Pilot Water Solutions Permian, LLC's Work Plan for Closure of the COG Sombrero Incident

October 24, 2024

Prepared for

Pilot Water Solutions Permian, LLC
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Houston, Texas 77046
(713) 307-8702

Developed by

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Mr. Nelson Velez
Oil Conservation Division-District I
State of New Mexico-Energy Minerals and Natural Resources
1625 N. French Drive
Hobbs, New Mexico

EIS Environmental & Permitting Solutions, LLC
Work Plan for the COG Sombrero Incident
Jal, Lea County, New Mexico
Incident ID: nAPP2405746227

Dear Mr. Velez,

I am submitting this work plan for the COG Sombrero Incident as required by the New Mexico Oil Conservation Division (NMOCD) in response to the Notification of Release for incident nAPP2405746227, dated February 25, 2024.

1 Introduction

The scope of this work plan is to document the environmental sample collection objectives and the proposed technical site investigation strategies that will be utilized during the characterization of impacts associated with the release of oil and gas fluids at Pilot's COG Sombrero Site and subsequent remediation.

This work plan is produced by EIS Environmental & Permitting Solutions, LLC (EIS) to delineate potential impacted soils from a release occurring from the COG Sombrero header (Site) owned by OWL SWD Operating, LLC (OWL). OWL was purchased by Pilot Water Solutions Permian, LLC (Pilot), and change of operator paperwork is in process. Thus, the COG Sombrero header may still be recognized by regulators as an OWL facility although it is owned by Pilot and Pilot personnel manage the Site. The COG Sombrero header site is located in Section 13, Township 24S, Range 34E, approximately 15.75 miles northwest of Jal, Lea County, New Mexico.

On February 25, 2024, a pumper from ConocoPhillips contacted representatives of Pilot notifying them of a release occurring at the COG Sombrero header. In response, Pilot personnel responded immediately to the incident to stop the release. Initial reporting of the incident by onsite Pilot personnel reported the incident at 35 bbls having been released. However, after further investigation it became evident that the incident was larger than initially reported. Pilot representatives investigated the cause of the spill and found the nipple on the header had corroded and failed causing a larger amount then previously reported of produced water to leak from the header, across the pipeline right-of-way (ROW), and continue southward within a dry ephemeral drainage area for approximately 1,283 feet. EIS personnel assessed the incident on site on February 26, 2024 and mapped the horizontal perimeter of the incident based on soil saturation and staining as visible from the surface.

Cleanup efforts occurring from February 26, 2024 to March 7, 2024 included removal of soil with a hydrovac truck, specifically under the header and around the pipelines, to a depth of approximately four feet. A trackhoe and loader were utilized south of the pipeline ROW for the areas where there was no concern of line strikes to remove an initial six inches of contaminated soils across the remainder of the spill area, all the way down to the southern extent. The first 6 inches of soil were removed, and chloride test strips were utilized to help guide the initial excavation. Chloride test strips will continue to be utilized as a "real-time" indicator of chloride levels in the soil in order to further guide remediation efforts on the ground as is described further under the Scope of Work Section, below. The incident will be remediated to the point where all required constituent levels meet the closure criteria as outlined in Table 1. At that point, new soil will be tested, imported, and placed back to establish as nearly as practicable the same pre-disturbed contours and condition of the area as existed prior to the incident.

In New Mexico, the NMOCD oversees and regulates oil, gas, and geothermal activities, including enforcement and compliance with environmental regulations. Guidance for cleanup of crude oil and produced water releases is provided in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases (September 6, 2019) document. Primary contaminants, or chemicals of concern (COCs), associated with releases from this header, and requested for testing and remediation in the directive attached to the NMOCD Release Notification include benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH), and chlorides.

2 Site Assessment and Characterization

During the site assessment and characterization of the spill all concerns have been identified and mapped.

According to the NMOCD mapping tool, the lateral extent of the release is not within 300 feet of a significant watercourse. The nearest water feature as identified by the NMOCD mapping tool is identified as an OSE Stream (see Hydrology map in Attachment 3). Additionally, the release is not within 300 feet of an occupied permanent residence, school, hospital, institution, or church (visible from areal imagery in the Site Characterization Map in Attachment 1. The Site Characterization Map identifies a water feature closer to and within the release site commonly referred to as a "blue line" on the topographic map and which is further identified by the National Hydrography Dataset (NHD) as an intermittent watercourse flowline. The NHD typically identifies these water features based on the historic USGS Topographic Quadrangle maps, and this particular "blue line" on the Site Characterization Map is symbolized with a blue line followed by three dots, which is the USGS Topographic universal symbol for intermittent stream. Not only does the NMOCD online mapping tool not identify this stream (as shown in the Hydrology map), but as suggested by the USGS topography map, the stream is intermittent in nature. Further field investigation found that this water feature does not maintain a bed and bank, and as such would not meet the NMOCD's definition of a significant watercourse.

The lateral extent of the release is not within 200 feet of a lakebed, sinkhole, or playa lake, and karst potential is low (see Permian Basin Karst Areas and Hydrology maps in Attachment 3). The release is not within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes or within 1,000 feet of any spring or freshwater well (see OSE water pods and USGS Groundwater Wells map in Attachment 3).

According to the FEMA, the release is not within the 100-year floodplain (see Site Characterization Map in Atachment 1).

According to the National Wetlands Inventory online mapping tool, the release does not occur within 300 feet of a wetland (see National Wetlands Inventory Map in Attachment 3). While the National Wetlands Inventory Map does show a Riverine system in the same area as the aforementioned NHD and USGS Topographic Quadrangle map identified intermittent stream, further field investigation confirmed there was no riverine wetland in this area.

According to NMOCD mapping tool, the lateral extent of the spill is not within incorporated municipal boundaries or a defined municipal fresh water well and is not on an exploration, development, production, or storage site (see Site Characterization Map in Attachment 1).

A previously submitted work plan identified the nearest documented water well as greater than ½ mile from the spill site. A water well report was pulled in February 2024 from the New Mexico Office of the State Engineer (OSE) for nearby wells in order to determine the ground water level in the area (See Attachment 2). Based on this report, the shallowest nearby water level was found at 120 feet located in Section 30 of Township 24 North, Range 34 East. However, the closest water well is found at 160 feet in Section 24 of Township 24 North, Range 34 East (See Attachment 2).

However, in accordance with NMOCD rules, as the nearest well identified from the water well report was greater than ½ mile away, additional data was needed to determine depth to groundwater. On August 27, 2024, Talon Drilling was contracted to perform an environmental drill approximately 300 feet southwest of the spill origin. According to the drill report (see Attachment 5), the well was drilled to a depth of 105 feet and all cuttings were dry. The soils in which the well was drilled were unsuitable to maintain the well hole long term, and the borehole was maintained overnight to a depth of 62 feet. No evidence of water was found in borehole cuttings. Though the borehole was not maintained at a depth of greater than 100 feet due to soil properties at the site, the available evidence from the drill, particularly the dry cuttings, supports a depth to groundwater of greater than 100 feet.

It is proposed that cleanup standards follow Table 1 guidelines (see below) for depth to groundwater at greater than 100 feet. Based on these NMOCD remediation standards from rule 19.15.29 NMAC, the analytical closure criteria for confirmation samples collected from the affected area at the Site are: TPH concentration no greater than 2,500 mg/Kg with TPH concentration no greater than 100 mg/Kg within the first four feet of topsoil, benzene concentration of 10 mg/Kg, total BTEX concentration of 50 mg/Kg, and chloride concentration of 20,000 mg/Kg with chloride concentration of 600 mg/Kg within the first four feet of topsoil or background, whichever is greater (Table 1).

Table 1 of 19.15.29 NMAC

Table 1 Closer Criteria for Soils Impacted be a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	**Chloride*** **	**EPA 300.0 or SM4500 Cl B**	**20,000 mg/kg**
	TPH (GRO+DRO+MRO)	**EPA SW-846 Method 8015M**	**2,500 mg/kg**
	GRO+DRO	**EPA SW-846 Method 8015M**	**1,000 mg/kg**
	BTEX	**EPA SW-846 Method 8021B or 8260B**	**50 mg/kg**
	Benzene	**EPA SW-846 Method 8021B or 8260B**	**10 mg/kg**

*Or other test methods approved by the division.
**Numerical limits or natural background level, whichever is greater.
***This applies to releases of produced water or other fluids, which may contain chloride.

3 Scope of Work

The day after the incident had been identified, a dirt work contractor (Zealous) began removing contaminated soil with hydrovac trucks at the source of the spill around the header. Soils were removed down to the caliche layer, a restrictive layer that could not be excavated with the hydrovac trucks and believed to be the vertical extent of contamination. Once that area had been cleaned

up, the hydrovac trucks were moved to the pipeline ROW to clean up the contaminated soil overlying active pipelines. Simultaneously, rubber-tired excavation equipment (backhoe) was brought in to excavate areas that were not at risk of a potential line strike, i.e,areas beyond the active pipelines and other utility lines identified by a “One-call”. The backhoe was used to remove the top six inches of soil in the spill area. Once the six inches had been removed, the area was assessed by presence of visual staining and/or the use of Hach QuanTab Chloride test strips to determine if contaminated soils persisted. If so, those areas were further excavated by removing another 6 inches of soil. Based on the observation of the caliche layer being the restrictive layer that confined the vertical migration of contamination, the backhoe was utilized down the length of the spill to excavate potholes in an effort to delineate the depth to the caliche layer, as it varied across the extent of the spill area.

During the cleanup of the areas of concern, EIS personnel utilized the Hach QuanTab Chloride test strips to sample soils for high levels of chlorides, along with visual observation of staining, to assist in delineation of the extent of the contaminated area. Using both a hand shovel and a backhoe (for deeper depths), soil test pits were dug downward through the soil column and across the extent of the contaminated area. QuanTab Chloride test strips were utilized to test soil from these soil test pits in an effort to delineate the vertical depth of the contamination (Attachments 3 and 4). It was found that the vertical extent of spill is dependent on the caliche depth, confirming that the caliche probably acts as the restrictive layer. The caliche depth varies widely, but by mapping out the depth of the caliche layer we believe we have delineated the vertical extent of the spill. At some locations, the contamination appears to saturate up to six inches into the caliche layer.

Based on this vertical delineation, Pilot proposes to further excavate and haul contaminated soil within the delineated area down to a depth of 6 inches below the top of the caliche layer, or to a depth of 4 feet as required by NMAC 19.15.29.13.D.(1), whichever comes first. Once all predicted contaminated soils have been removed, soil samples will be taken and sent for laboratory analysis to confirm the levels in the remaining soils are at or below the acceptable standards outlined in Table 1 per rule 19.15.29.13D (1). Then, the incident can be closed out in accordance with NMOCD Rule 19.15.29.

Soil samples are proposed to be taken every 400 square feet due to the size of the area (see further sampling description below and Attachment 7). Once laboratory soil sample results confirm the area meets the closure criteria in accordance with NMOCD Rule 19.15.29, new clean soil would be hauled in to replace the removed soil and contoured to restore the original surface elevation and original topography as nearly as practicable.

The expected volume of currently remaining contaminated soil to be excavated and hauled off is 2,335 cubic yards, based on delineation. In addition, 476 cubic yards have already been excavated and hauled off to date. This would result in a total removal of 2,811 cubic yards at the Site. The estimated time to complete remediation with the dig and haul is approximately nine (9) to ten (10) weeks.

Laboratory tested soil samples will be analyzed for BTEX by EPA Method 8260 or 8021, TPH by EPA Method 8015 extended range (GRO+DRO+MRO; C6 thru C36), and chloride by EPA Method 300.0 following NMOCD rule 19.15.29.12D. A homogenized core sample will be taken from the soil surface of the excavated area at or below the hard pan (caliche) up to 12 inches. All samples will be analyzed for BTEX, TPH, and chloride.

All soil sampling will be conducted by qualified biologists trained and experienced in using the appropriate equipment and standardized sampling methods as outlined. The soil samples will be collected in laboratory prepared glassware and placed in a cooler on ice, following chain-of-custody protocols. The samples will be transported to a selected analytical laboratory along with a completed chain-of-custody form and submitted for analysis of the parameters specified above.

4 Background

Background samples will be gathered in areas undisturbed by oil and gas activities and uphill from the release area. Background samples will be taken no closer than 50 feet but no farther than 100 feet from the lateral and horizontal extents of the release impacted area. These background samples would be representative of the soils impacted including the entire horizontal and vertical extent of the release. The depth of the samples will be collected at the same depth as the conformation samples.

5 Reporting

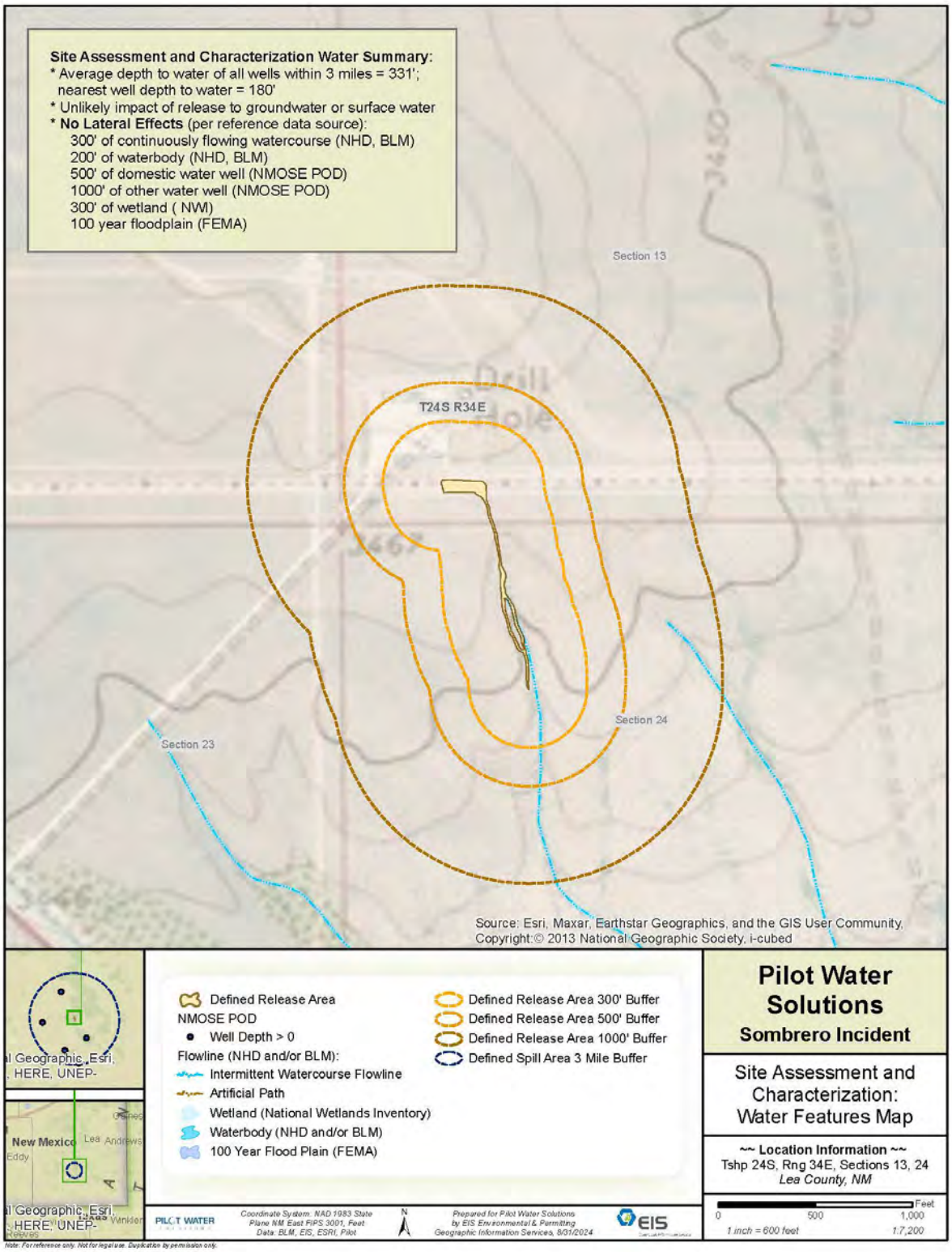
A Remediation Closure Report will be prepared to document the activities during the remediation outlined in the procedure and submitted to the NMOCD with a C-141 form for approval. The Remediation Closure Report will include site maps providing the location of the excavated area and sample locations, laboratory analytical results, chain of custody documentation, field data including samples not submitted for laboratory analysis, photograph documentation of the soil samples, fieldwork being conducted, and the proposed reclamation of the disturbed area. Following the NMOCD's approval of the Remediation Closure Report and successful reclamation/restoration of the release area, a Restoration Report will be submitted with a C-141 form for NMOCD approval and final closure of the release.

Tanner Paulek
Project Manager
EIS Environmental & Permitting Solutions, LLC
tannerpaulek@eis-llc.com
(970) 759-6847

Attachments:

Attachment 1 – Site Assessment & Characterization Map
Attachment 2 – OSE Water Well Report
Attachment 3 – Site Buffers Maps
Attachment 4 – Delineation Map Book and QuanTab Results
Attachment 5– Site Photos
Attachment 6 – Environmental drill report
Attachment 7 – Proposed Soil Sampling Map and Contaminated Area

Attachment 1 – Site Assessment & Characterization Map



Attachment 2 – OSE Water Well Report

New Mexico Office of the State Engineer

Wells with Well Log Information

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (in feet)

POD Number	Code	POD Subbasin	County	Source	q 6416	q 4	q 4	Sec	Tws	Rng	X	Y	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
CT 00438 POD2		CT	UN	Shallow	4	4	4	24	24N	34E	656394	4017649	04/07/2017	04/18/2017	05/24/2017	394	160	WAGGONER, JUSTIN R.	1700
CT 00438 POD2	C	CT	UN	Shallow	4	4	4	24	24N	34E	656394	4017649	04/07/2017	04/18/2017	05/24/2017	394	160	WAGGONER, JUSTIN R.	1700
CT 01407 POD1		CT	UN	Shallow	2	3	4	30	24N	34E	647931	4016665	04/29/2009	05/04/2009	05/18/2009	340	120	AKIN, BRANT	437
CT 01621 POD1		CT	UN	Shallow	4	4	2	35	24N	34E	654845	4015034	10/20/2010	10/21/2010	11/02/2010	410	270	AKIN, BRANT	437
CT 01622 POD1		CT	UN	Shallow	2	4	2	33	24N	34E	651557	4015331	10/13/2010	10/14/2010	11/02/2010	360	240	AKIN, BRANT	437

Record Count: 5

PLSS Search:

Township: 24N **Range:** 34E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CT 00438 POD2	4	4	4	24	24N	34E	656394	4017649

Driller License: 1700 **Driller Company:** DB&E

Driller Name: WAGGONER, JUSTIN R.

Drill Start Date: 04/07/2017 **Drill Finish Date:** 04/18/2017 **Plug Date:**

Log File Date: 05/24/2017 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 5 GPM

Casing Size: 5.00 **Depth Well:** 394 feet **Depth Water:** 160 feet

Water Bearing Stratifications:	Top	Bottom	Description
	160	185	Other/Unknown
	185	210	Other/Unknown
	210	235	Other/Unknown
	235	335	Other/Unknown
	335	360	Other/Unknown
	360	385	Other/Unknown
	385	394	Other/Unknown

Casing Perforations:	Top	Bottom
	364	385

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New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CT 01407 POD1	2	3	4	30	24N	34E	647931	4016665

Driller License:	437	**Driller Company:**	NOT FOR HIRE AKIN & AKIN DRILLING COMPANY, L.L.C.		
Driller Name:	AKIN, BRANT				
Drill Start Date:	04/29/2009	**Drill Finish Date:**	05/04/2009	**Plug Date:**	
Log File Date:	05/18/2009	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	10 GPM
Casing Size:	5.00	**Depth Well:**	340 feet	**Depth Water:**	120 feet

Water Bearing Stratifications:	Top	Bottom	Description
	70	90	Sandstone/Gravel/Conglomerate
	287	290	Other/Unknown

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New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CT 01621 POD1	4	4	2	35	24N	34E	654845	4015034

Driller License:	437	**Driller Company:**	NOT FOR HIRE AKIN & AKIN DRILLING COMPANY, L.L.C.		
Driller Name:	AKIN, BRANT				
Drill Start Date:	10/20/2010	**Drill Finish Date:**	10/21/2010	**Plug Date:**	
Log File Date:	11/02/2010	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	25 GPM
Casing Size:	5.00	**Depth Well:**	410 feet	**Depth Water:**	270 feet

Water Bearing Stratifications:	Top	Bottom	Description
	350	355	Sandstone/Gravel/Conglomerate
	355	360	Sandstone/Gravel/Conglomerate
	370	380	Sandstone/Gravel/Conglomerate
	385	390	Sandstone/Gravel/Conglomerate
	390	393	Sandstone/Gravel/Conglomerate

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New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CT 01622 POD1	2	4	2	33	24N	34E	651557	4015331

Driller License:	437	**Driller Company:**	NOT FOR HIRE AKIN & AKIN DRILLING COMPANY, L.L.C.		
Driller Name:	AKIN, BRANT				
Drill Start Date:	10/13/2010	**Drill Finish Date:**	10/14/2010	**Plug Date:**	
Log File Date:	11/02/2010	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	25 GPM
Casing Size:	5.00	**Depth Well:**	360 feet	**Depth Water:**	240 feet

Water Bearing Stratifications:	Top	Bottom	Description
	220	310	Sandstone/Gravel/Conglomerate
	340	350	Sandstone/Gravel/Conglomerate

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4868-POD-1

Well owner: Pilot Water Phone No.: (505) 692-0354

Mailing address: 20 Greenway Plaza, Suite 500

City: Houston State: Texas Zip code: 77046

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Talon/LPE, Ltd.

2) New Mexico Well Driller License No.: WD-1868 Expiration Date: 10/06/2025

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Robert A Meyer and Anthony D Ristow

4) Date well plugging began: 08/27/2024 Date well plugging concluded: 08/28/2024

5) GPS Well Location: Latitude: 32 deg, 12 min, 36.2946 sec
Longitude: -103 deg, 25 min, 51.7002 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl), by the following manner: Termination of drilling at 105'

7) Static water level measured at initiation of plugging: None ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 08/13/2024

9) Were all plugging activities consistent with an approved plugging plan? No If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Boring collapsed from 105' up to 62'. Boring then plugged with tremie piped grout fron 62' up to ground surface. No water encountered, all samples dry.

Received by OCD: 10/25/2024 10:57:29 AM

Released to Imaging: 11/27/2024 7:34:40 AM

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10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0'-62' I/II Portland Cement	99.6	99.6	Tremie	No casing placed
	62'-105' Boring Collaped	N/A	N/A	Collapse	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Robert A Meyer, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Robert A Meyer — 09/12/2024

Signature of Well Driller — Date

Version: September 8, 2009
Page 2 of 2

Received by OCD: 10/25/2024 10:57:29 AM

Released to Imaging: 11/27/2024 7:34:40 AM

SOIL BORING / MONITORING WELL LOG

PROJECT: Eunice DTW
PROJECT NUMBER: 701093.001.01
CLIENT: Energy Inspection Services, LLC
BORING / WELL NUMBER: POD-1_SB-1
TOTAL DEPTH: 105'
SURFACE ELEVATION:
GEOLOGIST: Anthony Ristow
LATITUDE: 32° 12' 36.2946"

DRILLING COMPANY: Talon/ LPE
DRILLER: Anthony Ristow
DRILLING METHOD: Air Rotary
BORE HOLE DIAMETER: 6"
SCREEN: Diam. ___ Length ____ Slot Size ____
CASING: Diam. ____ Length ____ Type ____
DATE DRILLED: August 27-28, 2024
LONGITUDE: -103° 25' 51.7002"

PAGE 1 of 1

DEPTH (FT.)	USCS	SOIL SYMBOL	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DEPTH (FT)
0								Red Sand, Dry Sandstone/Cemented Sand, Dry Caliche with Sand, Dry	
20								Red Sandy Gravel with Clay Nodules, Dry	
40									
60								Caliche with Sand, Dry	
80								Red Clay, Dry	
100							105'		
120								Bottom of hole.	

REMARKS:

THIS BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT.

TALON LPE

KEY TO SYMBOLS

Symbol Description

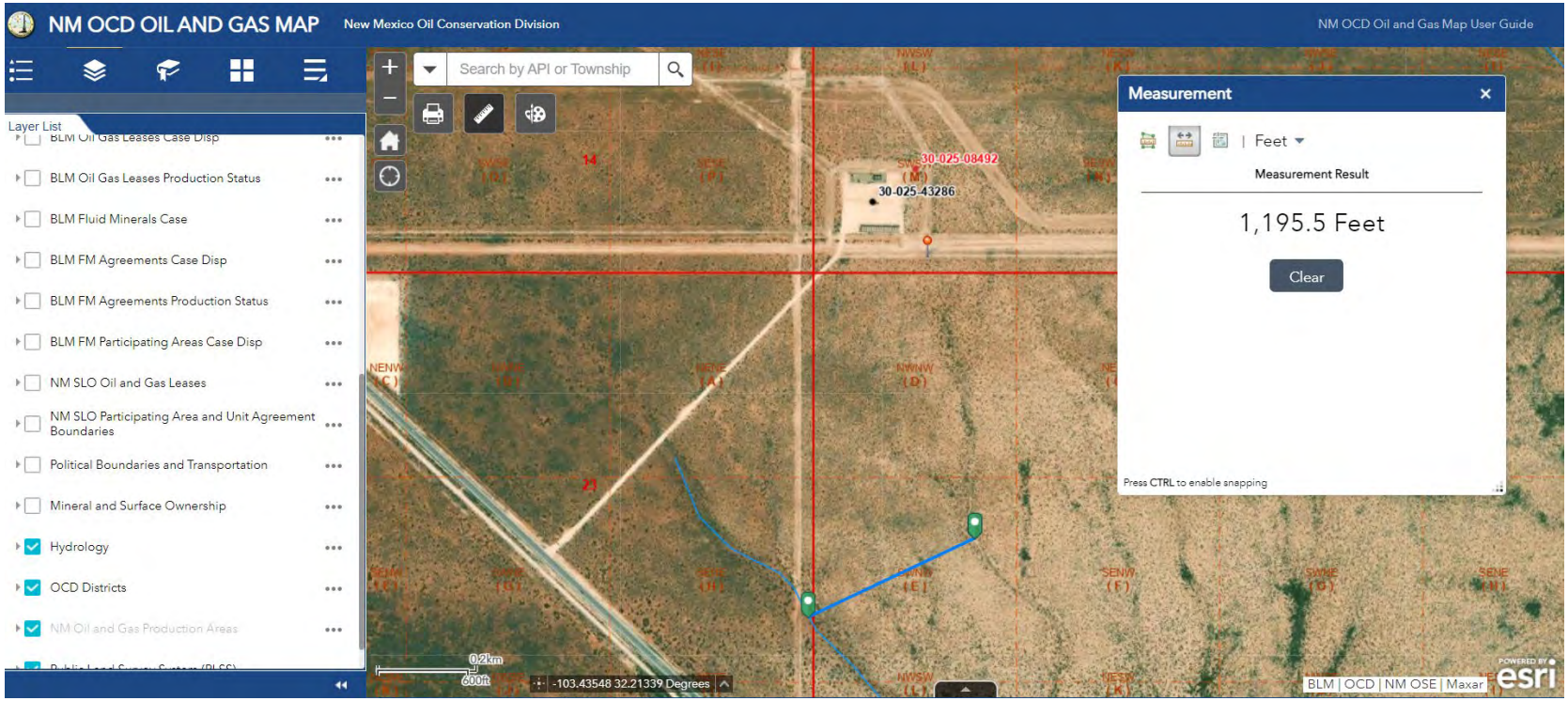
Monitor Well Details

Plugged Soil Boring

Attachment 3 – Site Buffers Maps

NMOCD- Permian Basin Karst Areas

NMOCD Hydrology


NM OCD OIL AND GAS MAP
New Mexico Oil Conservation Division
NM OCD Oil and Gas Map User Guide
Search by API or Township
Layer List
BLM Oil Gas Leases Production Status
BLM Fluid Minerals Case
BLM FM Agreements Case Disp
BLM FM Agreements Production Status
BLM FM Participating Areas Case Disp
NM SLO Oil and Gas Leases
NM SLO Participating Area and Unit Agreement Boundaries
Political Boundaries and Transportation
Mineral and Surface Ownership
Hydrology
OCD Districts
NM Oil and Gas Production Areas
30-025-08492
30-025-43286
Measurement
Feet
Measurement Result
1,195.5 Feet
Clear
Press CTRL to enable snapping
0.2km
600ft
-103.43548 32.21339 Degrees
BLM | OCD | NM OSE | Maxar
esri

U.S. Fish and Wildlife Service
National Wetlands Inventory

National Wetlands Inventory: Sombrero Release

October 19, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Approximate Sombrero release origin
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

OSE Water PODs & USGS Groundwater Wells

10/19/2024, 4:38:50 PM

1:9,028

0 0.07 0.15 0.3 mi

0 0.15 0.3 0.6 km

USGS, OCD, Maxar, BLM

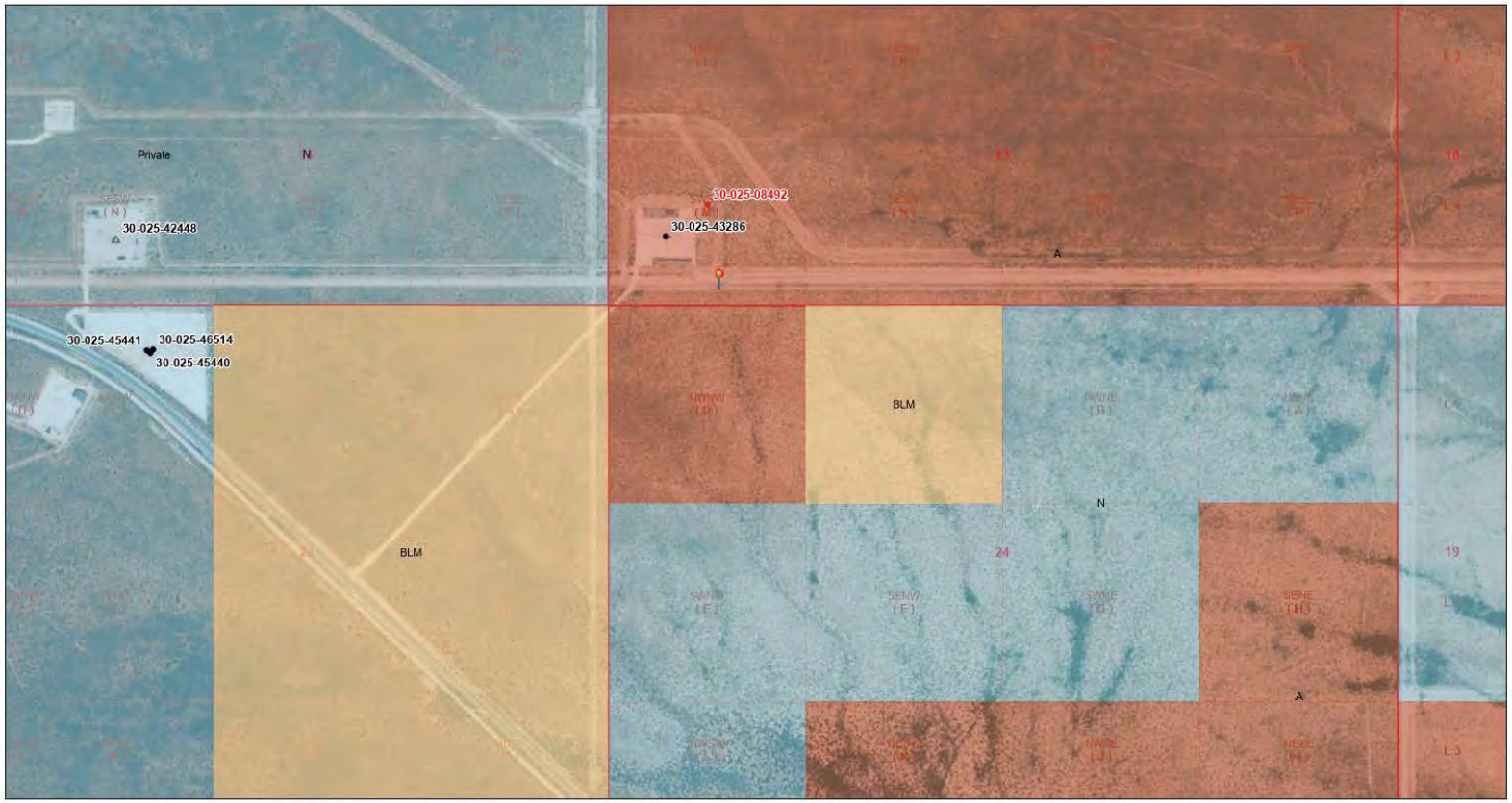
Wells - Large Scale

- OSE Water PODs
- Approximate Sombrero release origin
- Oil, Active
- Oil, Plugged
- Salt Water Injection, Active
- PLSS Second Division
- PLSS First Division

NewMexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: NewMexico Oil Conservation Division

NMOCD Surface Ownership



10/19/2024, 4:50:58 PM

1:9,028

0 0.07 0.15 0.3 mi

0 0.15 0.3 0.6 km

U.S. BLM, OCD, Maxar, BLM

Approximate Sombrero release origin

Oil, Active

Oil, Plugged

Salt Water Injection, Active

Mineral Ownership

A-All minerals are owned by U.S.

N-No minerals are owned by the U.S.

Land Ownership

BLM

P

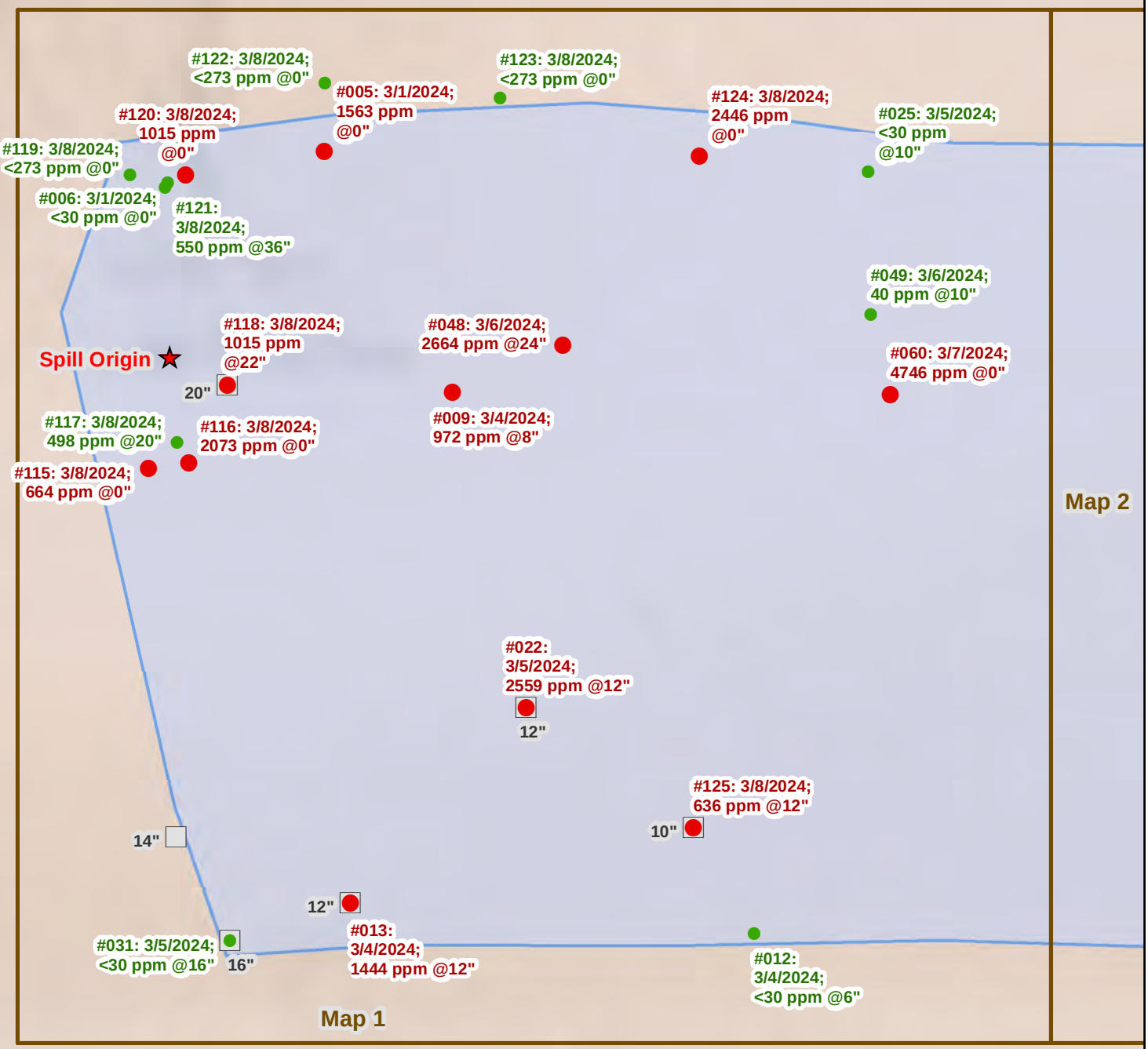
PLSS Second Division

PLSS First Division

NewMexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: NewMexico Oil Conservation Division

Attachment 4 – Delineation Map Book and QuanTab Results



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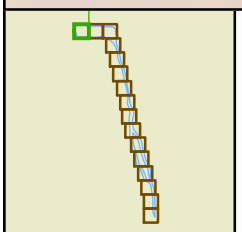


- Spill Origin
- Chloride < 600 ppm
- Chloride = > 600 ppm
- Known Depth of Top of Caliche Layer, Noted
- Mapped Flow Path
- Defined Spill Area
- Disturbance Area
- Sombrero Map Grid

PILOT WATER SOLUTIONS

Coordinate System: NAD 1983 State Plane NM East FIPS 3001, Feet
Basemap: Esri, FAO, USGS, NRCan, GIS User Community, SRI, Pilot

N

Prepared for Pilot Water Solutions
by EIS Environmental & Permitting
Geographic Information Services, 4/22/2024

EIS

Pilot Water Solutions

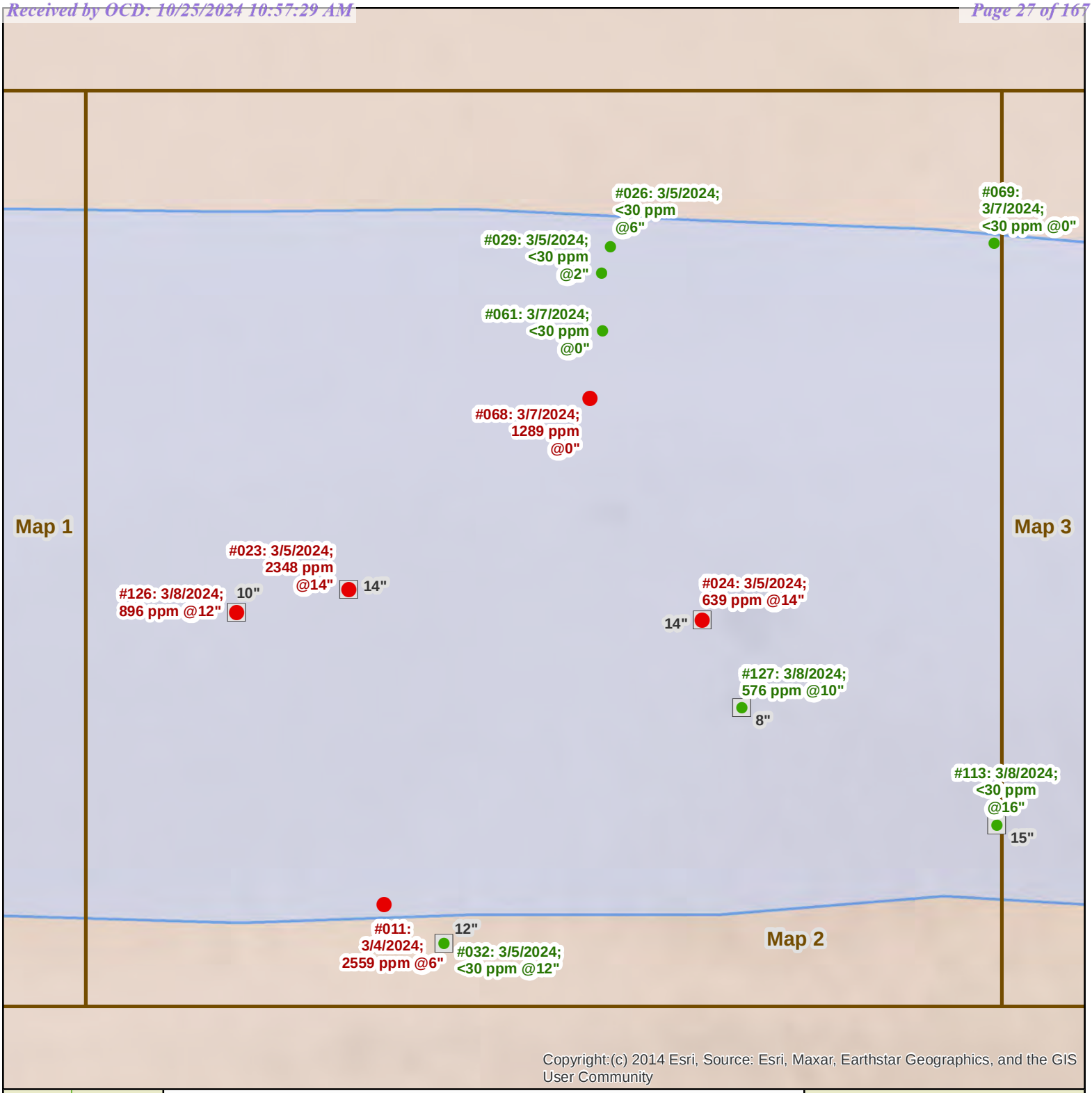
Sombrero Incident

2024 Test Points
3/1, 3/4-3/9, 3/13-3/15
Page 1 of 16

~~ Location Information ~~
Tshp 24S, Rng 34E, Sections 13, 24
Lea County, NM

Feet
0 10 20
1 inch = 12 feet *1:140*

Note: For reference only. Not for legal use. Duplication by permission only.



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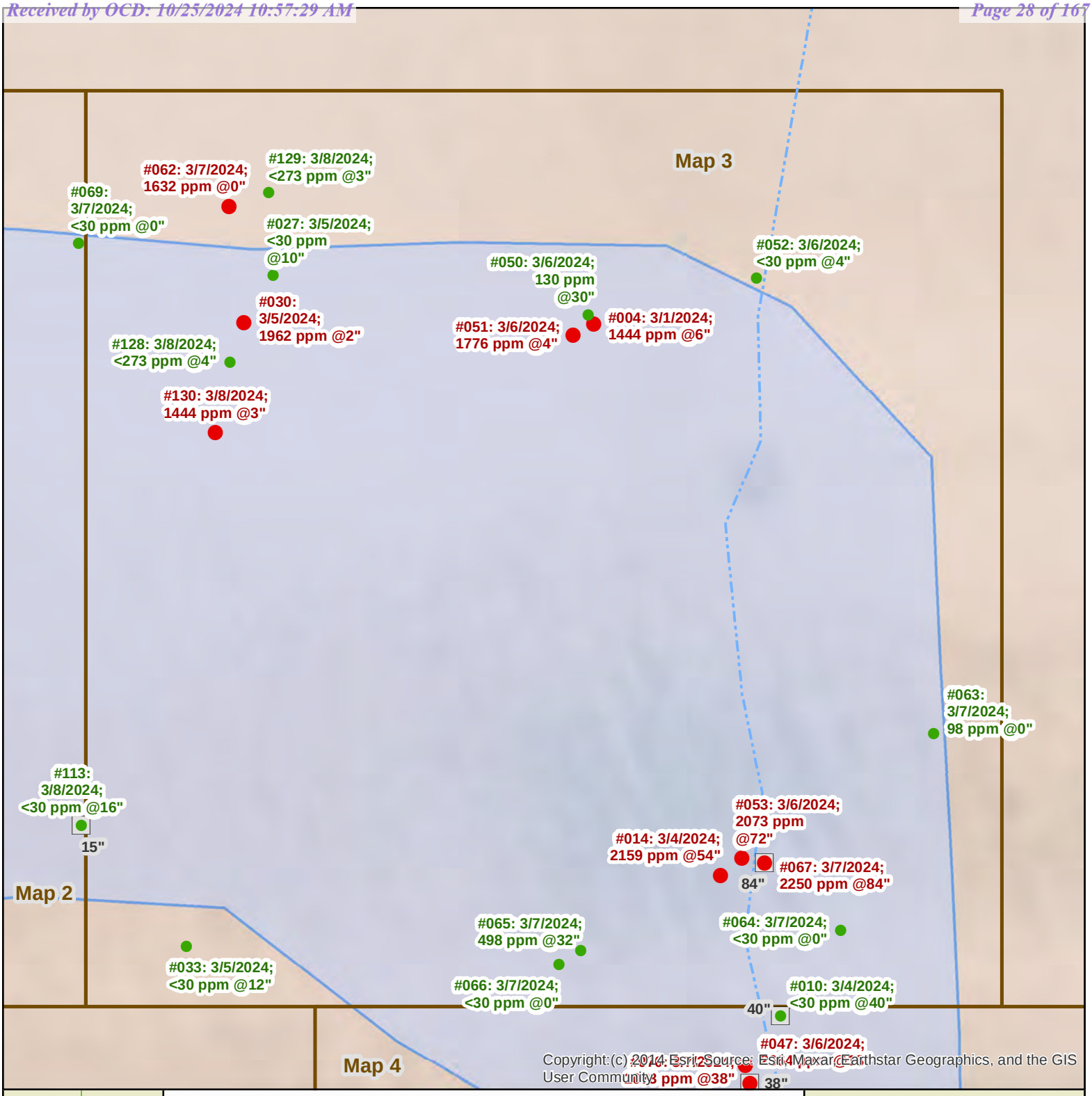

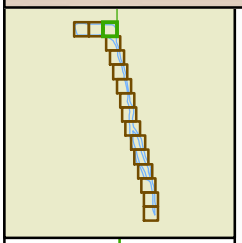

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Pilot Water Solutions

Sombrero Incident

2024 Test Points
3/1, 3/4-3/9, 3/13-3/15
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Tshp 24S, Rng 34E, Sections 13, 24
Lea County, NM

PILOT WATER SOLUTIONS

Coordinate System: NAD 1983 State Plane NM East FIPS 3001, Feet
Esri, HERE, Esri, SRI, Pilot

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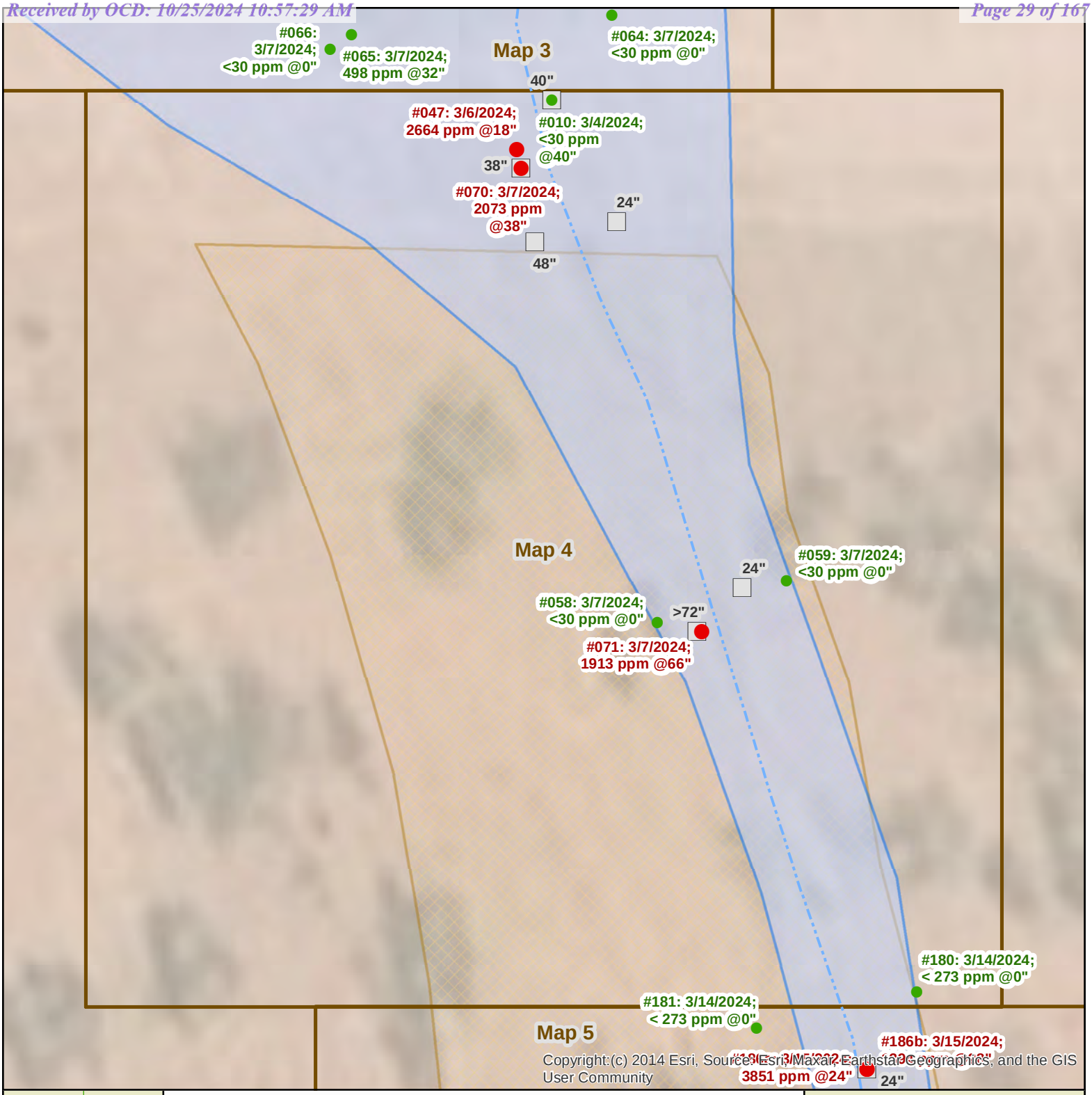

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Pilot Water Solutions

Sombrero Incident

2024 Test Points
3/1, 3/4-3/9, 3/13-3/15
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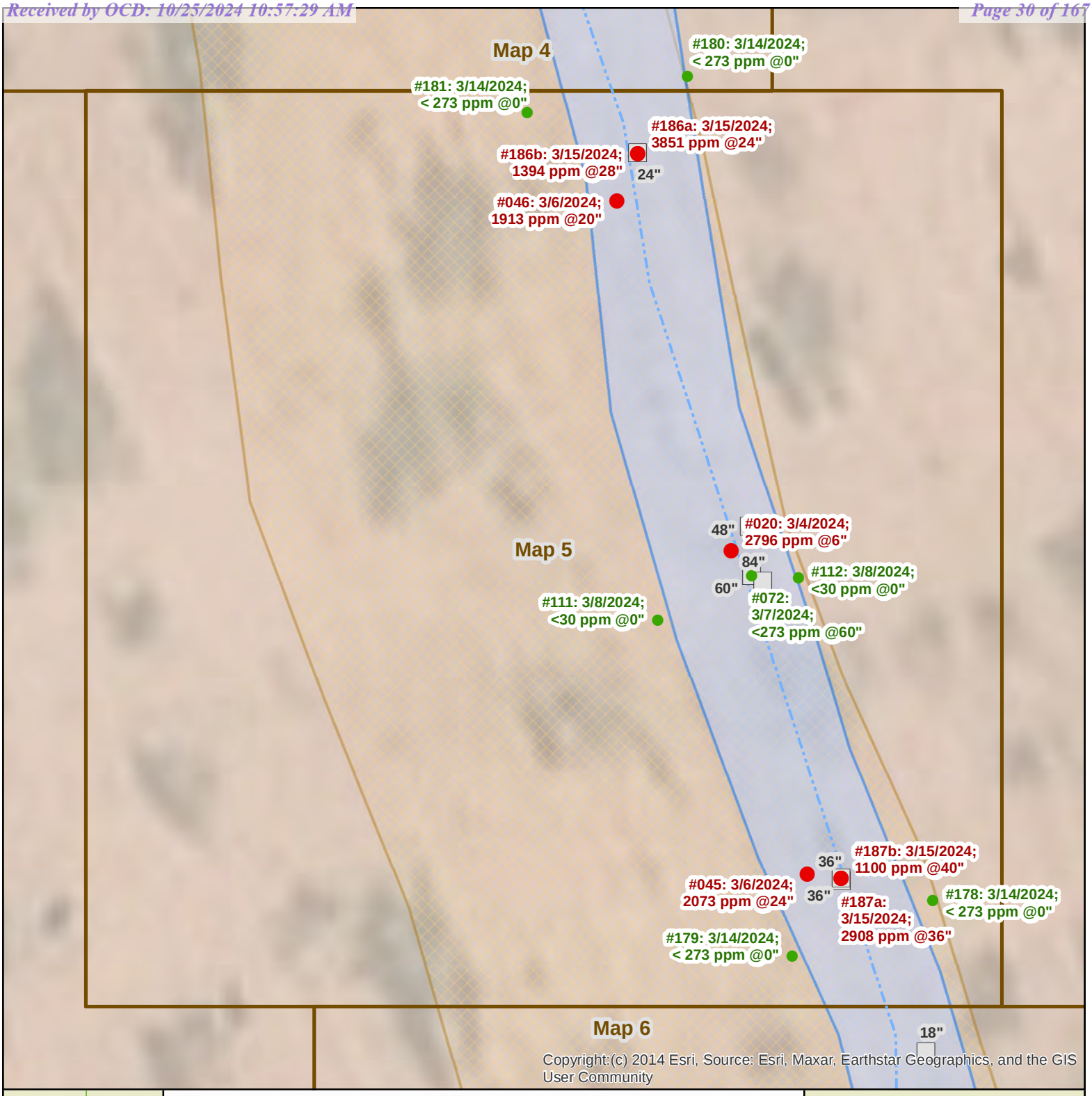

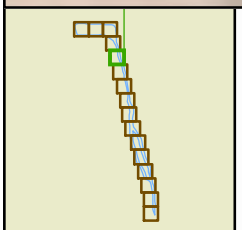

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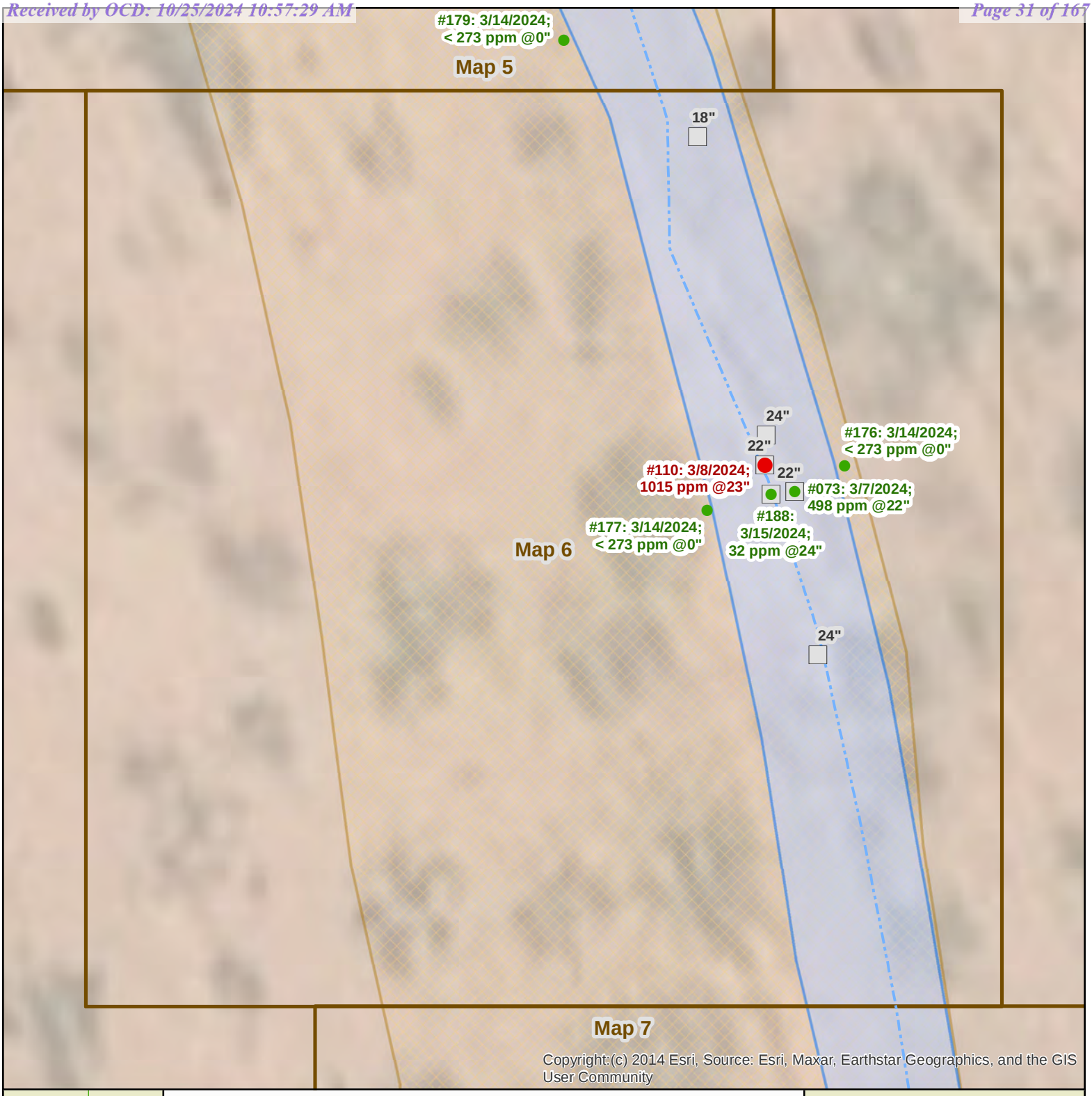

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Sombrero Incident

2024 Test Points
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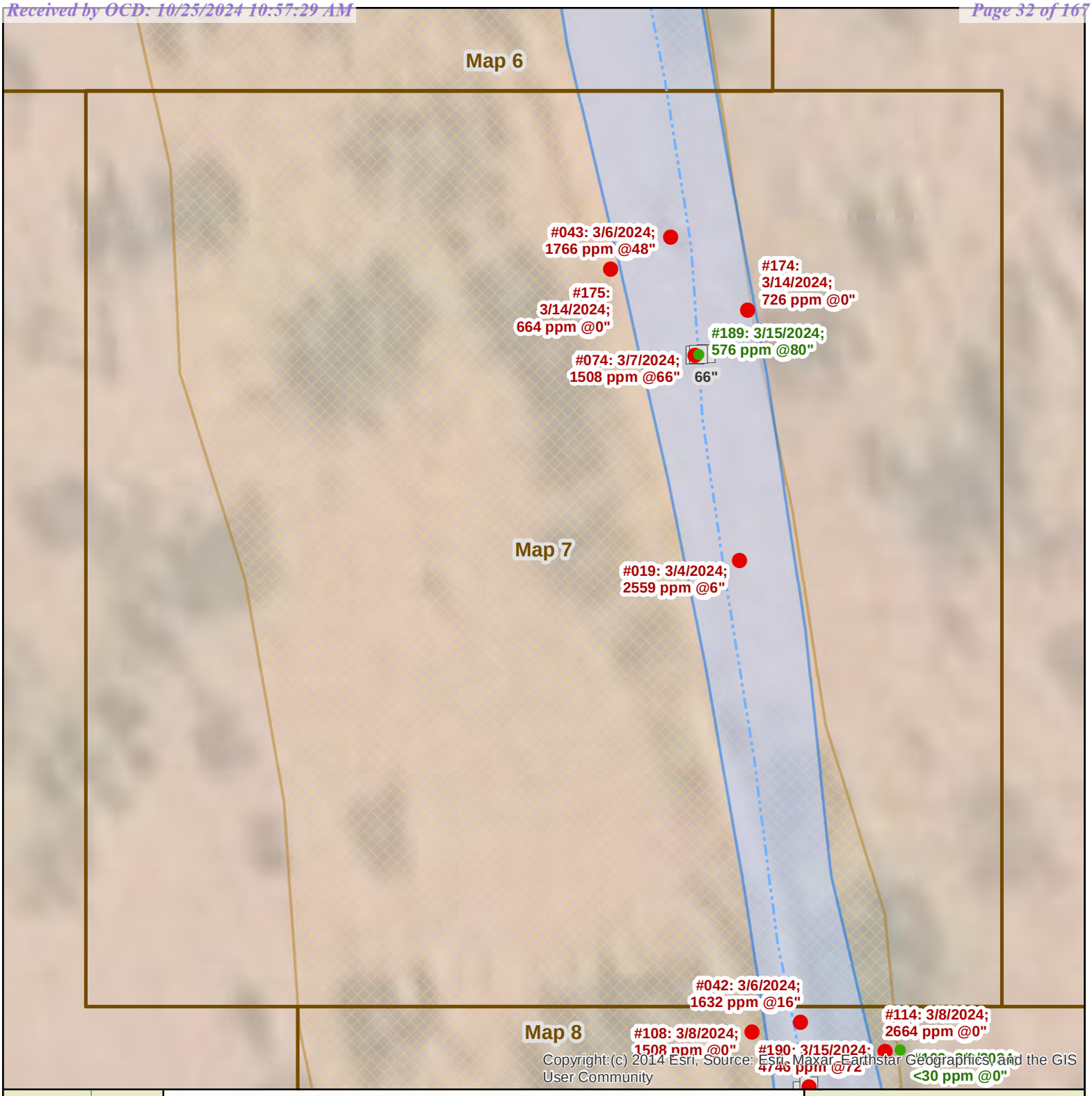

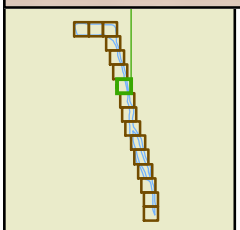

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PILOT WATER SOLUTIONS SERVICES

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Basemap: Esri, USGS, NRCAN, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, SRI, Pilot

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Sombrero Incident

2024 Test Points
3/1, 3/4-3/9, 3/13-3/15
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Tshp 24S, Rng 34E, Sections 13, 24
Lea County, NM

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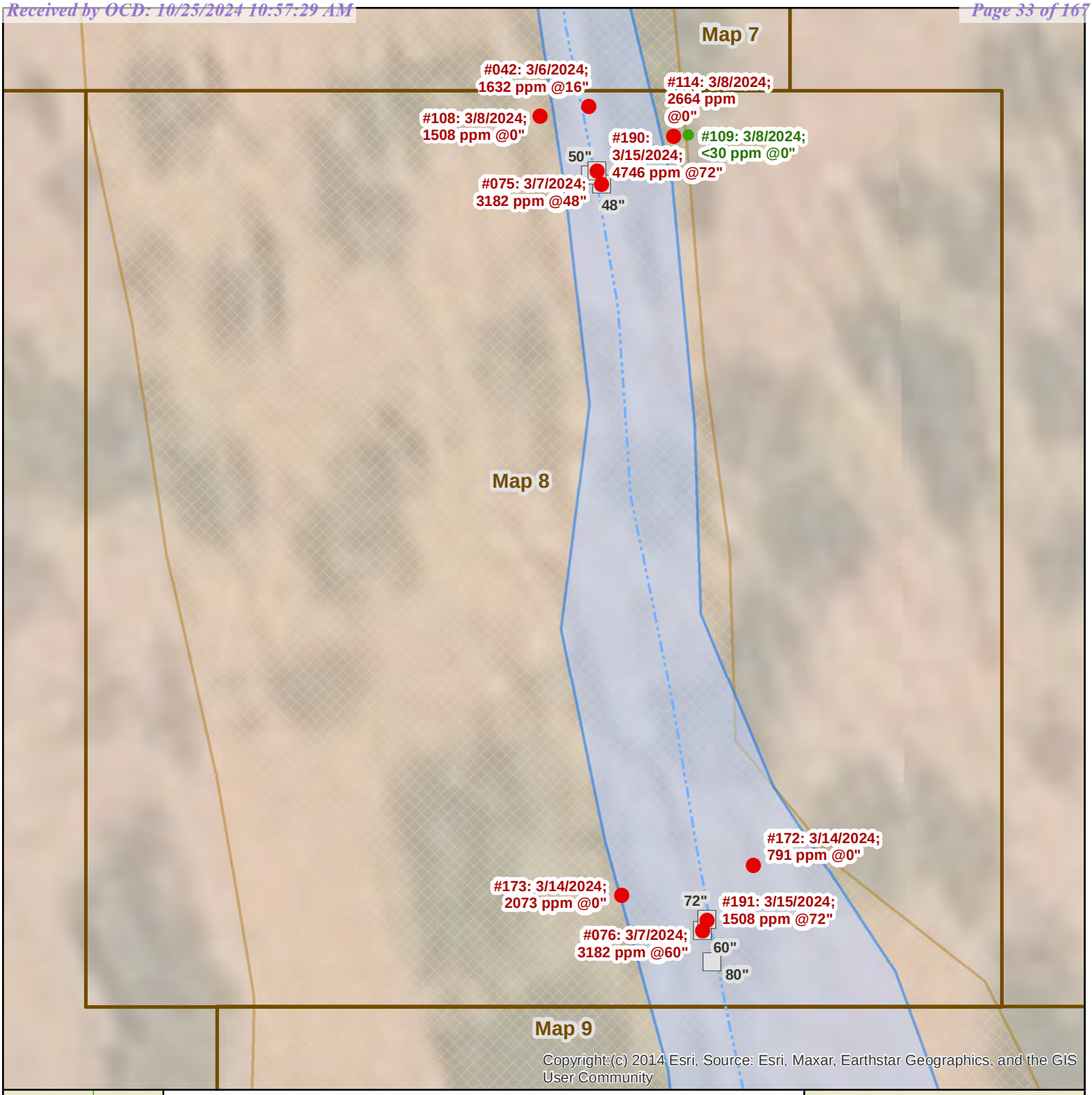

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Sombrero Incident

2024 Test Points
3/1, 3/4-3/9, 3/13-3/15
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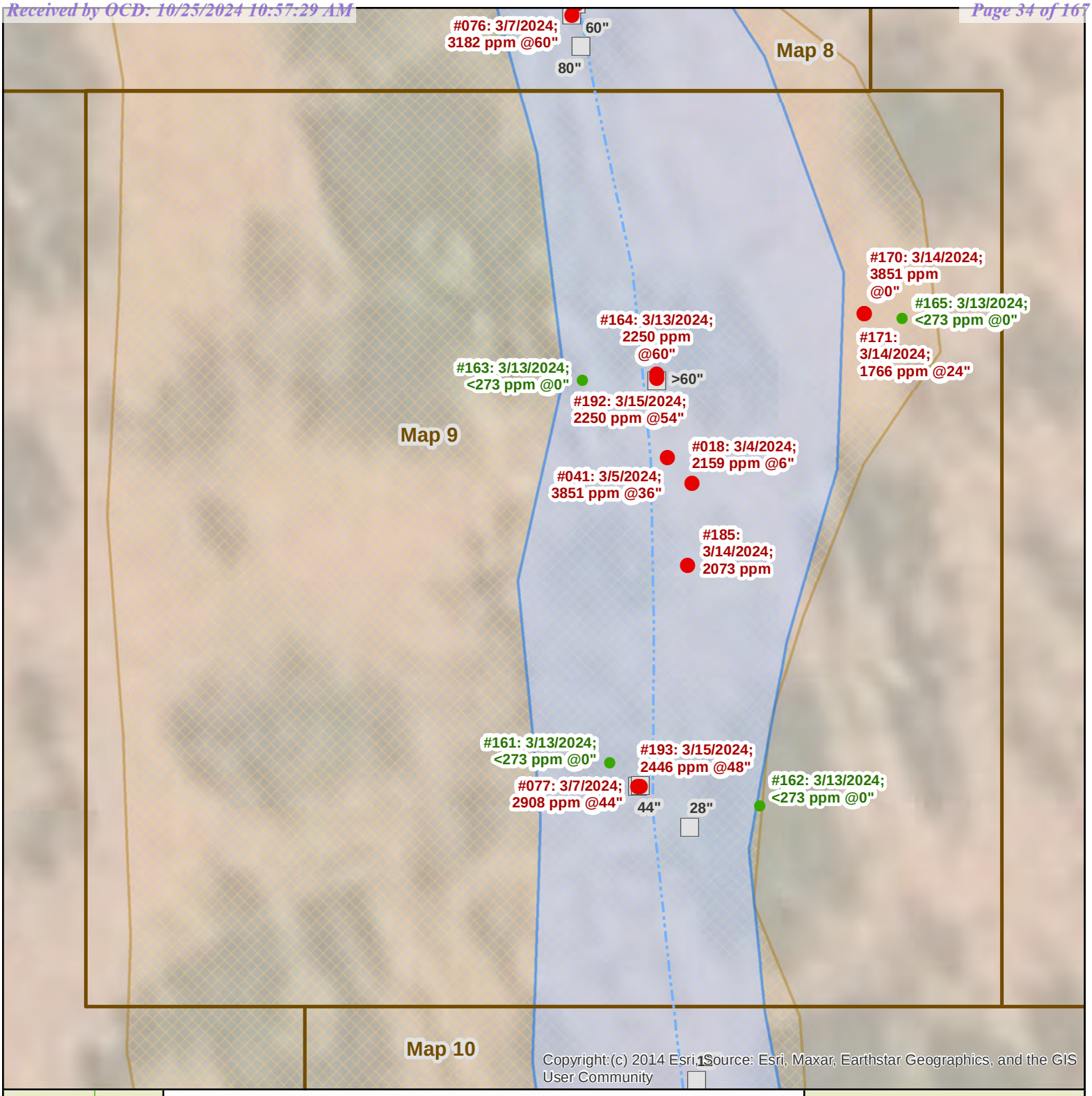

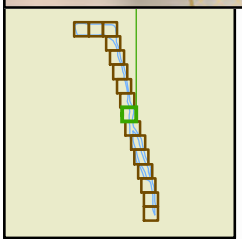

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Pilot Water Solutions

Sombrero Incident

2024 Test Points
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PILOT WATER SOLUTIONS

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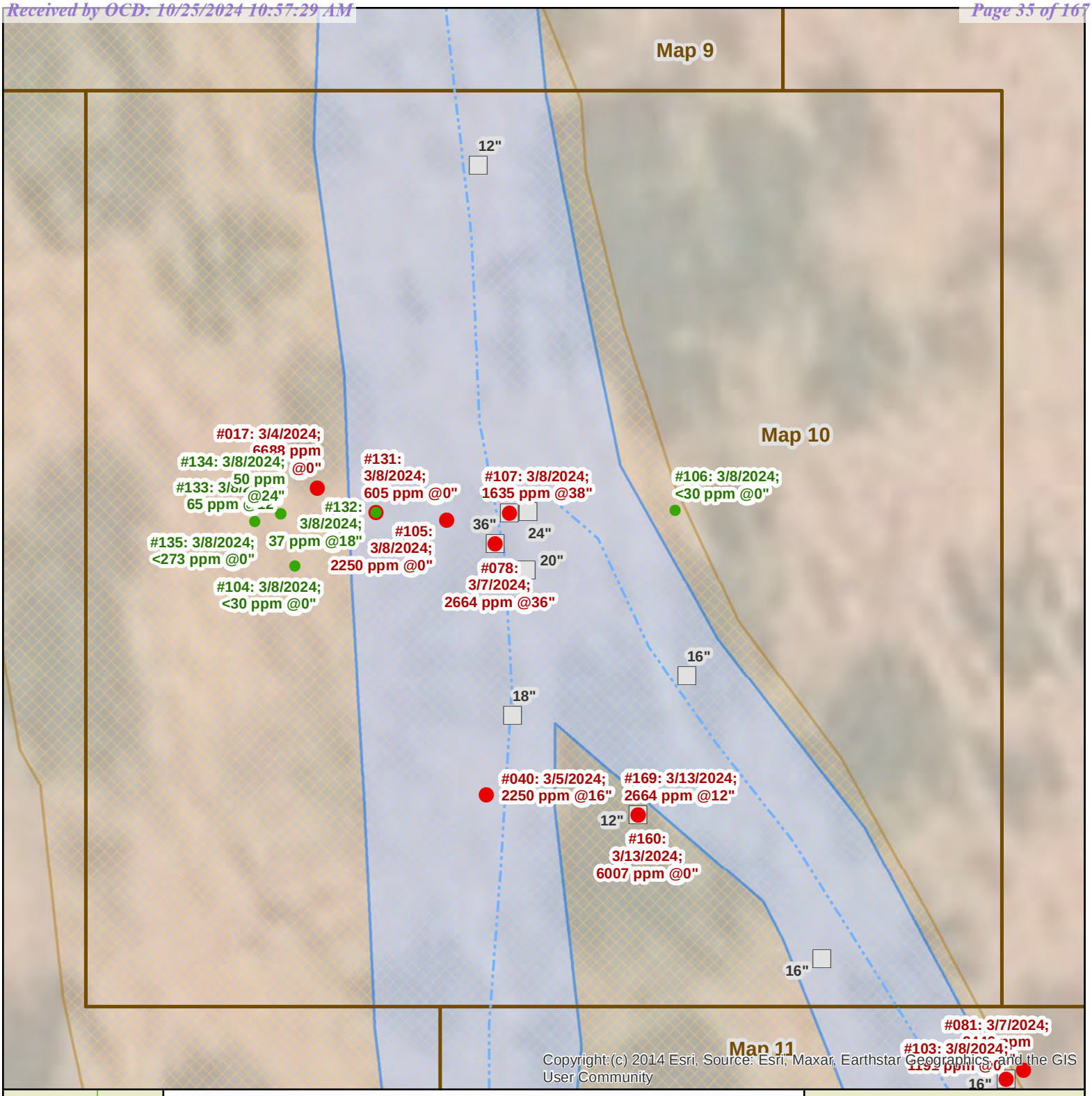

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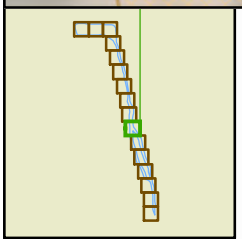

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Sombrero Incident

2024 Test Points
3/1, 3/4-3/9, 3/13-3/15
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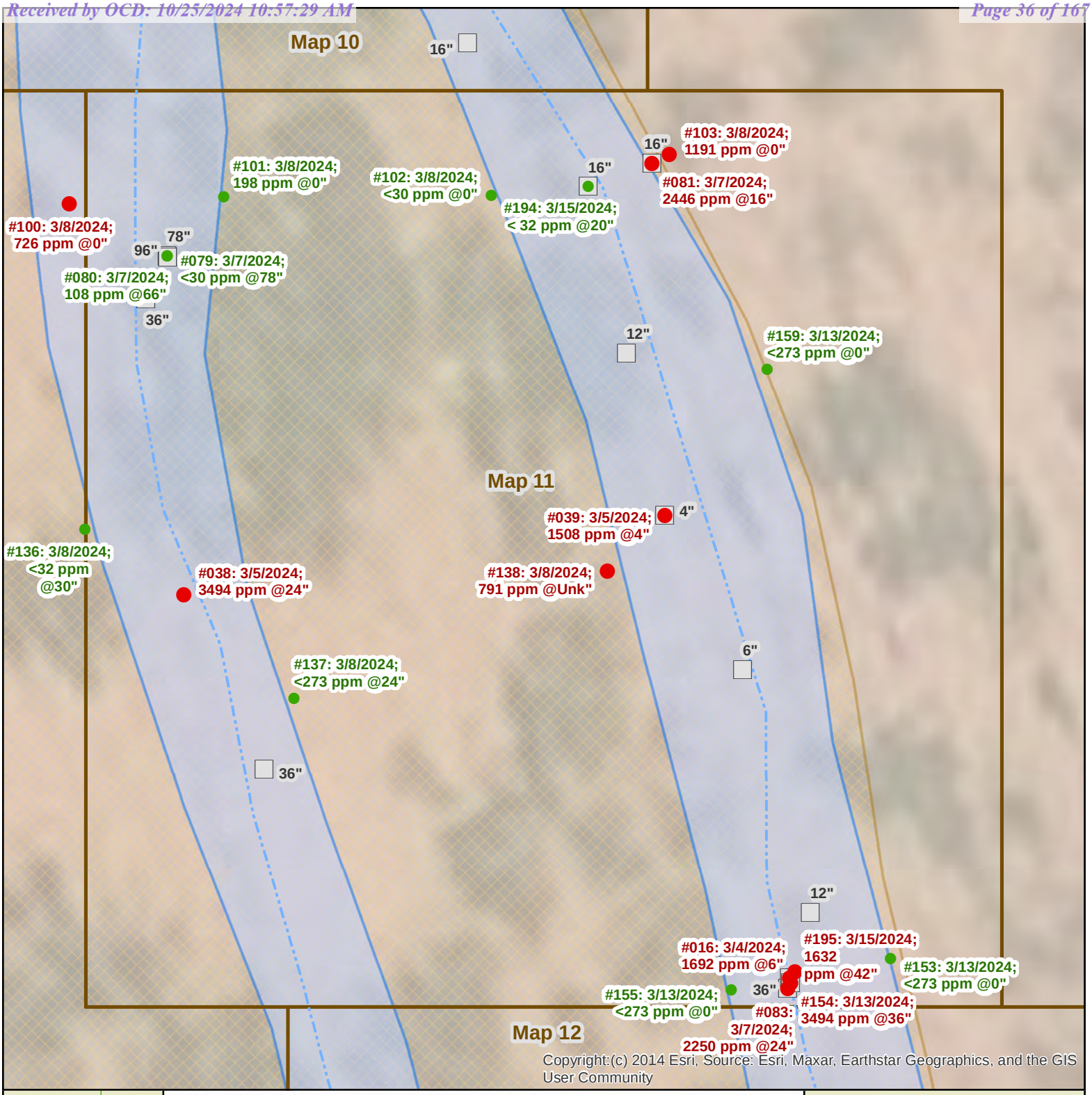

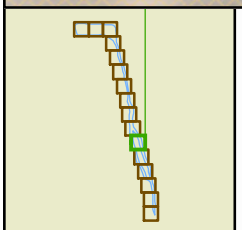

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Pilot Water Solutions

Sombrero Incident

2024 Test Points
3/1, 3/4-3/9, 3/13-3/15
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Tshp 24S, Rng 34E, Sections 13, 24
Lea County, NM

PILOT WATER SOLUTIONS

Coordinate System: NAD 1983 State Plane NM East FIPS 3001, Feet
Esri, HERE, Esri, SRI, Pilot

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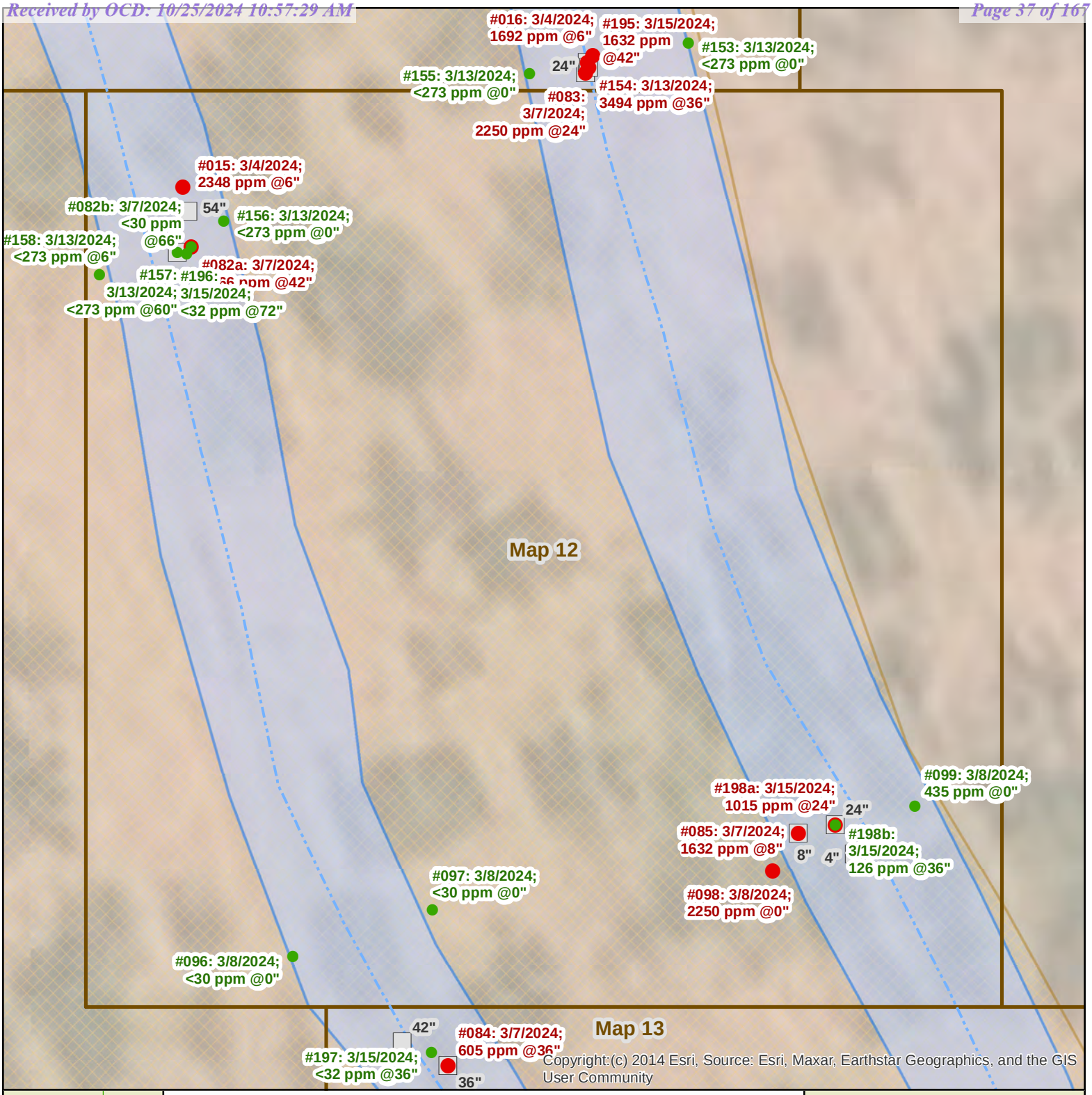

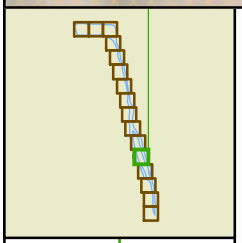

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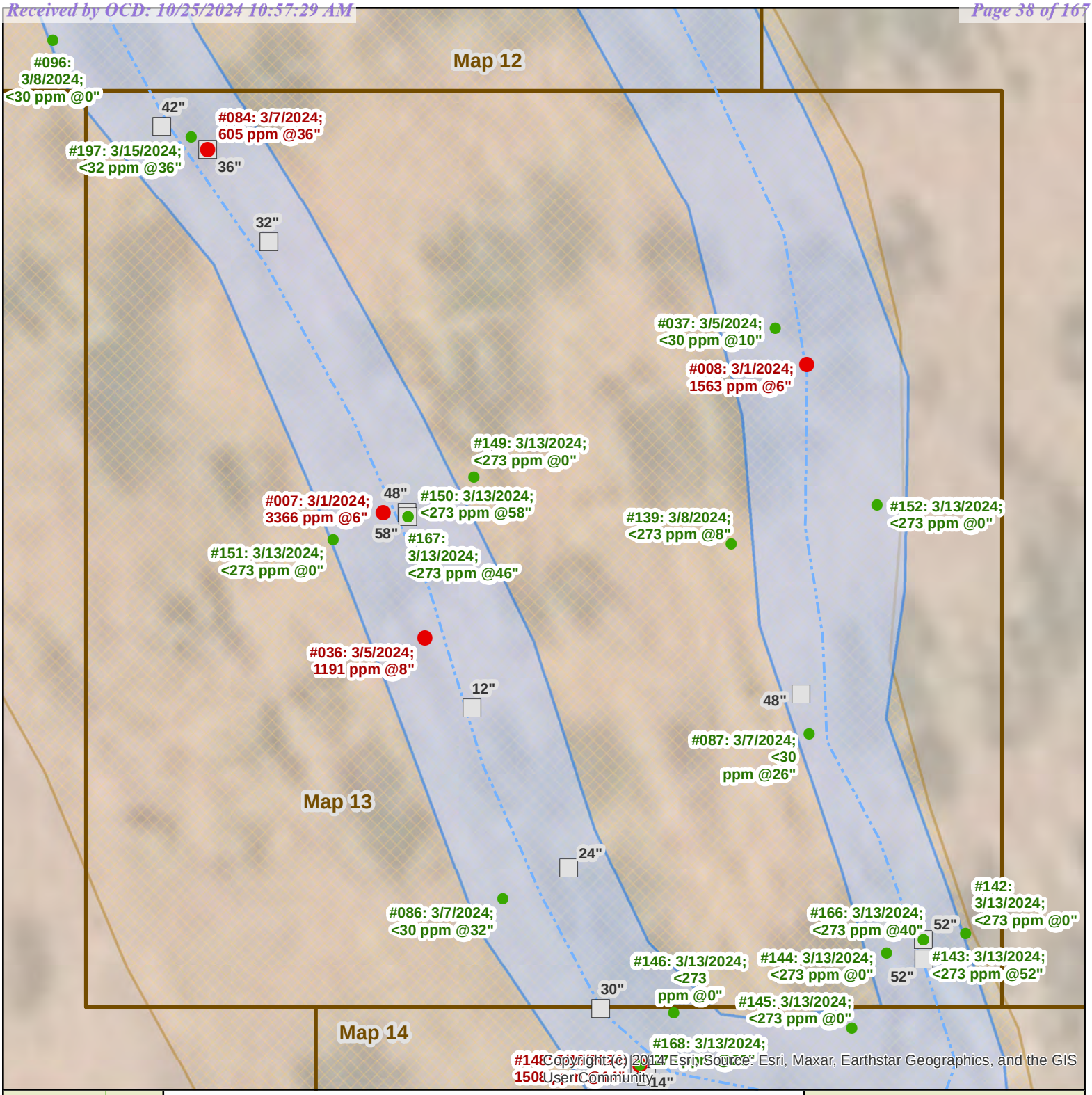

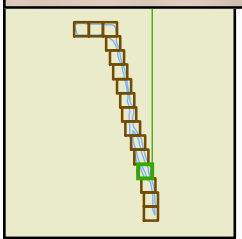

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Lea County, NM

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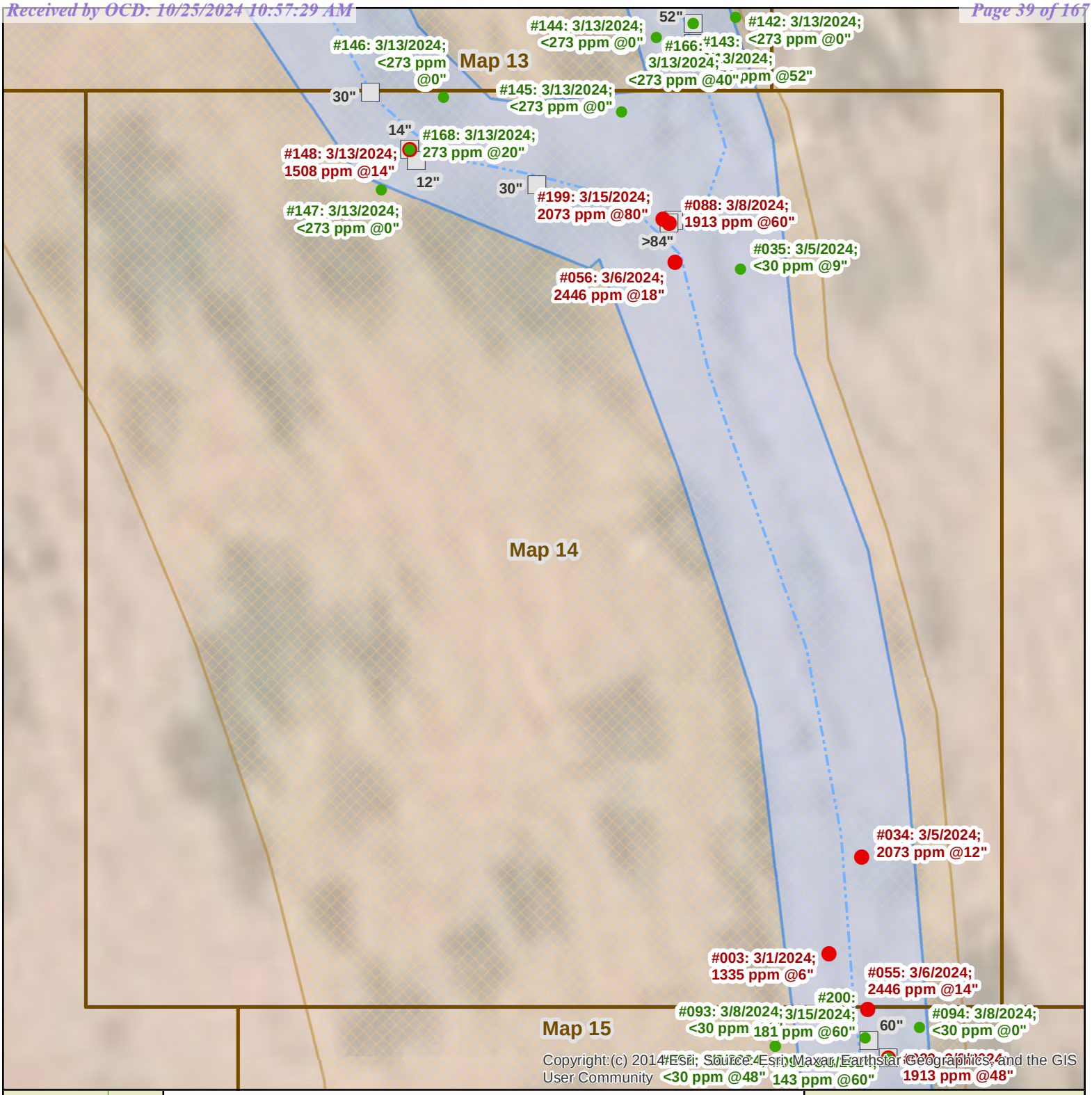

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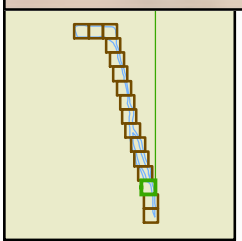

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PILOT WATER SOLUTIONS

Coordinate System: NAD 1983 State Plane NM East FIPS 3001, Feet
Basemap: Esri, USGS, NRCAN, Esri, HERE, Garmin, SRI, Pilot

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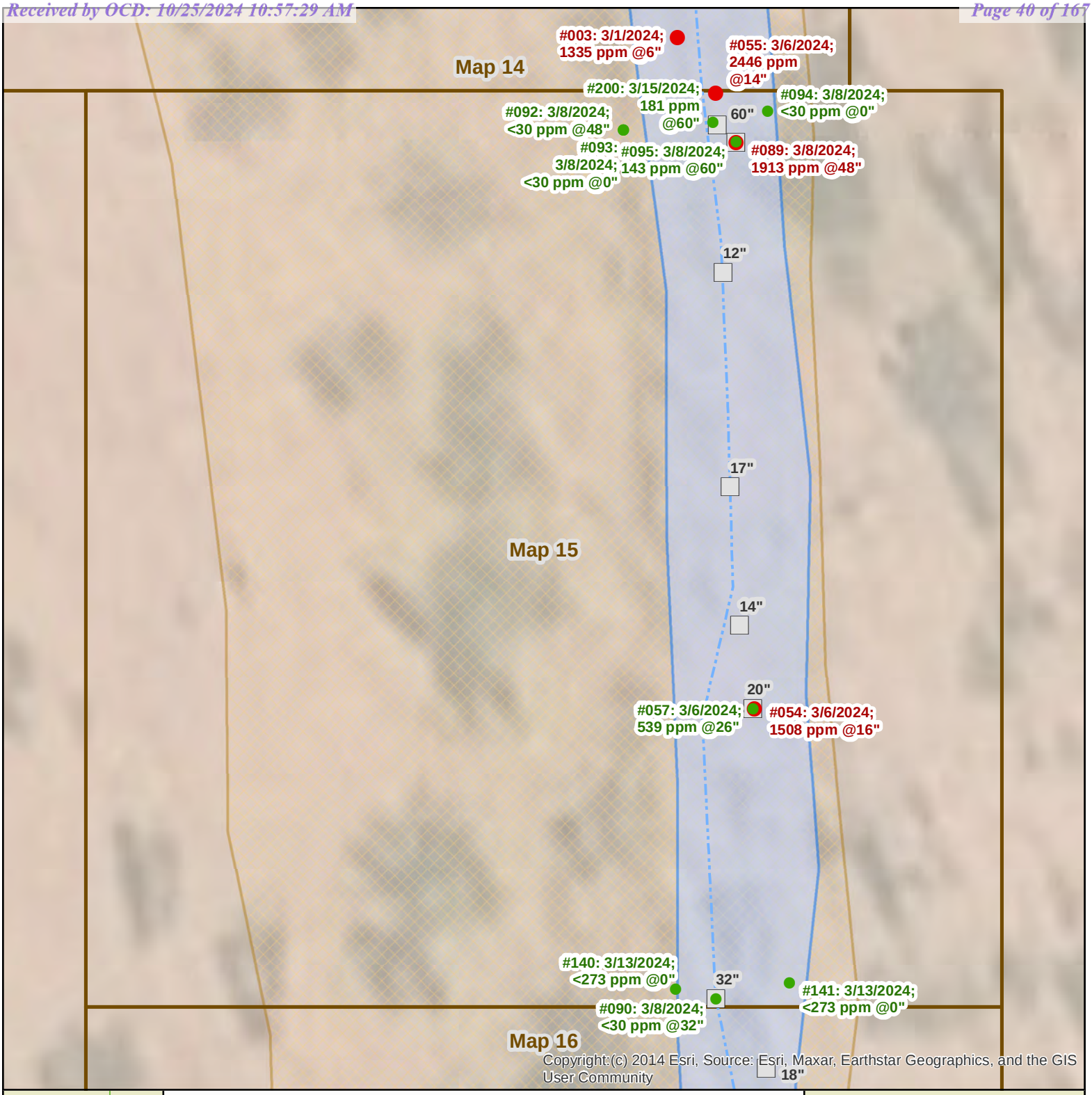

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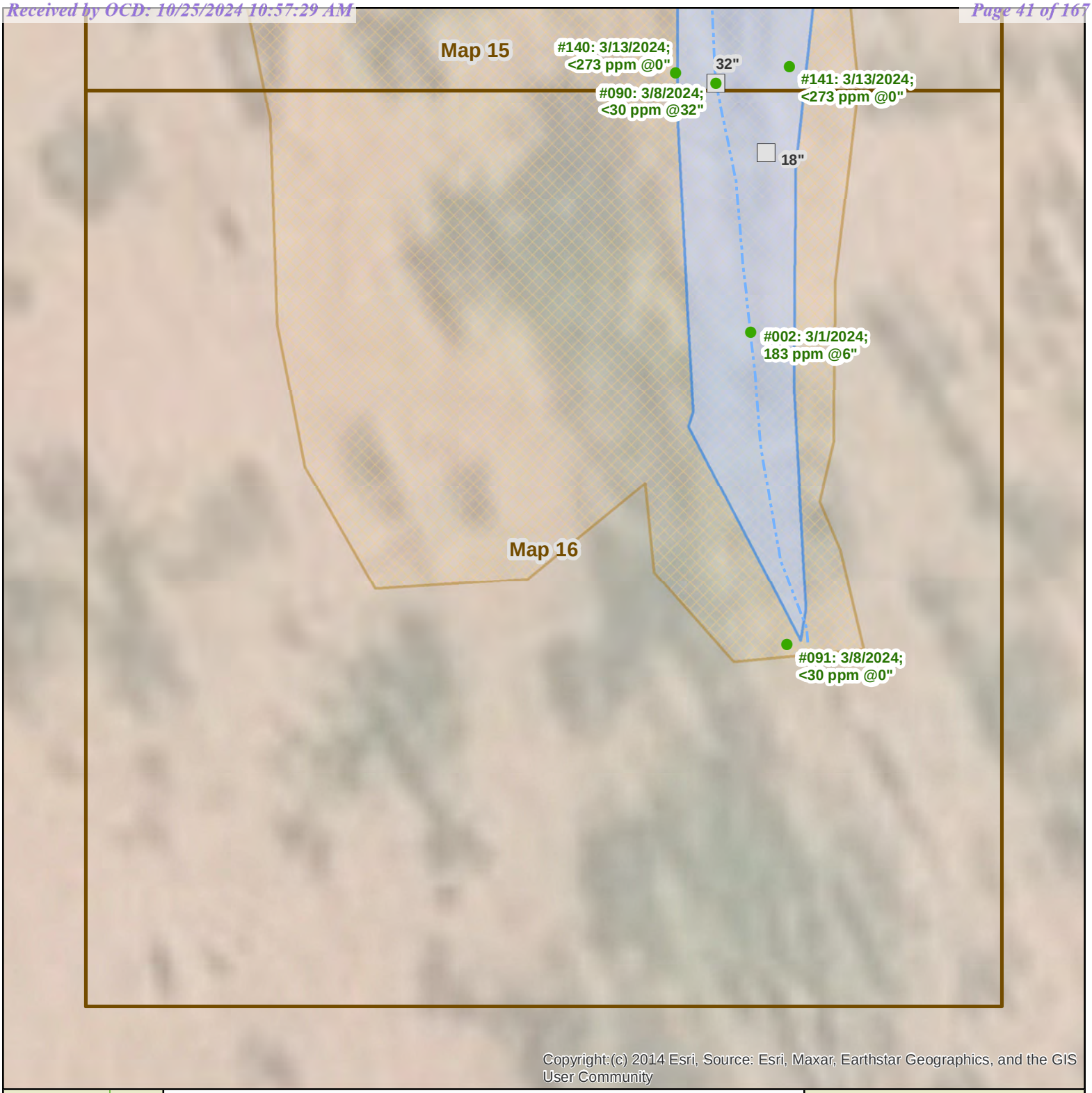

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- Known Depth of Top of Caliche Layer, Noted
- Mapped Flow Path
- Defined Spill Area
- Disturbance Area
- Sombrero Map Grid

PILOT WATER SOLUTIONS

Coordinate System: NAD 1983 State Plane NM East FIPS 3001, Feet
Esri, HERE, Esri, USGS, SRI, Pilot

N

Prepared for Pilot Water Solutions
by EIS Environmental & Permitting
Geographic Information Services, 4/22/2024

EIS

Pilot Water Solutions

Sombrero Incident

2024 Test Points
3/1, 3/4-3/9, 3/13-3/15
Page 16 of 16

~~ Location Information ~~
Tshp 24S, Rng 34E, Sections 13, 24
Lea County, NM

Feet
0 10 20
1 inch = 12 feet *1:140*

Note: For reference only. Not for legal use. Duplication by permission only.

Chloride Field Testing Results

Well name: COG SOMBRERO Date: 3-1-2024

Legals: _____ Time: 12:40 P

Media Type: Circle one: (SOIL) / WATER

TEST #1

QUAN TAB
Chloride Test Strip Reading: HIGH RANGE N/A

Match reading above to Conversion value and record: _____

Multiply converted value by 4: N/A ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility) NO RESULTS CLOGGED - STRIP.

Print Name: RUSSELL HOUDEN. Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG. SOMBRERO INCIDENT Date: 3-1-2024

Legals: TEST #2 Time: 12:32 P.

Media Type: Circle one: (SOIL) / WATER

TEST #2

QUAN TAB
Chloride Test Strip Reading: HIGH RANGE 1.6 LOW RANGE 416

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 183 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT TEST-3 Date: 3-1-2024

Legals: _____ Time: 12:22 pm

Media Type: Circle one: (SOIL) / WATER TEST #3

HACH QUANTAB. HIGH RANGE.
Chloride Test Strip Reading: X 5.6

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1335 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-1-2024

Legals: _____ Time: 10:45 A

Media Type: Circle one: (SOIL) / WATER TEST #4

QUANTAB HIGH RANGE
Chloride Test Strip Reading: 5.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1444 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-1-2024

Legals: _____ Time: 1:53 P

Media Type: Circle one: (SOIL) / WATER TEST #5

QUANTAB HR
Chloride Test Strip Reading: HIGH RANGE 6.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1563 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-1-2024

Legals: _____ Time: 1:55

Media Type: Circle one: (SOIL) / WATER TEST #6

Chloride Test Strip Reading: 1.0 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility) NOT LISTED ON CHART.

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-1-2024

Legals: _____ Time: 3:20 P

Media Type: Circle one: (SOIL) / WATER

TEST #7

HACH QUANTAB
Chloride Test Strip Reading: HIGH RANGE 7.8

Match reading above to Conversion value and record:

Multiply converted value by 4: 3366 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-1-2024

Legals: _____ Time: 3:25 P

Media Type: Circle one: (SOIL) / WATER

TEST #8

HACH QUANTAB
Chloride Test Strip Reading: HIGH RANGE 60

Match reading above to Conversion value and record:

Multiply converted value by 4: 1563 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-4-2024

Legals: Time: 8:00A

Media Type: Circle one: (SOIL) / WATER TEST # 9

QUANTAB
Chloride Test Strip Reading: HIGH RANGE 4.8

Match reading above to Conversion value and record:

Multiply converted value by 4: 972 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOSDEN Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-4-2024

Legals: Time: ~~9:00A~~ 10:15A

Media Type: Circle one: (SOIL) / WATER TEST # 10

QUANTAB
Chloride Test Strip Reading: 0.4 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility) BELOW CHART LEVELS

Print Name: Job title:

Signature:

APPROX 3' 4" BELOW GRADE @ CALICHE.

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-4-2024

Legals: _____ Time: 11:00 A

Media Type: Circle one: (SOIL) / WATER TEST #11

QUANTAB.

Chloride Test Strip Reading: MIGH RANGE 7.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2559 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HAYDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-4-2024

Legals: _____ Time: 11:00 A

Media Type: Circle one: (SOIL) / WATER

Chloride Test Strip Reading: 0.6 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility) NOT ON CHART

Print Name: RUSSELL HAYDEN. Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-4-2024

Legals: _____

Time: 11:45

Media Type: Circle one: (SOIL) / WATER

TEST #13

Chloride Test Strip Reading: HIGH RANGE 5-8

Match reading above to Conversion value and record:

Multiply converted value by 4: 1444 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title: _____

Signature: _____

@CALICHE, APPROX 1 FOOT DEEP.

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-4-2024

Legals: _____

Time: 1:00 P

Media Type: Circle one: (SOIL) / WATER

TEST #14

Chloride Test Strip Reading: HIGH RANGE. 6.8

Match reading above to Conversion value and record:

Multiply converted value by 4: 2159 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title: _____

Signature: _____

APPROX 4'-6" BELOW GRADE.

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT. Date: 3-4-2024

Legals: _____ Time: 3:45 P

Media Type: Circle one: (SOIL) / WATER TEST #15

Chloride Test Strip Reading: HIGH RANGE 7.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2348 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HAYDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-4-2024

Legals: _____ Time: 3:45 P.

Media Type: Circle one: (SOIL) / WATER TEST #16

Chloride Test Strip Reading: HIGH RANGE 6.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1692 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HAYDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-4-2024

Legals: _____ Time: 4:10 p

Media Type: Circle one: (SOIL) / WATER TEST #17

Chloride Test Strip Reading: HIGH RANGE 9.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 6688 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HODEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-4-2024

Legals: _____ Time: 4:10 p

Media Type: Circle one: (SOIL) / WATER TEST #18

Chloride Test Strip Reading: HIGH RANGE 6.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2159 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HODEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO WC1 0&WT

Date: 3-4-2024

Legals:

Time: 4:30

Media Type: Circle one: (SOIL) / WATER

TEST #19

Chloride Test Strip Reading: HIGH RANGE 7.2

Match reading above to Conversion value and record:

Multiply converted value by 4: 2559 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-4-2024

Legals:

Time: 4:30

Media Type: Circle one: (SOIL) / WATER

TEST #20

Chloride Test Strip Reading: HIGH RANGE 7.4

Match reading above to Conversion value and record:

Multiply converted value by 4: 2796 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN.

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-5-2024

Legals: _____ Time: 10:45 A

Media Type: Circle one: (SOIL) / WATER

TEST #21
14" DEEP @ CALICHE

Chloride Test Strip Reading: HIGH RANGE NO READING

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-5-2024

Legals: _____ Time: 10:45 A

Media Type: Circle one: (SOIL) / WATER

TEST #22
12" DEEP @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 7.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2559 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-5-2024

Legals: _____ Time: 10:45 A

Media Type: Circle one: (SOIL) / WATER TEST #23 14" DEEP @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 7.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2348 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HALDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-5-2024

Legals: _____ Time: 10:45 A

Media Type: Circle one: (SOIL) / WATER TEST #24 14" DEEP @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 3.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 639 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HALDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-5-2024

Legals: _____ Time: 11:45 A.

TEST #25
10" DEEP

Media Type: Circle one: (SOIL) / WATER

Chloride Test Strip Reading: HIGH RANGE 0.0 / 0.4 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HONDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-5-2024

Legals: _____ Time: 11:45A

TEST #26
6" DEEP

Media Type: Circle one: (SOIL) / WATER

Chloride Test Strip Reading: HIGH RANGE 0.0 / 0.2 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HONDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-5-2024

Legals: _____ Time: 11:45 A

TEST # 27
10" DEEP.

Media Type: Circle one: ~~SOIL~~ / WATER

Chloride Test Strip Reading: HIGH RANGE 0.0 / 1.2 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-5-2024

Legals: _____ Time: 1:00p

TEST # 28
6" DOWN

Media Type: Circle one: SOIL / WATER

Chloride Test Strip Reading: HIGH RANGE NO READING

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 03-5-2024

Legals: _____ Time: 1:00 PM

Media Type: Circle one: (SOIL) / WATER

TEST # 29
2" DOWN

Chloride Test Strip Reading: HIGH RANGE 0.3 / 0.8 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-5-2024

Legals: _____ Time: 1:00 PM

Media Type: Circle one: (SOIL) / WATER

TEST # 30
2" DOWN

Chloride Test Strip Reading: HIGH RANGE 6.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1962 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: Coq Sombrero

Date: @ 3-5-2024

Legals:

Time: 2:15p

Media Type: Circle one: (SOIL) / WATER

TEST # 31

16" DOWN @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 0.0 / 0.2 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russell Houden

Job title:

Signature:

Chloride Field Testing Results

Well name: Coq Sombrero

Date: 3-5-2024

Legals:

Time: 2:15p

Media Type: Circle one: (SOIL) / WATER

TEST # 32

12" DOWN @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 0.0 / 0.2 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russell Houden

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO

Date: 3-5-2024

Legals:

Time: 2:15 p

Media Type: Circle one: (SOIL) / WATER

TEST # 33
12" DOWN

Chloride Test Strip Reading: HIGH RANGE 0.0 / 0.4 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-5-2024

Legals:

Time: 3:30 p.

Media Type: Circle one: (SOIL) / WATER

TEST # 34
12" DOWN

Chloride Test Strip Reading: HIGH RANGE 6.6

Match reading above to Conversion value and record:

Multiply converted value by 4: 2073 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-5-2024

Legals:

Time: 3:30 p

Media Type: Circle one: (SOIL) / WATER

TEST # 35
9" Down

Chloride Test Strip Reading: HIGH RANGE 0.0 / 0.0 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: — ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-5-2024

Legals:

Time: 3:30 p

Media Type: Circle one: (SOIL) / WATER

TEST # 36
8" Down

Chloride Test Strip Reading: HIGH RANGE 5.2

Match reading above to Conversion value and record:

Multiply converted value by 4: 1191 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-5-2024

Legals: _____ Time: 3:30 p

Media Type: Circle one: (SOIL) / WATER

TEST # 37
10" DOWN

Chloride Test Strip Reading: HIGH RANGE 0.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-5-2024

Legals: _____ Time: 4:20 p

Media Type: Circle one: (SOIL) / WATER

TEST 38
24" DOWN

Chloride Test Strip Reading: HIGH RANGE 7.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 3494 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-5-2024

Legals:

Time: 4:20 P

TEST #38

4" DOWN - CARRIAGE

Media Type:

Circle one: (SOIL) / WATER

Chloride Test Strip Reading: HIGH RANGE 58

Match reading above to Conversion value and record:

Multiply converted value by 4: 1508 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSS HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-5-2024

Legals:

Time: 4:20 P

TEST #40

16" DOWN

Media Type:

Circle one: SOIL / WATER

Chloride Test Strip Reading: HIGH RANGE 6.8

Match reading above to Conversion value and record:

Multiply converted value by 4: 2250 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: CoG Sombrero Incident

Date: 3-5-2024

Legals:

Time: 4:30

Media Type:

Circle one: SOIL / WATER

Test #41
36" Down.

Chloride Test Strip Reading: High Range 8.0

Match reading above to Conversion value and record:

Multiply converted value by 4: 3851 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russell Hovden

Job title:

Signature:

Chloride Field Testing Results

Well name:

Date:

Legals:

Time:

Media Type:

Circle one: SOIL / WATER

Chloride Test Strip Reading:

Match reading above to Conversion value and record:

Multiply converted value by 4: ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name:

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-6-2024

Legals: _____ Time: 8:50 A

Media Type: Circle one: (SOIL) / WATER TEST # 42 16" DOWN

Chloride Test Strip Reading: HIGH RANGE 6.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1632 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-6-2024

Legals: _____ Time: 8:50 A

Media Type: Circle one: (SOIL) / WATER TEST # 43 48" DOWN

Chloride Test Strip Reading: HIGH RANGE 6.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1764 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-6-2024

Legals: _____ Time: 8:50 A

Media Type: Circle one: (SOIL) / WATER

TEST # 44
12" DOWN

Chloride Test Strip Reading: UNABLE TO TEST SAMPLE. TRIED TWICE. [ ]

Match reading above to Conversion value and record: [ ]

Multiply converted value by 4: [ ] ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 03-06-2024

Legals: _____ Time: 8:50 A

Media Type: Circle one: (SOIL) / WATER

TEST # 45
24" DOWN

Chloride Test Strip Reading: HIGH RANGE [6.6]

Match reading above to Conversion value and record: [ ]

Multiply converted value by 4: [2073] ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-6-2024

Legals: Time: 9:30 A

Media Type: Circle one: (SOIL) / WATER

TEST # 46
20" DOWN

Chloride Test Strip Reading: HIGH RANGE 6.4

Match reading above to Conversion value and record:

Multiply converted value by 4: 1913 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOVDEN Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-6-2024

Legals: Time: 9:30 A

Media Type: Circle one: SOIL / WATER

TEST #47
18" DOWN

Chloride Test Strip Reading: HIGH RANGE 7.2

Match reading above to Conversion value and record:

Multiply converted value by 4: 2664 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOVDEN Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-6-2024

Legals: _____ Time: 11:00 A

Media Type: Circle one: (SOIL) / WATER TEST #48 24" DOWN

Chloride Test Strip Reading: 7.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2664 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HAYDEN Job title: _____

Signature: _____ OVER PILOT 16" @ 45 BEND.

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-6-2024

Legals: _____ Time: _____

Media Type: Circle one: (SOIL) / WATER TEST #49 10" DOWN

Chloride Test Strip Reading: 1.8 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 40 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HAYDEN. Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-6-2024

Legals:

Time: 12:50 P

Media Type:

Circle one: (SOIL) / WATER

TEST #50
30" DOWN OVER PLAINS LINE

Chloride Test Strip Reading: 3.8 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: 130 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-6-2024

Legals:

Time: 1:00P

Media Type:

Circle one: (SOIL) / WATER

TEST #51
4" DOWN OVER PLAINS LINE

Chloride Test Strip Reading: HIGH RANGE 6.2

Match reading above to Conversion value and record:

Multiply converted value by 4: 1766 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-6-2024

Legals: _____ Time: 1:30 P

Media Type: Circle one: (SOIL) / WATER TEST 52 4" DOWN

Chloride Test Strip Reading: 0.8 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 3.2 ppm CHART 58

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HAYDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-6-2024

Legals: _____ Time: 2:00 P

Media Type: Circle one: (SOIL) / WATER TEST # 53 72" DOWN

Chloride Test Strip Reading: HIGH RANGE 6.6

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2073 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSEL HAYDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-6-2024

Legals:

Time: 3:00 P

TEST 54

10" DEEPER

Media Type:

Circle one: (SOIL) / WATER

Chloride Test Strip Reading:

HIGH RANGE | 5.8

Match reading above to Conversion value and record:

Multiply converted value by 4: | 508 | ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN

Job title:

Signature:

AFTER SECOND PASS

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-6-2024

Legals:

Time: 3:00 P

TEST 55

& DEEPER

Media Type:

Circle one: (SOIL) / WATER

Chloride Test Strip Reading:

HIGH RANGE | 7.0

Match reading above to Conversion value and record:

Multiply converted value by 4: | 2446 | ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN

Job title:

Signature:

AFTER SECOND PASS

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-6-2024

Legals:

Time: 3:20

Media Type:

Circle one: (SOIL) / WATER

TEST #56
12" DEEPER

Chloride Test Strip Reading:

HIGH RANGE 7.0

Match reading above to Conversion value and record:

Multiply converted value by 4: 2446 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN

Job title:

Signature:

AFTER SECOND PASS

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT.

Date: 3-6-2024

Legals:

Time: 3:30 P

Media Type:

Circle one: (SOIL) / WATER

TEST #57
20" DEEPER AFTER SECOND PASS.

Chloride Test Strip Reading:

HIGH RANGE / 7.6 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: 539 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN

Job title:

Signature:

10" DEEPER THAN TEST #54
IN SAME LOCATION,
DOWN TO CALICHE.

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-7-2024

Legals:

Time: 9:50 A

Media Type:

Circle one: (SOIL) / WATER

TEST - 60
SURFACE READING

Chloride Test Strip Reading:

HIGH RANGE 8.4

Match reading above to Conversion value and record:

Multiply converted value by 4: 4746 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-7-2024

Legals:

Time: 9:50 A

Media Type:

Circle one: (SOIL) / WATER

TEST - 61
SURFACE

Chloride Test Strip Reading: 0.8 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN.

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 10:00

Media Type: Circle one: (SOIL) / WATER TEST - 62

SURFACE.

Chloride Test Strip Reading: HIGH RANGE 6.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1632 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOVDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT. Date: 3-7-2024

Legals: _____ Time: 10:20

Media Type: Circle one: (SOIL) / WATER TEST - 63

SURFACE

Chloride Test Strip Reading: 3.2 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 98 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOVDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: _____

Media Type: Circle one: (SOIL) / WATER TEST - 64 SURFACE

Chloride Test Strip Reading: 0.8 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: _____

Media Type: Circle one: (SOIL) / WATER TEST - 65 32" DOWN

Chloride Test Strip Reading: HIGH RANGE 3.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 498 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN. Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 10:00

Media Type: Circle one: (SOIL) / WATER

TEST - 66
SURFACE

Chloride Test Strip Reading: 0.8 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT CONVERTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 10:20

Media Type: Circle one: (SOIL) / WATER

TEST - 67
84" DOWN @ CALICHE

Chloride Test Strip Reading: 1/14 RANGE 6.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 11:15

Media Type: Circle one: (SOIL) / WATER TEST 68 SURFACE

Chloride Test Strip Reading: HIGH RANGE 5.4

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1289 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HAVDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 11:15

Media Type: Circle one: (SOIL) / WATER TEST 69 SURFACE

Chloride Test Strip Reading: 0.8 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT ppm CHARTED.

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HAVDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: Coh Sombrero Incident

Date: 3-7-2024

Legals:

Time: 11:20

Media Type: Circle one: (SOIL) / WATER

Test 70
20" Below Existing Condition @ Caliche.

Chloride Test Strip Reading: High Range 6.6

Match reading above to Conversion value and record:

Multiply converted value by 4: 2073 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russell Hayden

Job title:

Signature:

Chloride Field Testing Results

Well name: Coh Sombrero Incident

Date: 3-7-2024

Legals:

Time: 11:20

Media Type: Circle one: (SOIL) / WATER

Test - 71
66" Down.

Chloride Test Strip Reading: High Range 6.4

Match reading above to Conversion value and record:

Multiply converted value by 4: 1913 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russell Hayden

Job title:

Signature:

Chloride Field Testing Results

Well name: CoG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 12:40

Media Type: Circle one: (SOIL) / WATER

TEST 72
60" DOWN @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 1.4

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 12:40

Media Type: Circle one: (SOIL) / WATER

TEST 73
22" DOWN @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 3.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 498 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 12:40

Media Type: Circle one: (SOIL) / WATER

TEST 74
66" DOWN TO CALICHE

Chloride Test Strip Reading: HIGH RANGE 5.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1508 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSS HAYDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 12:40

Media Type: Circle one: (SOIL) / WATER

TEST 75
48" DOWN TO CALICHE

Chloride Test Strip Reading: HIGH RANGE 7.6

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 3182 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSS HAYDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 1:45

Media Type: Circle one: (SOIL) / WATER

TEST 76
60" DOWN @ CHLORIDE

Chloride Test Strip Reading: HIGH RANGE 7.6

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 3182 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 1:45

Media Type: Circle one: (SOIL) / WATER

TEST 77
4" DOWN @ CHLORIDE

Chloride Test Strip Reading: HIGH RANGE 7.4

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2908 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 1:45

Media Type: Circle one: (SOIL) / WATER TEST 78 3½" DOWN @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 7.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 28804 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 1:45

Media Type: Circle one: (SOIL) / WATER TEST - 79 78" DOWN @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 0.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: — ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN. Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO Date: 3-7-2024

Legals: _____ Time: 2:00

Media Type: Circle one: (SOIL) / WATER

TEST. 80 @ 6'6" DOWN

Chloride Test Strip Reading: HIGH RANGE 1.2 / 3.4 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT CHARTED / 108 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO Date: 3-7-2024

Legals: _____ Time: 2:00

Media Type: Circle one: (SOIL) / WATER

TEST. 81 16' DEEP @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 7.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2446 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 3:45

Media Type: Circle one: (SOIL) / WATER

TEST 82
@ 42" DOWN

Chloride Test Strip Reading: HIGH RANGE 6.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1760 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility) @ 66" DOWN = 0.4 ON LOW RANGE STRIP.

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 3:45

Media Type: Circle one: (SOIL) / WATER

TEST 83
24" DOWN @ CHLORIDE.

Chloride Test Strip Reading: HIGH RANGE 6.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2250 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-7-2024

Legals:

Time: 3:50

Media Type: Circle one: (SOIL) / WATER

TEST E4
3' DOWN @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 3.6

Match reading above to Conversion value and record:

Multiply converted value by 4: 605 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-7-2024

Legals:

Time: 3:50

Media Type: Circle one: (SOIL) / WATER

TEST E5
3' DOWN @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 6.0

Match reading above to Conversion value and record:

Multiply converted value by 4: 1632 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: Ocd Sombrero Incident Date: 3-7-2024

Legals: Time:

Media Type: Circle one: SOIL / WATER

TEST 86 @ 32" Down

Chloride Test Strip Reading: 2.8 Low Range

Match reading above to Conversion value and record:

Multiply converted value by 4: ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russell Hoiden Job title:

Signature:

Contractor already stripped to this depth.

Chloride Field Testing Results

Well name: Ocd Sombrero Incident Date: 3-7-2024

Legals: Time:

Media Type: Circle one: SOIL / WATER

TEST 87 26" Down

Chloride Test Strip Reading: 0.6 Low Range

Match reading above to Conversion value and record:

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russ Hoiden Job title:

Signature:

Contractor already stripped to this depth.

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3.8.2024

Legals: _____ Time: 8:30

Media Type: Circle one: (SOIL) / WATER TEST 88
60" DOWN @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 6.4

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1913 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 8:30

Media Type: Circle one: (SOIL) / WATER TEST 89
48" DOWN @ CALICHE

Chloride Test Strip Reading: HIGH RANGE 6.4

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1913 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 8:30

Media Type: Circle one: (SOIL) / WATER TEST 90
32" DOWN @ CALICHE

Chloride Test Strip Reading: 1.0 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HAYDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO Date: 3-8-2024

Legals: _____ Time: 9:00

Media Type: Circle one: (SOIL) / WATER TEST 91

Chloride Test Strip Reading: 0.0 NO READING LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HAYDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 9:00

Media Type: Circle one: (SOIL) / WATER TEST 92 48" DEEP

Chloride Test Strip Reading: 0.0 NO READING LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO Date: 3-8-2024

Legals: _____ Time: 9:30

Media Type: Circle one: (SOIL) / WATER TEST 93 SURFACE

Chloride Test Strip Reading: 0.2 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: — ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: 8-COG SOMBRERO Date: 3-8-2024

Legals: Time: 9:30

Media Type: Circle one: (SOIL) / WATER TEST 94 SURFACE

Chloride Test Strip Reading: 0.6 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: — ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: Time: 11:10

Media Type: Circle one: (SOIL) / WATER TEST 95

60" DOWN
12" INTO ROTTED (SOFT) CALICHE

Chloride Test Strip Reading: 4.0 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: 143 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title:

Signature: SAME LOCATION AS TEST 89

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 10:40

Media Type: Circle one: (SOIL) / WATER TEST 96 SURFACE

Chloride Test Strip Reading: NO READING 0.0 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 1040

Media Type: Circle one: (SOIL) / WATER TEST 97 SURFACE

Chloride Test Strip Reading: NO READING 0.0 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-08-2024

Legals: _____ Time: 10:45

Media Type: Circle one: (SOIL) / WATER

Chloride Test Strip Reading: HIGH RANGE 68

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2250 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOVDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 10:45

Media Type: Circle one: SOIL / WATER

Chloride Test Strip Reading: 7.0 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 435 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOVDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 12:30

Media Type: Circle one: (SOIL) / WATER TEST 100 SURFACE

Chloride Test Strip Reading: HIGH RANGE 4.0 | 8.2 | LOW RANGE

Match reading above to Conversion value and record: | |

Multiply converted value by 4: 726. | OVER 626 | ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 12:30

Media Type: Circle one: (SOIL) / WATER TEST 101 SURFACE

Chloride Test Strip Reading: | 4.8 |

Match reading above to Conversion value and record: | |

Multiply converted value by 4: | 98 | ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO LUCIDUS Date: 3-8-2024

Legals: _____ Time: 12:30

Media Type: Circle one: (SOIL) / WATER TEST 102 SURFACE

Chloride Test Strip Reading: 04 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO Date: 3-8-2024

Legals: _____ Time: 12:30

Media Type: Circle one: (SOIL) / WATER TEST 103 SURFACE

Chloride Test Strip Reading: HIGH RANGE 5.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1M ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: _____ Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-08-2024

Legals: _____ Time: 12:45

Media Type: Circle one: (SOIL) / WATER TEST 104 SURFACE

Chloride Test Strip Reading: NO READING 0.0 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 12:45

Media Type: Circle one: (SOIL) / WATER TEST 106 SURFACE

Chloride Test Strip Reading: HIGH RANGE 6.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2250 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 12:45

Media Type: Circle one: (SOIL) / WATER TEST 106 SURFACE

Chloride Test Strip Reading: 0.6 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO Date: 3-8-2024

Legals: _____ Time: 12:45

Media Type: Circle one: (SOIL) / WATER TEST 107 2-3 INCHES INTO HARD CALICHE

Chloride Test Strip Reading: HIGH RANGE 6.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1632 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: Coq Sombrero Incident Date: 3-8-2024

Legals: Time: 2:20

Media Type: Circle one: (SOIL) / WATER TEST 108 SURFACE

Chloride Test Strip Reading: HIGH RANGE 5.8

Match reading above to Conversion value and record:

Multiply converted value by 4: 1508 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russell Houden Job title:

Signature:

Chloride Field Testing Results

Well name: Coq Sombrero Incident Date: 3-8-2024

Legals: Time: 2:20

Media Type: Circle one: (SOIL) / WATER TEST 109 SURFACE

Chloride Test Strip Reading: 0.8 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russell Houden Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 2:20

Media Type: Circle one: (SOIL) / WATER TEST 110 CALICHE TEST TOP OF CALICHE LAYER

Chloride Test Strip Reading: HIGH RANGE [4.8]

Match reading above to Conversion value and record: [ ]

Multiply converted value by 4: [1015] ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 2:20

Media Type: Circle one: (SOIL) / WATER TEST 111 SURFACE

Chloride Test Strip Reading: NO READING [0.0] LOW RANGE

Match reading above to Conversion value and record: [ ]

Multiply converted value by 4: [—] ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 2:20

Media Type: Circle one: (SOIL) / WATER TEST 112 SURFACE

Chloride Test Strip Reading: 0.0 NO READING LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HALDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 2:20

Media Type: Circle one: (SOIL) / WATER TEST 113 CALICHE TEST APPROX 16" BELOW SURFACE @ ~~START~~ @ TOP OF CALICHE

Chloride Test Strip Reading: 0.4 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NOT CHARTED ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HALDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: CG SOMBRERO INCIDENT Date: 3-8-2024

Legals: _____ Time: 2:40

Media Type: Circle one: (SOIL) / WATER TEST 114 SURFACE

Chloride Test Strip Reading: HIGH RANGE 7.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility) RIGHT NEXT TO TEST 109

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: _____ Date: _____

Legals: _____ Time: _____

Media Type: Circle one: SOIL / WATER

Chloride Test Strip Reading: _____

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: _____ Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 9:30

Media Type: Circle one: (SOIL) / WATER TEST 115 SURFACE

Chloride Test Strip Reading: HIGH RANGE 3.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 6.64 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 9:30

Media Type: Circle one: (SOIL) / WATER TEST 116 SURFACE

Chloride Test Strip Reading: HIGH RANGE 6.6

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2073 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 9:30

Media Type: Circle one: (SOIL) / WATER TEST 117
20" DOWN

Chloride Test Strip Reading: HIGH RANGE 3.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 498 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-7-2024

Legals: _____ Time: 9:30

Media Type: Circle one: (SOIL) / WATER TEST 118
22" DOWN 2" INTO CALICHE

Chloride Test Strip Reading: HIGH RANGE 4.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1015 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 9:30

Media Type: Circle one: (SOIL) / WATER TEST 119 SURFACE

Chloride Test Strip Reading: HIGH RANGE 1-6

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 9:30

Media Type: Circle one: (SOIL) / WATER TEST 120 SURFACE

Chloride Test Strip Reading: HIGH RANGE 4-8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1015 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 9:30

Media Type: Circle one: (SOIL) / WATER TEST 121 3.6" DOWN

Chloride Test Strip Reading: HIGH RANGE 3.4

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 550 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 9:30

Media Type: Circle one: (SOIL) / WATER TEST 122 @ SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.4

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 9:30

Media Type: Circle one: (SOIL) / WATER TEST 123 SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273. ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 9:30

Media Type: Circle one: SOIL / WATER TEST 124 SURFACE

Chloride Test Strip Reading: HIGH RANGE 7.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2446 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN. Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 11:00

Media Type: Circle one: (SOIL) / WATER TEST 125 12" DOWN & 2" INTO CALICHE

Chloride Test Strip Reading: HIGH RANGE 3.8 / 8.0 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 636 / OVER 619 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOWDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 11:00

Media Type: Circle one: (SOIL) / WATER TEST 126 12" DOWN & 2" INTO CALICHE

Chloride Test Strip Reading: HIGH RANGE 4.6 / _____ LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 896 / _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOWDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 11:00

Media Type: Circle one: (SOIL) / WATER TEST 127 10" DOWN & 2" INTO CALICHE

Chloride Test Strip Reading: HIGH RANGE 3.4 / 7.6 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 528 / 576 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 11:00

Media Type: Circle one: (SOIL) / WATER TEST 128 4" DOWN

Chloride Test Strip Reading: HIGH RANGE NO READING 0.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: LESS THAN 273. ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 11:00

Media Type: Circle one: (SOIL) / WATER TEST 129 3" DOWN

Chloride Test Strip Reading: HIGH RANGE NO-REDDOWN 0.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: LESS THAN 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO Date: 3-9-2024

Legals: _____ Time: 11:40

Media Type: Circle one: (SOIL) / WATER TEST 130 3" DOWN

Chloride Test Strip Reading: HIGH RANGE 5.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1444 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 1:20

Media Type: Circle one: (SOIL) / WATER TEST 131 SURFACE

Chloride Test Strip Reading: HIGH RANGE 3.6

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 605 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 1:20

Media Type: Circle one: (SOIL) / WATER TEST 132 18" DOWN

Chloride Test Strip Reading: 1.6 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 37 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 1:20

Media Type: Circle one: SOIL / WATER TEST 133 12" DOWN

Chloride Test Strip Reading: 2.4 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 65 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: _____

Media Type: Circle one: (SOIL) / WATER TEST 134 24" DOWN

Chloride Test Strip Reading: 2.0 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 50 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 1:45

Media Type: Circle one: (SOIL) / WATER TEST 135 SURFACE

Chloride Test Strip Reading: HIGH RANGE NO READING 0.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 1:45

Media Type: Circle one: (SOIL) / WATER TEST 136 30" DOWN

Chloride Test Strip Reading: NO READING 06 LOW RANGE

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 32 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-9-2024

Legals: _____ Time: 2:45

Media Type: Circle one: (SOIL) / WATER TEST 137 24" DOWN

Chloride Test Strip Reading: HIGH RANGE NO READING 0.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: UNDER 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN. Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3.9.2024

Legals: _____ Time: 2:45

Media Type: Circle one: (SOIL) / WATER TEST 138

Chloride Test Strip Reading: HIGH RANGE 4.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 791 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-4-2024

Legals: _____ Time: 3:30

Media Type: Circle one: (SOIL) / WATER TEST 1B 8" Down

Chloride Test Strip Reading: HIGH RANGE NO REACTION [00]

Match reading above to Conversion value and record: [ ]

Multiply converted value by 4: [WATER 273] ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: _____ Date: _____

Legals: _____ Time: _____

Media Type: Circle one: SOIL / WATER

Chloride Test Strip Reading: [ ]

Match reading above to Conversion value and record: [ ]

Multiply converted value by 4: [ ] ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: _____ Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-13-2024

Legals: _____ Time: 1:00

Media Type: Circle one: (SOIL) / WATER

TEST 1/4 @ SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-13-2024

Legals: _____ Time: _____

Media Type: Circle one: (SOIL) / WATER

TEST 1/4 @ SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-13-2024

Legals: _____ Time: 1:00

TEST 142
@ SURFACE

Media Type: Circle one: (SOIL) / WATER

Chloride Test Strip Reading: HIGH RANGE 0.0

Match reading above to Conversion value and record:

Multiply converted value by 4: BELOW ppm

B 273

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-13-2024

Legals: _____ Time: 1:00

TEST 143
@ CALICHE - 52" DOWN

Media Type: Circle one: (SOIL) / WATER

Chloride Test Strip Reading: BELOW RANGE 10

Match reading above to Conversion value and record:

Multiply converted value by 4: BELOW ppm

273

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-13-2024

Legals:

Time: 1:00

TEST 144 @ SURFACE

Media Type:

Circle one: SOIL / WATER

Chloride Test Strip Reading: HIGH RANGE — 00

Match reading above to Conversion value and record:

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-13-2024

Legals:

Time: 1:00

TEST 145 @ SURFACE

Media Type:

Circle one: SOIL / WATER

Chloride Test Strip Reading: HIGH RANGE — 00

Match reading above to Conversion value and record:

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: CG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 1:10

Media Type: Circle one: (SOIL) / WATER

TEST 146 @ SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOWDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: CG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 1:10

Media Type: Circle one: (SOIL) / WATER

TEST 147 @ SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOWDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOUTHEAST INCIDENT Date: 3-13-2024

Legals: _____ Time: 1:10

Media Type: Circle one: (SOIL) / WATER

TEST #48 @ CALICHE @ 14" DOWN

Chloride Test Strip Reading: HIGH RANGE 58

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1508 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOWARD Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOUTHEAST INCIDENT Date: 3-13-2024

Legals: _____ Time: 1:15

Media Type: Circle one: (SOIL) / WATER

TEST #49 @ SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.4

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOWARD Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: Cch Simpson Incident

Date: 5-13-2024

Legals:

Time: 1:15

Media Type: Circle one: (SOIL) / WATER

TEST 150 @ Caliche 58" Down

Chloride Test Strip Reading: Mid Range — 0.2

Match reading above to Conversion value and record:

Multiply converted value by 4: Below 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russell Hoover

Job title:

Signature:

Chloride Field Testing Results

Well name: Cch-Simpson Incident

Date: 5-15-2024

Legals:

Time: 1:15

Media Type: Circle one: (SOIL) / WATER

TEST 151 @ Surface

Chloride Test Strip Reading: Mid Range — 0.0

Match reading above to Conversion value and record:

Multiply converted value by 4: Below 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russell Hoover

Job title:

Signature:

Chloride Field Testing Results

Well name: Cox Schlicht Lateral

Date: 3-13-2024

Legals:

Time: 1:50

Media Type:

Circle one: (SOIL) / WATER

TEST 152
SURFACE

Chloride Test Strip Reading:

Hach Range: 0.0

Match reading above to Conversion value and record:

Multiply converted value by 4: Below 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russell Hayden

Job title:

Signature:

Chloride Field Testing Results

Well name: Cox Schlicht Lateral

Date: 3-13-2024

Legals:

Time: 1:50

Media Type:

Circle one: (SOIL) / WATER

TEST ~~154~~ 153
~~Chloride~~ ~~36" Point~~
SURFACE

Chloride Test Strip Reading:

Hach Range: 0.0

Match reading above to Conversion value and record:

Multiply converted value by 4: Below 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: Russell Hayden

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-13-2024

Legals:

Time: 1 PM

Media Type: Circle one: (SOIL) / WATER

TEST ~~#5~~ 154
CALICHE 36" DOWN

Chloride Test Strip Reading: Weak Positive — 7-8

Match reading above to Conversion value and record:

Multiply converted value by 4: 3494 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEK

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-13-2024

Legals:

Time: 1 PM

Media Type: Circle one: (SOIL) / WATER

TEST ~~#6~~ 155
@ SURFACE

Chloride Test Strip Reading: Weak Positive — 0.6

Match reading above to Conversion value and record:

Multiply converted value by 4: 3000 ppm
273

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEK

Job title:

Signature:

Chloride Field Testing Results

Well name: COL SOMBRERO INCIDENT Date: 3-13-2024

Legals: _____ Time: 2:00

Media Type: Circle one: (SOIL) / WATER TEST 156

Chloride Test Strip Reading: HIGH RANGE 0.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COL SOMBRERO INCIDENT Date: 3-13-2024

Legals: _____ Time: 2:00

Media Type: Circle one: (SOIL) / WATER @ CALICHE - 60" DOWN TEST 157

Chloride Test Strip Reading: HIGH TRACE 1.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: C64 SOMBRERO INCIDENT

Date: 3-13-2024

Legals:

Time: 2:00

Media Type: Circle one: (SOIL) / WATER

TEST 158
6" DEPTH

Chloride Test Strip Reading:

HIGH RANGE | 0.0

Match reading above to Conversion value and record:

Multiply converted value by 4: BELOW | ppm

273

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOODEN

Job title:

Signature:

Chloride Field Testing Results

Well name: C64 SOMBRERO INCIDENT

Date: 3-13-2024

Legals:

Time: 2:00

Media Type: Circle one: (SOIL) / WATER

TEST ~~#~~ 159
SURFACE

Chloride Test Strip Reading:

HIGH RANGE | 0.8

Match reading above to Conversion value and record:

Multiply converted value by 4: BELOW | ppm

273

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOODEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-13-2024

Legals: _____ Time: 2:00

Media Type: Circle one: (SOIL) / WATER TEST 160 SURFACE

Chloride Test Strip Reading: HIGH RANGE 8.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 6607 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-13-2024

Legals: _____ Time: 2:00

Media Type: Circle one: (SOIL) / WATER TEST 161 @ SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.4

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BLANK 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-13-2024

Legals:

Time: 2:10

Media Type: Circle one: SOIL / WATER

TEST 162
SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.0

Match reading above to Conversion value and record:

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOWDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-13-2024

Legals:

Time: 2:10

Media Type: Circle one: SOIL / WATER

TEST 163
SURFACE

Chloride Test Strip Reading: HIGH RANGE 20

Match reading above to Conversion value and record:

Multiply converted value by 4: BELOW 223 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOWDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-13-2024

Legals:

Time: 2:10

Media Type:

Circle one: (SOIL) / WATER

TEST 164
@ 60" DOWN

Chloride Test Strip Reading:

HIGH RANGE

6.8

Match reading above to Conversion value and record:

Multiply converted value by 4:

2250 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-13-2024

Legals:

Time: 2:10

Media Type:

Circle one: (SOIL) / WATER

TEST 165
@ SURFACE

Chloride Test Strip Reading:

HIGH RANGE

0.4

Match reading above to Conversion value and record:

Multiply converted value by 4:

BELOW 27.3 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-15-2024

Legals:

Time: 4:45

Media Type: Circle one: (SOIL) / WATER

TEST 166
SAME LOCATION AS T-143
@ 40" DOWN

Chloride Test Strip Reading: HIGH RANGE 00

Match reading above to Conversion value and record:

Multiply converted value by 4: ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HAYDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-15-2024

Legals:

Time: 4:45

Media Type: Circle one: (SOIL) / WATER

TEST 167
SAME LOCATION AS T-150
@ 46" DOWN.

Chloride Test Strip Reading: HIGH RANGE 0.0

Match reading above to Conversion value and record:

Multiply converted value by 4: ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HAYDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: CCA SOUTHBEND INCIDENT

Date: 3-13-2024

Legals:

Time: 4:45

Media Type:

Circle one: (SOIL) / WATER

TEST 168
SAME LOCATION AS TEST 168
@6" INTO CALICHE @ 20" DOWN

HIGH RANGE

Chloride Test Strip Reading: 2.2

Match reading above to Conversion value and record:

Multiply converted value by 4: 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEK

Job title:

Signature:

Chloride Field Testing Results

Well name: CCA SOUTHBEND INCIDENT

Date: 3-13-2024

Legals:

Time: 4:45

Media Type:

Circle one: (SOIL) / WATER

TEST 169
SAME LOCATION AS T-160
@CALICHE 12" DOWN

HIGH RANGE

Chloride Test Strip Reading: 7.2

Match reading above to Conversion value and record:

Multiply converted value by 4: 2664 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEK

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-14-2024

Legals:

Time: 10:10

Media Type: Circle one: (SOIL) / WATER

TEST 170
SURFACE

Chloride Test Strip Reading:

HIGH RANGE

80

Match reading above to Conversion value and record:

Multiply converted value by 4: 320 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-14-2024

Legals:

Time: 10:10

Media Type: Circle one: (SOIL) / WATER

TEST 171
24" DOWN

Chloride Test Strip Reading:

HIGH RANGE

6.2

Match reading above to Conversion value and record:

Multiply converted value by 4: 1766 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-14-2024

Legals:

Time: 10:10

TEST 172 SURFACE

Media Type: Circle one: (SOIL) / WATER

Chloride Test Strip Reading: HIGH RANGE 4.2

Match reading above to Conversion value and record:

Multiply converted value by 4: 791 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-14-2024

Legals:

Time: 10:10

TEST 173 SURFACE

Media Type: Circle one: (SOIL) / WATER

Chloride Test Strip Reading: HIGH RANGE 6.6

Match reading above to Conversion value and record:

Multiply converted value by 4: 2073 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-14-2024

Legals: _____ Time: 10:20

Media Type: Circle one: (SOIL) / WATER TEST 174 SURFACE

Chloride Test Strip Reading: HIGH RANGE 4.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 726 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-14-2024

Legals: _____ Time: 10:20

Media Type: Circle one: (SOIL) / WATER TEST 175 SURFACE

Chloride Test Strip Reading: HIGH TABLE 3.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 664 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-14-2024

Legals: _____ Time: 10:20

Media Type: Circle one: (SOIL) / WATER TEST 176 SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.4

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-14-2024

Legals: _____ Time: 10:20

Media Type: Circle one: (SOIL) / WATER TEST 177 SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.2

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: CoG SOMBRERO INCIDENT Date: 3-14-2024

Legals: _____ Time: 10:30

Media Type: Circle one: (SOIL) / WATER TEST 178 SURFACE

Chloride Test Strip Reading: HIGH RANGE | 0.0

Match reading above to Conversion value and record: | |

Multiply converted value by 4: | BELOW | ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility) 273

Print Name: RUSSELL HOVDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: CoG SOMBRERO INCIDENT Date: 3-14-2024

Legals: _____ Time: 10:30

Media Type: Circle one: (SOIL) / WATER TEST 179 SURFACE

Chloride Test Strip Reading: HIGH RANGE | 0.0

Match reading above to Conversion value and record: | |

Multiply converted value by 4: | BELOW | ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility) 273

Print Name: RUSSELL HOVDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-14-2024

Legals: _____ Time: 1030

Media Type: Circle one: (SOIL) / WATER TEST 180 SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-14-2024

Legals: _____ Time: 1030

Media Type: Circle one: (SOIL) / WATER TEST 181 SURFACE

Chloride Test Strip Reading: HIGH RANGE 0.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: BELOW 273 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-14-2024

Legals:

Time: 2:30

Media Type:

Circle one: (SOIL) / WATER

CALICHE - 182 #1 CONTROL TEST

Chloride Test Strip Reading: 0.4 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: LESS THAN 32 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HONDEN

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-14-2024

Legals:

Time: 2:30

Media Type:

Circle one: (SOIL) / WATER

CALICHE CONTROL TEST - 183 #2

Chloride Test Strip Reading: 0.8 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: LESS THAN 32 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name:

Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-14-2024

Legals:

Time: 2:30

Media Type: Circle one: SOIL / WATER

Chloride Test Strip Reading: 0.4 LOW RANGE

Match reading above to Conversion value and record:

Multiply converted value by 4: LESS THAN 32 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT

Date: 3-14-2024

Legals:

Time: 4:45

Media Type: Circle one: (SOIL) / WATER

TEST 185
4'8" DOWN NO CALICHE

Chloride Test Strip Reading: HIGH RANGE 66

Match reading above to Conversion value and record:

Multiply converted value by 4: 2073 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOLDEN Job title:

Signature:

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 10:00

Media Type: Circle one: (SOIL) / WATER

TEST 186 @ CALICHE 28" DOWN 4 INTO CALICHE

HR

Chloride Test Strip Reading:	5.6	
Match reading above to Conversion value and record:		
Multiply converted value by 4:	1394	ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDE Job title: _____

Signature: _____

@24" = 80 - 3851

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 10:00

Media Type: Circle one: (SOIL) / WATER

TEST 187 @ CALICHE - ~~36~~ DOWN - 40 - 4 INTO CALICHE

HR

Chloride Test Strip Reading:	5.0	
Match reading above to Conversion value and record:		
Multiply converted value by 4:	1100	ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

@36 - 7.4 = 2908

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 10:00

Media Type: Circle one: (SOIL) / WATER OCHICHI TEST 188 24" DOWN

Chloride Test Strip Reading: WR 0.6 / 1.4 LR

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 32 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: _____

Media Type: Circle one: (SOIL) / WATER TEST 189 OCHICHI - 60 DOWN

Chloride Test Strip Reading: WR 3.4 / 7.6 LR

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 550 / 576 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 10:00

Media Type: Circle one: (SOIL) / WATER TEST #90 @ CALICHE 72 DOWN

Chloride Test Strip Reading: HR 8.4

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 4746 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility) THIS IS WILD COMPARED TO OTHER READINGS IN AREA. ill o.v.

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 10:00

Media Type: Circle one: (SOIL) / WATER TEST #91 @ CALICHE 72 DOWN

Chloride Test Strip Reading: HR 5.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1508 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 12:20

Media Type: Circle one: (SOIL) / WATER TEST 192 DOWN 54.

Chloride Test Strip Reading: HR 6.8

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2250 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO Date: 3-15-2024

Legals: _____ Time: 12:20

Media Type: Circle one: (SOIL) / WATER TEST 193 @ SURFACE DOWN 48

Chloride Test Strip Reading: HR 7.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2446 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 12:20

Media Type: Circle one: (SOIL) / WATER TEST A4
20 DOWN — 4 INTO CALICHE

Chloride Test Strip Reading: HR 0.0 / 0.6 LR

Match reading above to Conversion value and record: _____

Multiply converted value by 4: LESS THAN 32 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO Date: 3-15-2024

Legals: _____ Time: 12:20

Media Type: Circle one: (SOIL) / WATER TEST A5
42 DOWN @ CALICHE

Chloride Test Strip Reading: HR 6.0

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 1632 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HOUDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 12:40

Media Type: Circle one: (SOIL) / WATER TEST 196 72-DOWN

Chloride Test Strip Reading: LR 0.0 / 0.6 LR

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NA / LESS THAN 32 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HENDRIX Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 1:20

Media Type: Circle one: (SOIL) / WATER TEST 197 36 ~~48~~ DOWN

Chloride Test Strip Reading: LR 0.2 / 0.8 LR

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 0. / LESS THAN 32 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HENDRIX Job title: _____

Signature: _____ @ 48 DOWN 0.6 LR LESS THAN 32

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 1:20

Media Type: Circle one: (SOIL) / WATER TEST 198 36 ~~24~~ DOWN

Chloride Test Strip Reading: HR 1.4 / 3.6 LR

Match reading above to Conversion value and record: _____

Multiply converted value by 4: NA / 126 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HANSEN Job title: _____

Signature: _____ @24 Down 4.8 HR = 1015

Chloride Field Testing Results

Well name: COG SOMBRERO INCIDENT Date: 3-15-2024

Legals: _____ Time: 1:20

Media Type: Circle one: (SOIL) / WATER TEST 199 80 Down

Chloride Test Strip Reading: HR 6.6

Match reading above to Conversion value and record: _____

Multiply converted value by 4: 2073 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSELL HANSEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: COG SOMBRERO Date: 3-15-2024

Legals: _____ Time: 1:20

Media Type: Circle one: (SOIL) / WATER TEST 200 60-Down

Chloride Test Strip Reading: HR 1.8 / 4.4 LR

Match reading above to Conversion value and record: _____

Multiply converted value by 4: HR / 181 ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: RUSSEL HOLDEN Job title: _____

Signature: _____

Chloride Field Testing Results

Well name: _____ Date: _____

Legals: _____ Time: _____

Media Type: Circle one: SOIL / WATER

Chloride Test Strip Reading: _____

Match reading above to Conversion value and record: _____

Multiply converted value by 4: _____ ppm

(If above value is < 1,000 ppm, waste should be acceptable to disposal facility)

Print Name: _____ Job title: _____

Signature: _____

TEST #	Approximate depth from natural ground	
1	6" +/-	
2	6" +/-	
3	6" +/-	
4	6" +/-	
5	surface	
6	surface	
7	6" +/-	
8	6" +/-	
9	8"	
10	40"	
11	6"	
12	6"	
13	12"	
14	54"	
15	6" +/-	
16	6" +/-	
17	surface	
18	6" +/-	
19	6" +/-	
20	6" +/-	
21	14"	top of caliche
22	12"	top of caliche
23	14"	top of caliche
24	14"	top of caliche
25	10"	
26	6"	
27	10"	
28	6"	
29	2"	
30	2"	
31	16"	top of caliche
32	12"	top of caliche
33	12"	
34	12"	
35	9"	
36	8"	
37	10"	
38	24"	
39	4"	
40	16"	
41	36"	
42	16"	
43	48"	
44	12"	

45	24"	
46	20"	
47	18"	
48	24"	
49	10"	
50	30"	over plains pipeline
51	4"	over plains pipeline
52	4"	
53	72"	
54	16"	
55	14"	
56	18"	
57	26"	
58	surface	
59	surface	
60	surface	
61	surface	
62	surface	
63	surface	
64	surface	
65	32"	
66	surface	
67	84"	top of caliche
68	surface	
69	surface	
70	38"	top of caliche
71	66"	
72	60"	top of caliche
73	22"	top of caliche
74	66"	top of caliche
75	48"	top of caliche
76	60"	top of caliche
77	44"	top of caliche
78	36"	top of caliche
79	78"	top of caliche
80	66"	
81	16"	top of caliche
82	66" LR < 30	42" HR 1766
83	24"	top of caliche
84	36"	top of caliche
85	8"	top of caliche
86	32"	
87	26"	
88	60"	top of caliche
89	48"	top of caliche
90	32"	top of caliche
91	surface	

92	48"	
93	surface	
94	surface	
95	60"	12 into caliche
96	surface	
97	surface	
98	surface	
99	surface	
100	surface	
101	surface	
102	surface	
103	surface	
104	surface	
105	surface	
106	surface	
107	38"	2" into caliche
108	surface	
109	surface	
110	23"	1" into caliche
111	surface	
112	surface	
113	16"	1" into caliche
114	surface	
115	surface	
116	surface	
117	20"	
118	22"	2" into caliche
119	surface	
120	surface	
121	36"	
122	surface	
123	surface	
124	surface	
125	12"	2" into caliche
126	12"	2" into caliche
127	10"	2" into caliche
128	4"	
129	3"	
130	3"	
131	surface	
132	18"	
133	12"	
134	24"	
135	surface	
136	30"	
137	24"	
138		

139	8"	
140	surface	
141	surface	
142	surface	
143	52"	top of caliche
144	surface	
145	surface	
146	surface	
147	surface	
148	14"	top of caliche
149	surface	
150	58"	top of caliche
151	surface	
152	surface	
153	surface	
154	36"	top of caliche
155	surface	
156	surface	
157	60"	
158	6"	
159	surface	
160	surface	
161	surface	
162	surface	
163	surface	
164	60"	
165	surface	
166	40"	
167	46"	
168	20"	6" into caliche
169	12"	
170	surface	
171	24"	
172	surface	
173	surface	
174	surface	
175	surface	
176	surface	
177	surface	
178	surface	
179	surface	
180	surface	
181	surface	
182	caliche control sample 1	
183	caliche control sample 2	
184	caliche control sample 3	
185	48"	

186	28"	4" into caliche
187	40"	4" into caliche
188	24"	
189	80"	top of caliche
190	72"	top of caliche
191	72"	top of caliche
192	54"	
193	48"	top of caliche
194	20"	4" into caliche
195	42"	top of caliche
196	72"	
197	36"	
198	36"	12" into caliche
199	80"	
200	60"	

Attachment 5 – Site Photos

Location:	Start of spill
Date:	2/26/2024
Photo Direction:	North

Location:	Spill on ROW
Date:	2/26/2024
Photo Direction:	East

Location:	Spill on ROW
Date:	2/26/2024
Photo Direction:	North

Location:	Start of drainage cleanup
Date:	2/28/2024
Photo Direction:	South

Location:	Start of drainage cleanup	Location:	Start of drainage cleanup
Date:	2/28/2024	Date:	2/28/2024
Photo Direction:	South	Photo Direction:	South

Location:	Start of drainage cleanup	Location:	Start of drainage cleanup
Date:	2/29/2024	Date:	2/29/2024
Photo Direction:	North	Photo Direction:	South

Location:	Start of cleanup ROW	Location:	Start of cleanup header
Date:	3/04/2024	Date:	3/04/2024
Photo Direction:	North	Photo Direction:	North

Location:	Start of cleanup ROW	Location:	Start of cleanup ROW
Date:	3/04/2024	Date:	3/05/2024
Photo Direction:	South	Photo Direction:	North

			
Location:	Start of cleanup drainage	Location:	Start of cleanup drainage
Date:	3/05/2024	Date:	3/05/2024
Photo Direction:	South	Photo Direction:	North

			
Location:	Start of cleanup drainage	Location:	Start of cleanup drainage
Date:	3/05/2024	Date:	3/05/2024
Photo Direction:	South	Photo Direction:	North

Attachment 6 – Environmental Drill Report

ESI - Pilot Water Solutions

Robert A. Meyer <rmeyer@talonlpe.com>
Tue 9/3/2024 2:20 PM
To:Lisa Paulek <lisapaulek@eis-llc.com>
Cc:Mindy Paulek <Mindy@eis-llc.com>;TJ Haley <thaley@talonlpe.com>;Cheyenne Chambers <cchambers@talonlpe.com>;Miles Sorbel <msorbel@talonlpe.com>

Lisa,

On 8/27/2024, a soil boring was drilled using direct air rotary drilling methods to 105 ft bgs, pursuant to New Mexico Office of the State Engineer (NM OSE) permit file number C04868.

While drilling, the driller identified the following lithology:

1. – Red Sand

1-4 – Sandstone/Cemented sand
4-22 – Caliche with sand
22-59 – Red sandy gravel with clay nodules
59-82 – Caliche with sand
82-105 – Red clay

No immediately observable water was identified in the cuttings (all cuttings were dry)

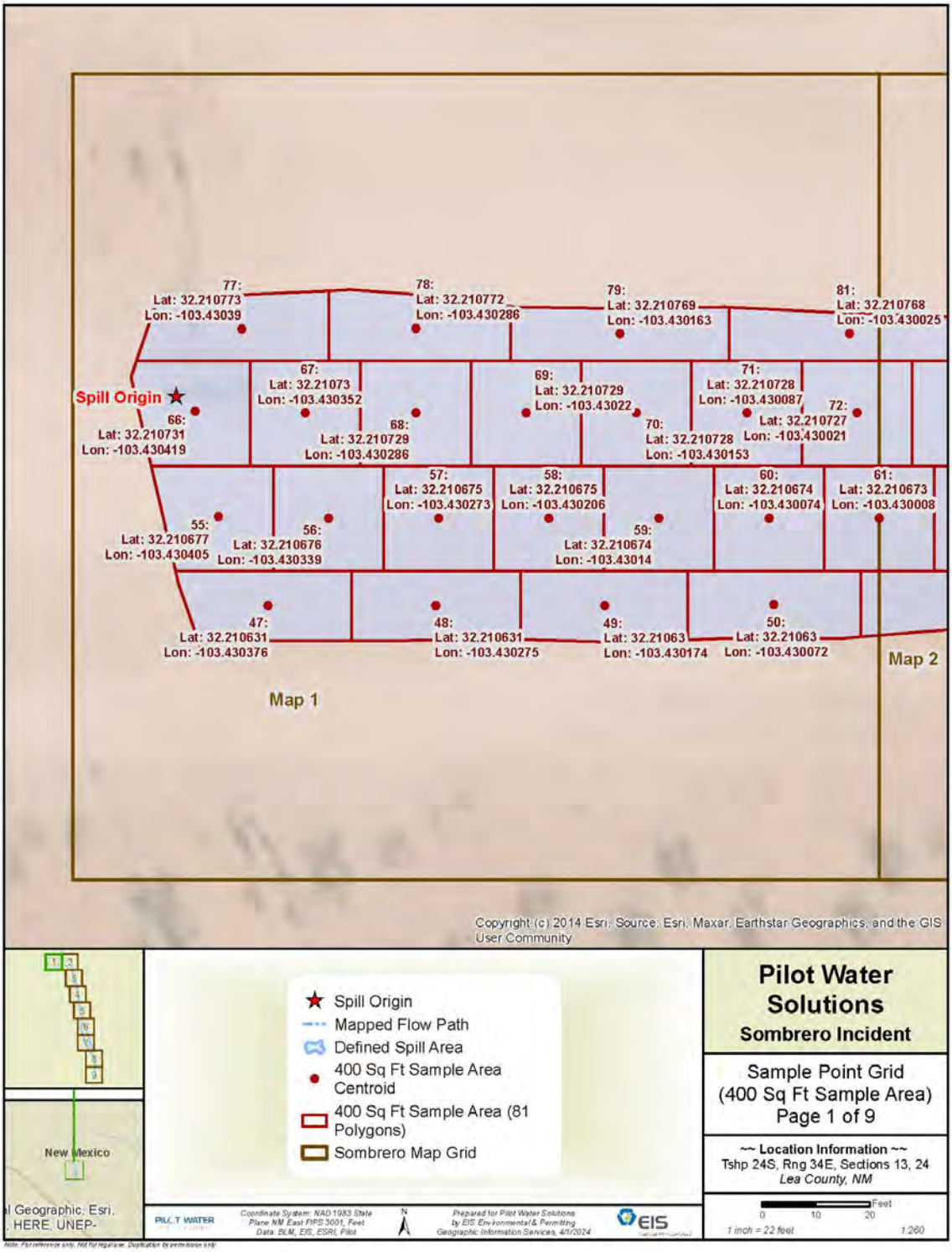
Upon reaching terminal depth (TD) of 105 ft bgs, the driller operating under my license, NM 1868, turned off the air supply to trip the drill string out of the hole. During these efforts, pulling the tooling from 105 ft bgs to 65 ft bgs was extraordinarily difficult indicated borehole collapse. When the borehole was empty, the driller tagged the depth of the borehole, identifying that it had collapsed to approximately 82 ft bgs. The following day, we attempted to clear the hole, but during the redrill efforts, it was identified that 2-3X the appropriate cutting volume was being generated from drilling compared to the rate of penetration. I stopped work and had the driller remove the rig from the borehole due to a concern of generating a near surface deformation as a result of borehole erosion. The hole was then backfilled in accordance with the permit.

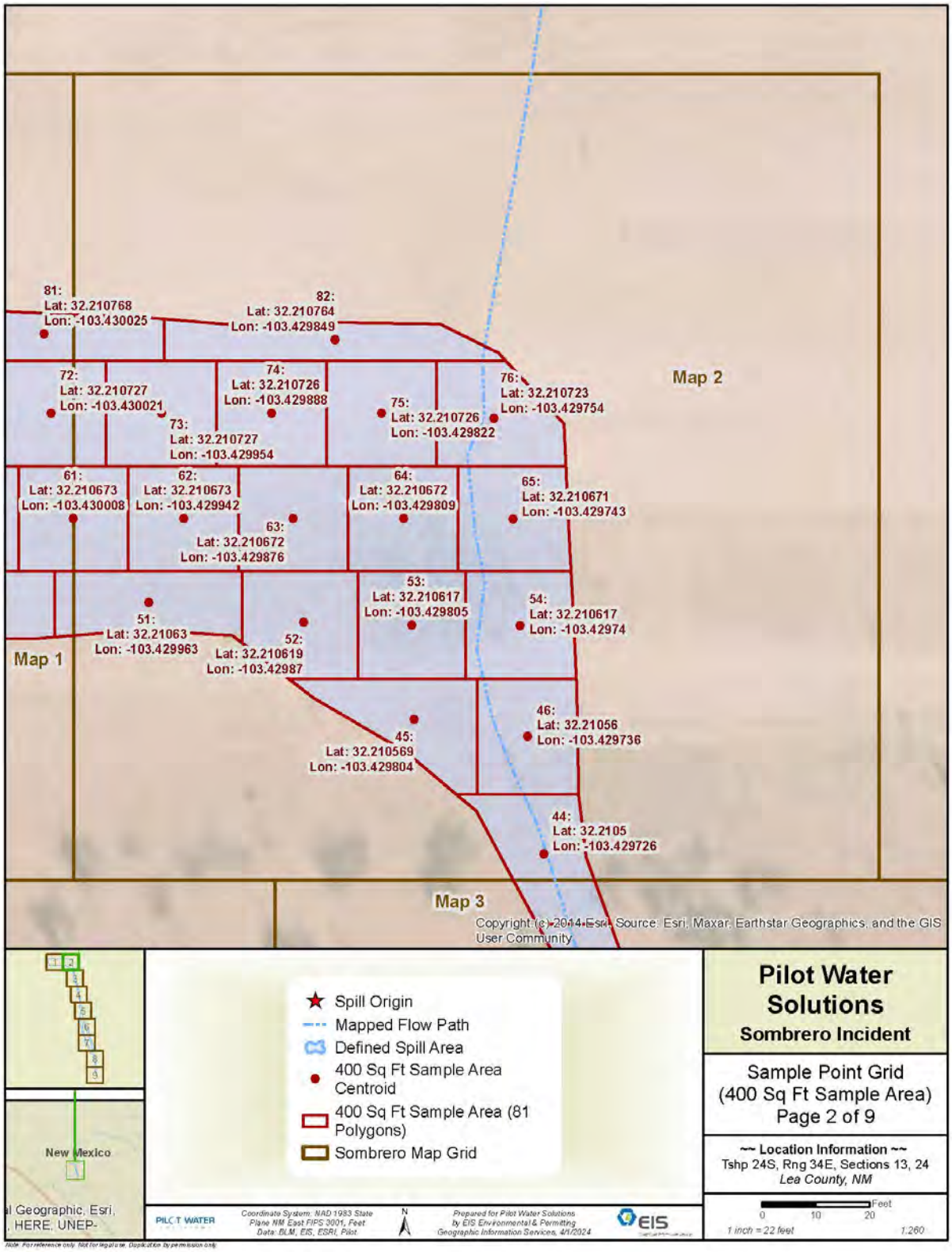
Please let me know if you have any further questions

Robert A. Meyer
Vice President Drilling Operations
Office: 210.265.8005 x203
Direct: 210.253.7227
Cell: 810.378.4331
Fax: 210.588.2191
Emergency: 866.742.0142
Web: [www.talonlpe.com]www.talonlpe.com

At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to clientrelations@talonlpe.com

Attachment 7 – Proposed Soil Sampling Map and Contaminated Area




81:
Lat: 32.210768
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82:
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Lon: -103.429849
72:
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Lon: -103.430021
74:
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73:
Lat: 32.210727
Lon: -103.429954
75:
Lat: 32.210726
Lon: -103.429822
76:
Lat: 32.210723
Lon: -103.429754
Map 2
61:
Lat: 32.210673
Lon: -103.430008
62:
Lat: 32.210673
Lon: -103.429942
63:
Lat: 32.210672
Lon: -103.429876
64:
Lat: 32.210672
Lon: -103.429809
65:
Lat: 32.210671
Lon: -103.429743
53:
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Lon: -103.429805
54:
Lat: 32.210617
Lon: -103.42974
51:
Lat: 32.21063
Lon: -103.429963
52:
Lat: 32.210619
Lon: -103.42987
Map 1
46:
Lat: 32.21056
Lon: -103.429736
45:
Lat: 32.210569
Lon: -103.429804
44:
Lat: 32.2105
Lon: -103.429726
Map 3
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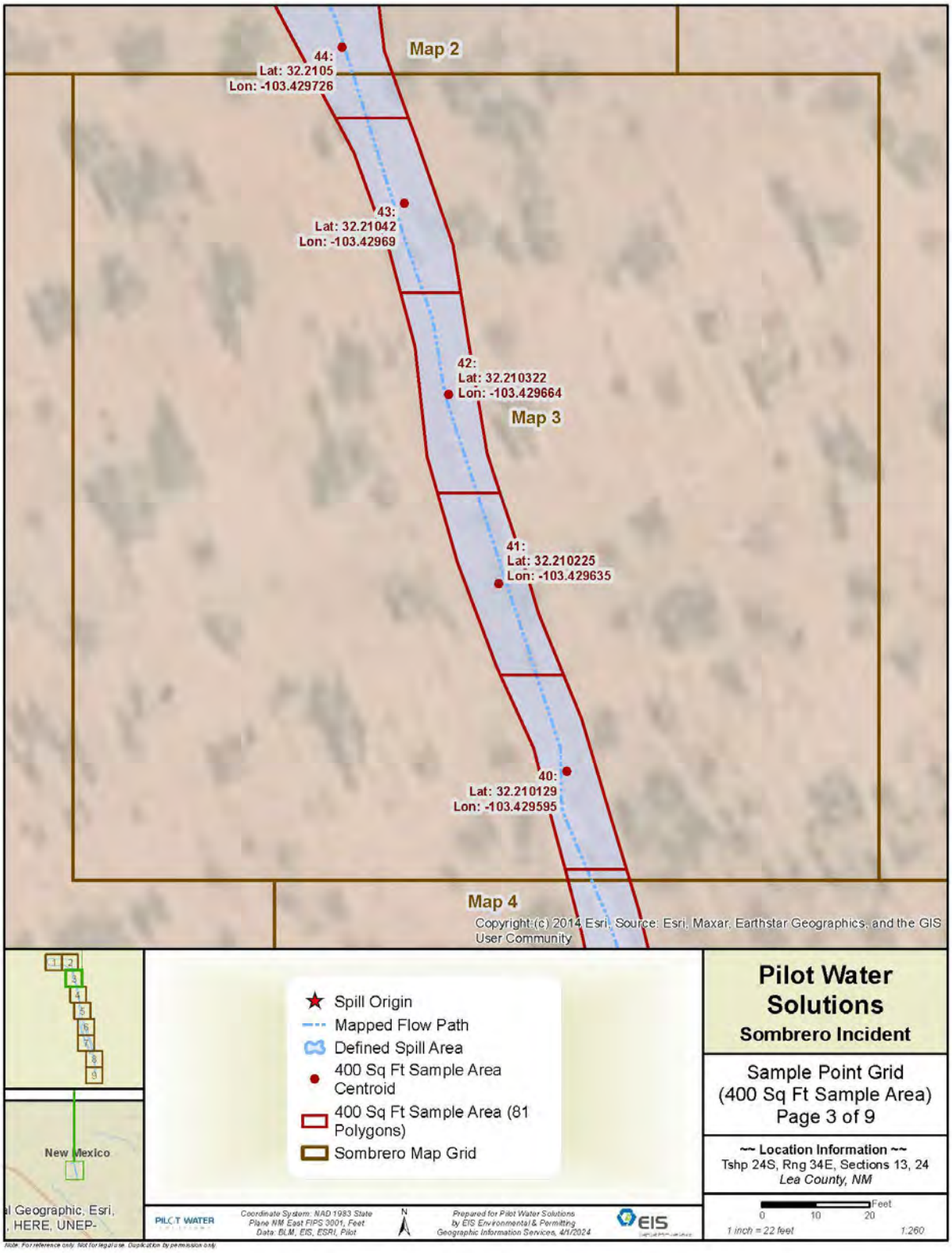
Spill Origin
Mapped Flow Path
Defined Spill Area
400 Sq Ft Sample Area Centroid
400 Sq Ft Sample Area (81 Polygons)
Sombrero Map Grid
New Mexico
Pilot Water Solutions
Sombrero Incident
Sample Point Grid
(400 Sq Ft Sample Area)
Page 2 of 9
~~ Location Information ~~
Tshp 24S, Rng 34E, Sections 13, 24
Lea County, NM
Feet
0 10 20
1 inch = 22 feet
1:260
Coordinate System: NAD 1983 State Plane NM East FIPS 3001, Feet
Data: BLM, EIS, ESRI, Pilot
Prepared for Pilot Water Solutions by EIS Environmental & Permitting Geographic Information Services, 4/1/2024
EIS


Map 2
44:
Lat: 32.2105
Lon: -103.429726
43:
Lat: 32.21042
Lon: -103.42969
42:
Lat: 32.210322
Lon: -103.429664
Map 3
41:
Lat: 32.210225
Lon: -103.429635
40:
Lat: 32.210129
Lon: -103.429595
Map 4
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Spill Origin
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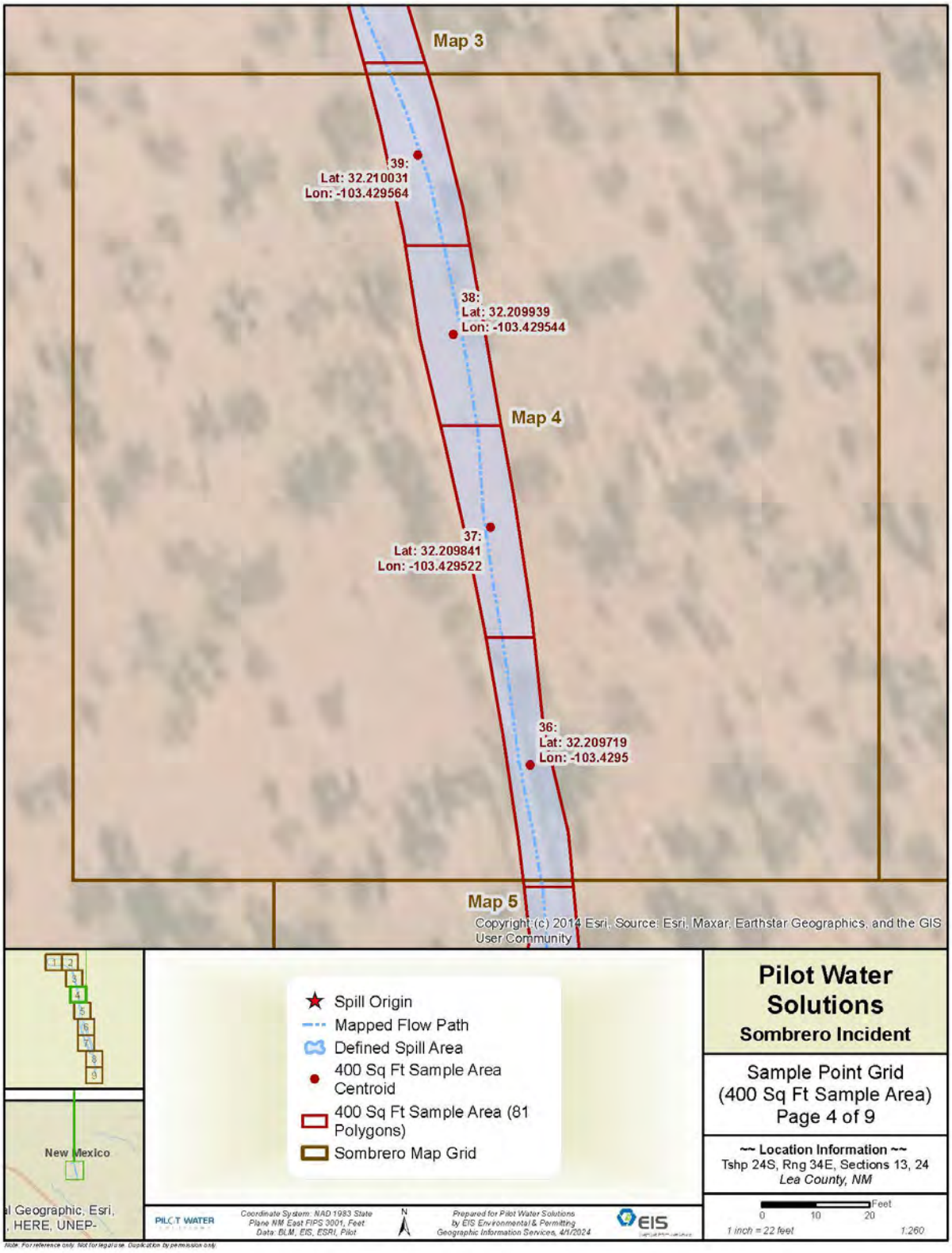
Map 3
39:
Lat: 32.210031
Lon: -103.429564
38:
Lat: 32.209939
Lon: -103.429544
Map 4
37:
Lat: 32.209841
Lon: -103.429522
36:
Lat: 32.209719
Lon: -103.4295
Map 5
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Spill Origin
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400 Sq Ft Sample Area Centroid
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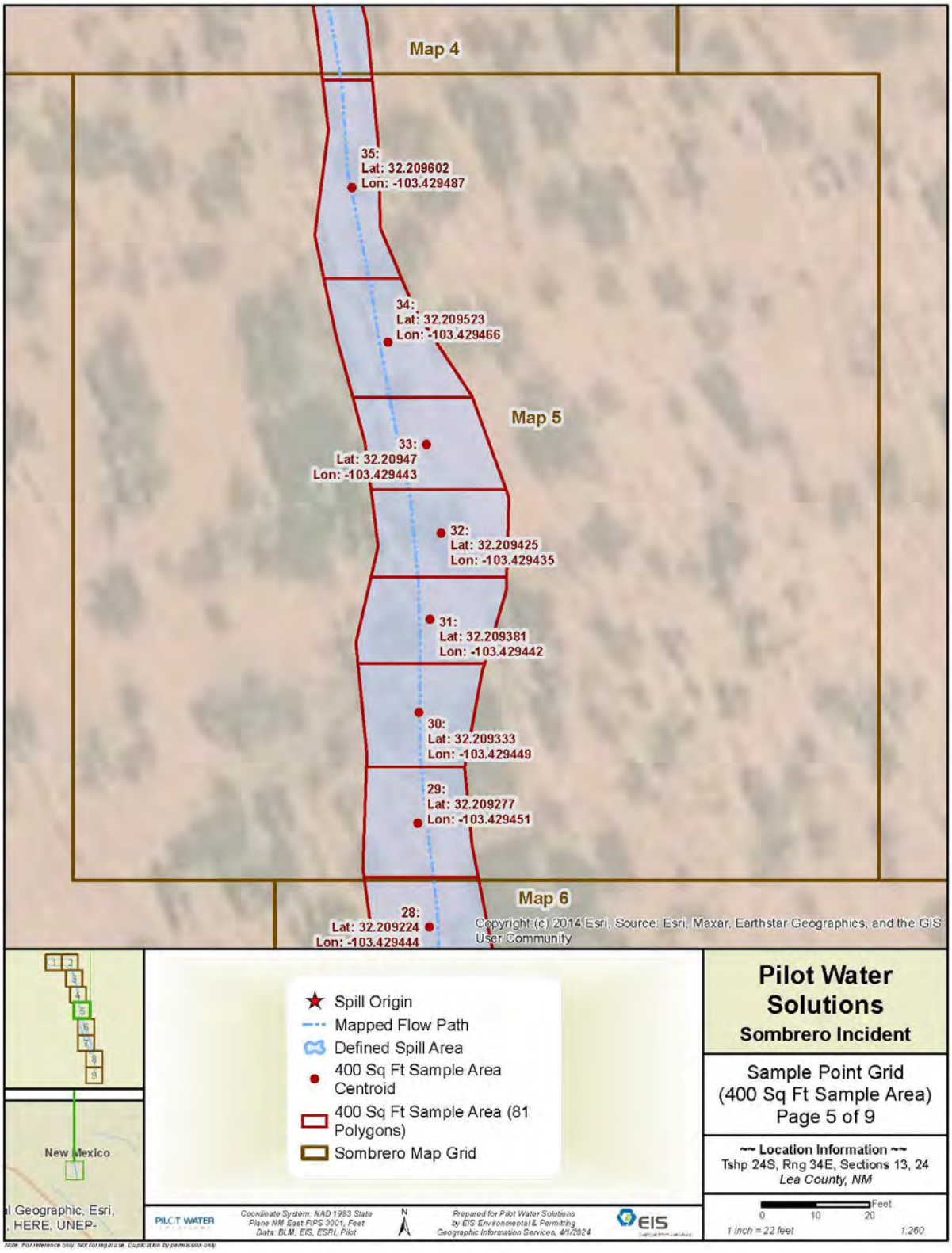
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35:
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34:
Lat: 32.209523
Lon: -103.429466
Map 5
33:
Lat: 32.20947
Lon: -103.429443
32:
Lat: 32.209425
Lon: -103.429435
31:
Lat: 32.209381
Lon: -103.429442
30:
Lat: 32.209333
Lon: -103.429449
29:
Lat: 32.209277
Lon: -103.429451
Map 6
28:
Lat: 32.209224
Lon: -103.429444
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Spill Origin
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Defined Spill Area
400 Sq Ft Sample Area Centroid
400 Sq Ft Sample Area (81 Polygons)
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Sample Point Grid (400 Sq Ft Sample Area)
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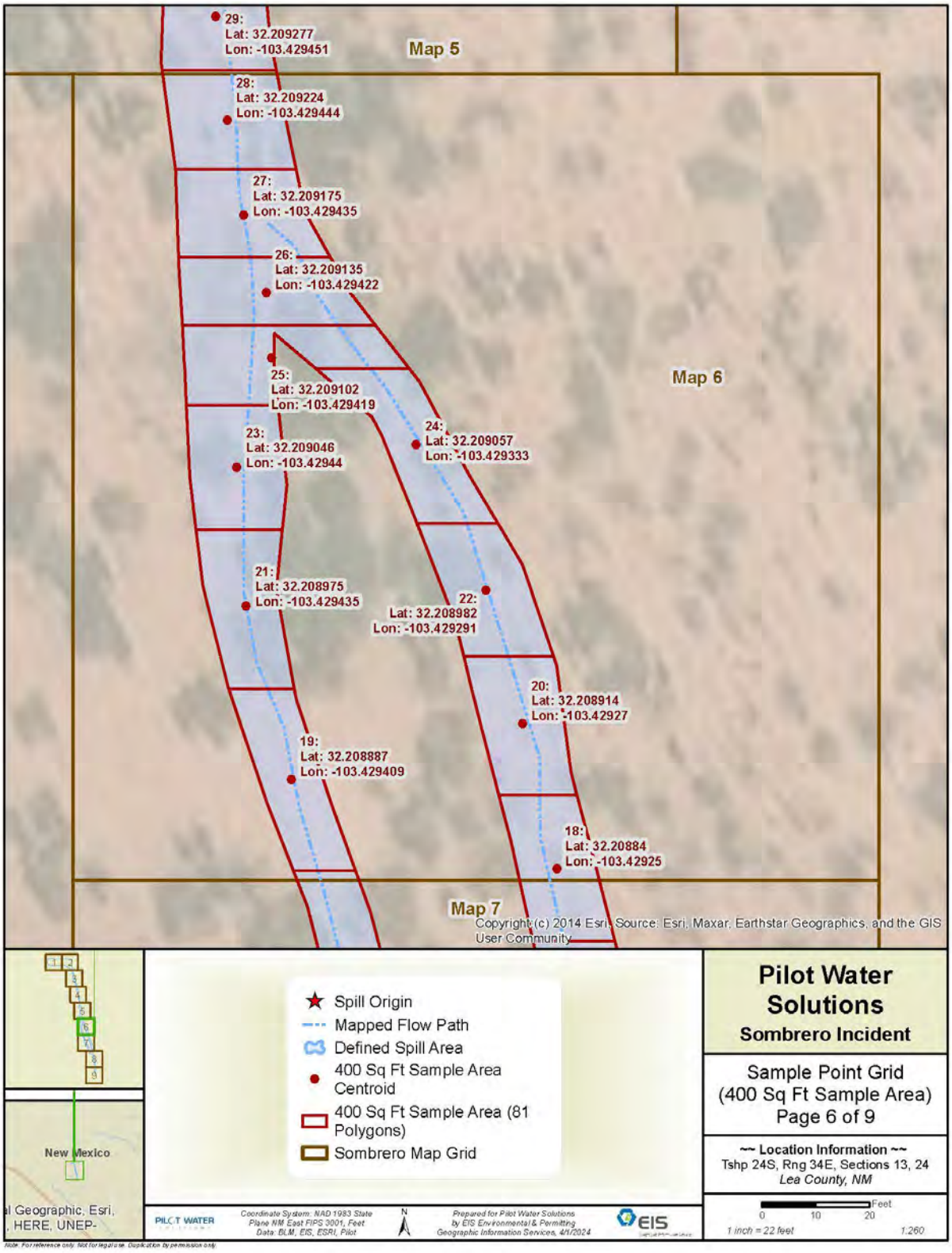
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Map 5
28:
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Lon: -103.429444
27:
Lat: 32.209175
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26:
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Lon: -103.429422
25:
Lat: 32.209102
Lon: -103.429419
Map 6
24:
Lat: 32.209057
Lon: -103.429333
23:
Lat: 32.209046
Lon: -103.42944
21:
Lat: 32.208975
Lon: -103.429435
22:
Lat: 32.208982
Lon: -103.429291
20:
Lat: 32.208914
Lon: -103.42927
19:
Lat: 32.208887
Lon: -103.429409
18:
Lat: 32.20884
Lon: -103.42925
Map 7
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Spill Origin
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400 Sq Ft Sample Area Centroid
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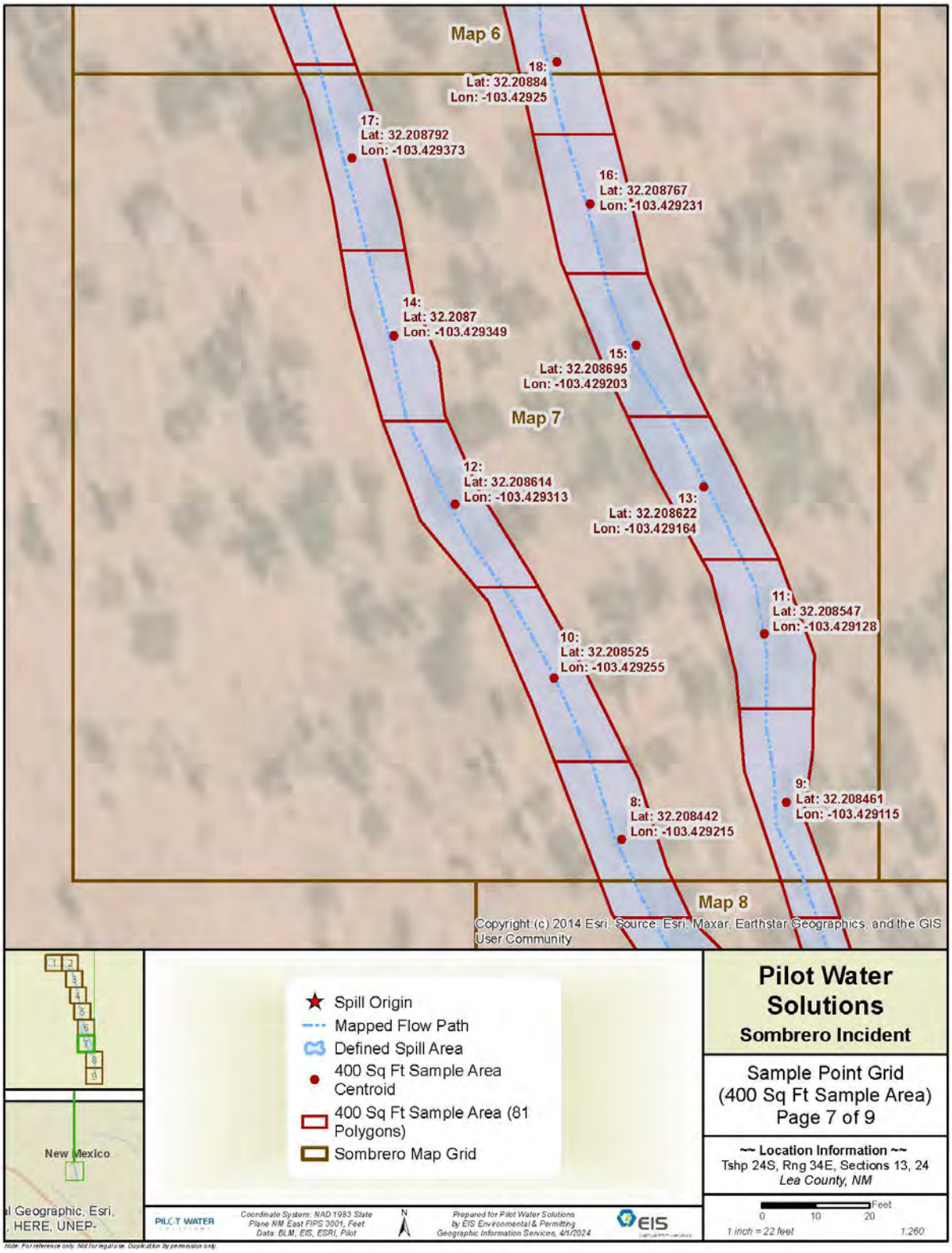
Map 6
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Lon: -103.429373
16:
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Lon: -103.429231
14:
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Lon: -103.429349
15:
Lat: 32.208695
Lon: -103.429203
Map 7
12:
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11:
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Lon: -103.429128
10:
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Lon: -103.429255
9:
Lat: 32.208461
Lon: -103.429115
8:
Lat: 32.208442
Lon: -103.429215
Map 8
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Spill Origin
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400 Sq Ft Sample Area Centroid
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0 10 20
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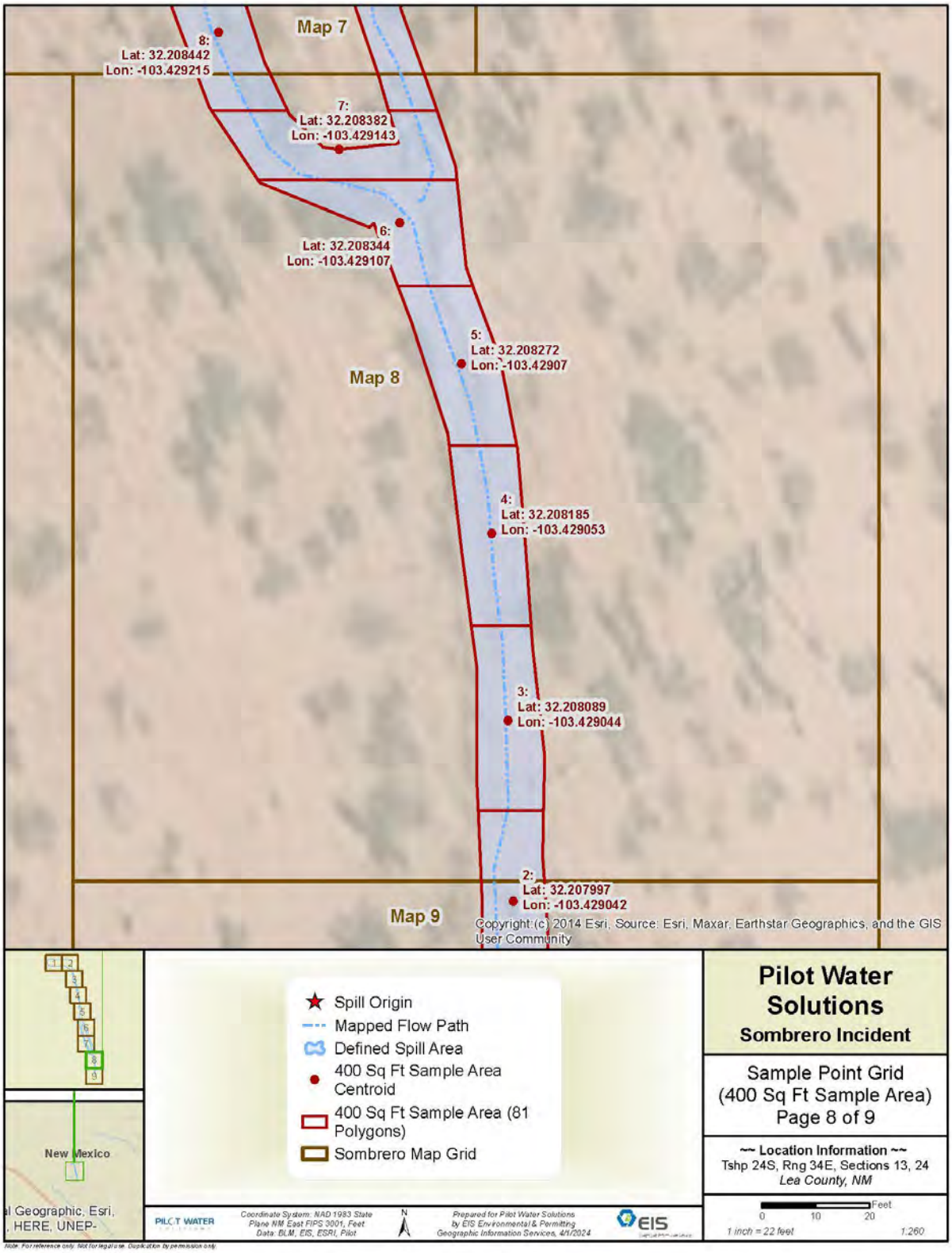
Map 7
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Lat: 32.208442
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7:
Lat: 32.208382
Lon: -103.429143
6:
Lat: 32.208344
Lon: -103.429107
5:
Lat: 32.208272
Lon: -103.42907
Map 8
4:
Lat: 32.208185
Lon: -103.429053
3:
Lat: 32.208089
Lon: -103.429044
2:
Lat: 32.207997
Lon: -103.429042
Map 9
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Spill Origin
Mapped Flow Path
Defined Spill Area
400 Sq Ft Sample Area Centroid
400 Sq Ft Sample Area (81 Polygons)
Sombrero Map Grid
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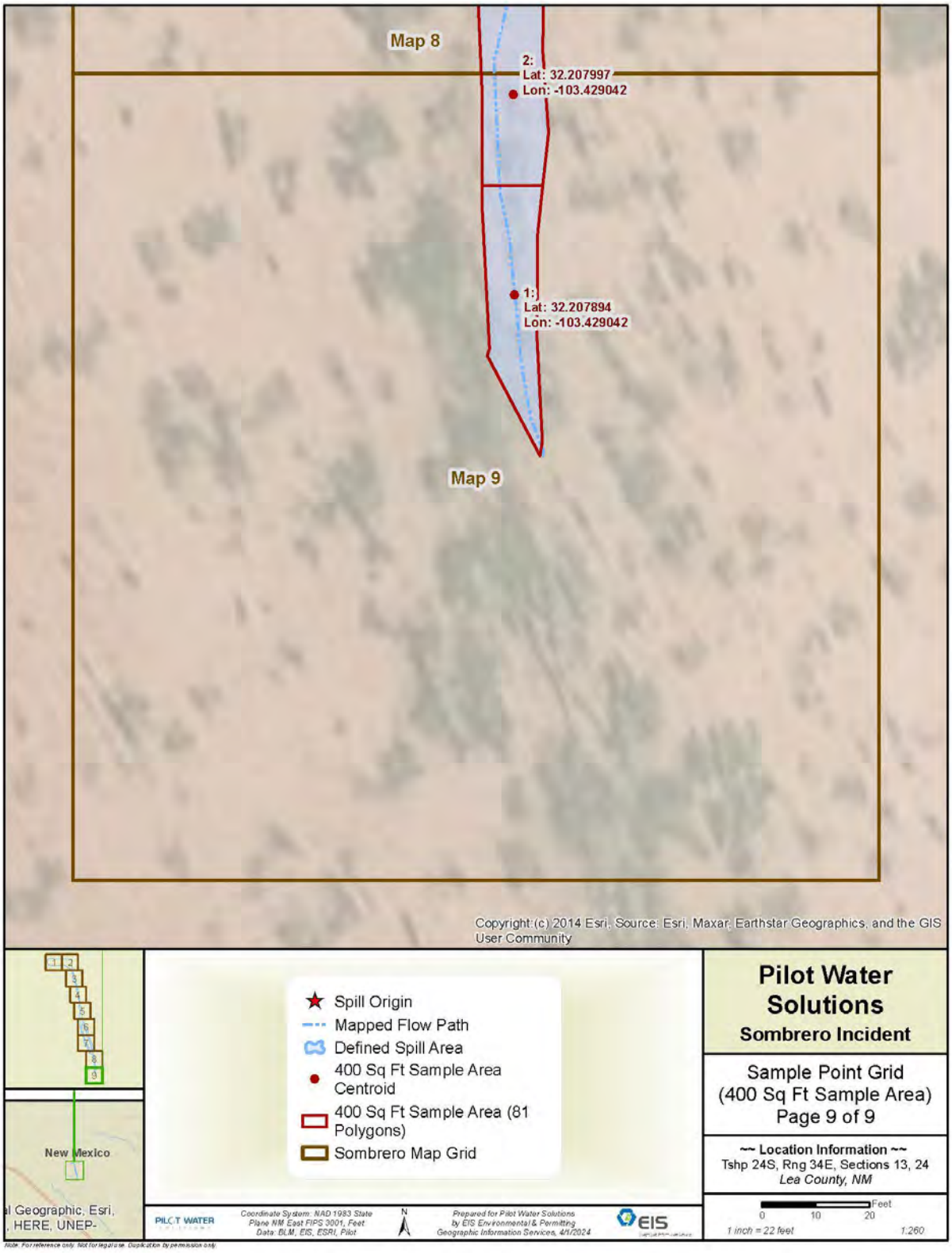
Map 8
2:
Lat: 32.207997
Lon: -103.429042
1:
Lat: 32.207894
Lon: -103.429042
Map 9
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New Mexico
Spill Origin
Mapped Flow Path
Defined Spill Area
400 Sq Ft Sample Area Centroid
400 Sq Ft Sample Area (81 Polygons)
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Feet
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1:260

Sante Fe Main Office
Phone: (505) 476-3441

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 395874

QUESTIONS

Operator: OWL SWD OPERATING, LLC 20 Greenway Plaza Houston, TX 77046	OGRID: 308339
	Action Number: 395874
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2405746227**
Incident Name	**NAPP2405746227 COG SOMBRERO HEADER @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	COG SOMBRERO HEADER
Date Release Discovered	02/25/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Injection Header | Produced Water | Released: 35 BBL | Recovered: 0 BBL | Lost: 35 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: OWL SWD OPERATING, LLC 20 Greenway Plaza Houston, TX 77046	OGRID: 308339
	Action Number: 395874
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	False
All free liquids and recoverable materials have been removed and managed appropriately	False
If all the actions described above have not been undertaken, explain why	On 2/27/2024 crews will be onsite to establish berms and collect all free liquids and remove all visibly contaminated soils.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Mindy Paulek Title: President Email: mindy@eis-llc.com Date: 10/25/2024

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QUESTIONS (continued)

Operator: OWL SWD OPERATING, LLC 20 Greenway Plaza Houston, TX 77046	OGRID: 308339
	Action Number: 395874
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	11/11/2024
On what date will (or did) the final sampling or liner inspection occur	01/13/2025
On what date will (or was) the remediation complete(d)	02/03/2025
What is the estimated surface area (in square feet) that will be reclaimed	32400
What is the estimated volume (in cubic yards) that will be reclaimed	2811
What is the estimated surface area (in square feet) that will be remediated	32400
What is the estimated volume (in cubic yards) that will be remediated	2811
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: OWL SWD OPERATING, LLC 20 Greenway Plaza Houston, TX 77046	OGRID: 308339
	Action Number: 395874
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	OWL LANDFILL JAL [fJEG1635837366]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	No
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Mindy Paulek Title: President Email: mindy@eis-llc.com Date: 10/25/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: OWL SWD OPERATING, LLC 20 Greenway Plaza Houston, TX 77046	OGRID: 308339
	Action Number: 395874
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator:	OGRID:
OWL SWD OPERATING, LLC 20 Greenway Plaza Houston, TX 77046	308339
	Action Number: 395874
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	***{Unavailable.}***

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Operator: OWL SWD OPERATING, LLC 20 Greenway Plaza Houston, TX 77046	OGRID: 308339
	Action Number: 395874
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved with the following conditions; 1. alternative sampling plan request not to exceed 400 square feet (ft.2) from the excavation floor and 200 ft.2 from the excavation sidewalls for each five (5) point composite per 19.15.29.12D (1b) NMAC is approved. All other provisions addressed in 19.15.29.12D NMAC remain in effect. 2. Pilot Water has 90-days (February 25, 2025) to submit to OCD its appropriate or final remediation closure report.	11/26/2024