms and conditions of this agreement and agrees to be bound by them.

Temp: 5.9 IR ID: R-2
CF: (0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 5.7

Setting the Standard since 1990
Stafford, Texas (281-240-4200)
Dallas Texas (214-902-0300)

San Antonio, Texas (210-509-3334)
Midland, Texas (432-704-5251)

www.xenco.com

Phoenix, Arizona (480-355-0900)

Xenco Quote #	Xenco Job #
---------------	-------------

58718

[illegible]



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: American Safety Services

Date/ Time Received: 07/27/2017 08:50:00 AM

Work Order #: 558748

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	5.7
#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

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Shawnee Smith

Date: 07/28/2017

Checklist reviewed by:

Brandi Ritcherson

Date: 07/28/2017



APPENDIX D

Initial C-141

NM OIL CONSERVATION

ARTESIA DISTRICT

MAR 07 2017

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

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

Release Notification and Corrective Action

NAB 1707232069

OPERATOR		<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Name of Company:	COG Operating LLC <i>229137</i>	Contact:	Robert McNeill
Address:	600 West Illinois Avenue, Midland TX 79701	Telephone No.	432-683-7443
Facility Name:	Big Papi Federal Com #002H	Facility Type:	Flowline
Surface Owner:	Federal	Mineral Owner:	API No. 30-015-37833

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	04	26S	29E	330	North	1980	West	Eddy

Latitude 32.077566 Longitude 103.986229

NATURE OF RELEASE

Type of Release:	Produced Water	Volume of Release:	30 bbls	Volume Recovered:	0 bbls
Source of Release:	Flowline	Date and Hour of Occurrence:	February 28, 2017 10:00 am	Date and Hour of Discovery:	February 28, 2017 10:00 am
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Ms. Weaver - NMOCD / Ms. Tucker - BLM		
By Whom?	Robert Grubbs	Date and Hour:	February 28, 2017 12:19 pm	<i>pm</i>	
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					
Describe Cause of Problem and Remedial Action Taken.*					
The release was caused by a check valve failure. The check valve was repaired.					
Describe Area Affected and Cleanup Action Taken.*					
The release was within a pasture. A vacuum truck was dispatched to remove all freestanding fluids. Concho will have the spill area sampled to delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant 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 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:	<i>Rebecca Haskell</i>				
Printed Name:	Rebecca Haskell	OIL CONSERVATION DIVISION			
Title:	Senior HSE Coordinator	Signed By <i>[Signature]</i>			
E-mail Address:	rhaskell@concho.com	Approved by Environmental Specialist:			
Date: March 7, 2017	Phone: 432-683-7443	Approval Date:	3/10/17	Expiration Date:	N/A
		Conditions of Approval:		Attached <input type="checkbox"/>	
		<i>See Attached</i>			

* Attach Additional Sheets If Necessary

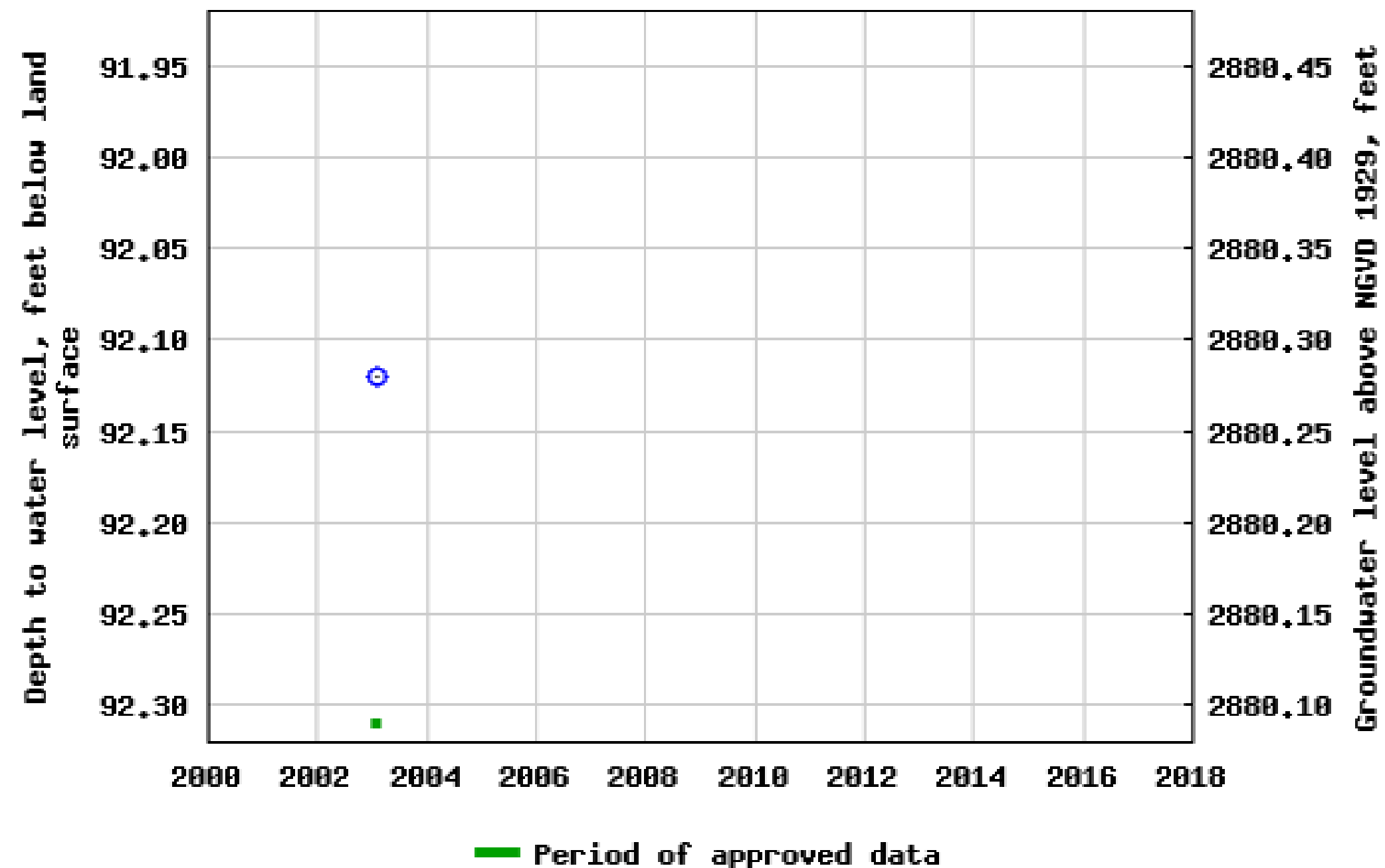
2RP-4141



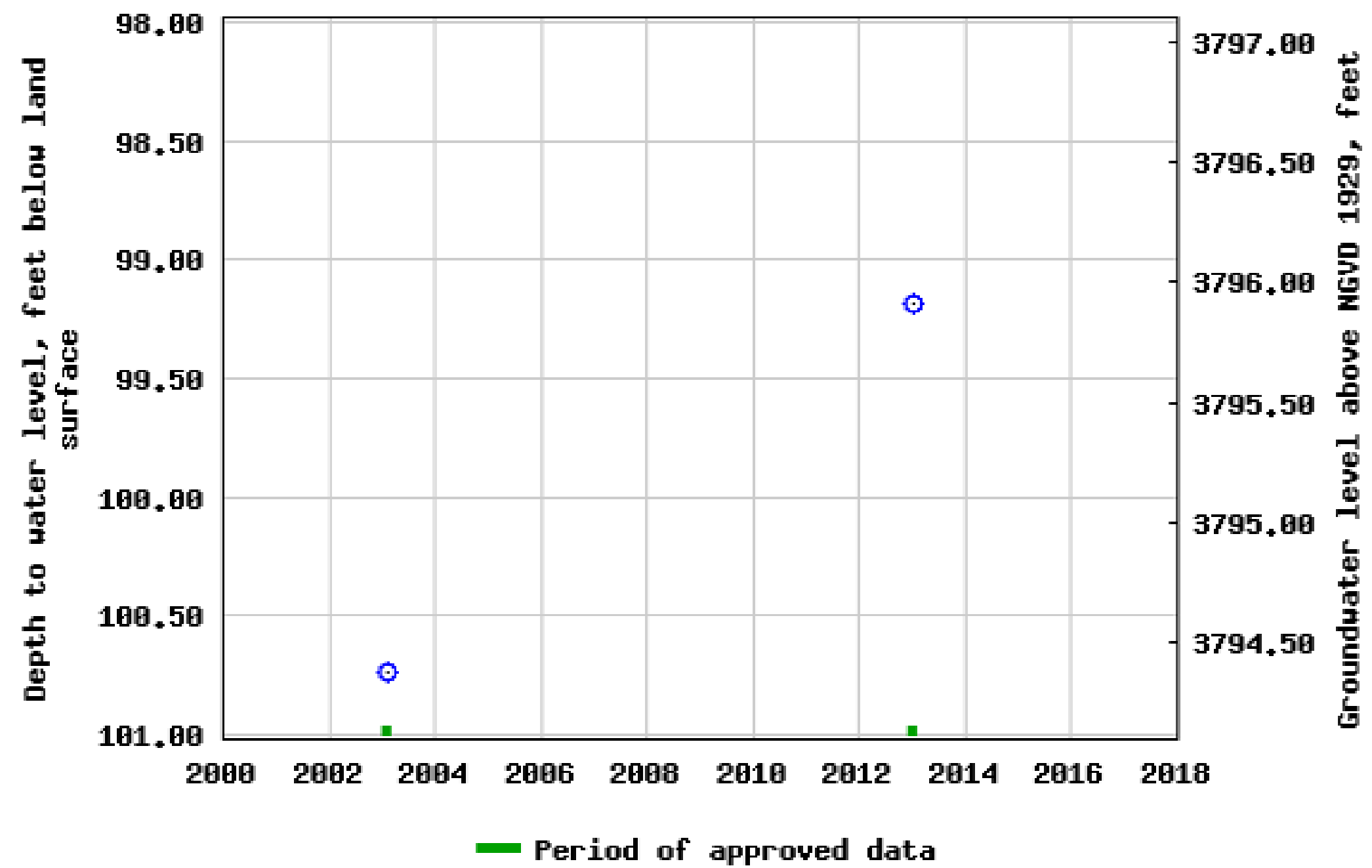
APPENDIX E

Groundwater Data

USGS 320303104012301 26S.28E.14.21412



USGS 320138104320001 26S.24E.19.43111



USGS 320309104020401 26S.28E.14.11111

