

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Incident ID	NRM2016448841
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: BP America Production Co	OGRID: 778	Final Spill Report
Contact Name: Steve Moskal	Contact Telephone: (505) 330-9179	
Contact email: steven.moskal@bpx.com	Incident # (assigned by OCD) NRM2016448841	
Contact mailing address: 1199 Main St., Suite 101, Durango CO, 81301		

Location of Release Source

Latitude: 36.850419° Longitude: -107.630780°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Northeast Blanco Unit Pump Mesa SWD 001	Site Type: Water Injection Well
Date Release Discovered: May 20, 2020	API#: 30-045-27340

Unit Letter	Section	Township	Range	County
N	36	T31N	R08W	San Juan

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): 31	Volume Recovered (bbls): 30
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls):	Volume Recovered (bbls):
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (describe)	Volume/Weight Released (provide units) 40 gallons – slop oil	Volume/Weight Recovered (provide units) 0 gallons

Cause of Release:

Release of produced water from a slop oil tank that over-ran during a truck offloading event. The isolation valves were not in the correct operating positions from the prior week when the tank was emptied.

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	NRM2016448841
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Greater than 25 bbls and water and oil was released into containment.
---	--

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Steve Moskal to Cory Smith (cell phone) on May 20, 2020; 3:45 PM

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
--

If all the actions described above have not been undertaken, explain why:

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

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.

Printed Name: Steve Moskal Title: Environmental Coordinator

Signature:  Date: June 4, 2020

email: steven.moskal@bpx.com Telephone: (505) 330-9179

OCD Only

Received by: _____ Date: _____

Incident ID	NRM2016448841
District RP	
Facility ID	
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Site Assessment/Characterization

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?	>100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	NRM2016448841
District RP	
Facility ID	
Application ID	

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.

Printed Name: Steve Moskal Title: Environmental Coordinator

Signature: 

Date: June 4, 2020

email: steven.moskal@bpx.com

Telephone: (505) 330-9179

OCD Only

Received by: Jocelyn Harimon

Date: 10/21/2022

Incident ID	NRM2016448841
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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Steve Moskal Title: Environmental Coordinator

Signature: _____ Date: _____

email: steven.moskal@bpx.com Telephone: (505) 330-9179

OCD Only

Received by: Jocelyn Harimon Date: 10/21/2022

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: Jocelyn Harimon Date: 10/21/2022

Incident ID	NRM2016448841
District RP	
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Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Steve Moskal Title: Environmental Coordinator

Signature:  Date: October 14, 2020

email: steven.moskal@bpx.com Telephone: (505) 330-9179

OCD Only

Received by: Jocelyn Harimon Date: 10/21/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jocelyn Harimon  Date: 10/21/2022

Printed Name: Jocelyn Harimon Title: Environmental Specialist

APPROVED
10/21/2022
Jocelyn Harimon

The OCD approves the Closure Report C-141 for incident #NIMW1231129593 with the following conditions.

- This report lacked a summary which makes a statement about remediation efforts.
- This report also lacks a complete site characterization.
- The OCD has determined that the data provided does allow for closure of this incident.

SIMCOE LLC

(BP as Contractor)

NEBU Pump Mesa SWD 001 - API: 30-045-27340
(N) Sec 36 – T31N – R08W, San Juan County, New Mexico

Storage Tank Overflow Release
Incident #: NRM2016448841

Summary Record of Impacted Soils Remediation

<u>May 20, 2020</u>	Date release was discovered Cause due to overflow of one (1) of the fourteen (14) 500 barrel (bbl) storage tanks within the site's tank battery containment area. Approximately 31 bbls of produced water and 40 gallons of slop oil was discharged. Approximately 30 bbls of the produced water was recovered via a vacuum truck.
<u>May 22, 2020</u>	Preliminary investigation was conducted by third party contractor.
<u>June 4, 2020</u>	BP submitted Form C-141 Initial Report to the New Mexico Oil Conservation Division (NMOCD). Contents of report included aerial site map showing ground surface areal extent of impacts, field report, photos of sampling areas, lab report, summary table of field-lab test results, and siting criteria supporting documentation.
<u>June 20, 2020</u>	NMOCD received Form C-141 (online document date/time stamped).
<u>August 18, 2020</u>	BP submitted initial closure sampling notification to NMOCD. Also included explanation for delay of the remedial activity start up. Remediation conducted primarily via hydrovac operation.
<u>August 20, 2020</u>	Initial closure sampling was completed (<i>see field report page 2 of 3</i>).
<u>August 26, 2020</u>	BP submits follow up closure status to NMOCD. Notification of subsequent closure sampling also included.
<u>August 28, 2020</u>	Second closure sampling event was completed.
<u>September 3, 2020</u>	BP submits second follow up closure status to NMOCD. Notification of third and final closure sampling event also included.
<u>September 8, 2020</u>	Last and final closure sampling event was completed (<i>see field report page 3 of 3</i>).
<u>September 11, 2020</u>	BP submits last closure status to NMOCD. Backfilling activity commenced and remaining isolated areas with potential impacts explanation was also noted and addressed.

EMAIL NOTIFICATIONS

From: Steven Moskal
Sent: Tuesday, August 18, 2020 11:28 AM
To: Cory Smith - NMOCD (Cory.Smith@state.nm.us) <Cory.Smith@state.nm.us>; Johnson, David <djohnson@slo.state.nm.us>
Cc: nvelez@cottonwoodconsulting.com; Kyle Siesser (ksiesser@cottonwoodconsulting.com) <ksiesser@cottonwoodconsulting.com>; Don Buller <DON.BULLER@BPX.COM>; 'Jake Harter' (jharter@cottonwoodconsulting.com) <jharter@cottonwoodconsulting.com>
Subject: Sample Notification - -NEBU Pump Mesa SWD

All,

BP has initiated the remedial excavation at the May 20th spill site. The access to the site was delayed due to ongoing rig activity. BP plans to sample a portion of the excavation on Thursday, August 20th, at 1:30 PM. This will be one of two anticipated sampling events for the cleanup.

NMOCD incident #NRM2016448841.

Thank you,

Steve Moskal | *Environmental Coordinator*
BP America Production Co. | bpx energy - WBU
1199 Main Ave., Suite 101 | Durango, CO 81301
Direct: 505.330.9179 | steven.moskal@bpx.com



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From: Steven Moskal
Sent: Wednesday, August 26, 2020 10:20 AM
To: Cory Smith - NMOCD (Cory.Smith@state.nm.us) <Cory.Smith@state.nm.us>; 'Johnson, David' <djohnson@slo.state.nm.us>
Cc: 'nvezlez@cottonwoodconsulting.com' <nvezlez@cottonwoodconsulting.com>; Kyle Siesser (ksiesser@cottonwoodconsulting.com) <ksiesser@cottonwoodconsulting.com>; Don Buller <DON.BULLER@BPX.COM>; 'Jake Harter' (jharter@cottonwoodconsulting.com) <jharter@cottonwoodconsulting.com>
Subject: RE: Sample Notification - -NEBU Pump Mesa SWD

All,

We are still awaiting results of the sampling event from last week. These results are expected later today. The remaining area of concern has been excavated and is now ready for sampling. BP will plan to sample the remaining area on Friday, 8/28/20, at 8:00 AM.

Thank you,

Steve Moskal | *Environmental Coordinator*
BP America Production Co. | bpx energy - WBU
1199 Main Ave., Suite 101 | Durango, CO 81301
Direct: 505.330.9179 | steven.moskal@bpx.com



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From: Steven Moskal
Sent: Thursday, August 27, 2020 7:47 AM
To: Cory Smith - NMOCD (Cory.Smith@state.nm.us) <Cory.Smith@state.nm.us>; Johnson, David <djohnson@slo.state.nm.us>; Don Buller <DON.BULLER@BPX.COM>
Cc: nvezlez@cottonwoodconsulting.com; Kyle Siesser (ksiesser@cottonwoodconsulting.com) <ksiesser@cottonwoodconsulting.com>; Don Buller <DON.BULLER@BPX.COM>; 'Jake Harter' (jharter@cottonwoodconsulting.com) <jharter@cottonwoodconsulting.com>
Subject: RE: Sample Notification - -NEBU Pump Mesa SWD

Cory and David,

Attached are the sample results from the 8/20 sampling event. The majority of the excavation is below the NMOCD closure standards, based on the site ranking. These areas will be backfilled. The NE sidewalls will need to be further advanced laterally to meet the final extents. BP has scheduled a subsequent sampling event for tomorrow morning at 8:00 AM. Please let me know if you have any questions or concerns.

Thank you,

Steve Moskal | *Environmental Coordinator*
BP America Production Co. | bpx energy - WBU
1199 Main Ave., Suite 101 | Durango, CO 81301
Direct: 505.330.9179 | steven.moskal@bpx.com



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From: Steven Moskal <Steven.Moskal@BPX.COM>
Sent: Thursday, September 3, 2020 7:11 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Johnson, David <djohnson@slo.state.nm.us>; Don Buller <DON.BULLER@BPX.COM>
Cc: nvelez@cottonwoodconsulting.com; Kyle Siesser (ksiesser@cottonwoodconsulting.com) <ksiesser@cottonwoodconsulting.com>; Don Buller <DON.BULLER@BPX.COM>; 'Jake Harter' (jharter@cottonwoodconsulting.com) <jharter@cottonwoodconsulting.com> <jharter@cottonwoodconsulting.com>
Subject: [EXT] RE: Sample Notification - -NEBU Pump Mesa SWD

Cory and Dave,

Attached are the lab results from the 8/28 sampling event. The areas that previously failed were furthered excavated and resampled with results below remedial action levels. All other areas, with the exception of area 26, are also below remedial action levels and will be backfilled with clean, imported material.

Section 26 will be further excavated and we plan to resample Tuesday, 9/8/20, at 9:00 AM.

Thank you,

Steve Moskal | *Environmental Coordinator*
BP America Production Co. | bpx energy - WBU
1199 Main Ave., Suite 101 | Durango, CO 81301
Direct: 505.330.9179 | steven.moskal@bpx.com



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From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Thursday, September 3, 2020 7:49 AM
To: Steven Moskal <Steven.Moskal@BPX.COM>; Johnson, David <djohnson@slo.state.nm.us>; Don Buller <DON.BULLER@BPX.COM>
Cc: nvelez@cottonwoodconsulting.com; Kyle Siesser (ksiesser@cottonwoodconsulting.com) <ksiesser@cottonwoodconsulting.com>; Don Buller <DON.BULLER@BPX.COM>; 'Jake Harter' (jharter@cottonwoodconsulting.com) <jharter@cottonwoodconsulting.com> <jharter@cottonwoodconsulting.com>
Subject: RE: Sample Notification - -NEBU Pump Mesa SWD

Steve,

Thank you for the update please make sure your taking photos of the areas prior to backfill for the closure report.

Thanks,

Cory Smith | Environmental Specialist
Oil Conservation Division | Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115 | cory.smith@state.nm.us

NEBU Pump Mesa SWD Final Sample Results

From: Steven Moskal <Steven.Moskal@BPX.COM>

Sent: 9/11/2020 10:04 AM

To: Smith, Cory, EMNRD; Johnson, David; Don Buller Cc: Nelson Velez; Kyle Siesser; Don Buller; Richard Bandy; Jacob Harter; Jonathan Divine; Adam Smouse

Cory and Dave,

Attached are the results from the final sampling event at the remedial excavation site. Sample 30, is a resample of area 26 which was further excavated. All samples are below remedial action and all areas will be backfilled with clean, imported material. Some isolated areas of impact could potentially remain below the surface equipment, but are not accessible at this time due to the configuration of the site. These additional investigation and remedial action will be passed to final abandonment activities.

A final report will be provided in the next couple of weeks.

Thank you,

Steve Moskal | Environmental Coordinator

BP America Production Co. | [bpx energy](#) - WBU

1199 Main Ave., Suite 101 | Durango, CO 81301

Direct: 505.330.9179 | steven.moskal@bpx.com



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AERIAL MAPS & FIELD REPORTS

SIMCOE - NEBU Pump Mesa SWD 001

(N) Section 36, T31N, R8W
API #: 3004527340

Imagery date: 10/5/2016
WH GPS Coord.:
36.850216,-107.630329
POR2 GPS Coord.:
36.850436,-107.630739

FIGURE 1



POR2

WH

300 FT. RADIUS
FROM POR2



SIMCOE - NEBU Pump Mesa SWD 001

(N) Section 36, T31N, R8W
API #: 3004527340

Imagery date: 10/5/2016
POR2 GPS Coord.:
36.850436,-107.630739

Approximate Area
of Surface Impact



SIMCOE - NEBU Pump Mesa SWD 001

(N) Section 36, T31N, R8W
API #: 3004527340

Imagery date: 10/5/2016
POR2 GPS Coord.:
36.850436,-107.630739

Figure 3

August 20, 2020
Sampling Event

Storage
Tank
Designation

Treater
Box

Valve
Sump



Legend

- - Sample point designation (8/20)
- 12 - Sample area
- POR - Point of Release



20 ft

Google Earth

SIMCOE - NEBU Pump Mesa SWD 001

(N) Section 36, T31N, R8W
API #: 3004527340

Imagery date: 10/5/2016
POR2 GPS Coord.: 36.850436,-107.630739

August 28 & Sept. 8, 2020
Sampling Events

Figure 4

Storage
Tank
Designation

Treater
Box

Valve
Sump

Gray Shaded Area
Estimated Subsurface
Impacted Zone
Removed via Hydrovac

Legend

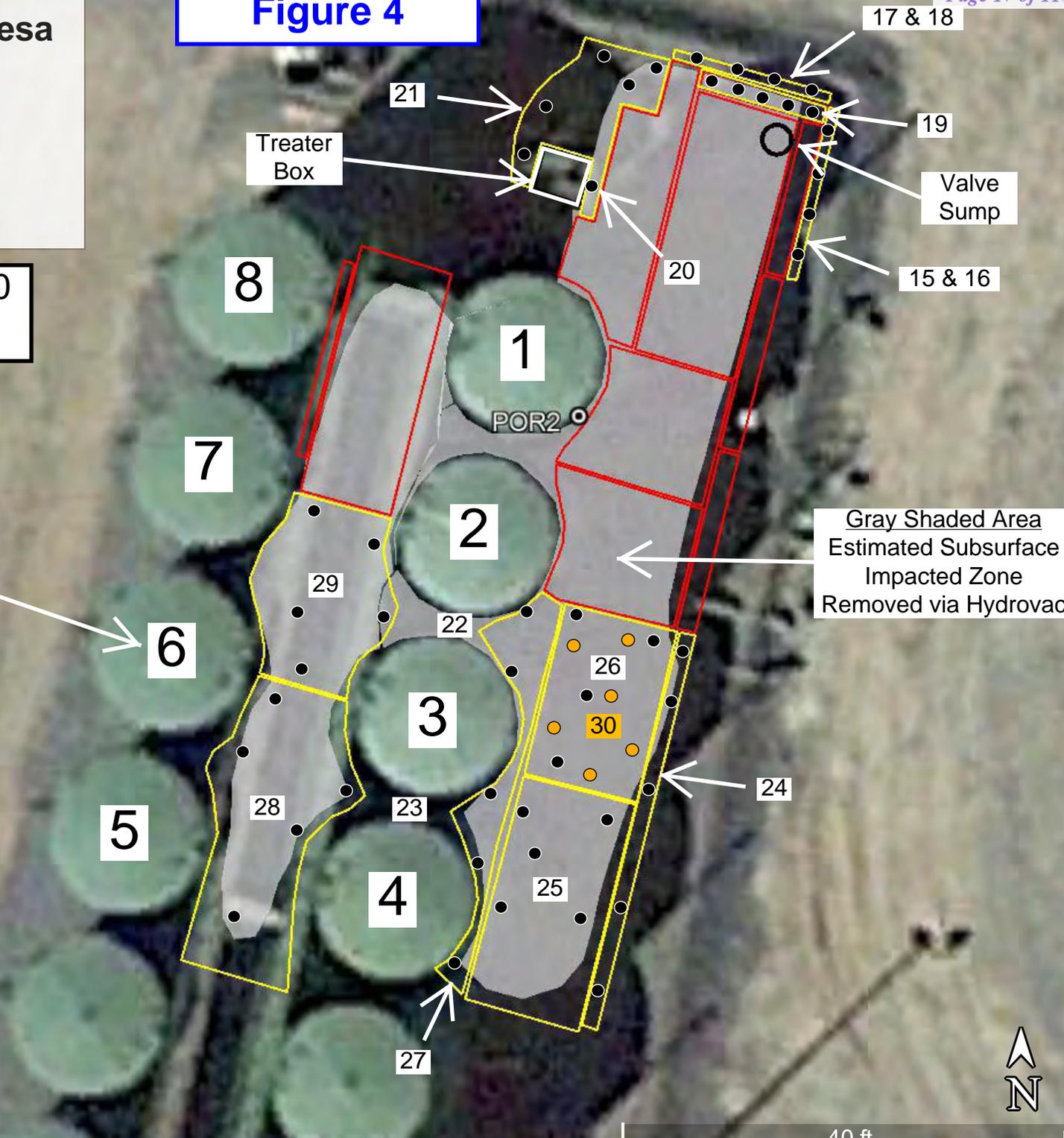
● - Sample point designation (8/28)

● - Sample point designation (9/08)

24 - Sample area

POR - Point of Release

Google Earth



CLIENT: **SIMCOE**

COTTONWOOD CONSULTING LLC
P.O. BOX 1653, DURANGO, COLO. 81303
(970) 764-7356

API #: **3004527340**

TANK ID (if applicable): **-**

FIELD REPORT:

(circle one): BGT CONFIRMATION / **RELEASE INVESTIGATION** / OTHER:
Storage Tank Overflow

PAGE #: **1** of **3**

SITE INFORMATION:

SITE NAME: **NEBU Pump Mesa SWD # 1**

DATE STARTED: **05/22/20**

QUAD/UNIT: **N SEC: 36 TWP: 31N RNG: 8W PM: NM CNTY: SJ ST: NM**

DATE FINISHED:

1/4 - 1/4 FOOTAGE: **990'S / 1,600'W SE/SW** LEASE TYPE: FEDERAL / STATE / FEE / INDIAN

ENVIRONMENTAL

LEASE #: **E. 3707 - 4** PROD. FORMATION: **-** CONTRACTOR: **KELLY O.F.S. BPX - D. BULLER**

SPECIALIST(S): **JCB**

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.: **36.850217 X 107.630326** GL ELEV.: **6,432'**

1) RELEASE SOURCE POINT	GPS COORD.: 36.850427 X 107.630779	DISTANCE/BEARING FROM P&A: -
2)	GPS COORD.:	DISTANCE/BEARING FROM P&A:
3)	GPS COORD.:	DISTANCE/BEARING FROM P&A:
4)	GPS COORD.:	DISTANCE/BEARING FROM P&A:

SAMPLING DATA:

CHAIN OF CUSTODY RECORD(S) # OR LAB USED: **ENVIROTECH**

OVM READING (ppm)

1) SAMPLE ID: AREA 1 (5-POINT)	SAMPLE DATE: 05/22/20	SAMPLE TIME: 1005	LAB ANALYSIS: 8015B/8021B/300.0 (CI)	OVM READING (ppm): 4,271
2) SAMPLE ID: AREA 2 (5-POINT)	SAMPLE DATE: 05/22/20	SAMPLE TIME: 1008	LAB ANALYSIS: 8015B/8021B/300.0 (CI)	OVM READING (ppm): 3,960
3) SAMPLE ID: AREA 3 (5-POINT)	SAMPLE DATE: 05/22/20	SAMPLE TIME: 1011	LAB ANALYSIS: 8015B/8021B/300.0 (CI)	OVM READING (ppm): 2,820
4) SAMPLE ID: AREA 4 (5-POINT)	SAMPLE DATE: 05/22/20	SAMPLE TIME: 1014	LAB ANALYSIS: 8015B/8021B/300.0 (CI)	OVM READING (ppm): 966
5) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:	OVM READING (ppm):

SOIL DESCRIPTION:

SOIL TYPE: **SAND** SILTY SAND / SILT / SILTY CLAY / CLAY / **GRAVEL** OTHER **GRAVEL ON GROUND SURFACE ONLY**

SOIL COLOR: **DARK YELLOWISH ORANGE**

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

COHESION (ALL OTHERS): **NON COHESIVE** SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

CONSISTENCY (NON COHESIVE SOILS): **LOOSE** FIRM / DENSE / VERY DENSE

HC ODOR DETECTED: **YES** NO EXPLANATION - **MODERATE / STRONG**

MOISTURE: DRY / SLIGHTLY MOIST **MOIST** WET / SATURATED / SUPER SATURATED

SAMPLE TYPE: GRAB **COMPOSITE** # OF PTS. **5**

ANY AREAS DISPLAYING WETNESS: **YES** / NO EXPLANATION -

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION -

SITE OBSERVATIONS:

LOST INTEGRITY OF EQUIPMENT: YES **NO** EXPLANATION - **OVERFLOW**

APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: **YES** NO EXPLANATION:

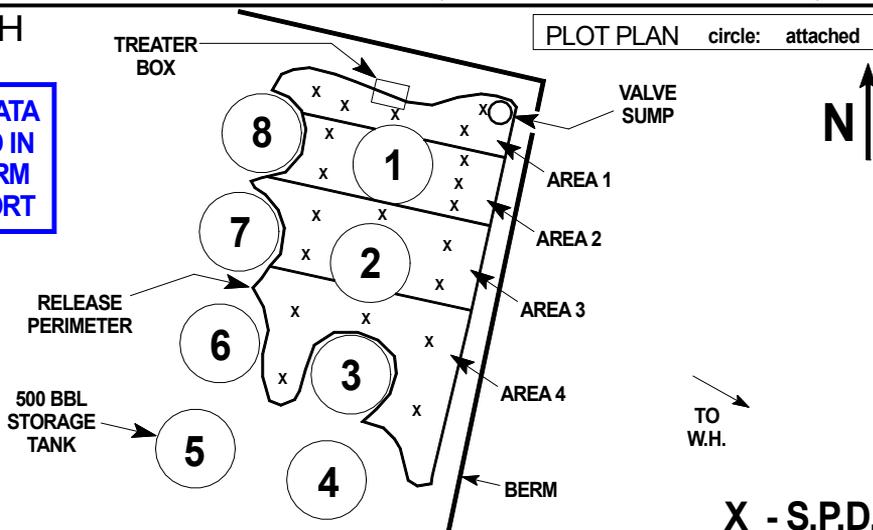
EQUIPMENT SET OVER RECLAIMED AREA: YES / NO EXPLANATION - **NOT APPLICABLE**

OTHER:

EXCAVATION DIMENSION ESTIMATION: **40** ft. X **30** ft. X **?** ft. EXCAVATION ESTIMATION (Cubic Yards): **?**

DEPTH TO GROUNDWATER: **>100'** NEAREST WATER SOURCE: **>1,000'** NEAREST SURFACE WATER: **>1,000'** NMOCD TPH CLOSURE STD: **2,500** ppm

SITE SKETCH



OVM CALIB. READ. = **100.2** ppm RF=1.00
 OVM CALIB. GAS = **100** ppm
 TIME: **10:20** (am/pm) DATE: **05/22/20**

MISCELL. NOTES

PO: _____
 AFE #: _____
 SIO #: _____
 GL #: _____
 Permit date(s): _____
 OCD Appr. date(s): _____
 Tank ID: _____ OVM = Organic Vapor Meter ppm = parts per million
 BGT Sidewalls Visible: Y / N
 BGT Sidewalls Visible: Y / N
 BGT Sidewalls Visible: Y / N

Magnetic declination: **10° E**

NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA = NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.

NOTES: **GOOGLE EARTH IMAGERY DATE: 10/5/2016** ONSITE: **05/22/20**

CLIENT: **SIMCOE**

COTTONWOOD CONSULTING LLC
P.O. BOX 1653, DURANGO, COLO. 81302
(970) 764-7356

API #: **3004527340**

TANK ID (if applicable): **-**

FIELD REPORT:

(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION OTHER:

Storage Tank Overflow Release Closure

PAGE #: **1** of **1**

SITE INFORMATION:

SITE NAME: **NEBU Pump Mesa SWD # 1**

DATE STARTED: **08/20/20**

QUAD/UNIT: **N SEC: 36 TWP: 31N RNG: 8W PM: NM CNTY: SJ ST: NM**

DATE FINISHED:

1/4 - 1/4 FOOTAGE: **990'S / 1,600'W SE/SW** LEASE TYPE: FEDERAL / STATE / FEE / INDIAN

ENVIRONMENTAL

LEASE #: **E. 3707 - 4** PROD. FORMATION: **-** CONTRACTOR: **KELLY O.F.S. BPX - D. BULLER**

SPECIALIST(S): **NJV**

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.: **36.850217 X 107.630326** GL ELEV.: **6,430'**

1) **POR2 (tank 1)** GPS COORD.: **36.850436 X 107.630739** DISTANCE/BEARING FROM P&A: **144.5', N56W**

2) GPS COORD.: DISTANCE/BEARING FROM P&A:

3) GPS COORD.: DISTANCE/BEARING FROM P&A:

4) GPS COORD.: DISTANCE/BEARING FROM P&A:

SAMPLING DATA:

CHAIN OF CUSTODY RECORD(S) # OR LAB USED: **ENVIROTECH**

OVM READING (ppm)

SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:	OVM READING (ppm)
1) 14 TOTAL SAMPLES COLLECTED			TPH (8015)	
2)			BTEX (8021)	
3)			CHLORIDE	
4)				
5)				

SOIL DESCRIPTION:

SOIL TYPE: SAND / SILTY SAND / SILT SILTY CLAY CLAY GRAVEL OTHER **GRAVEL AT GROUND SURFACE ONLY**

SOIL COLOR: **MOSTLY DARK YELLOWISH ORANGE**

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

HC ODOR DETECTED: YES / NO EXPLANATION - **SEE PID READINGS WITHIN ATTACHED SUMMARY TABLE**

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

ANY AREAS DISPLAYING WETNESS: YES / NO EXPLANATION - **MAINLY FROM HYDRO - VAC OPERATION**

SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. **5**

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - **OILY SURFACE AND GRAYISH BENEATH SURFACE EQUIPMENT.**

SITE OBSERVATIONS:

LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION -

APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES / NO EXPLANATION: **OVERFLOW OF STORAGE TANK #1**

EQUIPMENT SET OVER RECLAIMED AREA: YES NO EXPLANATION -

OTHER: **NMOC REP. NOT PRESENT TO WITNESS SAMPLING. SILTY CLAY TO CLAY APPROXIMATELY 1.75 TO 2 FT. BELOW GRADE. AREA #14**

SUPERSATURATED DUE TO HYDROVAC OPERATION.

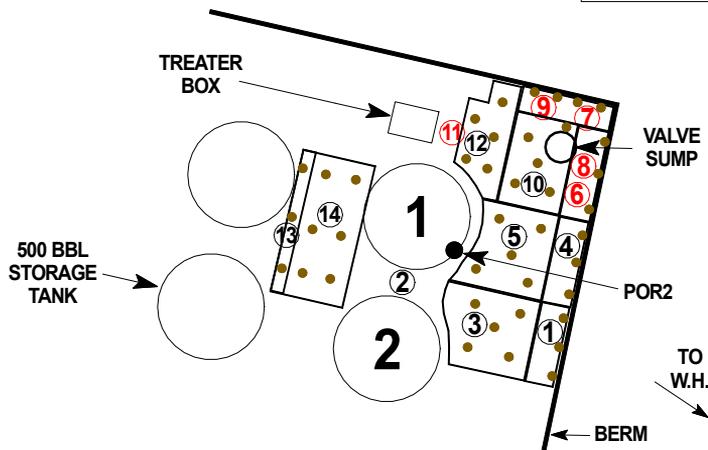
Incident #: **NRM2016448841**

EXCAVATION DIMENSION ESTIMATION: **35** ft. X **73** ft. X **0-7** ft. EXCAVATION ESTIMATION (Cubic Yards): **250** +/-

DEPTH TO GROUNDWATER: **>100'** NEAREST WATER SOURCE: **>1,000'** NEAREST SURFACE WATER: **300'<x<1,000'** NMOC TPH CLOSURE STD: **2,500** ppm

SITE SKETCH

PLOT PLAN circle: attached



OVM CALIB. READ. = **100.0** ppm RF=1.00

OVM CALIB. GAS = **100** ppm

TIME: **11:05** (am/pm) DATE: **08/20/20**

MISCELL. NOTES

PO:

AFE #:

SIO #:

GL #:

Permit date(s):

OCD Appr. date(s):

Tank ID OVM = Organic Vapor Meter ppm = parts per million

BGT Sidewalls Visible: **Y / N**

BGT Sidewalls Visible: **Y / N**

BGT Sidewalls Visible: **Y / N**

Magnetic declination: **10° E**

NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA = NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.

NOTES: **GOOGLE EARTH IMAGERY DATE: 10/5/2016** ONSITE: **08/20/20**

CLIENT: **SIMCOE**

COTTONWOOD CONSULTING LLC
P.O. BOX 1653, DURANGO, COLO. 81302
(970) 764-7356

API #: **3004527340**

TANK ID (if applicable): **-**

FIELD REPORT:

(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION OTHER:

Storage Tank Overflow Release Closure

PAGE #: **3** of **3**

SITE INFORMATION:

SITE NAME: **NEBU Pump Mesa SWD # 1**

DATE STARTED: **08/28/20**

QUAD/UNIT: **N SEC: 36 TWP: 31N RNG: 8W PM: NM CNTY: SJ ST: NM**

DATE FINISHED: **09/08/20**

1/4 - 1/4 FOOTAGE: **990'S / 1,600'W SE/SW** LEASE TYPE: FEDERAL / STATE / FEE / INDIAN

ENVIRONMENTAL SPECIALIST(S): **NJV**

LEASE #: **E. 3707 - 4** PROD. FORMATION: **-** CONTRACTOR: **KELLY O.F.S. BPX - D. BULLER**

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.: **36.850217 X 107.630326** GL ELEV.: **6,430'**

1) POR2 (tank 1)	GPS COORD.: 36.850436 X 107.630739	DISTANCE/BEARING FROM P&A: 144.5', N56W
2)	GPS COORD.:	DISTANCE/BEARING FROM P&A:
3)	GPS COORD.:	DISTANCE/BEARING FROM P&A:
4)	GPS COORD.:	DISTANCE/BEARING FROM P&A:

SAMPLING DATA:

CHAIN OF CUSTODY RECORD(S) # OR LAB USED: **ENVIROTECH**

OVM READING (ppm)

1) SAMPLE ID:	16 TOTAL SAMPLES COLLECTED	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:	TPH (8015)	
2) SAMPLE ID:		SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:	BTEX (8021)	
3) SAMPLE ID:		SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:	CHLORIDE	
4) SAMPLE ID:		SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:		
5) SAMPLE ID:		SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:		

SOIL DESCRIPTION:

SOIL TYPE: SAND / SILTY SAND / SILT SILTY CLAY CLAY GRAVEL OTHER **GRAVEL AT GROUND SURFACE ONLY**

SOIL COLOR: **MOSTLY DARK YELLOWISH ORANGE**

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. **5**

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - **OILY SURFACE AND GRAYISH BENEATH SURFACE EQUIPMENT.**

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

HC ODOR DETECTED: YES / NO EXPLANATION - **SEE PID READINGS WITHIN ATTACHED SUMMARY TABLE**

ANY AREAS DISPLAYING WETNESS: YES / NO EXPLANATION - **MAINLY FROM HYDRO - VAC OPERATION**

SITE OBSERVATIONS:

LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION -

APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES / NO EXPLANATION: **OVERFLOW OF STORAGE TANK #1**

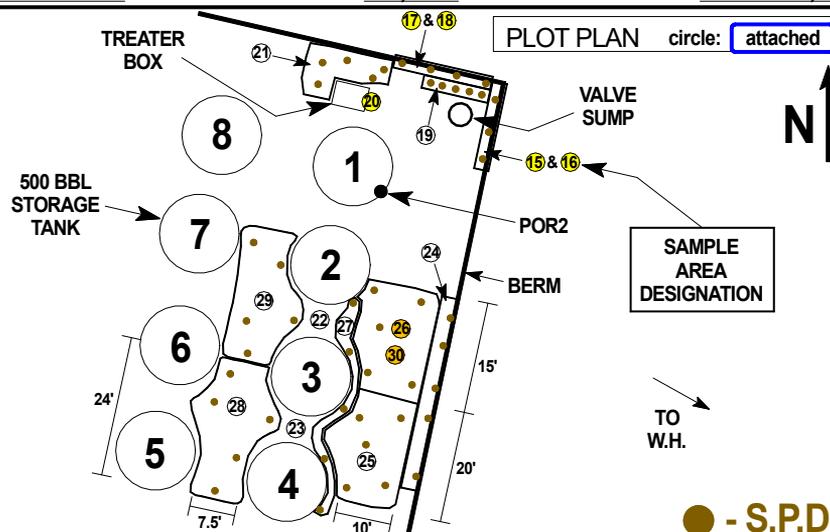
EQUIPMENT SET OVER RECLAIMED AREA: YES NO EXPLANATION -

OTHER: **NMOCED REP. NOT PRESENT TO WITNESS SAMPLING. SILTY CLAY TO CLAY APPROXIMATELY 1.75 TO 2 FT. BELOW GRADE. AREAS #25, #26, #27, #28, & #29 SATURATED TO SUPERSATURATED DUE TO HYDROVAC OPERATION.** Incident #: **NRM2016448841**

EXCAVATION DIMENSION ESTIMATION: **35** ft. X **73** ft. X **0-7** ft. EXCAVATION ESTIMATION (Cubic Yards): **250** +/-

DEPTH TO GROUNDWATER: **>100'** NEAREST WATER SOURCE: **>1,000'** NEAREST SURFACE WATER: **300' < X < 1,000'** NMOCED TPH CLOSURE STD: **2,500** ppm

SITE SKETCH



OVM CALIB. READ. = **100.0** ppm RF=1.00

OVM CALIB. GAS = **100** ppm

TIME: **9:23** am/pm DATE: **08/28/20**

MISCELL. NOTES

NMOCED NOTIFIC.: **08/26/20**

SAMPLE DATE: **08/28/20**

NMOCED NOTIFIC.: **09/03/20**

SAMPLE DATE: **09/08/20**

Tank ID	OVM = Organic Vapor Meter ppm = parts per million
	BGT Sidewalls Visible: Y / N
	BGT Sidewalls Visible: Y / N
	BGT Sidewalls Visible: Y / N

Magnetic declination: **10° E**

NOTES: **GOOGLE EARTH IMAGERY DATE: 10/5/2016** ONSITE: **05/22/20, 08/20/20, 08/28/20, 09/08/20**

FIELD / LAB

TEST RESULT

SUMMARY

SIMCOE LLC

(BP as Contractor)

NEBU Pump Mesa SWD 001 - API: 30-045-27340

(N) Sec 36 – T31N – R08W, San Juan County, New Mexico

Storage Tank Overflow Release Test Results

Incident #: NRM2016448841

August 20, 2020

Sample ID	Sampled Type	Date Sampled	Time Sampled	Field OVM (ppm)	Benzene (mg/Kg)	Total BTEX (mg/Kg)	TPH GRO (mg/Kg)	TPH DRO (mg/Kg)	TPH MRO (mg/Kg)	TPH (GRO + DRO) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
1 E. SW @ 2'	3 pt. Comp.	8/20/20	1346	52.6	ND	0.0781	ND	60.9	ND	60.9	60.9	20.7
2 tank 1 & 2 @ 1.75'	Grab	8/20/20	1349	67	ND	ND	ND	ND	ND	ND	ND	ND
3 E. Base @ 2'-4'	5 pt. Comp.	8/20/20	1355	11.5	ND	ND	ND	ND	ND	ND	ND	ND
4 E. SW @ 2'	3 pt. Comp.	8/20/20	1358	27.6	ND	ND	ND	ND	ND	ND	ND	ND
5 E. Base @ 3'-4'	5 pt. Comp.	8/20/20	1402	387	ND	0.186	ND	40.7	ND	40.7	40.7	ND
6 E. LSW @ 4'	3 pt. Comp.	8/20/20	1432	1,420	0.0290	22.835	163	3,100	1,940	3,263	5,203	ND
7 N. LSW @ 4'	4 pt. Comp.	8/20/20	1438	2,031	ND	11.719	88.7	1,730	1,050	1,818.7	2,868.7	ND
8 E. USW @ 2'	3 pt. Comp.	8/20/20	1444	847	0.0273	19.5673	147	3,620	2,400	3,767	6,167	ND
9 N. USW @ 2'	4 pt. Comp.	8/20/20	1450	700	ND	7.948	77.3	1,470	985	1,547.3	2,532.3	ND
10 NE Base @ 4'-7'	5 pt. Comp.	8/20/20	1456	637	ND	1.06	ND	367	284	367	651	ND
11 ESTB @ 2'	Grab	8/20/20	1525	492	ND	2.7868	36.9	1,040	770	1,076.9	1,846.9	ND
12 N. C Base @ 3'-5'	5 pt. Comp.	8/20/20	1529	9.3	ND	ND	ND	ND	ND	ND	ND	ND
13 N. CA WSW @ 1'	4 pt. Comp.	8/20/20	1536	4.7	ND	ND	ND	26.7	ND	26.7	26.7	ND
14 N. CA Base @ 1.5'-2'	6 pt. Comp.	8/20/20	1545	13.5	ND	ND	ND	58.6	74.5	58.6	133.1	34.8
NMOCD Site Closure Standards -					10	50				1,000	2,500	20,000

Sample ID shorthand: E – East, SW – Sidewall, LSW – Lower sidewall, USW – Upper sidewall, N – North, NE – Northeast, ESTB – East side of treater box, C – Center, CA – Center area, WSW – West sidewall.

Comp. – Composite, OVM – Organic Vapor Meter, ppm – parts per million, mg/Kg – milligram per kilogram, BTEX – benzene, toluene, ethylbenzene, total xylenes, TPH – Total Petroleum Hydrocarbons, GRO – Gasoline Range Organics, DRO – Diesel Range Organics, MRO or ORO – Motor Oil Range Organics, ND – Not detected at laboratory reporting limit.

NEBU Pump Mesa SWD 001 - API: 30-045-27340

(N) Sec 36 – T31N – R08W, San Juan County, New Mexico

Storage Tank Overflow Release Test Results

Incident #: NRM2016448841

August 28 & September 8, 2020

Sample ID	Sampled Type	Date Sampled	Time Sampled	Field OVM (ppm)	Benzene (mg/Kg)	Total BTEX (mg/Kg)	TPH GRO (mg/Kg)	TPH DRO (mg/Kg)	TPH MRO (mg/Kg)	TPH (GRO + DRO) (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
15 E. LSW @ 4'	3 pt. Comp.	8/28/20	0830	0.0	ND	ND	ND	ND	ND	ND	ND	ND
16 N. USW @ 2'	3 pt. Comp.	8/28/20	0833	0.2	ND	ND	ND	ND	ND	ND	ND	ND
17 N. LSW @ 4'	4 pt. Comp.	8/28/20	0835	0.0	ND	ND	ND	ND	ND	ND	ND	ND
18 N. USW @ 2'	4 pt. Comp.	8/28/20	0838	0.0	ND	ND	ND	ND	ND	ND	ND	ND
19 N. Base @ 5'	5 pt. Comp.	8/28/20	0841	1.5	ND	ND	ND	ND	ND	ND	ND	ND
20 ESTB @ 2'	Grab	8/28/20	0843	2.5	ND	ND	ND	ND	ND	ND	ND	ND
21 N. CA Base @ 2'-5'	5 pt. Comp.	8/28/20	0848	6.3	ND	ND	ND	61.3	65.9	61.3	127.2	ND
22 tank 2 & 3 @ 1.5'	Grab	8/28/20	0947	3.6	ND	ND	ND	ND	ND	ND	ND	70.5
23 tank 3 & 4 @ 1.5'	Grab	8/28/20	0950	2.0	ND	ND	ND	ND	ND	ND	ND	252
24 S. ESW @ 1'	5 pt. Comp.	8/28/20	1003	851	ND	2.17	26.9	550	384	576.9	960.9	56.9
25 S. E. Base @ 1.5'-3'	5 pt. Comp.	8/28/20	1010	57.9	ND	ND	ND	ND	ND	ND	ND	44.8
26 E. Base @ 1.5'-3'	5 pt. Comp.	8/28/20	1014	1,168	ND	5.87	64.9	1,300	843	1,364.9	2,207.9	69.9
27 E. Tank SW @ 1.5'	5 pt. Comp.	8/28/20	1023	6.0	ND	ND	ND	ND	ND	ND	ND	99.8
28 CA1 Base @ 1'-1.5'	5 pt. Comp.	8/28/20	1055	4.8	ND	ND	ND	ND	ND	ND	ND	234
29 CA2 Base @ 1'-1.5'	5 pt. Comp.	8/28/20	1102	4.3	ND	ND	ND	ND	ND	ND	ND	29.3
30 E. Base @ 4'-5'	6 pt. Comp.	9/08/20	0910	0.0	ND	ND	ND	ND	ND	ND	ND	ND
NMOCD Site Closure Standards -					10	50				1,000	2,500	20,000

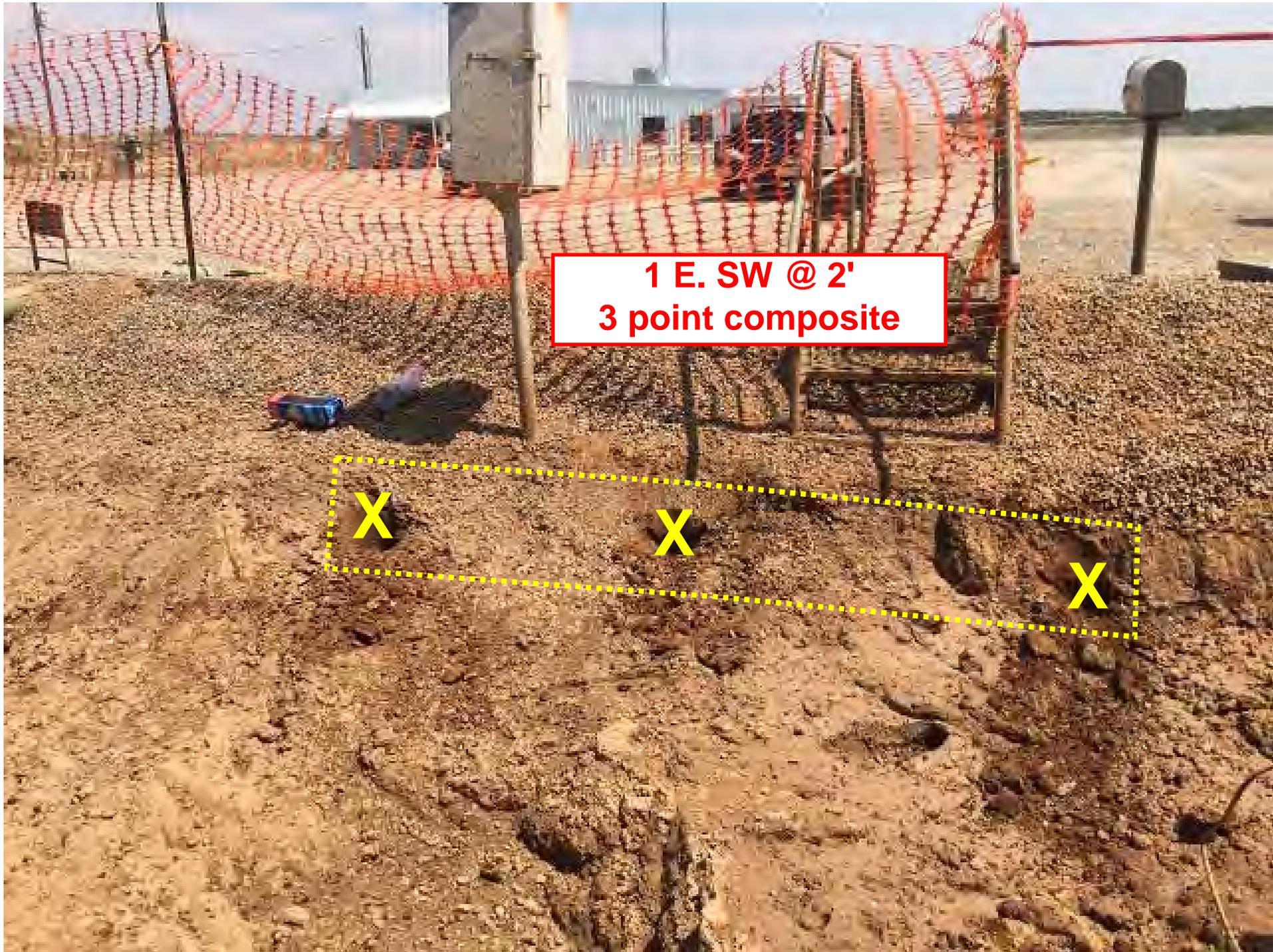
Sample ID shorthand: E – East, SW – Sidewall, LSW – Lower sidewall, USW – Upper sidewall, N – North, NE – Northeast, ESTB – East side of treater box, C – Center, CA – Center area, WSW – West sidewall, S. - South.

Comp. – Composite, OVM – Organic Vapor Meter, ppm – parts per million, mg/Kg – milligram per kilogram, BTEX – benzene, toluene, ethylbenzene, total xylenes, TPH – Total Petroleum Hydrocarbons, GRO – Gasoline Range Organics, DRO – Diesel Range Organics, MRO or ORO – Motor Oil Range Organics, ND – Not detected at laboratory reporting limit.

CLOSURE

PHOTOS

Northeast Blanco Unit Pump Mesa SWD 001



1 E. SW @ 2'
3 point composite

Northeast Blanco Unit Pump Mesa SWD 001

2 tank 1&2 @ 1.75'
grab sample

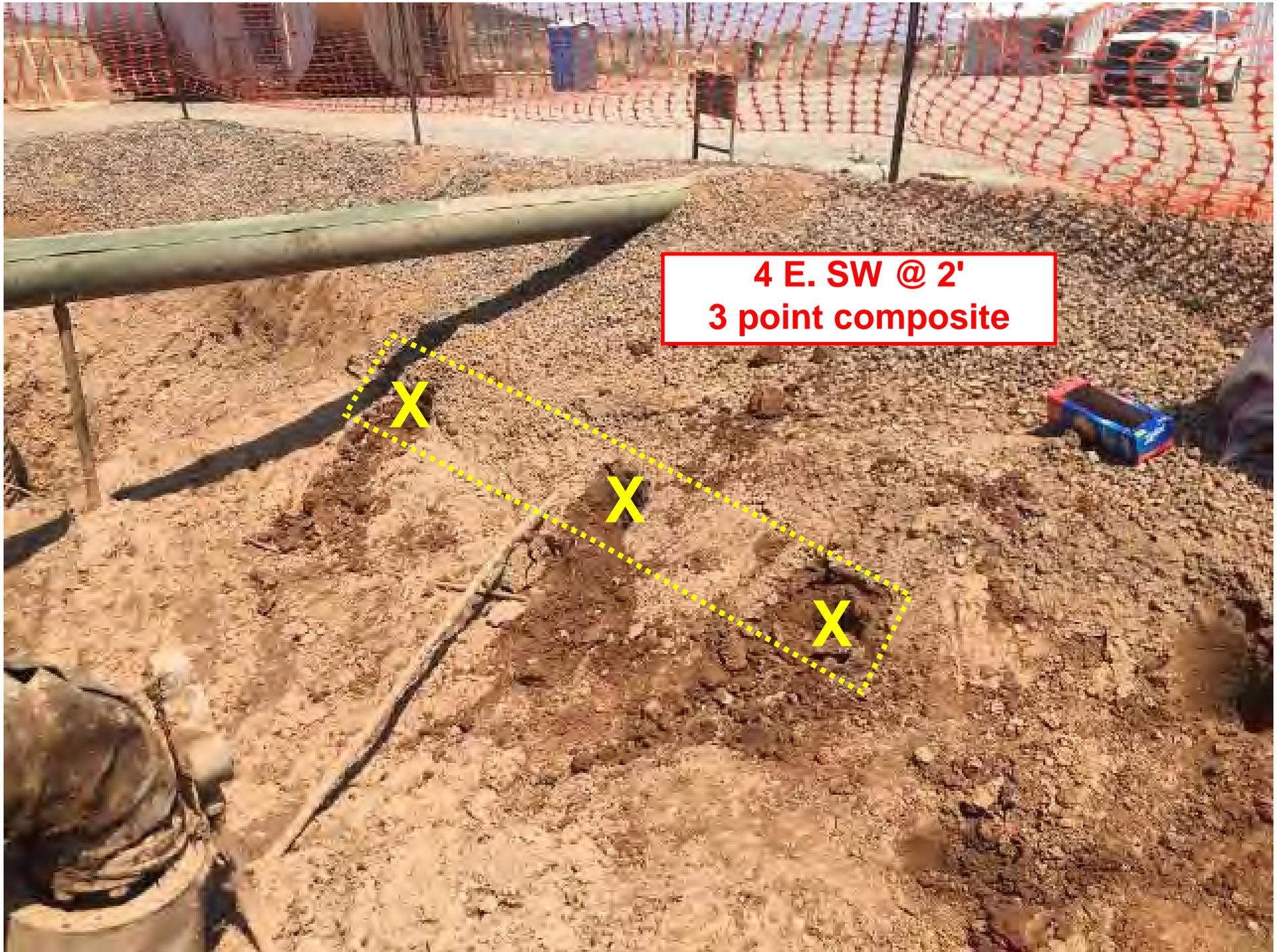


Northeast Blanco Unit Pump Mesa SWD 001

3 E. Base @ 2'-4'
5 point composite



Northeast Blanco Unit Pump Mesa SWD 001



5 E. Base @ 3'-4'
5 point composite



Northeast Blanco Unit Pump Mesa SWD 001

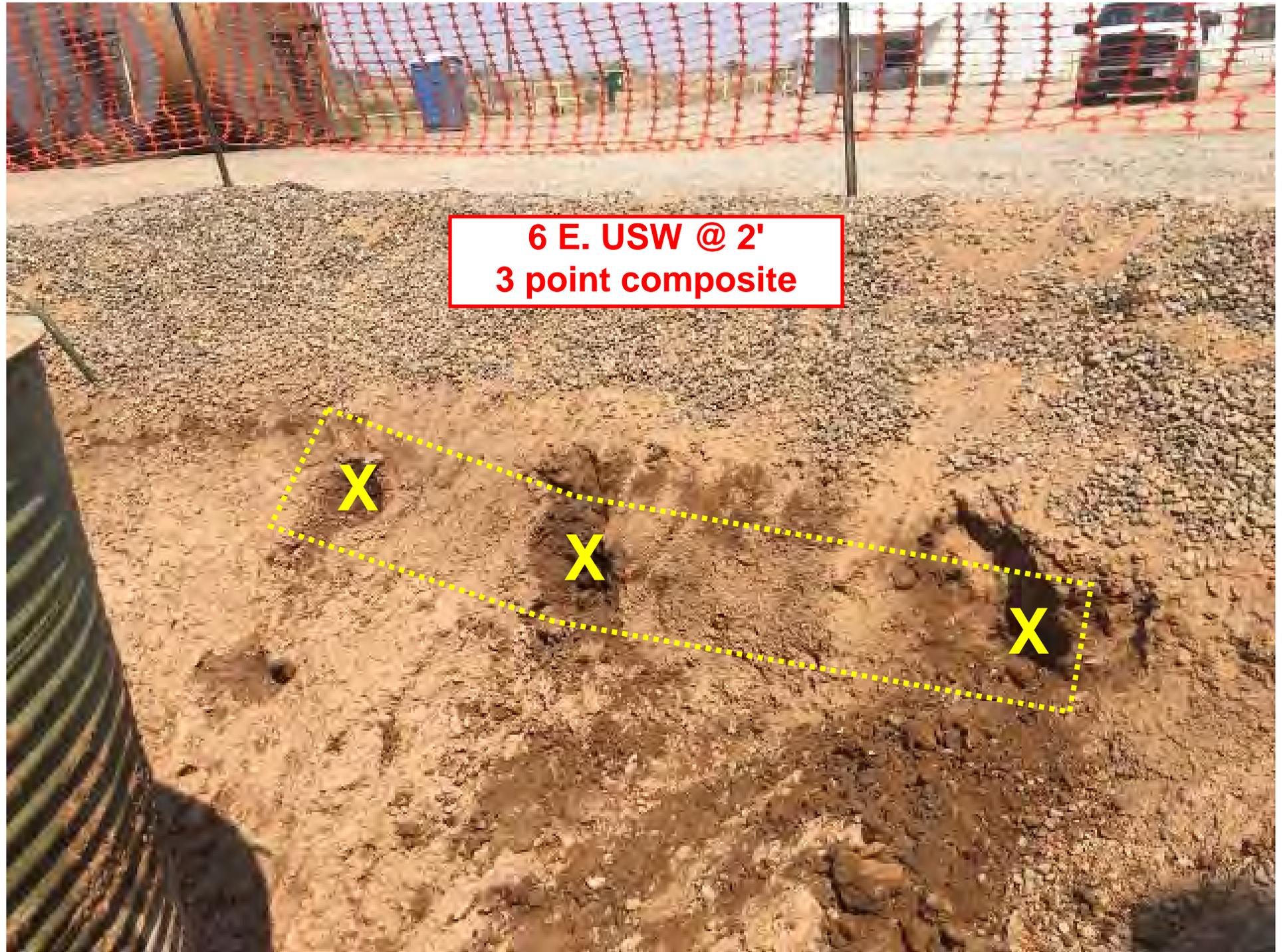
6 E. LSW @ 4'
3 point composite



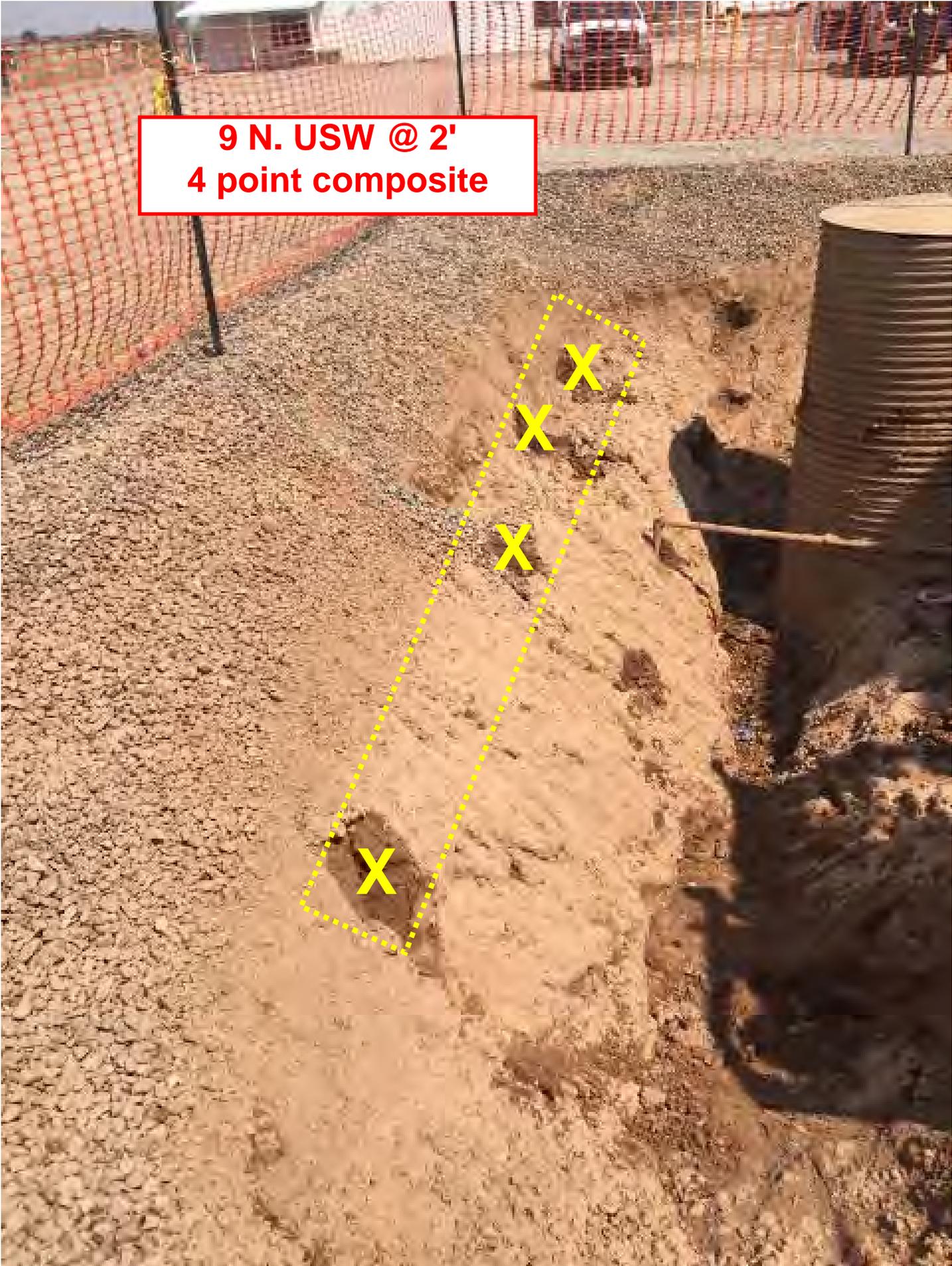
7 N. LSW @ 4'
4 point composite



Northeast Blanco Unit Pump Mesa SWD 001

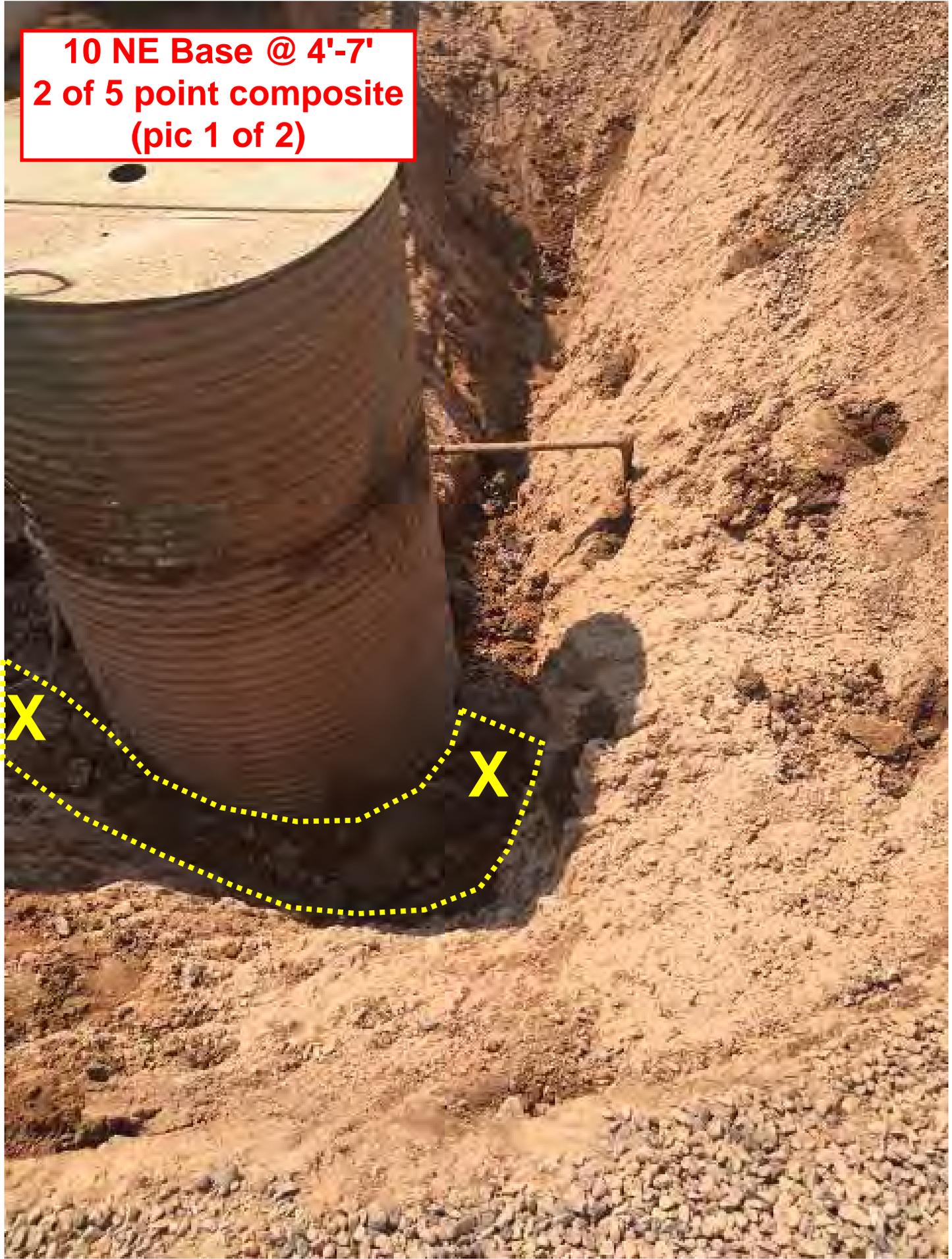


6 E. USW @ 2'
3 point composite

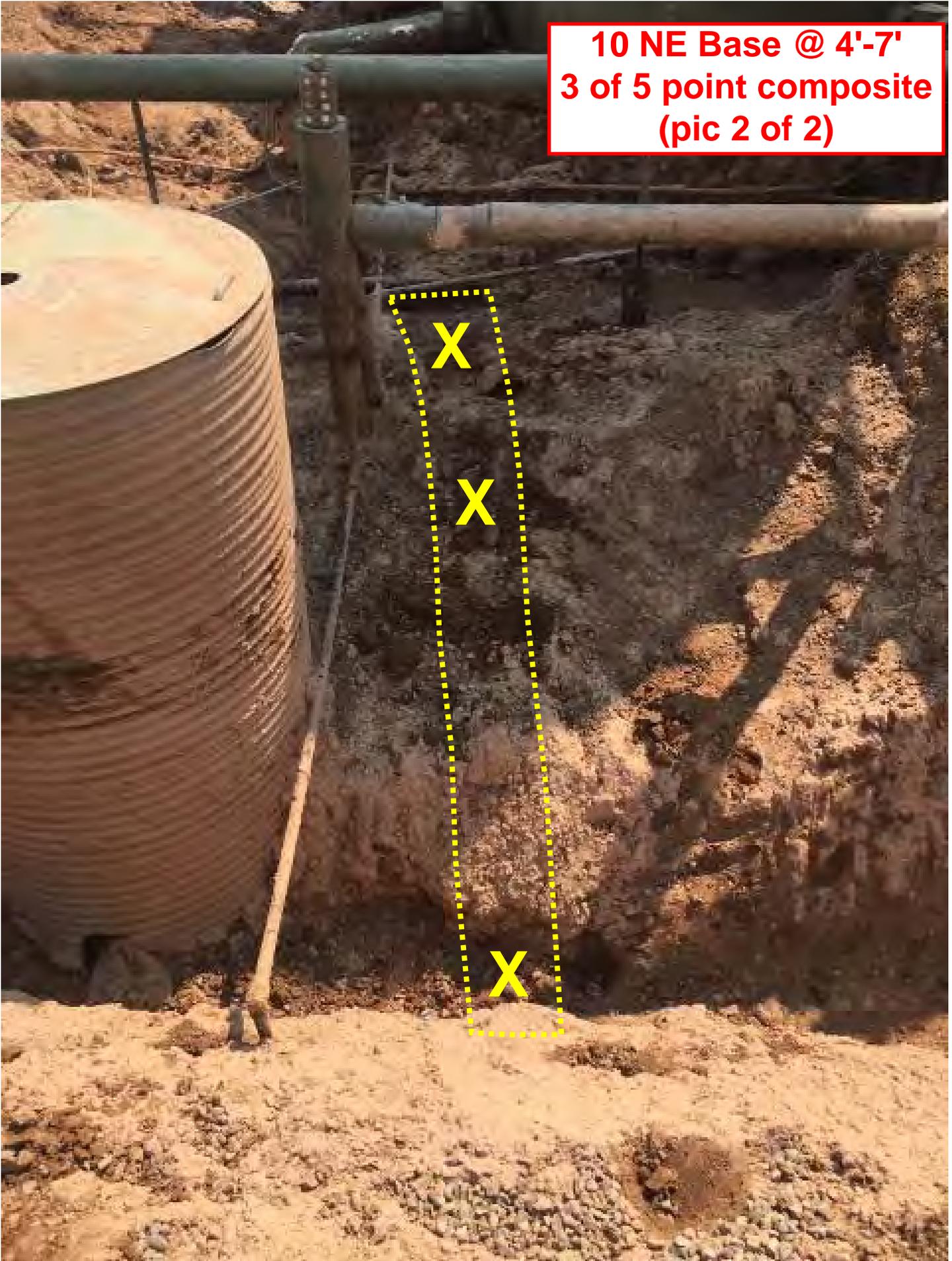


9 N. USW @ 2'
4 point composite

10 NE Base @ 4'-7'
2 of 5 point composite
(pic 1 of 2)



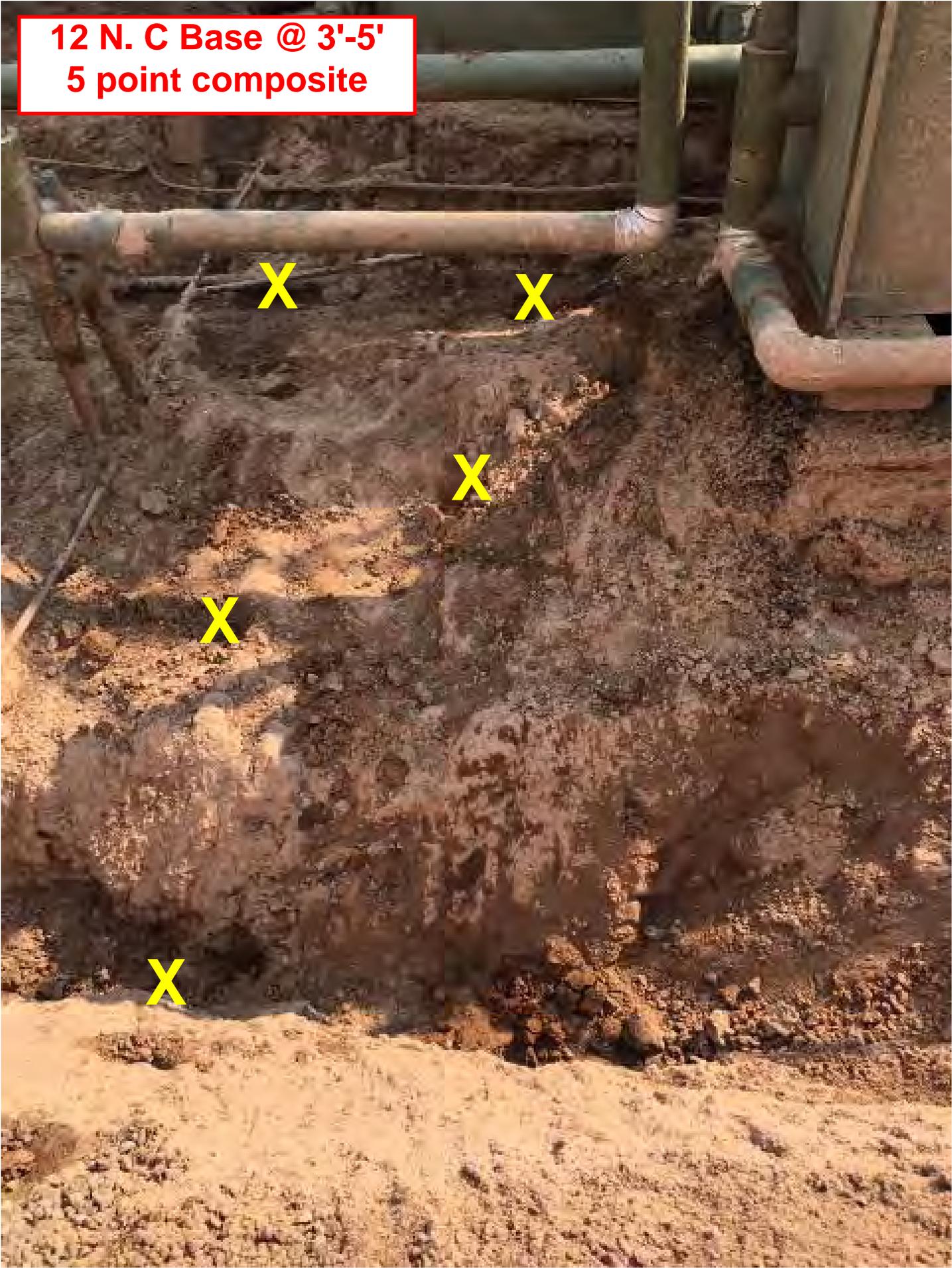
10 NE Base @ 4'-7'
3 of 5 point composite
(pic 2 of 2)



11 ESTB @ 2'
grab sample

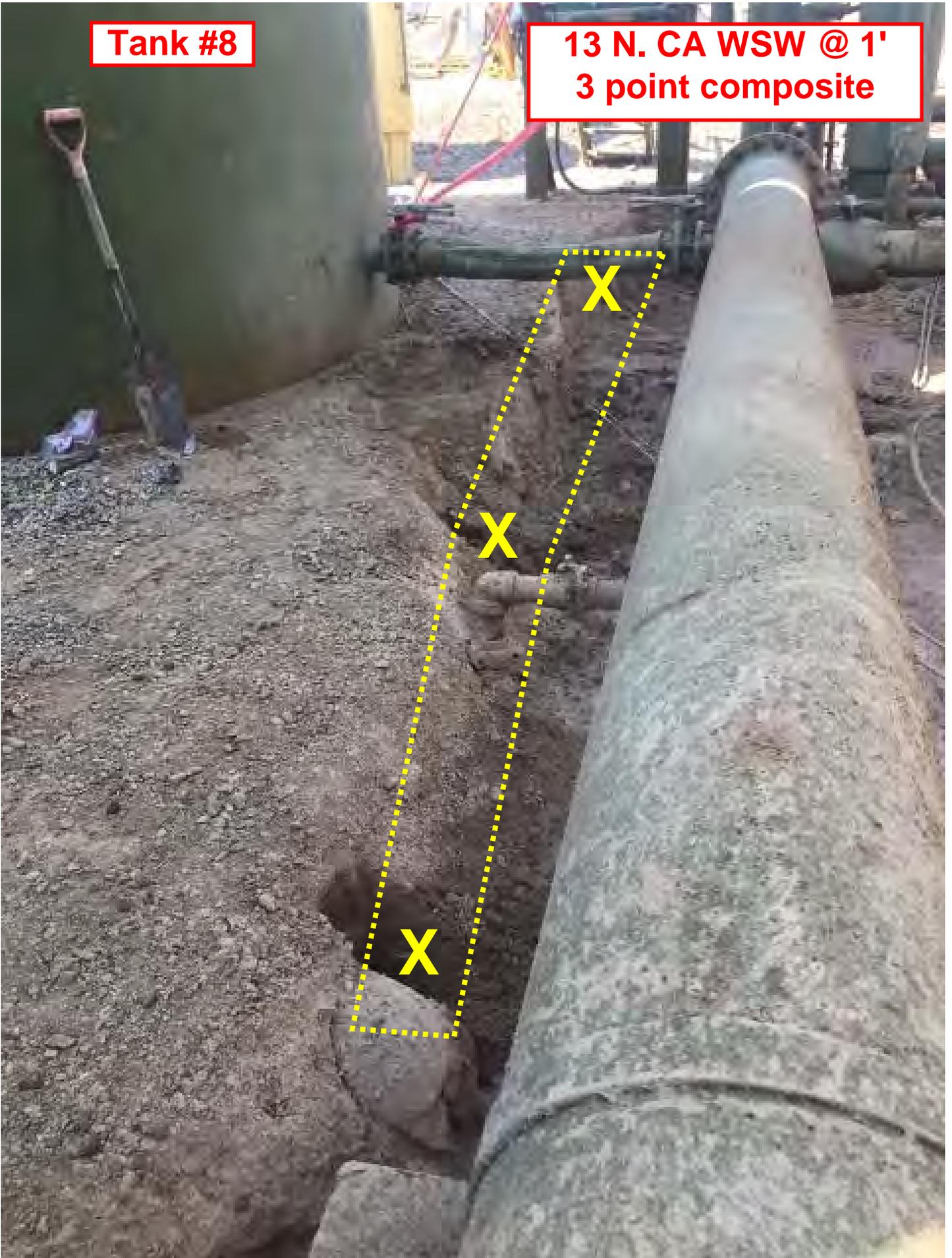
X

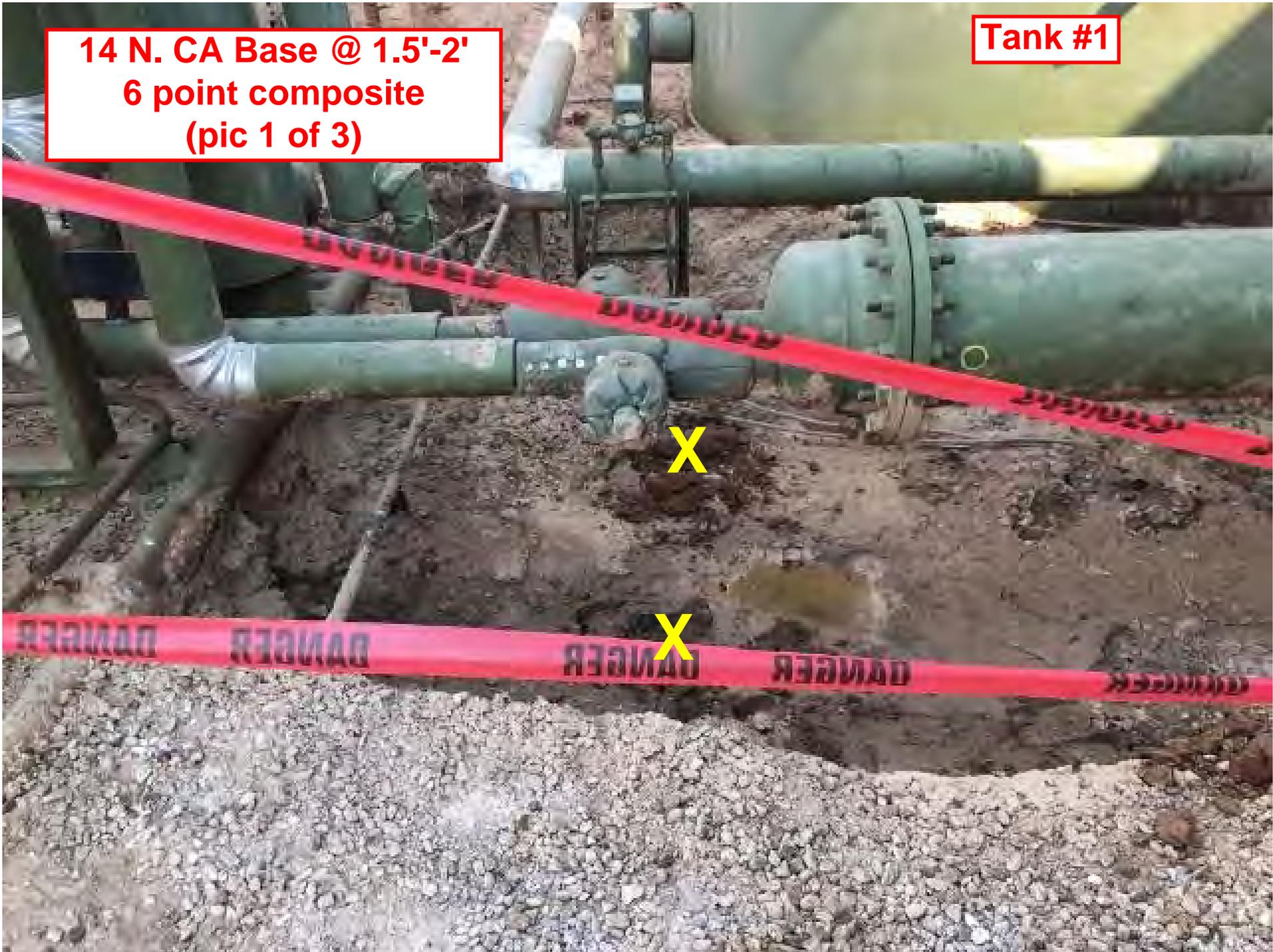
12 N. C Base @ 3'-5'
5 point composite



Tank #8

13 N. CA WSW @ 1'
3 point composite



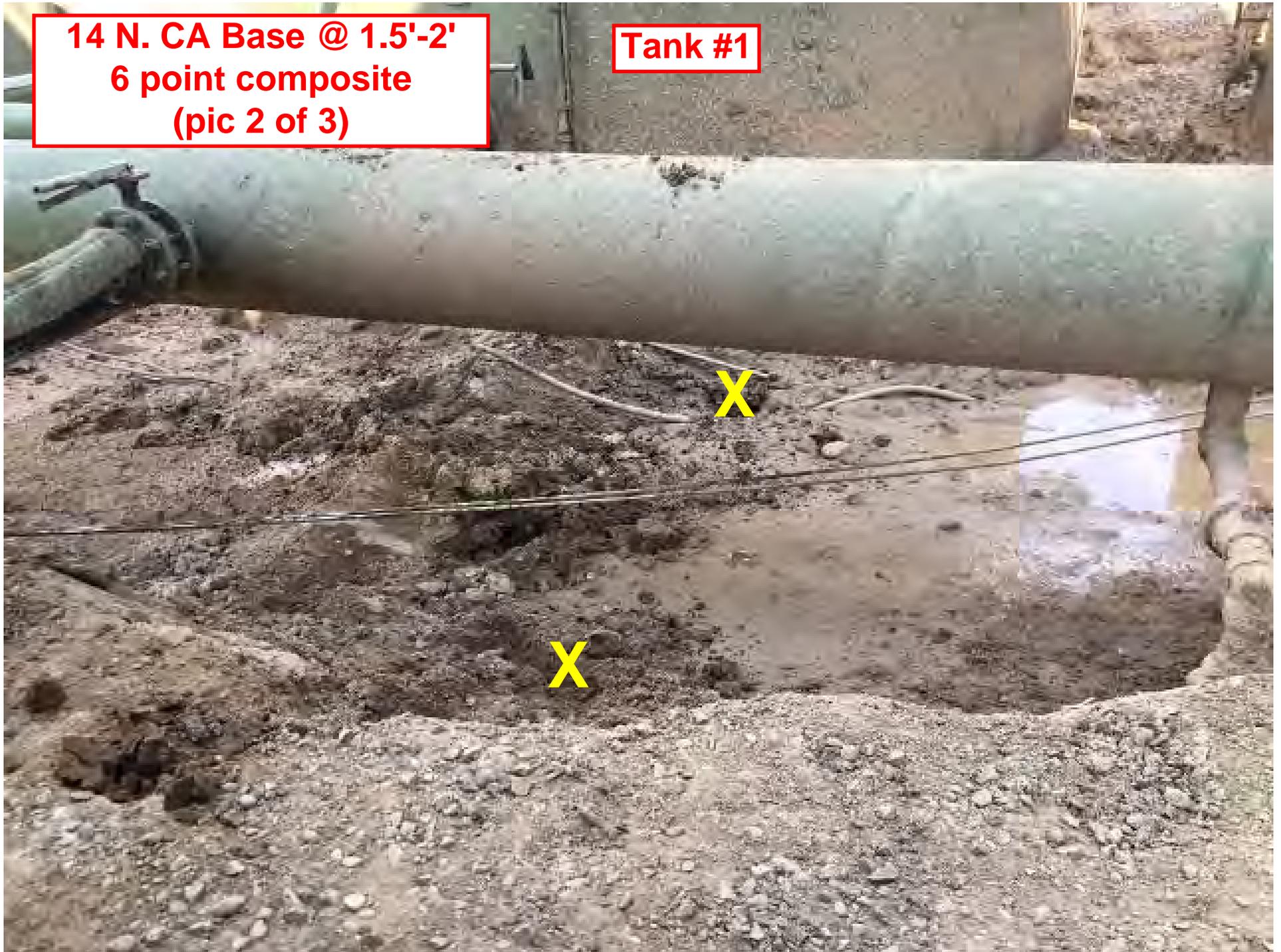


14 N. CA Base @ 1.5'-2'
6 point composite
(pic 1 of 3)

Tank #1

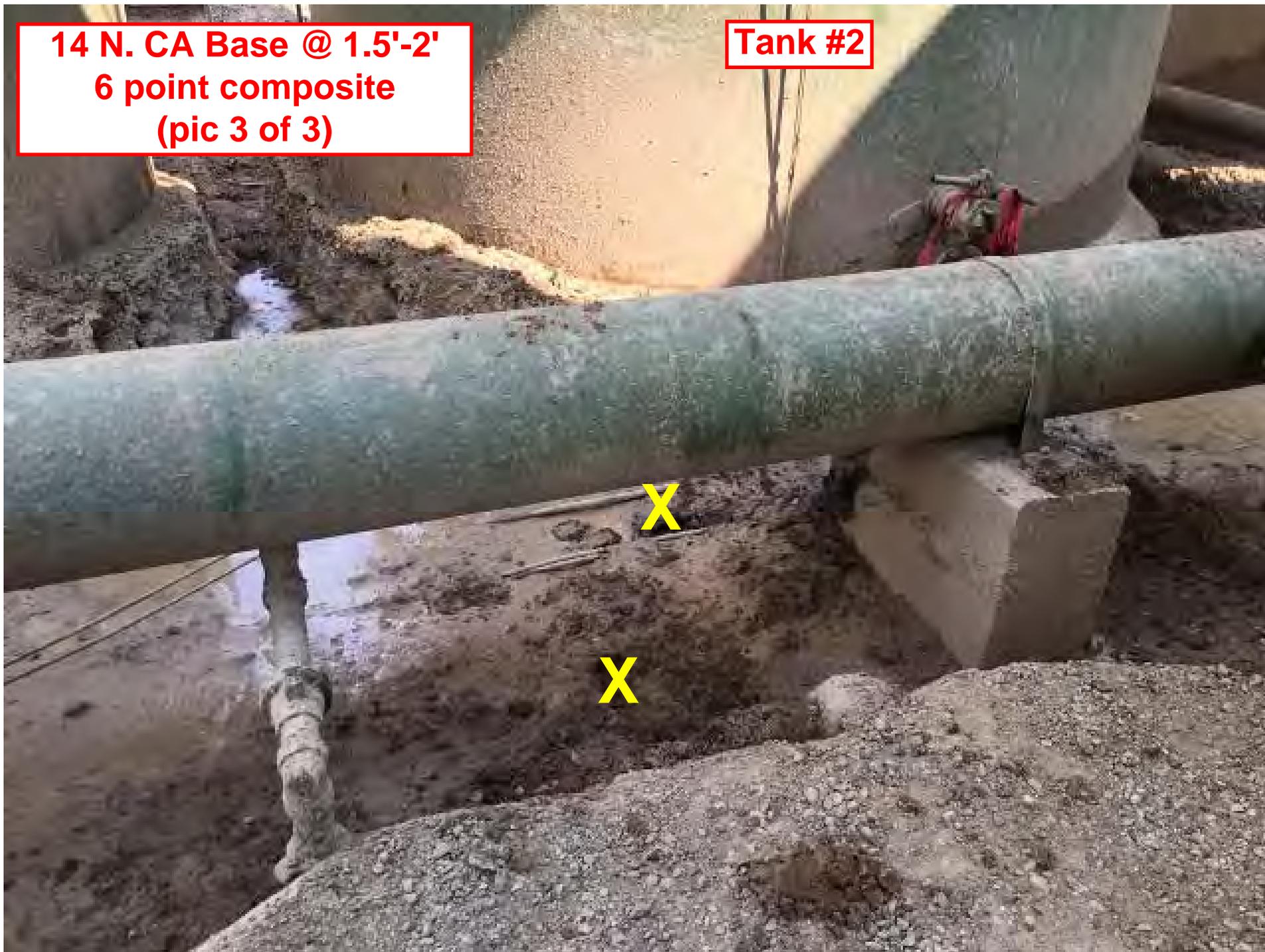
14 N. CA Base @ 1.5'-2'
6 point composite
(pic 2 of 3)

Tank #1

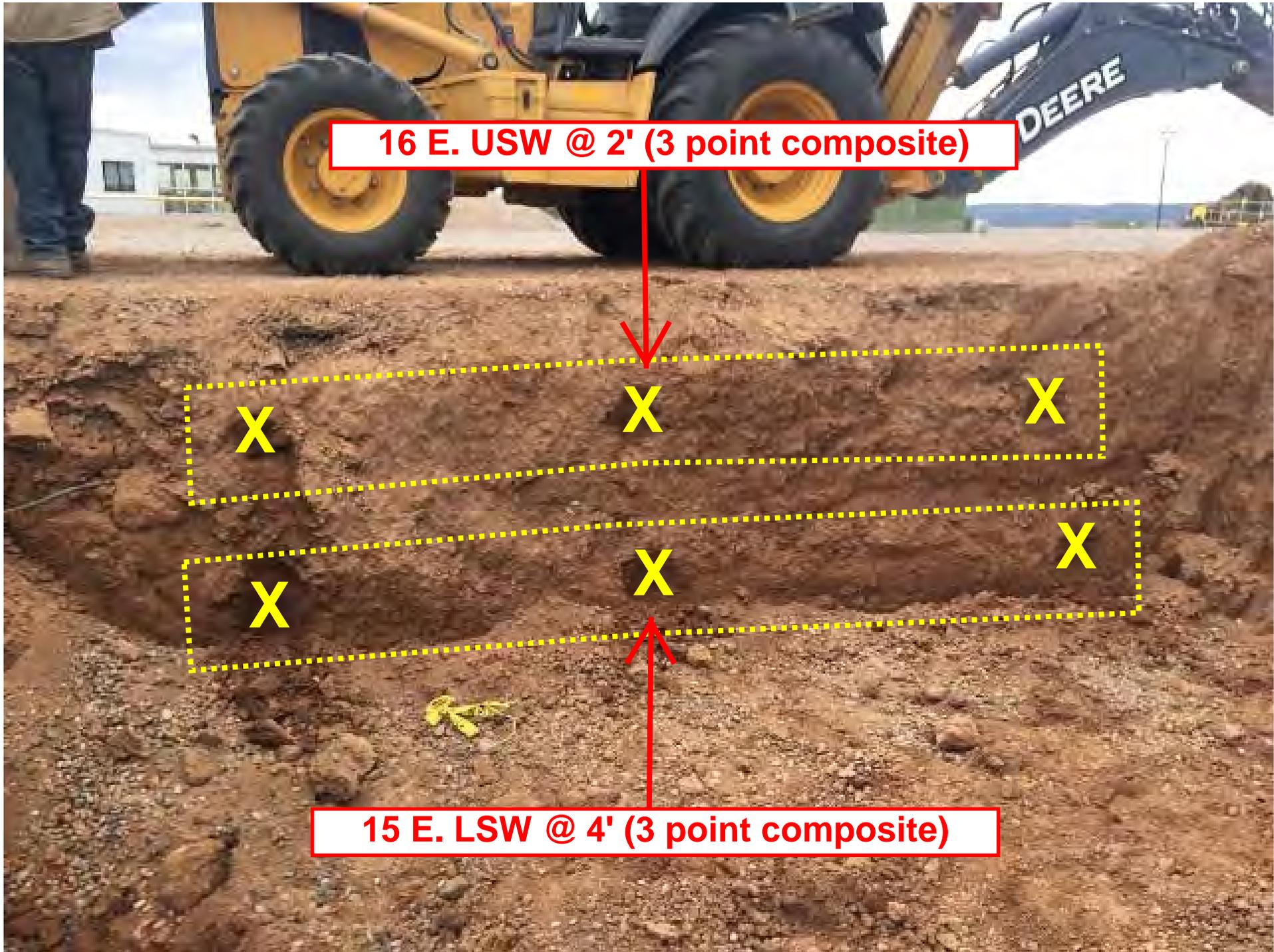


14 N. CA Base @ 1.5'-2'
6 point composite
(pic 3 of 3)

Tank #2



Northeast Blanco Unit Pump Mesa SWD 001

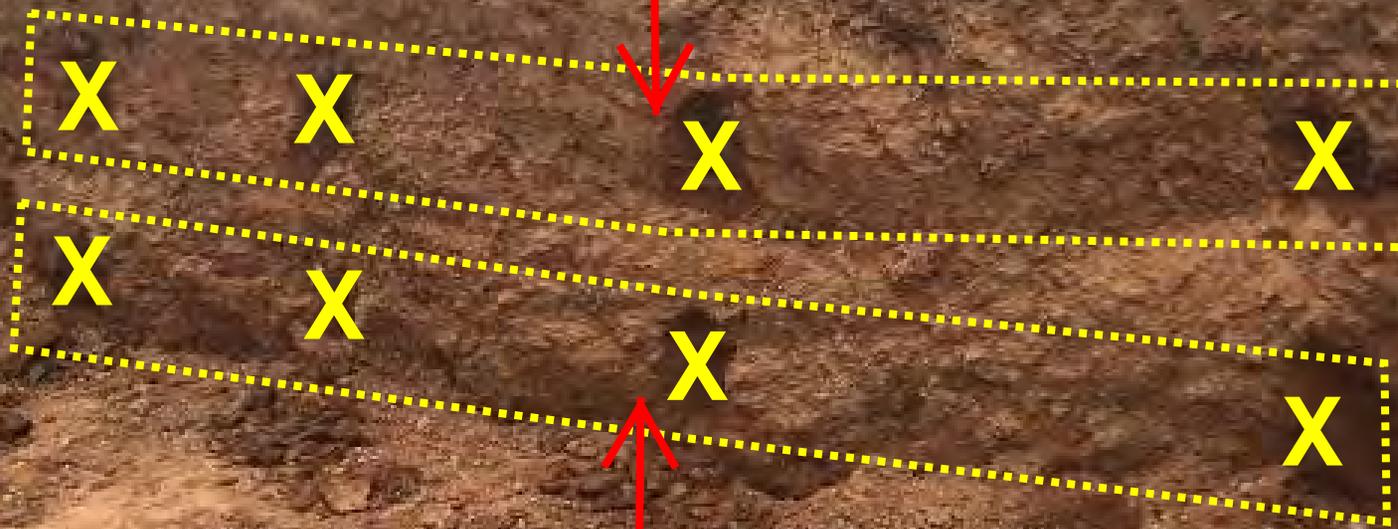


16 E. USW @ 2' (3 point composite)

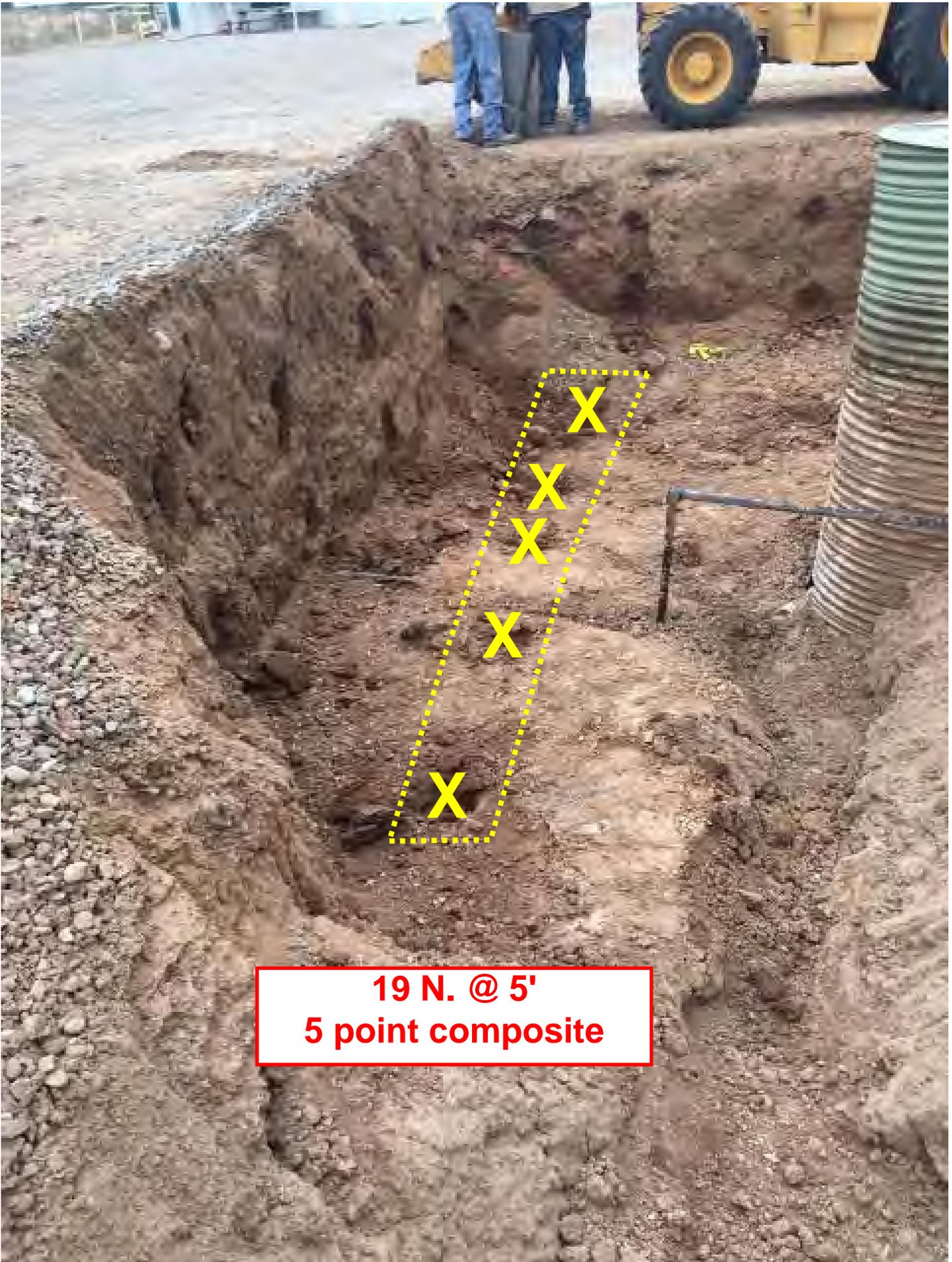
15 E. LSW @ 4' (3 point composite)

Northeast Blanco Unit Pump Mesa SWD 001

18 N. USW @ 2' (3 point composite)

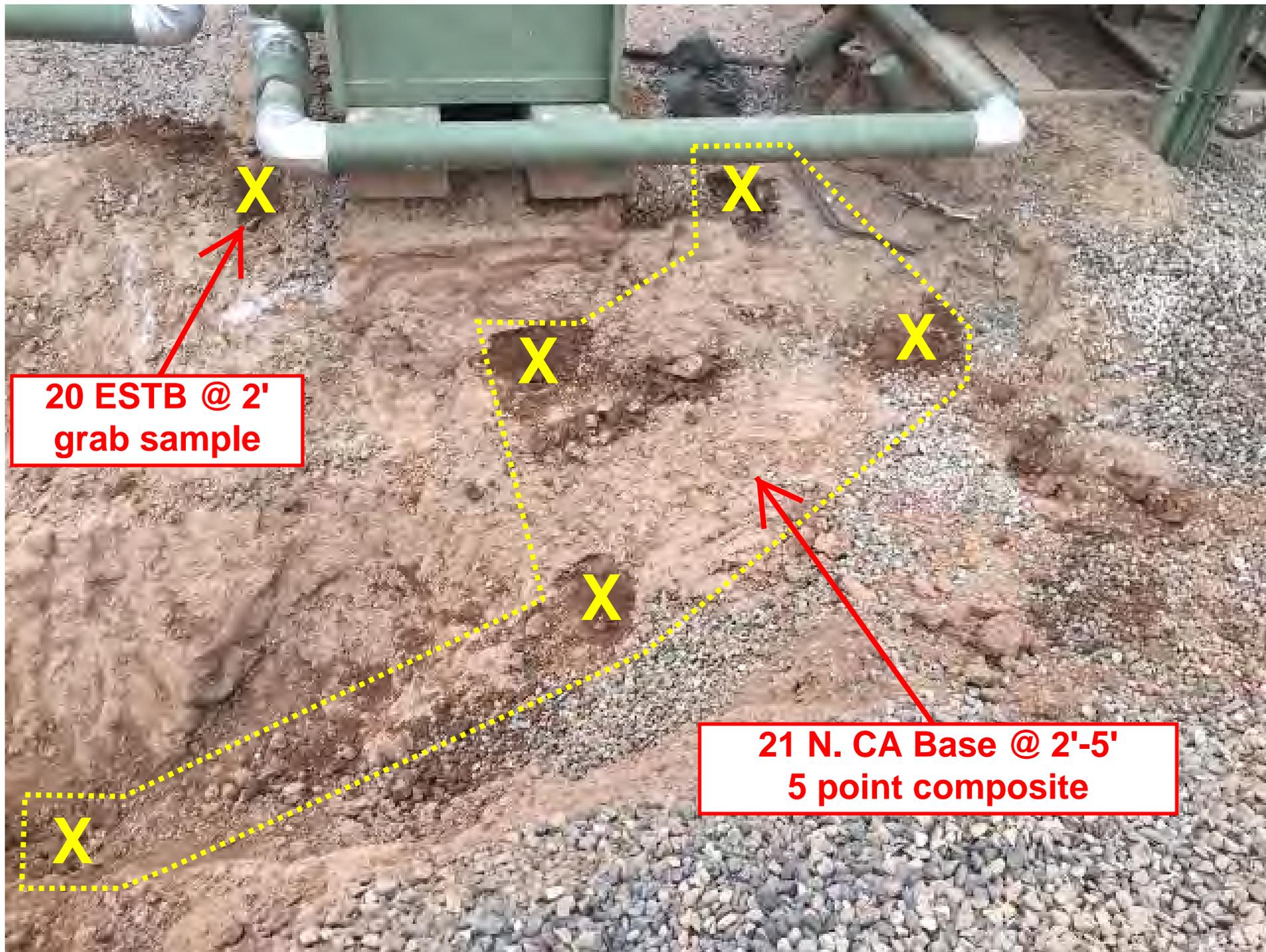


17 N. LSW @ 4' (3 point composite)



19 N. @ 5'
5 point composite

Northeast Blanco Unit Pump Mesa SWD 001



20 ESTB @ 2'
grab sample

21 N. CA Base @ 2'-5'
5 point composite

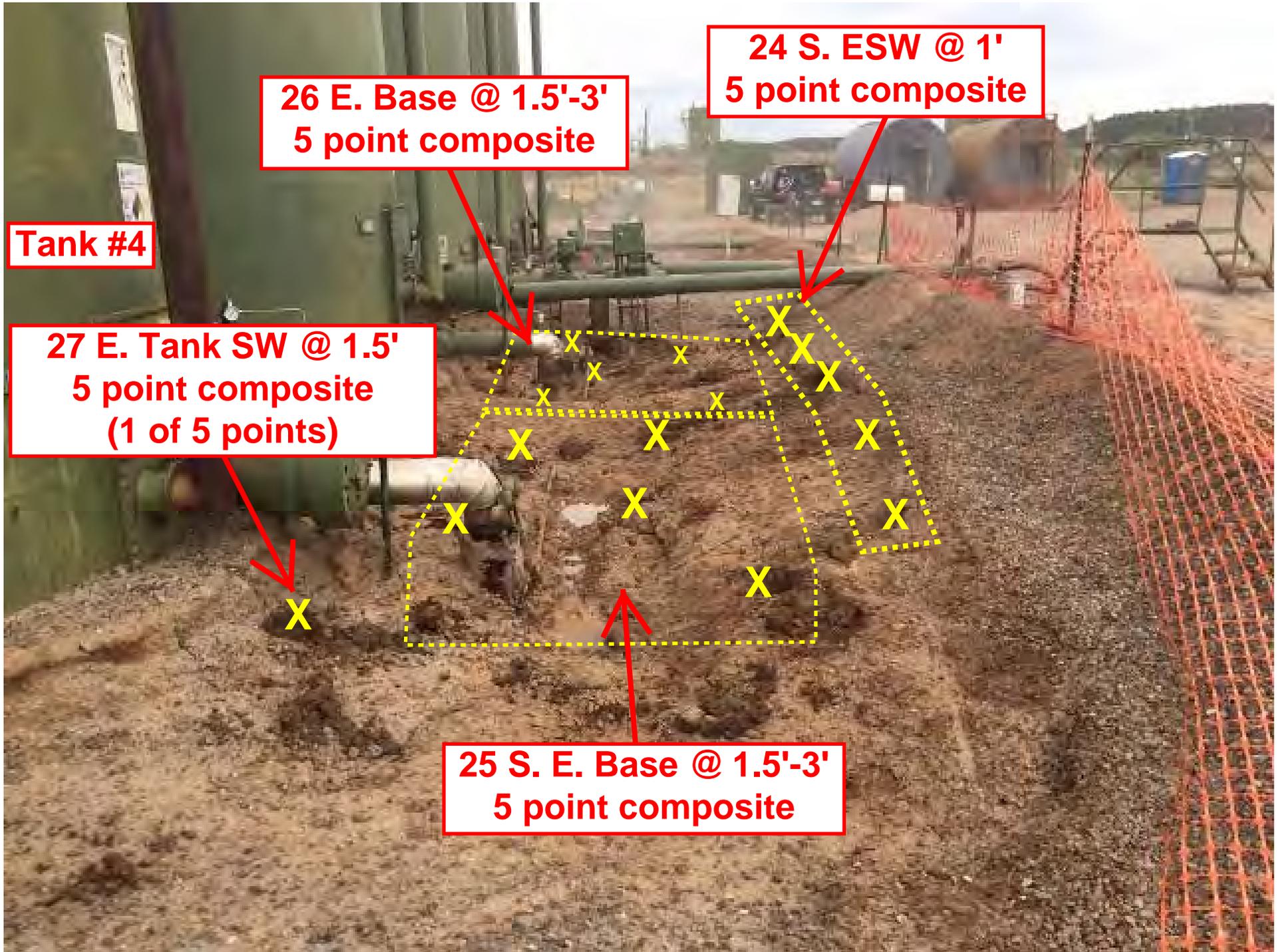
22 tank 2 & 3 @ 1.5'
grab sample



23 tank 3 & 4 @ 1.5'
grab sample



Northeast Blanco Unit Pump Mesa SWD 001



Tank #4

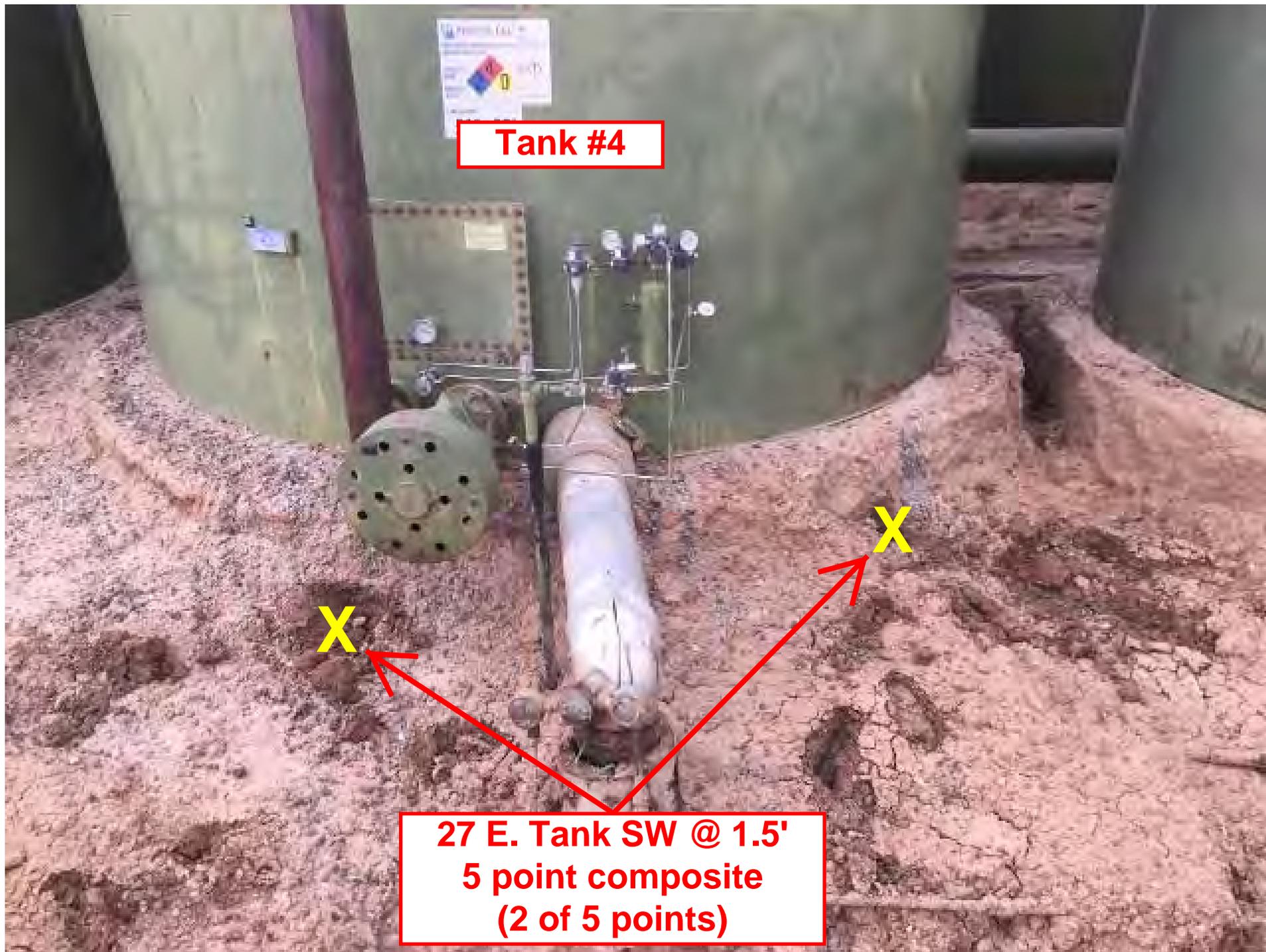
**26 E. Base @ 1.5'-3'
5 point composite**

**24 S. ESW @ 1'
5 point composite**

**27 E. Tank SW @ 1.5'
5 point composite
(1 of 5 points)**

**25 S. E. Base @ 1.5'-3'
5 point composite**

Northeast Blanco Unit Pump Mesa SWD 001



Tank #4

**27 E. Tank SW @ 1.5'
5 point composite
(2 of 5 points)**

Tank #3

**27 E. Tank SW @ 1.5'
5 point composite
(2 of 5 points)**

X

X

**26 E. Base @ 1.5'-3'
5 point composite
(1 of 5 points)**

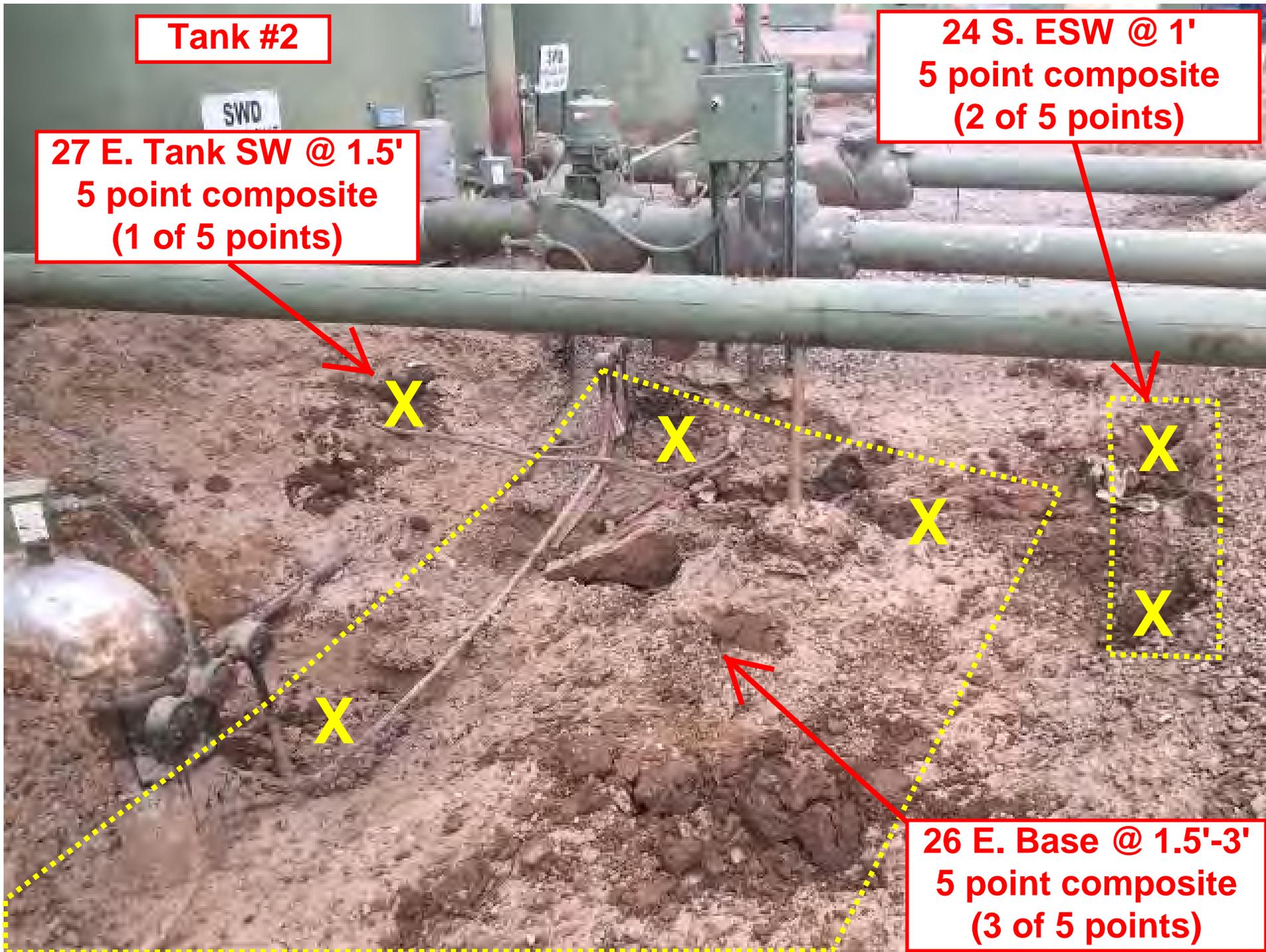
X

Northeast Blanco Unit Pump Mesa SWD 001

Tank #2

27 E. Tank SW @ 1.5'
5 point composite
(1 of 5 points)

24 S. ESW @ 1'
5 point composite
(2 of 5 points)

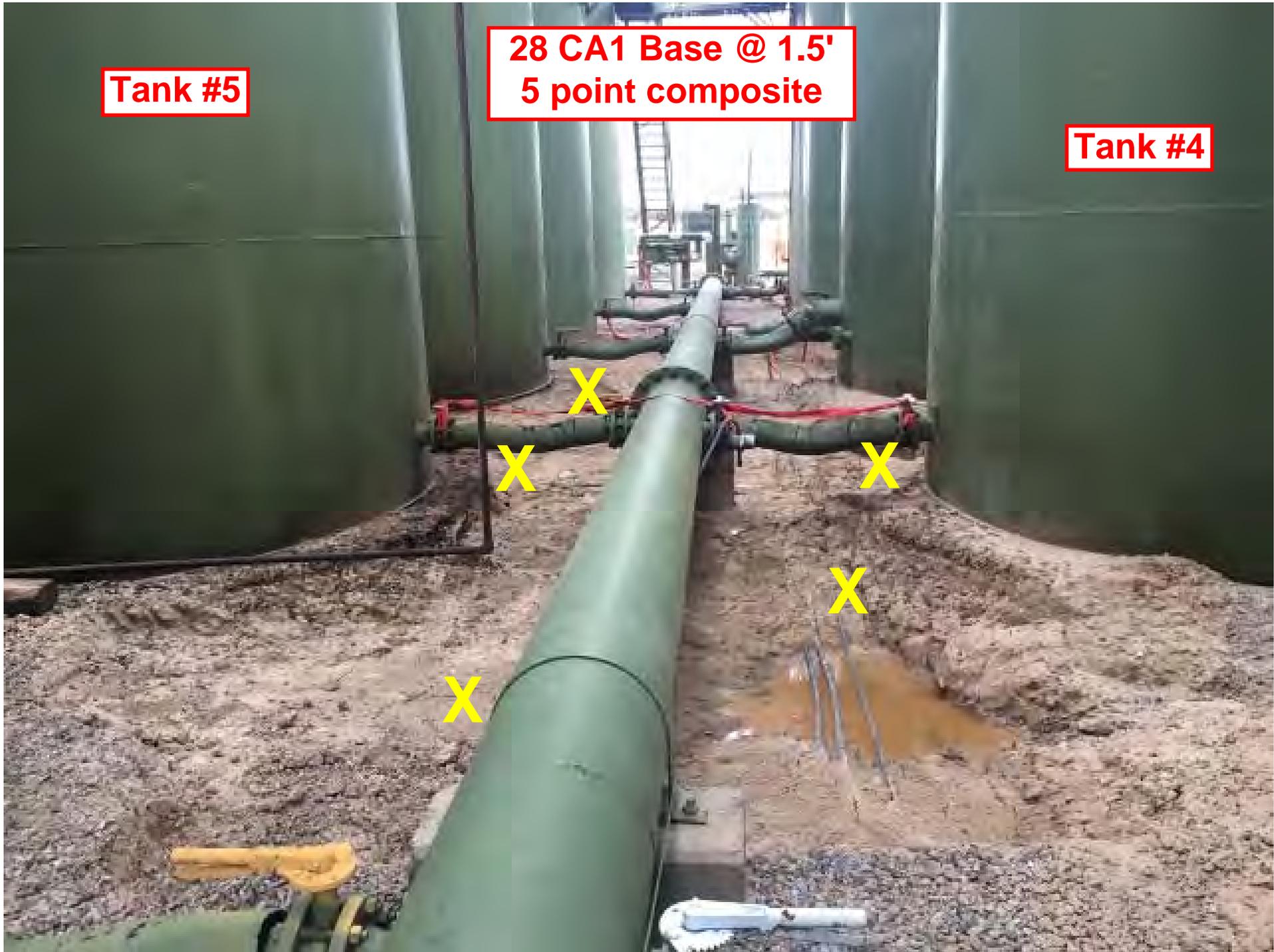


26 E. Base @ 1.5'-3'
5 point composite
(3 of 5 points)

Tank #5

28 CA1 Base @ 1.5'
5 point composite

Tank #4



29 CA2 Base @ 1'-1.5'
5 point composite

Tank #6

Tank #3

X

X

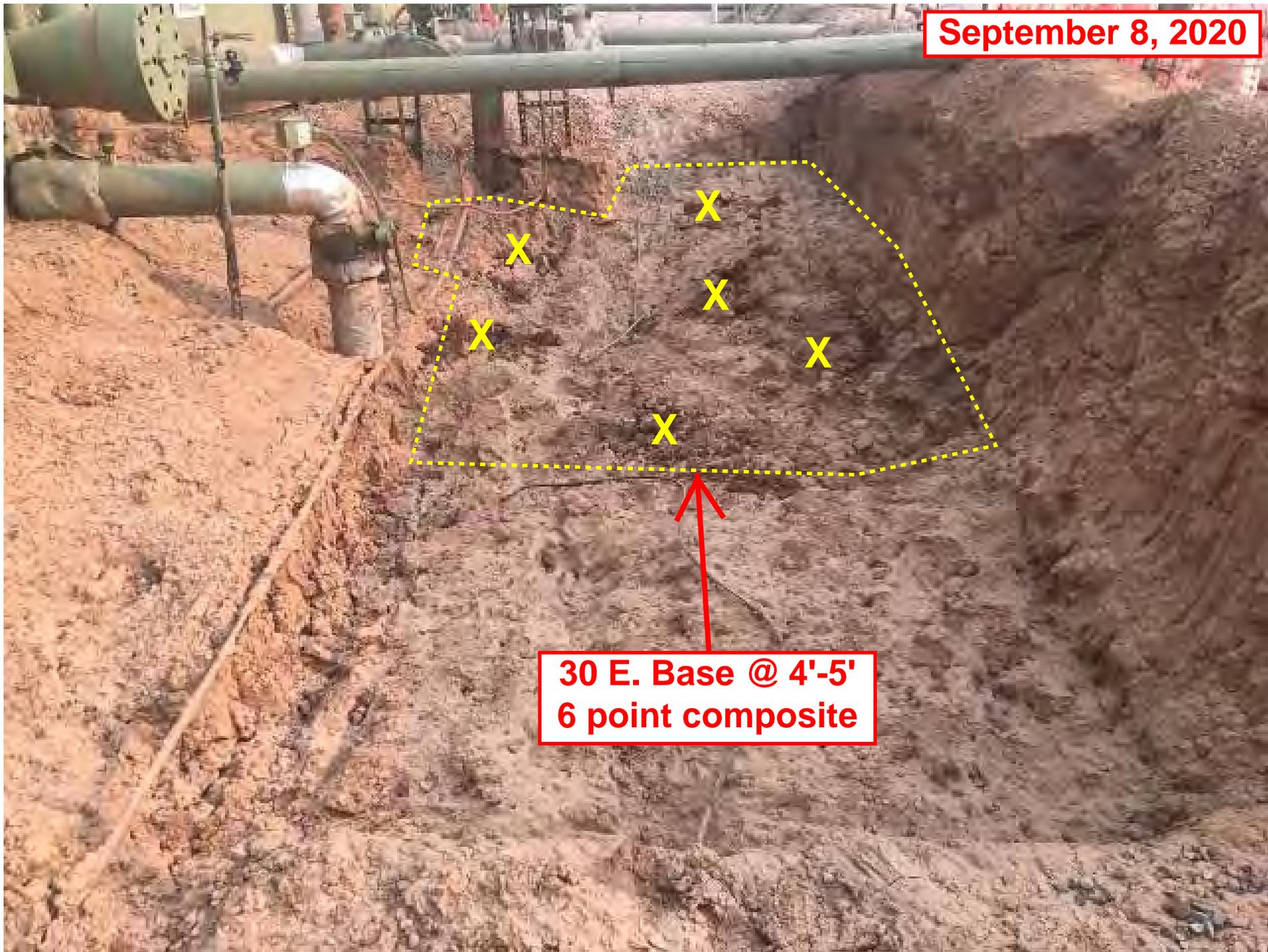
X

X

X

Northeast Blanco Unit Pump Mesa SWD 001

September 8, 2020



**30 E. Base @ 4'-5'
6 point composite**

08/20/2020

LAB REPORT



BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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**1 E. SW @ 2'
P008067-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/21/20	08/21/20	
Toluene	ND	0.0250	1	08/21/20	08/21/20	
Ethylbenzene	ND	0.0250	1	08/21/20	08/21/20	
p,m-Xylene	0.0781	0.0500	1	08/21/20	08/21/20	
o-Xylene	ND	0.0250	1	08/21/20	08/21/20	
Total Xylenes	0.0781	0.0250	1	08/21/20	08/21/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/20	08/21/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.6 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	60.9	25.0	1	08/21/20	08/21/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/21/20	08/21/20	
<i>Surrogate: n-Nonane</i>		99.0 %	50-200	08/21/20	08/21/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	20.7	20.0	1	08/21/20	08/21/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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**2 tank 1 & 2 @ 1.75'
P008067-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/21/20	08/21/20	
Toluene	ND	0.0250	1	08/21/20	08/21/20	
Ethylbenzene	ND	0.0250	1	08/21/20	08/21/20	
p,m-Xylene	ND	0.0500	1	08/21/20	08/21/20	
o-Xylene	ND	0.0250	1	08/21/20	08/21/20	
Total Xylenes	ND	0.0250	1	08/21/20	08/21/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/20	08/21/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.1 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/20	08/21/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/21/20	08/21/20	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/21/20	08/21/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/21/20	08/21/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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3 E. Base @ 2'-4'
P008067-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/21/20	08/21/20	
Toluene	ND	0.0250	1	08/21/20	08/21/20	
Ethylbenzene	ND	0.0250	1	08/21/20	08/21/20	
p,m-Xylene	ND	0.0500	1	08/21/20	08/21/20	
o-Xylene	ND	0.0250	1	08/21/20	08/21/20	
Total Xylenes	ND	0.0250	1	08/21/20	08/21/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/20	08/21/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/20	08/21/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/21/20	08/21/20	
<i>Surrogate: n-Nonane</i>		97.5 %	50-200	08/21/20	08/21/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/21/20	08/21/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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**4 E. SW @ 2'
P008067-04 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/21/20	08/21/20	
Toluene	ND	0.0250	1	08/21/20	08/21/20	
Ethylbenzene	ND	0.0250	1	08/21/20	08/21/20	
p,m-Xylene	ND	0.0500	1	08/21/20	08/21/20	
o-Xylene	ND	0.0250	1	08/21/20	08/21/20	
Total Xylenes	ND	0.0250	1	08/21/20	08/21/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/20	08/21/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.5 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/20	08/21/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/21/20	08/21/20	
<i>Surrogate: n-Nonane</i>		98.0 %	50-200	08/21/20	08/21/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/21/20	08/21/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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5 E. Base @ 3'-4'
P008067-05 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/21/20	08/21/20	
Toluene	ND	0.0250	1	08/21/20	08/21/20	
Ethylbenzene	ND	0.0250	1	08/21/20	08/21/20	
p,m-Xylene	0.138	0.0500	1	08/21/20	08/21/20	
o-Xylene	0.0482	0.0250	1	08/21/20	08/21/20	
Total Xylenes	0.186	0.0250	1	08/21/20	08/21/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/20	08/21/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.3 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	40.7	25.0	1	08/21/20	08/21/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/21/20	08/21/20	
<i>Surrogate: n-Nonane</i>		94.6 %	50-200	08/21/20	08/21/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/21/20	08/21/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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**6 E. LSW @4'
P008067-06 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	0.0290	0.0250	1	08/21/20	08/21/20	
Toluene	0.341	0.0250	1	08/21/20	08/21/20	
Ethylbenzene	0.565	0.0250	1	08/21/20	08/21/20	
p,m-Xylene	17.5	0.0500	1	08/21/20	08/21/20	
o-Xylene	4.37	0.0250	1	08/21/20	08/21/20	
Total Xylenes	21.9	0.0250	1	08/21/20	08/21/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	163	20.0	1	08/21/20	08/21/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	3100	25.0	1	08/21/20	08/21/20	
Oil Range Organics (C28-C40)	1940	50.0	1	08/21/20	08/21/20	
<i>Surrogate: n-Nonane</i>		214 %	50-200	08/21/20	08/21/20	S5
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/21/20	08/21/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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7. N. LSW @ 4'
P008067-07 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/21/20	08/21/20	
Toluene	0.113	0.0250	1	08/21/20	08/21/20	
Ethylbenzene	0.106	0.0250	1	08/21/20	08/21/20	
p,m-Xylene	9.42	0.0500	1	08/21/20	08/21/20	
o-Xylene	2.07	0.0250	1	08/21/20	08/21/20	
Total Xylenes	11.5	0.0250	1	08/21/20	08/21/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	88.7	20.0	1	08/21/20	08/21/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	1730	250	10	08/21/20	08/24/20	
Oil Range Organics (C28-C40)	1050	500	10	08/21/20	08/24/20	
<i>Surrogate: n-Nonane</i>		155 %	50-200	08/21/20	08/24/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/21/20	08/21/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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8 E. USW @ 2'
P008067-08 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	0.0273	0.0250	1	08/21/20	08/21/20	
Toluene	0.289	0.0250	1	08/21/20	08/21/20	
Ethylbenzene	0.251	0.0250	1	08/21/20	08/21/20	
p,m-Xylene	15.7	0.0500	1	08/21/20	08/21/20	
o-Xylene	3.27	0.0250	1	08/21/20	08/21/20	
Total Xylenes	19.0	0.0250	1	08/21/20	08/21/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		118 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	147	20.0	1	08/21/20	08/21/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	50-150	08/21/20	08/21/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	3620	250	10	08/21/20	08/24/20	
Oil Range Organics (C28-C40)	2400	500	10	08/21/20	08/24/20	
<i>Surrogate: n-Nonane</i>		189 %	50-200	08/21/20	08/24/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/21/20	08/21/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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9 N. USW @ 2'
P008067-09 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/21/20	08/22/20	
Toluene	0.145	0.0250	1	08/21/20	08/22/20	
Ethylbenzene	0.233	0.0250	1	08/21/20	08/22/20	
p,m-Xylene	6.09	0.0500	1	08/21/20	08/22/20	
o-Xylene	1.48	0.0250	1	08/21/20	08/22/20	
Total Xylenes	7.57	0.0250	1	08/21/20	08/22/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	50-150	08/21/20	08/22/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	77.3	20.0	1	08/21/20	08/22/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.6 %	50-150	08/21/20	08/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	1470	250	10	08/21/20	08/24/20	
Oil Range Organics (C28-C40)	985	500	10	08/21/20	08/24/20	
<i>Surrogate: n-Nonane</i>		136 %	50-200	08/21/20	08/24/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/21/20	08/21/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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**10 NE Base @ 4'-7'
P008067-10 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/21/20	08/22/20	
Toluene	ND	0.0250	1	08/21/20	08/22/20	
Ethylbenzene	ND	0.0250	1	08/21/20	08/22/20	
p,m-Xylene	0.849	0.0500	1	08/21/20	08/22/20	
o-Xylene	0.212	0.0250	1	08/21/20	08/22/20	
Total Xylenes	1.06	0.0250	1	08/21/20	08/22/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	50-150	08/21/20	08/22/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/20	08/22/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.9 %	50-150	08/21/20	08/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	367	25.0	1	08/21/20	08/21/20	
Oil Range Organics (C28-C40)	284	50.0	1	08/21/20	08/21/20	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/21/20	08/21/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/21/20	08/21/20	

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11 ESTB @ 2'
P008067-11 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/21/20	08/22/20	
Toluene	0.0304	0.0250	1	08/21/20	08/22/20	
Ethylbenzene	0.0564	0.0250	1	08/21/20	08/22/20	
p,m-Xylene	2.08	0.0500	1	08/21/20	08/22/20	
o-Xylene	0.626	0.0250	1	08/21/20	08/22/20	
Total Xylenes	2.70	0.0250	1	08/21/20	08/22/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		112 %	50-150	08/21/20	08/22/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	36.9	20.0	1	08/21/20	08/22/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	50-150	08/21/20	08/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	1040	25.0	1	08/21/20	08/21/20	
Oil Range Organics (C28-C40)	770	50.0	1	08/21/20	08/21/20	
<i>Surrogate: n-Nonane</i>		114 %	50-200	08/21/20	08/21/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/21/20	08/21/20	

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**12 N.C Base @ 3'-5'
P008067-12 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/21/20	08/22/20	
Toluene	ND	0.0250	1	08/21/20	08/22/20	
Ethylbenzene	ND	0.0250	1	08/21/20	08/22/20	
p,m-Xylene	ND	0.0500	1	08/21/20	08/22/20	
o-Xylene	ND	0.0250	1	08/21/20	08/22/20	
Total Xylenes	ND	0.0250	1	08/21/20	08/22/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	50-150	08/21/20	08/22/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/20	08/22/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	50-150	08/21/20	08/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/21/20	08/24/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/21/20	08/24/20	
<i>Surrogate: n-Nonane</i>		97.9 %	50-200	08/21/20	08/24/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/21/20	08/21/20	

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13 N. CA WSW @ 1'
P008067-13 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/21/20	08/22/20	
Toluene	ND	0.0250	1	08/21/20	08/22/20	
Ethylbenzene	ND	0.0250	1	08/21/20	08/22/20	
p,m-Xylene	ND	0.0500	1	08/21/20	08/22/20	
o-Xylene	ND	0.0250	1	08/21/20	08/22/20	
Total Xylenes	ND	0.0250	1	08/21/20	08/22/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/21/20	08/22/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/20	08/22/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	50-150	08/21/20	08/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	26.7	25.0	1	08/21/20	08/22/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/21/20	08/22/20	
<i>Surrogate: n-Nonane</i>		98.1 %	50-200	08/21/20	08/22/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/21/20	08/21/20	

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14 N. CA Bse @ 1.5'-2'
P008067-14 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2034026
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/21/20	08/22/20	
Toluene	ND	0.0250	1	08/21/20	08/22/20	
Ethylbenzene	ND	0.0250	1	08/21/20	08/22/20	
p,m-Xylene	ND	0.0500	1	08/21/20	08/22/20	
o-Xylene	ND	0.0250	1	08/21/20	08/22/20	
Total Xylenes	ND	0.0250	1	08/21/20	08/22/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	50-150	08/21/20	08/22/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2034026
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/21/20	08/22/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %	50-150	08/21/20	08/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2034028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	58.6	25.0	1	08/21/20	08/22/20	
Oil Range Organics (C28-C40)	74.5	50.0	1	08/21/20	08/22/20	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/21/20	08/22/20	
Anions by EPA 300.0/9056A						Batch: 2034027
	mg/kg	mg/kg				
Chloride	34.8	20.0	1	08/21/20	08/21/20	

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Page 24 of 25

Page 70 of 114

Project Information Client: <u>SIMCOE LLC - BP</u> <i>per S. Moskal</i> Project: <u>NEBU Pump Mesa SWD 001</u> Project Manager: <u>Steve Moskal - SIMCOE LLC</u> Address: <u>1199 Main Ave., Suite 101</u> City, State, Zip: <u>Durango, CO 81301</u> Phone: <u>(505) 330-9179 - S. Moskal</u> Email: <u>See "additional instructions" below</u>		Chain of Custody Report Attention Report due by: <u>08/25/20</u> Attention: <u>Steve Moskal</u> Address: City, State, Zip Phone: <u>N. Velez (505) 320-3489; S. Moskal (505) 330-9179</u> Email: <u>See "additional instructions" below</u>		Lab Use Only Lab WO#: <u>P009067</u> Job Number: <u>03143-0424</u> Analysis and Method DRO/ORO by 8015: <input checked="" type="checkbox"/> GRO/DRO by 8015: <input checked="" type="checkbox"/> BTEX by 8021: <input checked="" type="checkbox"/> VOC by 8260: <input type="checkbox"/> Metals 6010: <input type="checkbox"/> Chloride 300.0: <input checked="" type="checkbox"/> TPH 418.1: <input type="checkbox"/> # composite pts.: <u>3</u> grab sample: <input type="checkbox"/>			TAT 1D: <input type="checkbox"/> 3D: <input checked="" type="checkbox"/>		EPA Program RCRA: <input type="checkbox"/> CWA: <input type="checkbox"/> SDWA: <input type="checkbox"/>		
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Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	# composite pts.	grab sample	State	Remarks
1346	08/20/20	soil	1 - 4oz.	1 E. SW @ 2'	1	X	X	X			X		3			
1349	08/20/20	soil	1 - 4oz.	2 tank 1 & 2 @ 1.75'	2	X	X	X			X			X		
1355	08/20/20	soil	1 - 4oz.	3 E. Base @ 2' - 4'	3	X	X	X			X		5			
1358	08/20/20	soil	1 - 4oz.	4 E. SW @ 2'	4	X	X	X			X		3			
1402	08/20/20	soil	1 - 4oz.	5 E. Base @ 3' - 4'	5	X	X	X			X		5			
1432	08/20/20	soil	1 - 4oz.	6 E. LSW @ 4'	6	X	X	X			X		3			
1438	08/20/20	soil	1 - 4oz.	7 N. LSW @ 4'	7	X	X	X			X		4			
1444	08/20/20	soil	1 - 4oz.	8 E. USW @ 2'	8	X	X	X			X		3			
1450	08/20/20	soil	1 - 4oz.	9 N. USW @ 2'	9	X	X	X			X		4			
1456	08/20/20	soil	1 - 4oz.	10 NE Base @ 4' - 7'	10	X	X	X			X		5			

Additional Instructions: Send emails to: steven.moskal@bpx.com, don.buller@bpx.com, nvelez@cottonwoodconsulting.com, kssiesser@cottonwoodconsulting.com, & jharter@cottonwoodconsulting.com. PO: 4301212801

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: **Nelson Velez - Cottonwood Consulting**

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature) <i>[Signature]</i>	Date 08/21/20	Time 0832	Received by: (Signature) <i>[Signature]</i>	Date 8/21/20	Time 8:32	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1: _____ T2: _____ T3: _____ AVG Temp °C: <u>4.0</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



5796 US Highway 64, Farmington, NM 87401
 Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865
 Ph (970) 259-0615 Fr (800) 362-1879



Project Information
 Client: ~~SIMCOE LLC~~ **BP** per S. Moskal
 Project: **NEBU Pump Mesa SWD 001**
 Project Manager: Steve Moskal - SIMCOE LLC
 Address: 1199 Main Ave., Suite 101
 City, State, Zip Durango, CO 81301
 Phone: (505) 330-9179 - S. Moskal
 Email: See "additional instructions" below

Chain of Custody
 Report Attention
 Report due by: 08/25/20
 Attention: Steve Moskal
 Address:
 City, State, Zip
 Phone: N. Velez (505) 320-3489; S. Moskal (505) 330-9179
 Email: See "additional instructions" below

Page 2 of 2
 Lab Use Only
 Lab WO# **P008067** Job Number **03143-0424**
 TAT 1D 3D
 X
 EPA Program
 RCRA CWA SDWA
 Analysis and Method
 State
 NM CO UT A
 X

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	# composite pts.	grab sample	Remarks
1525	08/20/20	soil	1 - 4oz.	11 ESTB @ 2'	11	X	X	X			X			X	
1529	08/20/20	soil	1 - 4oz.	12 N. C Base @ 3' - 5'	12	X	X	X			X		5		
1536	08/20/20	soil	1 - 4oz.	13 N. CA WSW @ 1'	13	X	X	X			X		4		
1545	08/20/20	soil	1 - 4oz.	14 N. CA Base @ 1.5' - 2'	14	X	X	X			X		6		

Additional Instructions: Send emails to: steven.moskal@bpx.com, don.buller@bpx.com, nvelez@cottonwoodconsulting.com, ksiesser@cottonwoodconsulting.com, & jharter@cottonwoodconsulting.com. PO: 4301212801

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: **Nelson Velez - Cottonwood Consulting**

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <i>[Signature]</i>	Date 08/21/20	Time 0832	Received by: (Signature) <i>[Signature]</i>	Date 8/21/20	Time 8:32
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
 Received on ice: Y / N
 T1 T2 T3
 AVG Temp °C 4.0

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other
 Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



08/28/2020 &

09/08/2020

LAB REPORTS



BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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**15 E. LSW @4'
P008105-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.7 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	08/31/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/29/20	08/29/20	

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**16 E. USW @ 2'
P008105-02 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.5 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/29/20	08/31/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/29/20	08/29/20	

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17 N. LSW @ 4'
P008105-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.8 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	08/31/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/29/20	08/29/20	

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18 N.USW @ 2'
P008105-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.2 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	08/31/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	08/31/20	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/29/20	08/31/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/29/20	08/29/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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19 N. Base @ 5'
P008105-05 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.4 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	09/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	09/01/20	
<i>Surrogate: n-Nonane</i>		96.8 %	50-200	08/29/20	09/01/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/29/20	08/29/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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20 ESTB @ 2'
P008105-06 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.9 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	09/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	09/01/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	09/01/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/29/20	08/29/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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21 N. CA Base @ 2'-5'
P008105-07 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.3 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	61.3	25.0	1	08/29/20	09/01/20	
Oil Range Organics (C28-C40)	65.9	50.0	1	08/29/20	09/01/20	
<i>Surrogate: n-Nonane</i>		100 %	50-200	08/29/20	09/01/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/29/20	08/29/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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22 tank 2 & 3 @ 1.5'
P008105-08 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.7 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	09/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	09/01/20	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/29/20	09/01/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	70.5	20.0	1	08/29/20	08/29/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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23 tank 3 & 4 @ 1.5'
P008105-09 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.3 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	09/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	09/01/20	
<i>Surrogate: n-Nonane</i>		94.3 %	50-200	08/29/20	09/01/20	
Anions by EPA 300.0/9056A						Batch: 2035049
Chloride	252	20.0	1	08/29/20	08/29/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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**24 S. ESW @1'
P008105-10 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	1.68	0.0500	1	08/29/20	08/29/20	
o-Xylene	0.496	0.0250	1	08/29/20	08/29/20	
Total Xylenes	2.17	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	26.9	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	550	25.0	1	08/29/20	09/01/20	
Oil Range Organics (C28-C40)	384	50.0	1	08/29/20	09/01/20	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/29/20	09/01/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	56.9	20.0	1	08/29/20	08/29/20	

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**25 S. E. Base @ 1.5-3"
P008105-11 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.9 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	09/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	09/01/20	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/29/20	09/01/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	44.8	20.0	1	08/29/20	08/29/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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**26 E. Base @ 1.5'-3'
P008105-12 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	0.0762	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	0.209	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	4.43	0.0500	1	08/29/20	08/29/20	
o-Xylene	1.15	0.0250	1	08/29/20	08/29/20	
Total Xylenes	5.58	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		112 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	64.9	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	1300	25.0	1	08/29/20	09/01/20	
Oil Range Organics (C28-C40)	843	50.0	1	08/29/20	09/01/20	
<i>Surrogate: n-Nonane</i>		125 %	50-200	08/29/20	09/01/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	69.9	20.0	1	08/29/20	08/29/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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**27 E. Tank SW @ 1.5'
P008105-13 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.4 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	09/02/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	09/02/20	
<i>Surrogate: n-Nonane</i>		91.0 %	50-200	08/29/20	09/02/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	99.8	20.0	1	08/29/20	08/29/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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28 CA1 @ 1'-1.5'
P008105-14 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.6 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	09/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	09/01/20	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/29/20	09/01/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	234	20.0	1	08/29/20	08/29/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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29 CA2 @ 1'-1.5'
P008105-15 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2035047
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	08/29/20	08/29/20	
Toluene	ND	0.0250	1	08/29/20	08/29/20	
Ethylbenzene	ND	0.0250	1	08/29/20	08/29/20	
p,m-Xylene	ND	0.0500	1	08/29/20	08/29/20	
o-Xylene	ND	0.0250	1	08/29/20	08/29/20	
Total Xylenes	ND	0.0250	1	08/29/20	08/29/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2035047
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/20	08/29/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.6 %	50-150	08/29/20	08/29/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2035048
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/20	09/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	08/29/20	09/01/20	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/29/20	09/01/20	
Anions by EPA 300.0/9056A						Batch: 2035049
	mg/kg	mg/kg				
Chloride	29.3	20.0	1	08/29/20	08/29/20	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/11/20 07:57
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30 E. Base @ 4'-5'
P009040-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2037010
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	09/09/20	09/09/20	
Toluene	ND	0.0250	1	09/09/20	09/09/20	
Ethylbenzene	ND	0.0250	1	09/09/20	09/09/20	
p,m-Xylene	ND	0.0500	1	09/09/20	09/09/20	
o-Xylene	ND	0.0250	1	09/09/20	09/09/20	
Total Xylenes	ND	0.0250	1	09/09/20	09/09/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	50-150	09/09/20	09/09/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2037010
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/20	09/09/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.1 %	50-150	09/09/20	09/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2037011
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/20	09/09/20	
Oil Range Organics (C28-C40)	ND	50.0	1	09/09/20	09/09/20	
<i>Surrogate: n-Nonane</i>		92.3 %	50-200	09/09/20	09/09/20	
Anions by EPA 300.0/9056A						Batch: 2037012
	mg/kg	mg/kg				
Chloride	ND	20.0	1	09/09/20	09/09/20	

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Chain of Custody

Project Information
 Client: BP America Prod. Co.
 Project: NEBU Pump Mesa SWD 001
 Project Manager: Steve Moskal - SIMCOE LLC
 Address: 1199 Main Ave., Suite 101
 City, State, Zip Durango, CO 81301
 Phone: (505) 330-9179 - S. Moskal
 Email: See "additional instructions" below

Report Attention
 Report due by: 09/02/20
 Attention: Steve Moskal
 Address:
 City, State, Zip
 Phone: N. Velez (505) 320-3489; S. Moskal (505) 330-9179
 Email: See "additional instructions" below

Lab Use Only
 Lab WO#: P008105
 Job Number: 03193-0421
 TAT: 1D 3D X
EPA Program
 RCRA CWA SDWA

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Analysis and Method										State				Remarks			
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	# composite pis.	grab sample	NM	CO	UT	AZ					
0830	08/28/20	soil	1 - 4oz.	15 E. LSW @ 4'	1	X	X	X											X				
0833	08/28/20	soil	1 - 4oz.	16 E. USW @ 2'	2	X	X	X															
0835	08/28/20	soil	1 - 4oz.	17 N. LSW @ 4'	3	X	X	X															
0838	08/28/20	soil	1 - 4oz.	18 N. USW @ 2'	4	X	X	X															
0841	08/28/20	soil	1 - 4oz.	19 N. Base @ 5'	5	X	X	X															
0843	08/28/20	soil	1 - 4oz.	20 ESTB @ 2'	6	X	X	X															X
0848	08/28/20	soil	1 - 4oz.	21 N. CA Base @ 2'-5'	7	X	X	X															5
0947	08/28/20	soil	1 - 4oz.	22 tank 2 & 3 @ 1.5'	8	X	X	X															X
0950	08/28/20	soil	1 - 4oz.	23 tank 3 & 4 @ 1.5'	9	X	X	X															X
1003	08/28/20	soil	1 - 4oz.	24 S. ESW @ 1'	10	X	X	X															5

Additional Instructions: Send emails to: steven.moskal@bpx.com, don.buller@bpx.com, nvelez@cottonwoodconsulting.com, ksiesser@cottonwoodconsulting.com, & jharter@cottonwoodconsulting.com. PO: 4301212801

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: **Nelson Velez - Cottonwood Consulting**

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature) <i>[Signature]</i>	Date 8/28/20	Time 14:29	Received by: (Signature) <i>[Signature]</i>	Date 8/28/20	Time 14:29	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 T2 T3 AVG Temp °C <i>[Handwritten]</i>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: **S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other** Container Type: **g - glass, p - poly/plastic, ag - amber glass, v - VOA**

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Project Information Client: BP America Prod. Co.		Chain of Custody		Lab Use Only		TAT		EPA Program																					
Project: NEBU Pump Mesa SWD 001		Report due by: 09/02/20		Lab WO# P008105		Job Number 02193-0424		1D	3D	RCRA	CWA	SDWA																	
Project Manager: Steve Moskal - SIMCOE LLC		Attention: Steve Moskal		Address:		Analysis and Method		State		NM CO UT AZ																			
Address: 1199 Main Ave., Suite 101		City, State, Zip Durango, CO 81301		City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		TPH 418.1		# composite pts.		grab sample		Remarks					
Phone: (505) 330-9179 - S. Moskal		Phone: N. Velez (505) 320-3489; S. Moskal (505) 330-9179		Email: See "additional instructions" below		X		X		X		X		X		X		X		5		5		5		5		5	
Email: See "additional instructions" below		Email: See "additional instructions" below																											

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1					# composite pts.	grab sample	Remarks
1010	08/28/20	soil	1 - 4oz.	25 S. E. Base @ 1.5'-3"	11	X	X	X			X						5		
1014	08/28/20	soil	1 - 4oz.	26 E. Base @ 1.5'-3'	12	X	X	X			X						5		
1023	08/28/20	soil	1 - 4oz.	27 E. Tank SW @ 1.5'	13	X	X	X			X						5		
1055	08/28/20	soil	1 - 4oz.	28 CA1 @ 1'-1.5'	14	X	X	X			X						5		
1102	08/28/20	soil	1 - 4oz.	29 CA2 @ 1'-1.5'	15	X	X	X			X						5		

Additional Instructions: Send emails to: steven.moskal@bpx.com, don.buller@bpx.com, nvelez@cottonwoodconsulting.com, ksiesser@cottonwoodconsulting.com, & jharter@cottonwoodconsulting.com. PO: 4301212801

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: **Nelson Velez - Cottonwood Consulting**

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on Ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 T2 T3 AVG Temp °C
<i>[Signature]</i>	8/28/20	14:29	<i>[Signature]</i>	8/28/20	14:29	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other
Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Project Information Client: BP America Prod. Co. Project: NEBU Pump Mesa SWD 001 Project Manager: Steve Moskal - SIMCOE LLC Address: 1199 Main Ave., Suite 101 City, State, Zip Durango, CO 81301 Phone: (505) 330-9179 - S. Moskal Email: See "additional instructions" below				Chain of Custody Report Attention Report due by: 09/10/20 Attention: Steve Moskal Address: City, State, Zip Phone: N. Velez (505) 320-3489; S. Moskal (505) 330-9179 Email: See "additional instructions" below				Lab Use Only Lab WO# P009040 Job Number 03143-0424 TAT 1D 3D X EPA Program RCRA CWA SDWA							
				Analysis and Method DRO/ORO by 8015 X GRO/DRO by 8015 X BTEX by 8021 X VOC by 8260 Metals 6010 Chloride 300.0 X TPH 418.1 # composite pts. 6 grab sample				State NM CO UT AZ X Remarks (1) 4oz glass jar							
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	# composite pts.	grab sample	Remarks
0910	09/08/20	soil	1 - 4oz.	30 E. Base @ 4'-5'	1	X	X	X			X		6		(1) 4oz glass jar

Additional Instructions: Send emails to: steven.moskal@bpx.com, don.buller@bpx.com, nvelez@cottonwoodconsulting.com, ksiesser@cottonwoodconsulting.com, & jharter@cottonwoodconsulting.com. PO: 4301212801

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: **Nelson Velez - Cottonwood Consulting**

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 T2 T3 AVG Temp °C 40°C
<i>[Signature]</i>	9/9/20	0814	<i>[Signature]</i>	9.9.20	0814	

Sample Matrix: **S - Soil**, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: **g - glass**, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



LABORATORY
QUALITY CONTROL /
QUALITY ASSURANCE



Analytical Report

Report Summary

Client: BP America Production Co.

Samples Received: 8/21/2020

Job Number: 03143-0424

Work Order: P008067

Project Name/Location: NEBU Pump Mesa SWD
001

Report Reviewed By:

Date: 8/26/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, holds the Utah TNi certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.





BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: NEBU Pump Mesa SWD 001
Project Number: 03143-0424
Project Manager: Steve Moskal

Reported:
08/26/20 09:28

Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1 E. SW @ 2'	P008067-01A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
2 tank 1 & 2 @ 1.75'	P008067-02A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
3 E. Base @ 2'-4'	P008067-03A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
4 E. SW @ 2'	P008067-04A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
5 E. Base @ 3'-4'	P008067-05A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
6 E. LSW @ 4'	P008067-06A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
7. N. LSW @ 4'	P008067-07A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
8 E. USW @ 2'	P008067-08A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
9 N. USW @ 2'	P008067-09A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
10 NE Base @ 4'-7'	P008067-10A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
11 ESTB @ 2'	P008067-11A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
12 N.C Base @ 3'-5'	P008067-12A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
13 N. CA WSW @ 1'	P008067-13A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.
14 N. CA Bse @ 1.5'-2'	P008067-14A	Soil	08/20/20	08/21/20	Glass Jar, 4 oz.

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BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: NEBU Pump Mesa SWD 001
Project Number: 03143-0424
Project Manager: Steve Moskal

Reported:
08/26/20 09:28

Volatile Organics by EPA 8021B - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source		REC Limits %	REC Limits %	RPD Limit %	Notes
				Result mg/kg	REC %				

Blank (2034026-BLK1)

Prepared & Analyzed: 08/21/20 1

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103		50-150		

LCS (2034026-BS1)

Prepared & Analyzed: 08/21/20 1

Benzene	4.83	0.0250	5.00		96.6		70-130		
Toluene	4.86	0.0250	5.00		97.2		70-130		
Ethylbenzene	4.85	0.0250	5.00		97.1		70-130		
p,m-Xylene	9.74	0.0500	10.0		97.4		70-130		
o-Xylene	4.87	0.0250	5.00		97.3		70-130		
Total Xylenes	14.6	0.0250	15.0		97.4		70-130		
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103		50-150		

Matrix Spike (2034026-MS1)

Source: P008067-01

Prepared & Analyzed: 08/21/20 1

Benzene	5.30	0.0250	5.00	ND	106		54-133		
Toluene	5.29	0.0250	5.00	ND	106		61-130		
Ethylbenzene	5.29	0.0250	5.00	ND	106		61-133		
p,m-Xylene	10.6	0.0500	10.0	0.0781	106		63-131		
o-Xylene	5.31	0.0250	5.00	ND	106		63-131		
Total Xylenes	15.9	0.0250	15.0	0.0781	106		63-131		
Surrogate: 4-Bromochlorobenzene-PID	8.12		8.00		101		50-150		

Matrix Spike Dup (2034026-MSD1)

Source: P008067-01

Prepared & Analyzed: 08/21/20 1

Benzene	5.15	0.0250	5.00	ND	103		54-133	2.81	20
Toluene	5.12	0.0250	5.00	ND	102		61-130	3.32	20
Ethylbenzene	5.10	0.0250	5.00	ND	102		61-133	3.60	20
p,m-Xylene	10.2	0.0500	10.0	0.0781	102		63-131	3.64	20
o-Xylene	5.10	0.0250	5.00	ND	102		63-131	3.93	20
Total Xylenes	15.4	0.0250	15.0	0.0781	102		63-131	3.73	20
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		101		50-150		

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2034026-BLK1)

Prepared & Analyzed: 08/21/20 1

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		8.00		88.5	50-150			

LCS (2034026-BS2)

Prepared & Analyzed: 08/21/20 1

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.7	50-150			

Matrix Spike (2034026-MS2)

Source: P008067-01

Prepared & Analyzed: 08/21/20 1

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	50-150			

Matrix Spike Dup (2034026-MSD2)

Source: P008067-01

Prepared & Analyzed: 08/21/20 1

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130	3.23	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	50-150			

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2034028-BLK1)

Prepared & Analyzed: 08/21/20 1

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	53.6		50.0		107	50-200			

LCS (2034028-BS1)

Prepared & Analyzed: 08/21/20 1

Diesel Range Organics (C10-C28)	468	25.0	500		93.6	38-132			
Surrogate: n-Nonane	53.6		50.0		107	50-200			

Matrix Spike (2034028-MS1)

Source: P008067-01

Prepared & Analyzed: 08/21/20 1

Diesel Range Organics (C10-C28)	548	25.0	500	60.9	97.3	38-132			
Surrogate: n-Nonane	49.1		50.0		98.2	50-200			

Matrix Spike Dup (2034028-MSD1)

Source: P008067-01

Prepared & Analyzed: 08/21/20 1

Diesel Range Organics (C10-C28)	573	25.0	500	60.9	102	38-132	4.45	20	
Surrogate: n-Nonane	53.0		50.0		106	50-200			

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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Anions by EPA 300.0/9056A - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	REC %	REC Limits %	RPD %	RPD Limit %	Notes
Blank (2034027-BLK1)									
Chloride	ND	20.0							Prepared & Analyzed: 08/21/20 1
LCS (2034027-BS1)									
Chloride	247	20.0	250		98.8	90-110			Prepared & Analyzed: 08/21/20 1
Matrix Spike (2034027-MS1)									
Chloride	272	20.0	250	20.7	101	80-120			Source: P008067-01 Prepared & Analyzed: 08/21/20 1
Matrix Spike Dup (2034027-MSD1)									
Chloride	277	20.0	250	20.7	103	80-120	1.66	20	Source: P008067-01 Prepared & Analyzed: 08/21/20 1

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 08/26/20 09:28
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Notes and Definitions

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Analytical Report

Report Summary

Client: BP America Production Co.

Samples Received: 8/28/2020

Job Number: 03143-0424

Work Order: P008105

Project Name/Location: NEBU Pump Mesa SWD
001

Report Reviewed By:

Date: 9/2/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, holds the Utah TNi certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.





BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: NEBU Pump Mesa SWD 001
Project Number: 03143-0424
Project Manager: Steve Moskal

Reported:
09/02/20 15:11

Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
15 E. LSW @4'	P008105-01A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
16 E. USW @ 2'	P008105-02A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
17 N. LSW @ 4'	P008105-03A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
18 N.USW @ 2'	P008105-04A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
19 N. Base @ 5'	P008105-05A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
20 ESTB @ 2'	P008105-06A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
21 N. CA Base @ 2'-5'	P008105-07A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
22 tank 2 & 3 @ 1.5'	P008105-08A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
23 tank 3 & 4 @ 1.5'	P008105-09A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
24 S. ESW @1'	P008105-10A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
25 S. E. Base @ 1.5-3"	P008105-11A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
26 E. Base @ 1.5'-3'	P008105-12A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
27 E. Tank SW @ 1.5'	P008105-13A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
28 CA1 @ 1'-1.5'	P008105-14A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.
29 CA2 @ 1'-1.5'	P008105-15A	Soil	08/28/20	08/28/20	Glass Jar, 4 oz.

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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Volatile Organics by EPA 8021B - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2035047-BLK1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	50-150			

LCS (2035047-BS1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Benzene	5.36	0.0250	5.00		107	70-130			
Toluene	5.37	0.0250	5.00		107	70-130			
Ethylbenzene	5.36	0.0250	5.00		107	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
o-Xylene	5.39	0.0250	5.00		108	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	50-150			

Matrix Spike (2035047-MS1)

Source: P008105-01

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Benzene	5.46	0.0250	5.00	ND	109	54-133			
Toluene	5.48	0.0250	5.00	ND	110	61-130			
Ethylbenzene	5.46	0.0250	5.00	ND	109	61-133			
p,m-Xylene	11.0	0.0500	10.0	ND	110	63-131			
o-Xylene	5.50	0.0250	5.00	ND	110	63-131			
Total Xylenes	16.5	0.0250	15.0	ND	110	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	50-150			

Matrix Spike Dup (2035047-MSD1)

Source: P008105-01

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Benzene	5.35	0.0250	5.00	ND	107	54-133	2.05	20	
Toluene	5.32	0.0250	5.00	ND	106	61-130	3.02	20	
Ethylbenzene	5.29	0.0250	5.00	ND	106	61-133	3.03	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	3.02	20	
o-Xylene	5.33	0.0250	5.00	ND	107	63-131	3.04	20	
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131	3.03	20	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	50-150			

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BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: NEBU Pump Mesa SWD 001
Project Number: 03143-0424
Project Manager: Steve Moskal

Reported:
09/02/20 15:11

Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2035047-BLK1)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.7	50-150			

LCS (2035047-BS2)

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		93.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	50-150			

Matrix Spike (2035047-MS2)

Source: P008105-01

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	50-150			

Matrix Spike Dup (2035047-MSD2)

Source: P008105-01

Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130	3.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.3	50-150			

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2035048-BLK1) Prepared: 08/29/20 0 Analyzed: 08/31/20 2

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	52.5		50.0		105	50-200			

LCS (2035048-BS1) Prepared: 08/29/20 0 Analyzed: 08/31/20 2

Diesel Range Organics (C10-C28)	495	25.0	500		99.0	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike (2035048-MS1) Source: P008105-01 Prepared: 08/29/20 0 Analyzed: 08/31/20 2

Diesel Range Organics (C10-C28)	507	25.0	500	ND	101	38-132			
Surrogate: n-Nonane	45.3		50.0		90.6	50-200			

Matrix Spike Dup (2035048-MSD1) Source: P008105-01 Prepared: 08/29/20 0 Analyzed: 08/31/20 2

Diesel Range Organics (C10-C28)	500	25.0	500	ND	100	38-132	1.31	20	
Surrogate: n-Nonane	52.1		50.0		104	50-200			

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/02/20 15:11
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Anions by EPA 300.0/9056A - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2035049-BLK1) Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Chloride	ND	20.0							
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LCS (2035049-BS1) Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Chloride	248	20.0	250		99.1	90-110			
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Matrix Spike (2035049-MS1) Source: P008105-01 Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Chloride	255	20.0	250	ND	102	80-120			
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Matrix Spike Dup (2035049-MSD1) Source: P008105-01 Prepared: 08/29/20 0 Analyzed: 08/29/20 1

Chloride	256	20.0	250	ND	102	80-120	0.415	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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BP America Production Co.	Project Name:	NEBU Pump Mesa SWD 001	
PO Box 22024	Project Number:	03143-0424	Reported:
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	09/02/20 15:11

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Analytical Report

Report Summary

Client: BP America Production Co.

Samples Received: 9/9/2020

Job Number: 03143-0424

Work Order: P009040

Project Name/Location: NEBU Pump Mesa SWD
001

Report Reviewed By:

Date: 9/11/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, holds the Utah TNi certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.





BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/11/20 07:57
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Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
30 E. Base @ 4'-5'	P009040-01A	Soil	09/08/20	09/08/20	Glass Jar, 4 oz.

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/11/20 07:57
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Volatile Organics by EPA 8021B - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2037010-BLK1)

Prepared: 09/09/20 0 Analyzed: 09/09/20 1

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	50-150			

LCS (2037010-BS1)

Prepared: 09/09/20 0 Analyzed: 09/09/20 1

Benzene	4.74	0.0250	5.00		94.9	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
Ethylbenzene	5.05	0.0250	5.00		101	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	50-150			

Matrix Spike (2037010-MS1)

Source: P009024-01

Prepared: 09/09/20 0 Analyzed: 09/09/20 1

Benzene	4.73	0.0250	5.00	ND	94.6	54-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
p,m-Xylene	9.95	0.0500	10.0	ND	99.5	63-131			
o-Xylene	4.98	0.0250	5.00	ND	99.5	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		102	50-150			

Matrix Spike Dup (2037010-MSD1)

Source: P009024-01

Prepared: 09/09/20 0 Analyzed: 09/09/20 1

Benzene	4.75	0.0250	5.00	ND	94.9	54-133	0.344	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	0.403	20	
Ethylbenzene	5.05	0.0250	5.00	ND	101	61-133	0.426	20	
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	63-131	0.260	20	
o-Xylene	5.00	0.0250	5.00	ND	99.9	63-131	0.422	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.9	63-131	0.314	20	
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	50-150			

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/11/20 07:57
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Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2037010-BLK1) Prepared: 09/09/20 0 Analyzed: 09/09/20 1

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.2	50-150			

LCS (2037010-BS2) Prepared: 09/09/20 0 Analyzed: 09/09/20 1

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.6	50-150			

Matrix Spike (2037010-MS2) Source: P009024-01 Prepared: 09/09/20 0 Analyzed: 09/09/20 1

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	50-150			

Matrix Spike Dup (2037010-MSD2) Source: P009024-01 Prepared: 09/09/20 0 Analyzed: 09/09/20 1

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130	0.669	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.8	50-150			

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/11/20 07:57
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Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2037011-BLK1)

Prepared & Analyzed: 09/09/20 1

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	56.0		50.0		112	50-200			

LCS (2037011-BS1)

Prepared & Analyzed: 09/09/20 1

Diesel Range Organics (C10-C28)	445	25.0	500		89.1	38-132			
Surrogate: n-Nonane	48.3		50.0		96.7	50-200			

Matrix Spike (2037011-MS1)

Source: P009024-01

Prepared & Analyzed: 09/09/20 1

Diesel Range Organics (C10-C28)	466	25.0	500	ND	93.2	38-132			
Surrogate: n-Nonane	44.7		50.0		89.4	50-200			

Matrix Spike Dup (2037011-MSD1)

Source: P009024-01

Prepared & Analyzed: 09/09/20 1

Diesel Range Organics (C10-C28)	472	25.0	500	ND	94.4	38-132	1.26	20	
Surrogate: n-Nonane	47.7		50.0		95.3	50-200			

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/11/20 07:57
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Anions by EPA 300.0/9056A - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	REC %	REC Limits %	RPD %	RPD Limit %	Notes
Blank (2037012-BLK1)									
Chloride	ND	20.0							Prepared & Analyzed: 09/09/20 1
LCS (2037012-BS1)									
Chloride	247	20.0	250		98.9	90-110			Prepared & Analyzed: 09/09/20 1
Matrix Spike (2037012-MS1)									
Chloride	256	20.0	250	ND	102	80-120			Source: P009038-01 Prepared & Analyzed: 09/09/20 1
Matrix Spike Dup (2037012-MSD1)									
Chloride	256	20.0	250	ND	103	80-120	0.324	20	Source: P009038-01 Prepared & Analyzed: 09/09/20 1

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: NEBU Pump Mesa SWD 001 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 09/11/20 07:57
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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - ** Methods marked with ** are non-accredited methods.
- Soil data is reported on an "as received" weight basis, unless reported otherwise.

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District III
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 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 10649

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 10649
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	The OCD approves the Closure Report C-141 for incident #NJMW1231129593 with the following conditions. This report lacked a summary which makes a statement about remediation efforts. This report also lacks a complete site characterization. The OCD has determined that the data provided does allow for closure of this incident.	10/21/2022