

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

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

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

Incident ID	NCS1927539202
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party: <b>Enduring Resources, LLC</b>	OGRID: <b>372286</b>
Contact Name: <b>James McDaniel</b>	Contact Telephone: <b>505-636-9731</b>
Contact email: <b>jmcdaniel@enduringresources.com</b>	Incident # (assigned by OCD) <b>NCS1927539202</b>
Contact mailing address: <b>200 Energy Court</b>	<b>Farmington, New Mexico 87401</b>

### Location of Release Source

Latitude 36.266880 Longitude -107.697526  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: <b>Chaco 2408 32P 114H</b>	Site Type: <b>Well Site</b>
Date Release Discovered: <b>8/21/2019</b>	API# (if applicable): <b>30-045-35441</b>

Unit Letter	Section	Township	Range	County
<b>P</b>	<b>32</b>	<b>24N</b>	<b>8W</b>	<b>San Juan</b>

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 checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <b>20</b>	Volume Recovered (bbls) <b>20</b>
	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 type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

A lease operator discovered an overflow of the below grade tank at the location, overflowing 20 bbls of oil and water onto the tank berm liner. The below grade tank was emptied, and the fluids on the liner were cleaned up using a hydrovac. The cause of the overflow was determined to be vandalism, as a manual valve was opened, emptying the contents of the on-site water tank into the below grade tank, overflowing it. The manual valve has since been locked. All fluids were cleaned off of the liner.

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

**Initial Response**

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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ 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: James McDaniel

Title: HSE Supervisor

Signature: 

Date: 9/9/2019

email: jmcDaniel@enduringresources.com

Telephone: 505-636-9731

**OCD Only**

Received by: OCD Date: 9/10/19



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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?

\_\_\_\_\_ (ft bgs)

Did this release impact groundwater or surface water?

☐ Yes ☐ No

Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?

☐ Yes ☐ 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)?

☐ Yes ☐ No

Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?

☐ Yes ☐ 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?

☐ Yes ☐ No

Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?

☐ Yes ☐ No

Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?

☐ Yes ☐ No

Are the lateral extents of the release within 300 feet of a wetland?

☐ Yes ☐ No

Are the lateral extents of the release overlying a subsurface mine?

☐ Yes ☐ No

Are the lateral extents of the release overlying an unstable area such as karst geology?

☐ Yes ☐ No

Are the lateral extents of the release within a 100-year floodplain?

☐ Yes ☐ No

Did the release impact areas **not** on an exploration, development, production, or storage site?

☐ Yes ☐ 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.

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Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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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.

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Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved      ☐ Approved with Attached Conditions of Approval      ☐ Denied      ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



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## 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: James McDaniel Title: HSE Supervisor  
Signature:  Date: 9/9/2019  
email: jmedaniel@enduringresources.com Telephone: 505-636-9731

**OCD Only**

Received by: OCD Date: 9/10/19

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:  Date: 10/2/19  
Printed Name: Cory Title: Environmental Specialist

## **Chaco 2408 32P 114H Narrative**

**8/21/2019**

A lease operator discovered an overflow of the below grade tank at the location, overflowing 20 bbls of oil and water onto the tank berm liner. The below grade tank was emptied, and the fluids on the liner were cleaned up using a hydrovac. The cause of the overflow was determined to be vandalism, as a manual valve was opened, emptying the contents of the on-site water tank into the below grade tank, overflowing it. The manual valve has since been locked.

**8/27/2019**

An email notifying the NMOCD of the liner inspection was sent to Cory Smith and Brandon Powell, NMOCD.

**8/30/2019**

Jonathan Kelly, NMOCD, met on-site to inspect the liner. Jonathan noted some blow sand in the north-east corner of the lined berm, and requested it be removed. He took some photos of the liner, and said he would get with Cory Smith, NMOCD, when he returned from vacation.

**9/3/2019**

An extension was granted on the initial C-141 until 9/10/2019 while the NMOCD reviewed the data from the liner inspection. A hydrovac crew was on-site to remove the blow sand from the North-East corner of the liner tank berm. Pictures of the liner after the material was removed are attached in the *Photo Page*.

**9/4/2019**

Cory Smith, NMOCD, visits the site and requests some remaining oily spots on the liner be cleaned up, and that the residual oil in the below grade tank is removed.

**9/6/2019**

A hydrovac crew was on-site to clean the remaining oily spots on the liner, and to remove all residual oil from the below grade tank. Pictures of the liner after cleaning and the below grade tank are attached in the *Photo Page*.





SPILL ON LINER

Chaco 2408 32P 114H

82 ft



**James McDaniel**

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**From:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Sent:** Tuesday, September 03, 2019 2:52 PM  
**To:** James McDaniel  
**Subject:** RE: Chaco 2408 32P 114H BGT Overflow

James,

Jonathan has not returned to the office so I haven't been able to review the pictures.

OCD grants Enduring's extension request please include this approval in your C-141 due on 9/10/19

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](mailto:cory.smith@state.nm.us)

**From:** James McDaniel <JMcDaniel@enduringresources.com>  
**Sent:** Tuesday, September 3, 2019 2:16 PM  
**To:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Subject:** [EXT] Chaco 2408 32P 114H BGT Overflow

Cory,

As discussed on the phone, Enduring would like to request an extension on the initial C-141 on the BGT overflow at the Chaco 2408 32P 114H release in order to give the NMOCD time to make a determination on the integrity of the liner at this location. The Initial C-141 is due on 9/4/2019, and Enduring would like to request an extension until next Tuesday, making the C-141 due on 9/10/2019. Thank you for your time in regards to this matter.

**James McDaniel**  
**HSE Supervisor**  
**Enduring Resources**  
CSP #30009  
CHMM #15676  
CET #13805  
Office: 505-636-9731  
Cell: 505-444-3004  
[jmcdaniel@enduringresources.com](mailto:jmcdaniel@enduringresources.com)



## James McDaniel

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**From:** James McDaniel  
**Sent:** Tuesday, August 27, 2019 8:03 AM  
**To:** 'Smith, Cory, EMNRD'; Powell, Brandon, EMNRD  
**Cc:** Chad Snell  
**Subject:** Chaco 2408 32P 114H Liner Inspection  
**Attachments:** IMG\_0979.JPG; IMG\_0986.JPG

Cory,

On 8/21/2019, a below grade tank at the Chaco 2408 32P 114H overflowed onto the lined tank berm at this location. API number is 30-045-35441. 20 bbls of oil and water overflowed from the pit tank when the manual drain valve for the on-site water tank was opened by vandals, dumping the contents of the water tank to the pit tank overflowing it. The volume was determined by the recovered volume of the water truck that came to suck out the contents of the pit tank and the fluids on the liner. The truck recovered 140 bbls of fluids, with 120 bbls of fluids being from the 120 bbl pit tank that was completely full at the time it was emptied. All fluids were contained within the lined tank berm at this location. The fluids were recovered and the liner was sprayed clean. Pictures of the liner before and after cleaning are attached for reference. Enduring will be performing a liner inspection to close the release out on 8/30/2019 at 9 AM. Thank you for your time in regards to this incident.

**James McDaniel**  
**HSE Supervisor**  
**Enduring Resources**  
CSP #30009  
CHMM #15676  
CET #13805  
*Office:* 505-636-9731  
*Cell:* 505-444-3004

[jmcdaniel@enduringresources.com](mailto:jmcdaniel@enduringresources.com)







Enduring Resources, LLC  
Spill Closure Report  
Chaco 2408 32P 114H Release



Photo 1: Picture of Spill on Liner (View 1)





Enduring Resources, LLC  
Spill Closure Report  
Chaco 2408 32P 114H Release

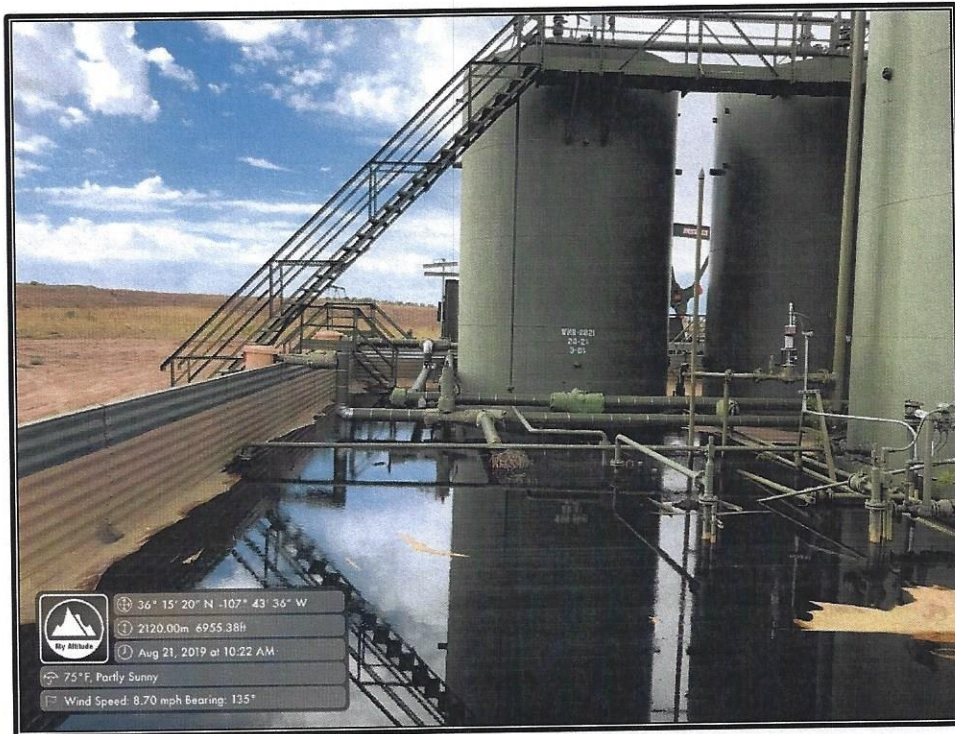


Photo 2: Picture of Spill on Liner (View 2)

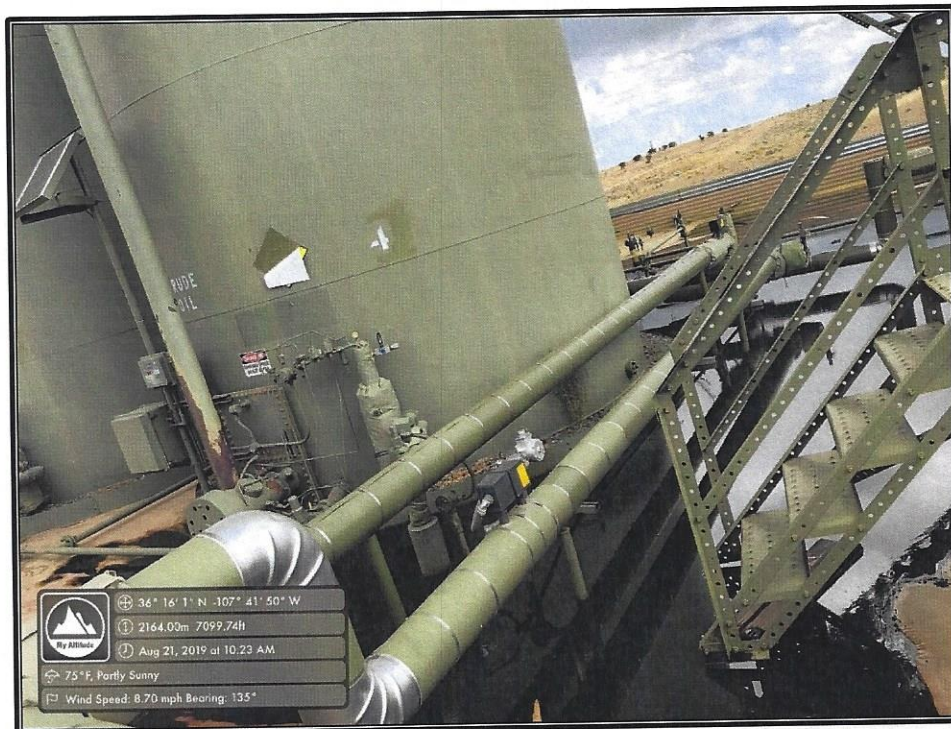


Photo 3: Picture of Spill on Liner (View 3)





Enduring Resources, LLC  
Spill Closure Report  
Chaco 2408 32P 114H Release



Photo 4: Picture of Liner After Cleanup of Blow Sand in North-East Corner (View 1)





Enduring Resources, LLC  
Spill Closure Report  
Chaco 2408 32P 114H Release

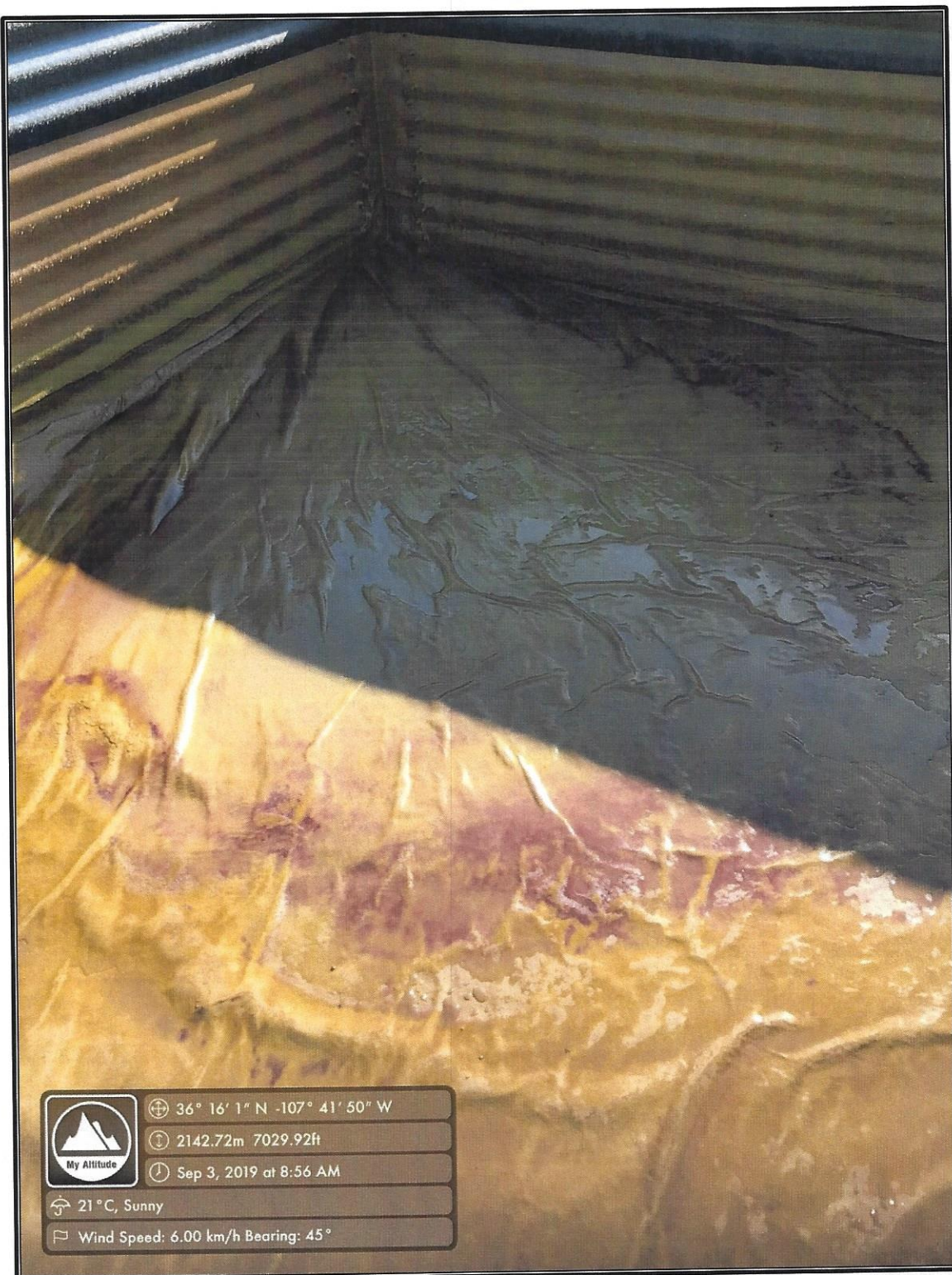


Photo 5: Picture of Liner After Cleanup of Blow Sand in North-East Corner (View 2)





Enduring Resources, LLC  
Spill Closure Report  
Chaco 2408 32P 114H Release

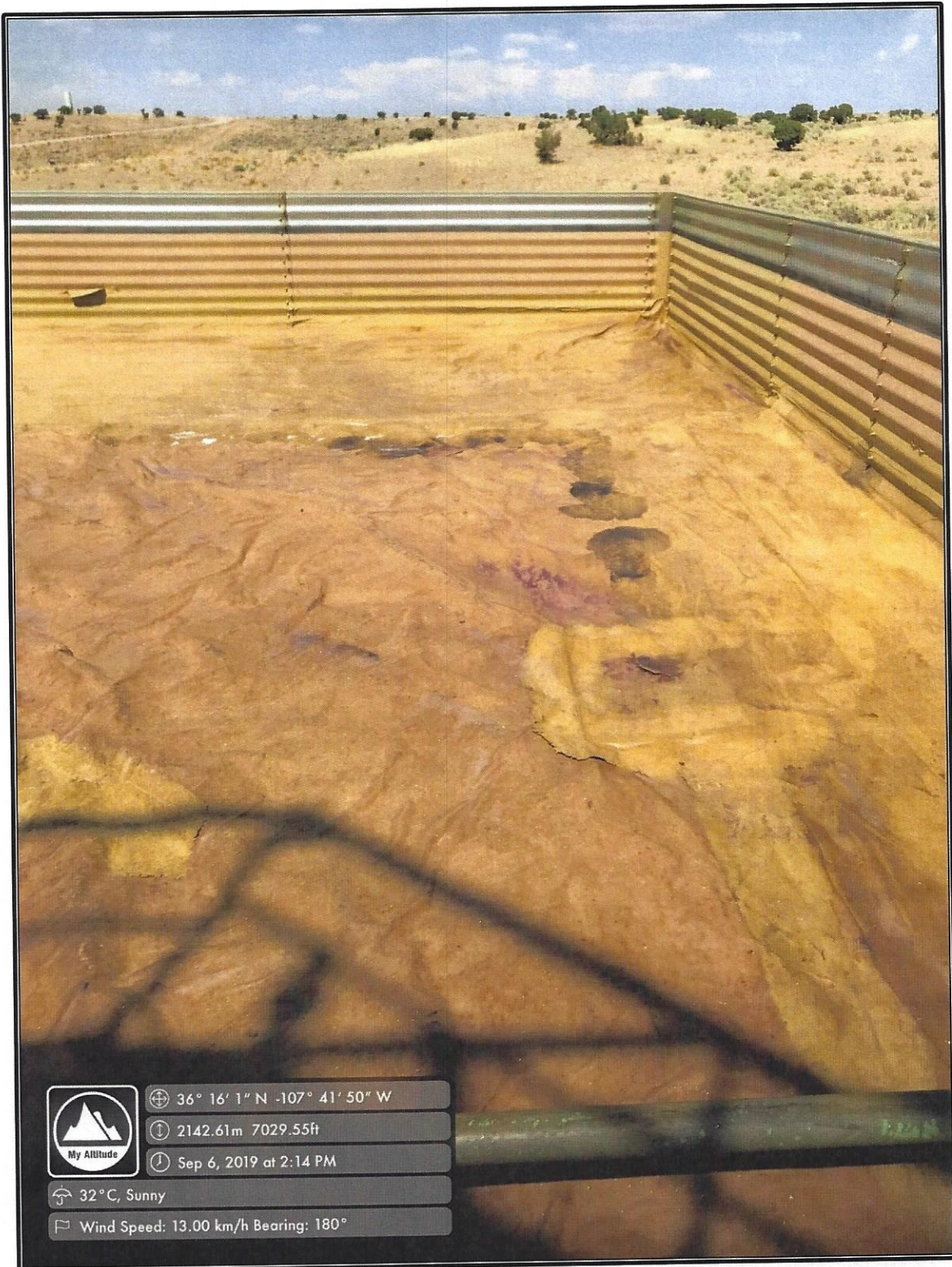


Photo 6: Picture of Liner After Cleanup (View 1)





Enduring Resources, LLC  
Spill Closure Report  
Chaco 2408 32P 114H Release

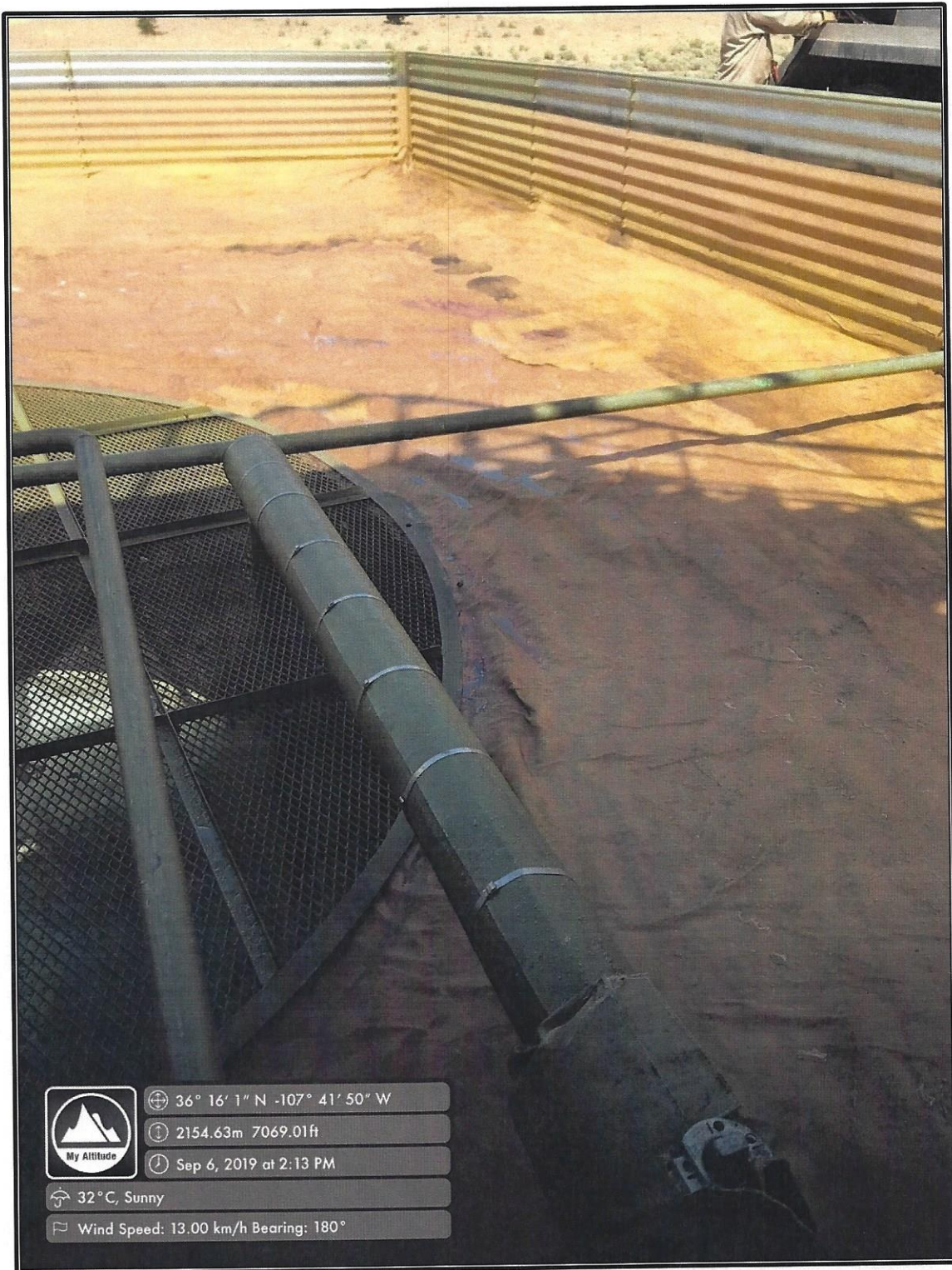


Photo 7: Picture of Liner After Cleanup (View 2)





Enduring Resources, LLC  
Spill Closure Report  
Chaco 2408 32P 114H Release

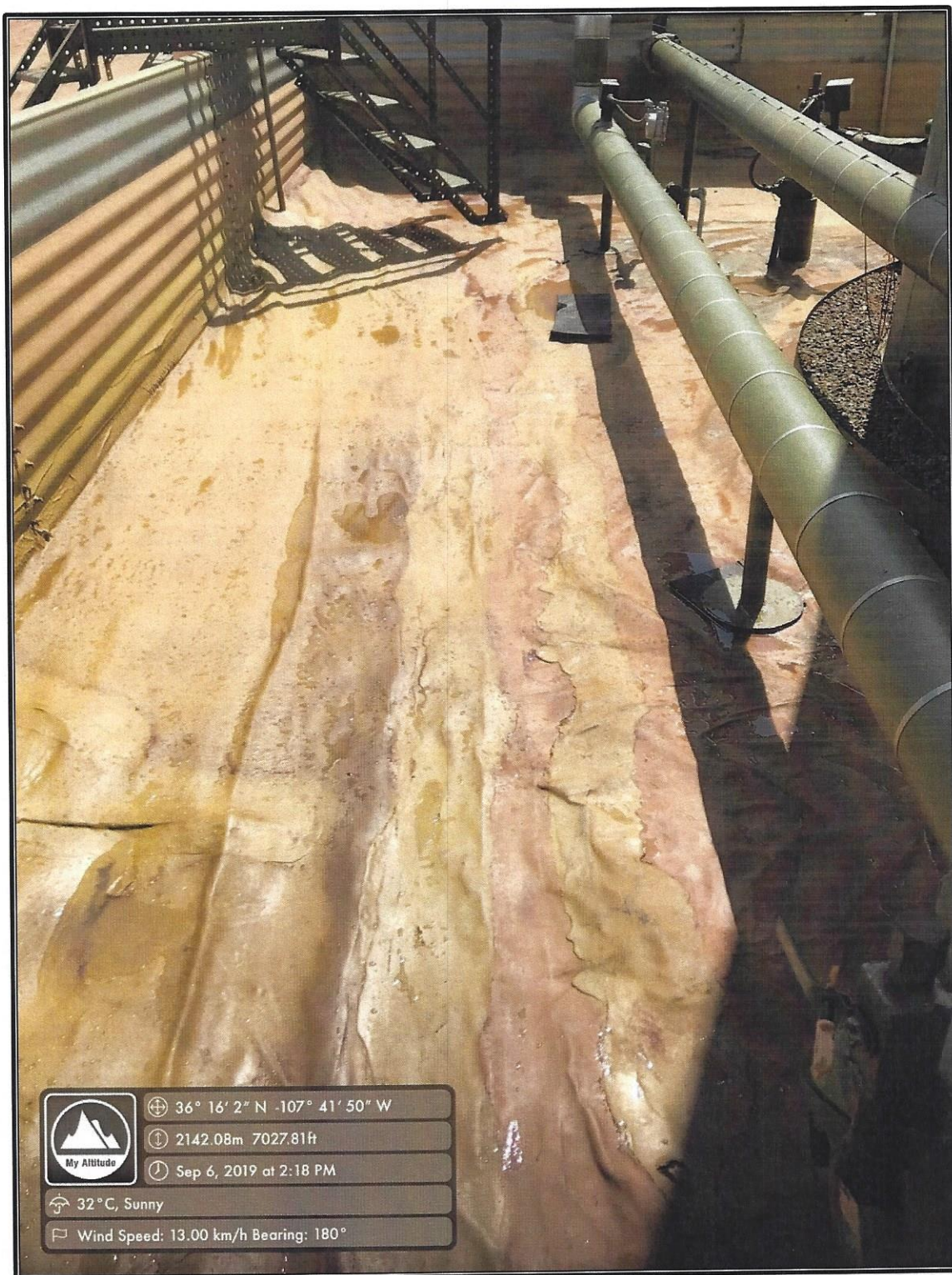


Photo 8: Picture of Liner After Cleanup (View 3)





Enduring Resources, LLC  
Spill Closure Report  
Chaco 2408 32P 114H Release



Photo 9: Picture of Liner After Cleanup (View 4)





Enduring Resources, LLC  
Spill Closure Report  
Chaco 2408 32P 114H Release

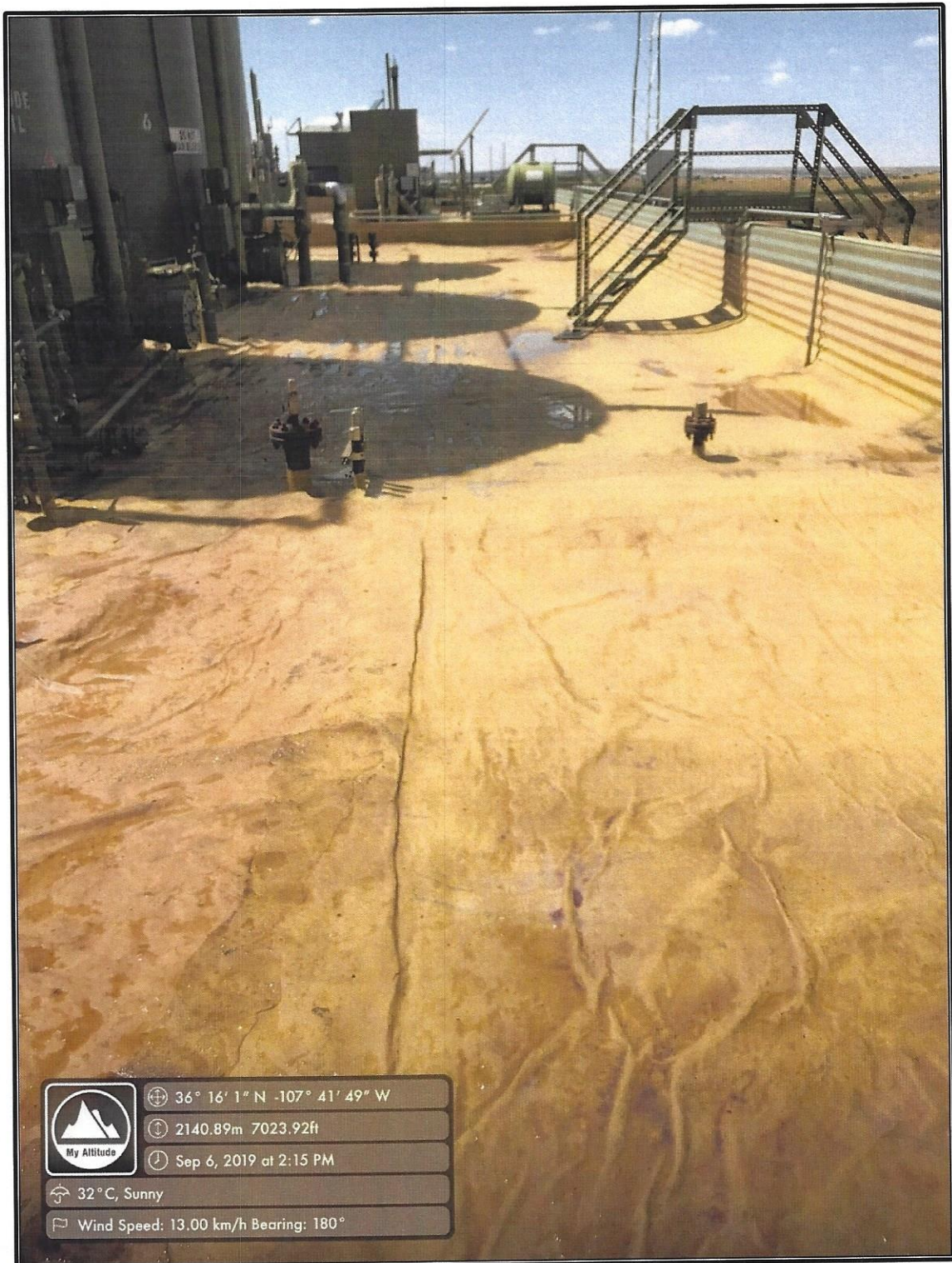


Photo 10: Picture of Liner After Cleanup (View 5)





Enduring Resources, LLC  
Spill Closure Report  
Chaco 2408 32P 114H Release

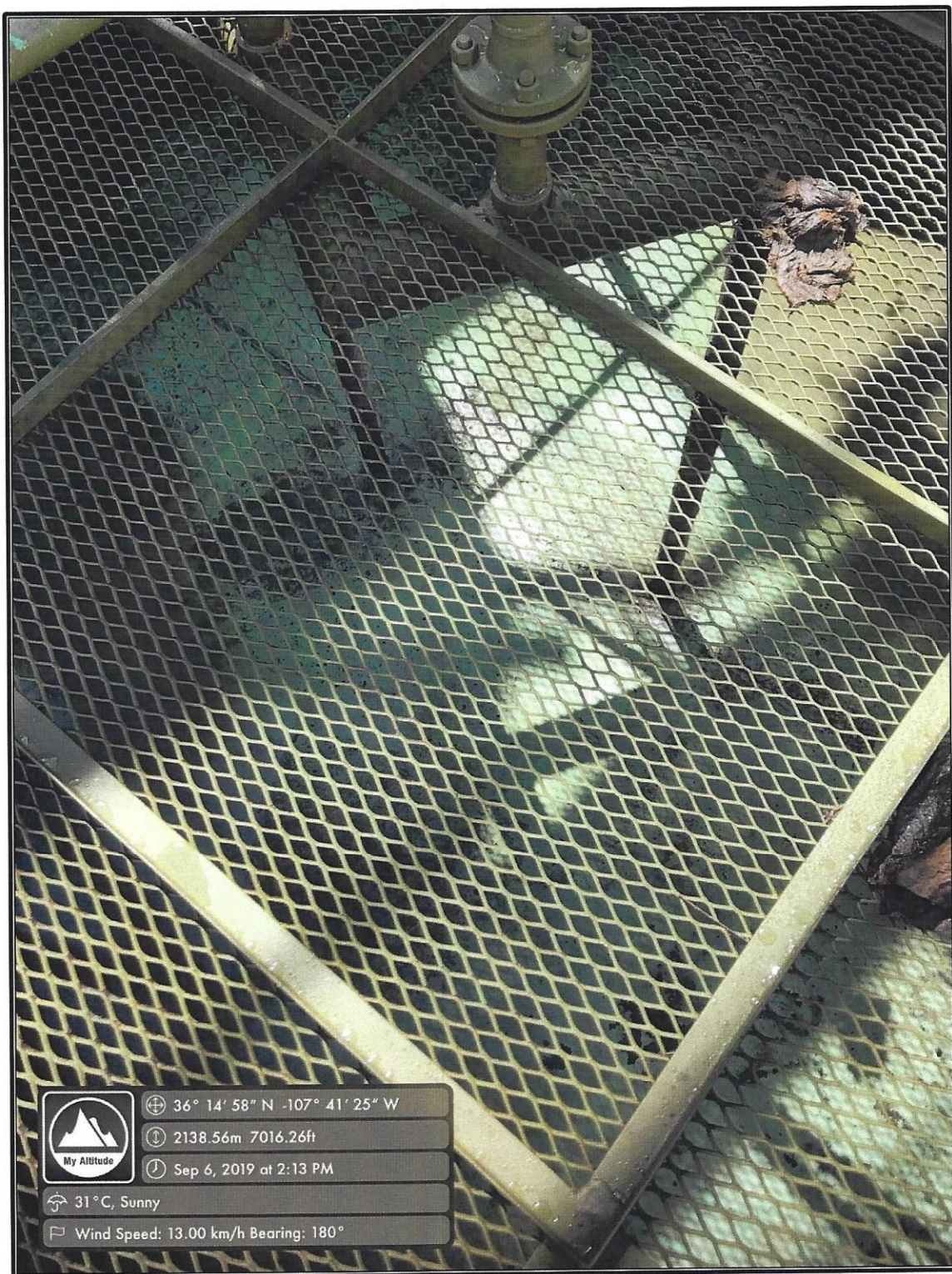


Photo 11: Picture of Pit Tank After Clean-Out (View 1)





Enduring Resources, LLC  
Spill Closure Report  
Chaco 2408 32P 114H Release

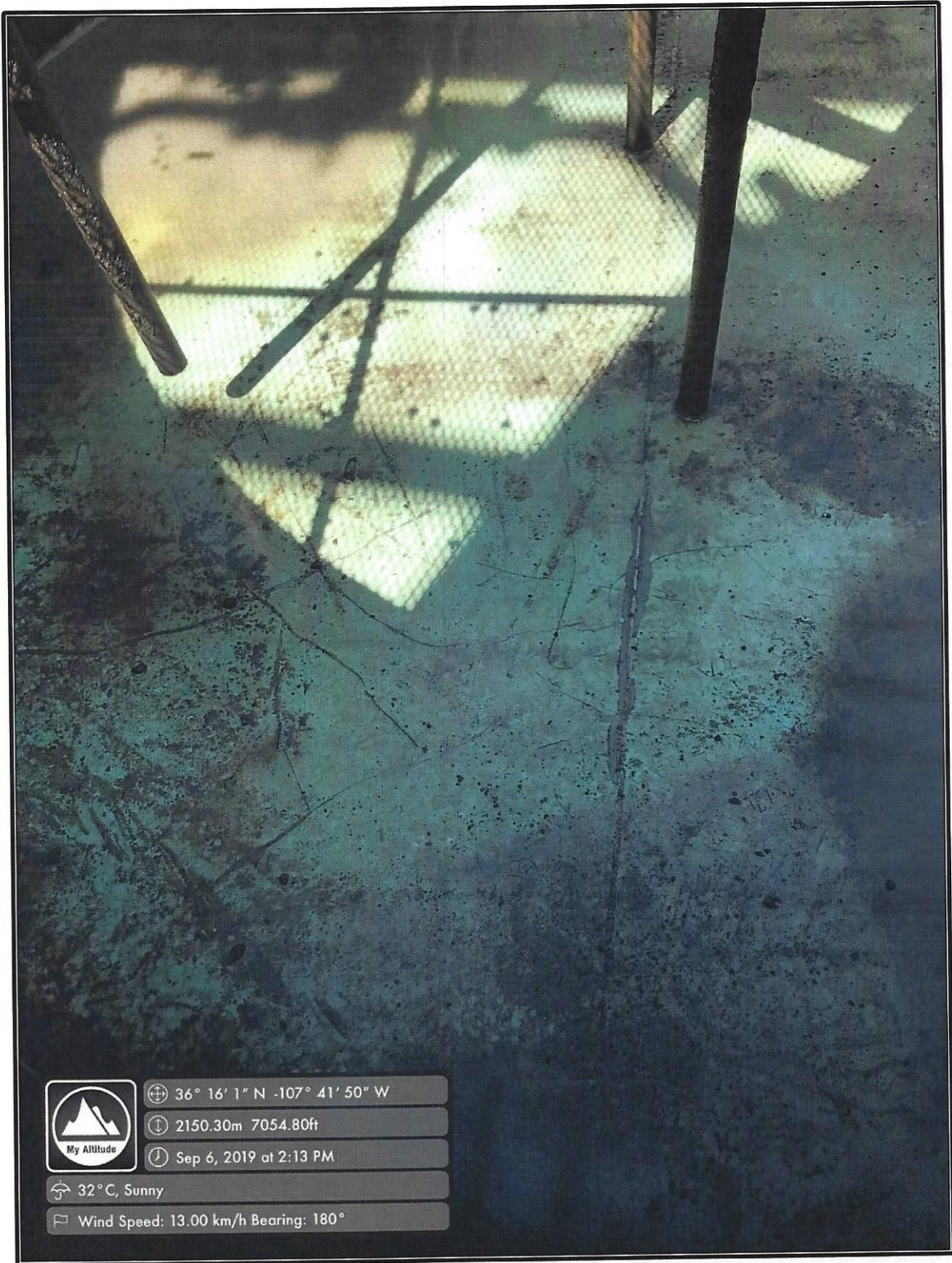


Photo 12: Picture of Pit Tank After Clean-Out (View 2)