

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Enduring Resources	OGRID: 372286
Contact Name: Chad Snell	Contact Telephone: 505-444-0586
Contact email: csnell@enduringresources.com	Incident # (assigned by OCD): NCS1909439826 <i>218</i>
Contact mailing address: 200 Energy Court	Farmington, New Mexico 87401

Location of Release Source

Latitude 36.2590237 Longitude -107.714816
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Chaco 2308 06H 395H	Site Type: Wellsite
Date Release Discovered: 3/17/2019	API# (if applicable) 30-045-35553

Unit Letter	Section	Township	Range	County
H	6	23N	8W	San Juan

KMOGD
MAY 09 2019
DISTRICT III

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) 11bbls	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	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

On 3/17/2019, a release occurred at the Chaco 2308 06H 395H when a truck was pulling a load of oil, oil began to come out of vent stack on the truck due to a malfunction on the truck. 11bbls of oil was released on to the pad. This was calculated by what the LACT meter read and how much the truck had in it. Clean up activities have taken place and confirmation sampling is completed.

60

Incident ID	
District RP	
Facility ID	
Application ID	

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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

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?	170 _____ (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 1/2-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.

Incident ID	
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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

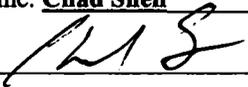
Closure

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

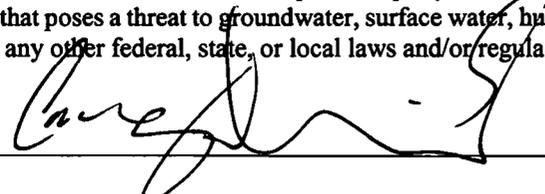
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public 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: Chad Snell Title: HSE TECH
 Signature:  Date: 5-7-2019
 email: csnell@enduringresources.com Telephone: (505)444-0586

OCD Only

Received by: GCD Date: 5/9/19

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: 6/14/19
 Printed Name: Cory Title: Environmental Spec

Chaco 2308 6H 395H Remediation Narrative

3/17/2019

A release occurred at the Chaco 2308 6H 395H, Sunday March 17th, 2019 when a transport truck inadvertently released 11 bbls of oil. Oil came out of the vent stack due to a truck malfunction. Transfer pump on the truck and valves were shut immediately to stop the release. Enduring Resources HSE personnel were called on to site to access release. Volume of the release was verified by the difference between the LACT meter and the amount of oil in the truck. Two hydrovac trucks were called on site to suck up all free standing oil. 20 bbls of fluid and dirt were removed by the hydrovacs. This concluded clean-up for the day.

3/21/2019

Additional cleanup activities took place using a back hoe to scrape up all contaminated soil. A total of 48 cubic yards of contaminated soil was removed from impacted area which concluded clean-up activities at this time.

3/26/2019

Email notification was sent to NMOCD that confirmation sampling would take place on Friday March 29th 2019 starting at 8:00 am. Please see attached "*Email Notification*".

3/29/2019

Enduring Resources personnel was on site to perform confirmation sampling. NMOCD was not on site to witness sampling. A total of 11 samples were taken from the excavated area, staying in the 200 square foot rule of sampling requirements, see attached "*Scaled Map*". Samples were taken to the lab for analysis of BTEX, GRO/DRO/ORO, and chlorides.

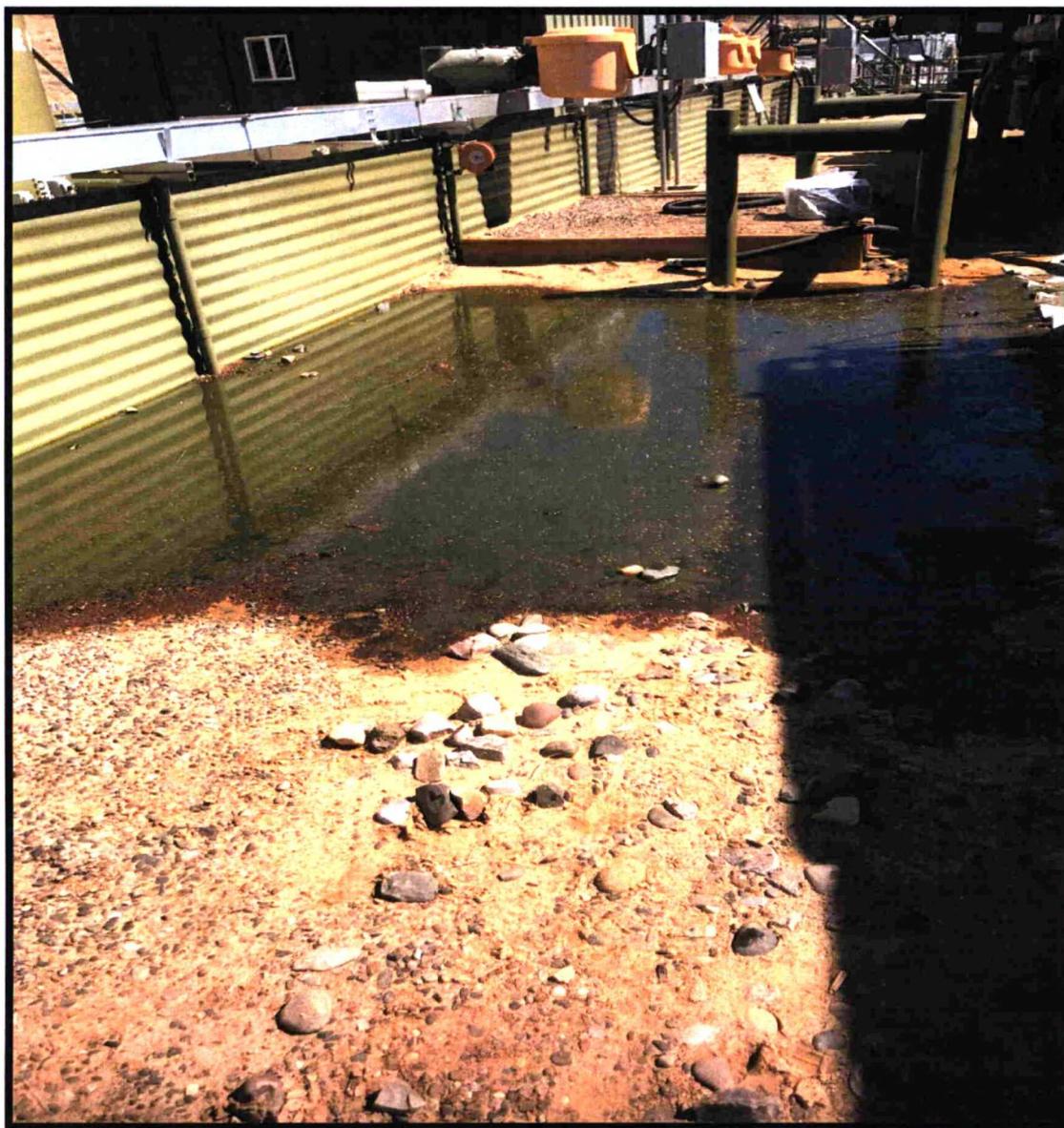
4/8/2019

Analytical report was received of samples taken on 3/29/2019 and, samples in "Sections 2, 7 and 10" had elevated results and needed further excavation in those three sections. "Sections 1, 3, 4, 5, 6, 8, 9, and 11" results confirmed that no further excavation was needed, and results were below regulatory standards at this site. See attached "*Sample Table*" and "*Analytical Report*". This site was ranked with ground water being at a depth greater than 100ft, determined by a test well that was drilled at the Logos 5. The test well was drilled to 120ft which no water was found. The elevation of logos 5 is 6,881ft and the elevation at the Chaco



Enduring Resources, LLC
Photo Page
Chaco 2308 6H 395H
30-045-35553

Photos: Impacted Area





Enduring Resources, LLC
Photo Page
Chaco 2308 6H 395H
30-045-35553



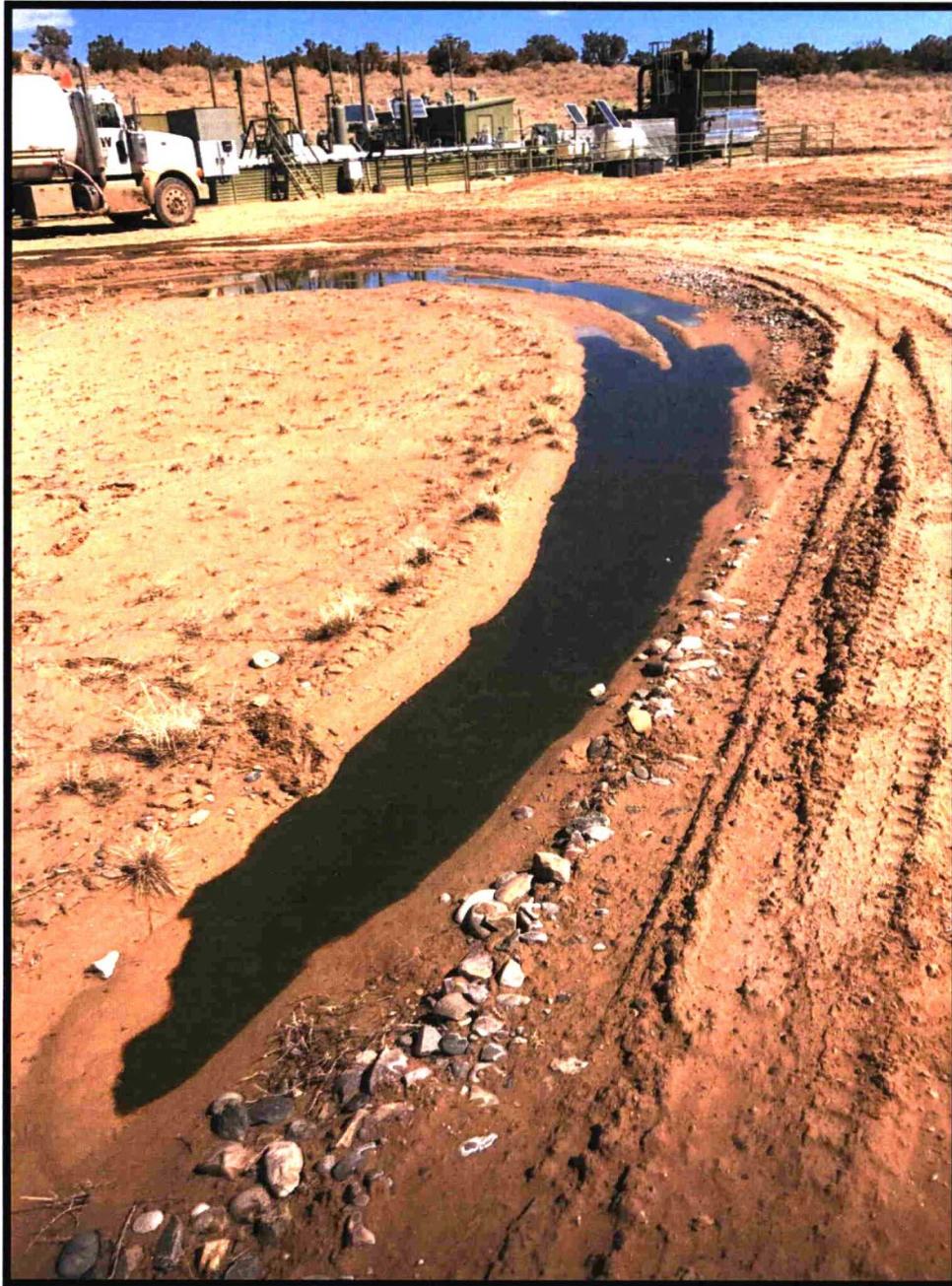


Enduring Resources, LLC
Photo Page
Chaco 2308 6H 395H
30-045-35553





Enduring Resources, LLC
Photo Page
Chaco 2308 6H 395H
30-045-35553





Enduring Resources, LLC
Photo Page
Chaco 2308 6H 395H
30-045-35553

Photos: After Clean-up



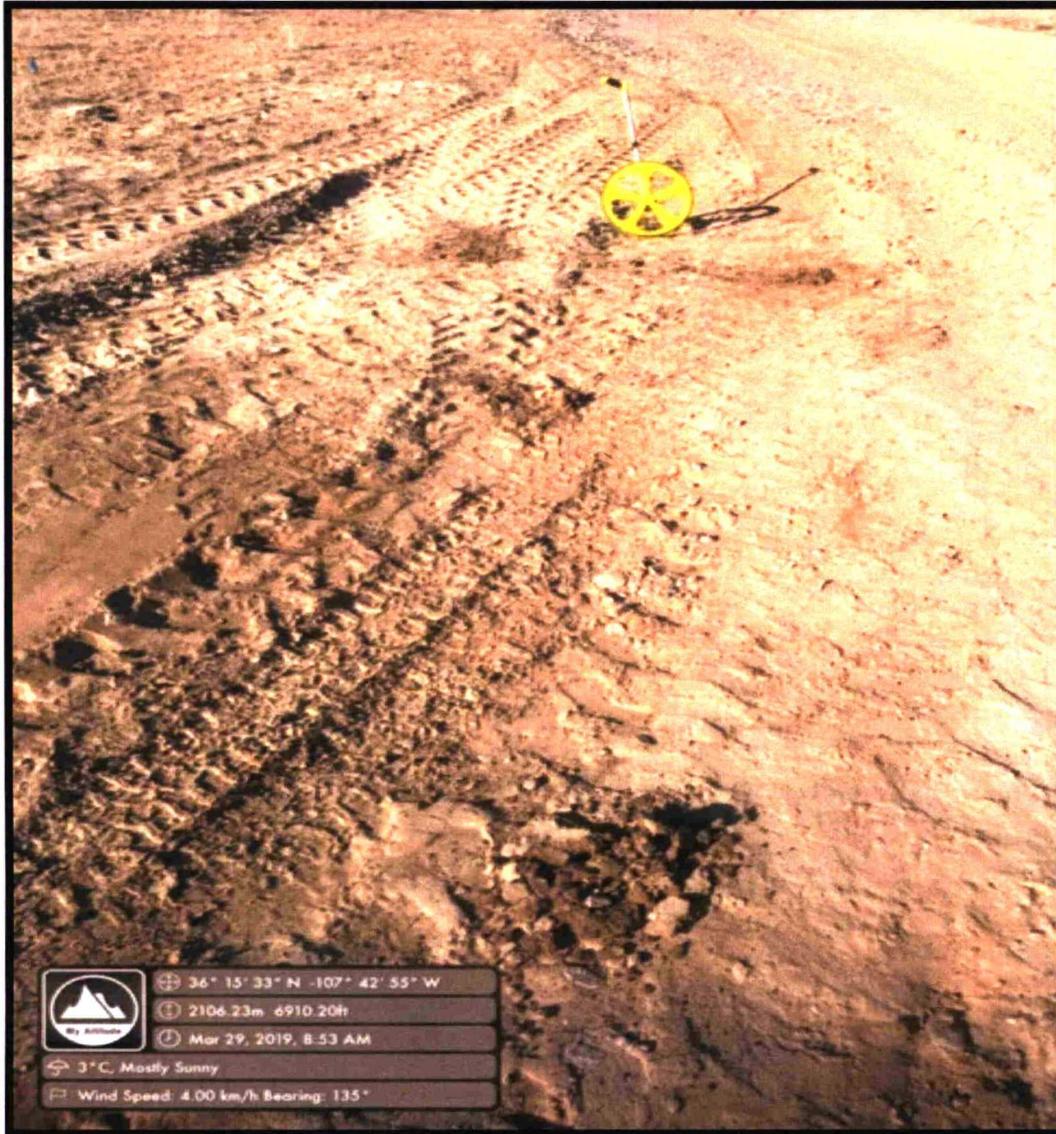


Enduring Resources, LLC
Photo Page
Chaco 2308 6H 395H
30-045-35553



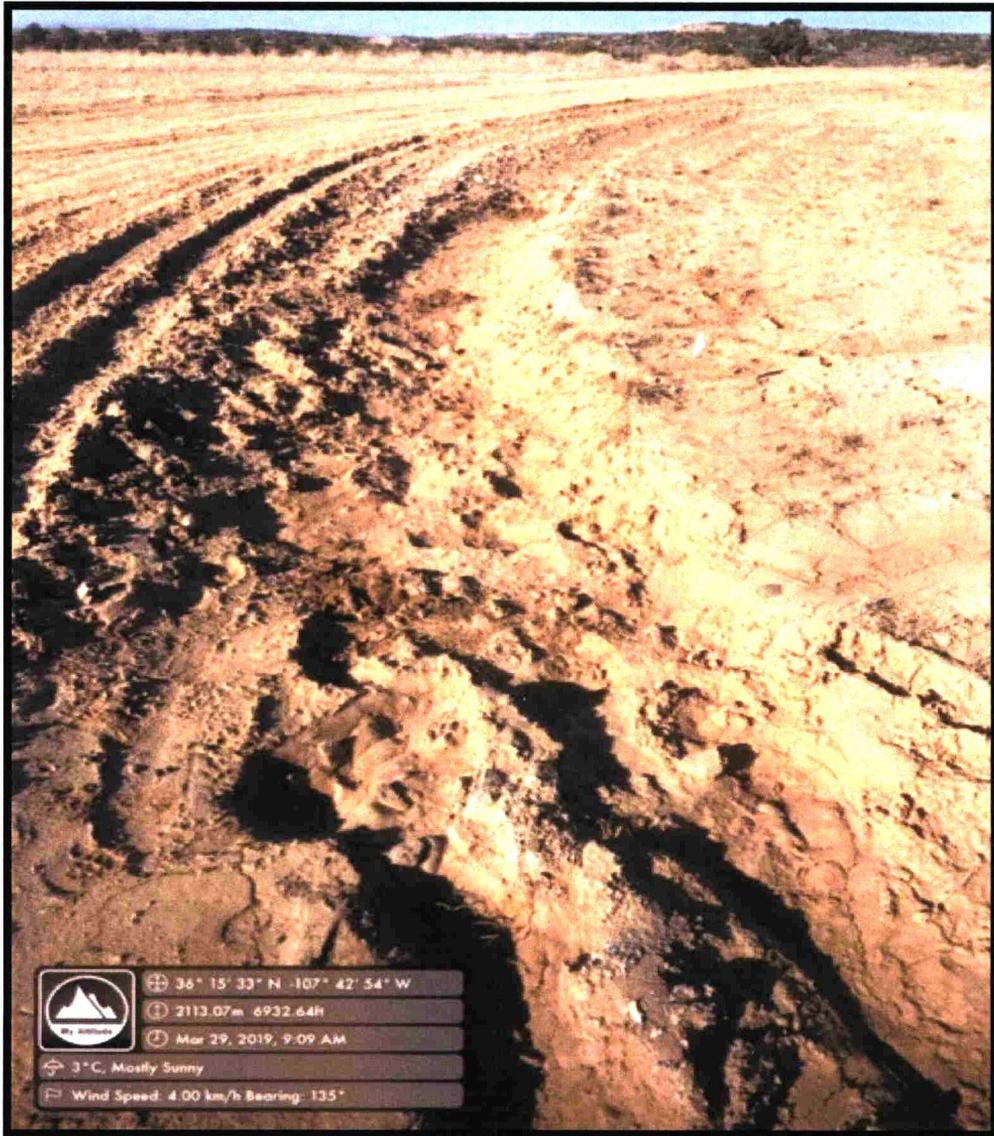


Enduring Resources, LLC
Photo Page
Chaco 2308 6H 395H
30-045-35553





Enduring Resources, LLC
Photo Page
Chaco 2308 6H 395H
30-045-35553





Enduring Resources, LLC
Photo Page
Chaco 2308 6H 395H
30-045-35553

Photo: Resample "Section 2"





Enduring Resources, LLC
Photo Page
Chaco 2308 6H 395H
30-045-35553

Photo: Resample of "Section 7"





Enduring Resources, LLC
Photo Page
Chaco 2308 6H 395H
30-045-35553

Photo: Resample "Section 10"



Chaco 2308 6H 395H Results Table

Sample Name	Date	Time	Chlorides	GRO	DRO	GRO+ DRO	ORO	TPH	Benzene	Total BTEX	Square Footage
STANDARD	NA	NA	20,000	NA	NA	1,000	NA	2,500	10	50	200
Section 1	3/29/2019	8:00 AM	21.2	<20	<25	< 45	< 50	<95	<0.025	<0.1	180sqft
Section 2	3/29/2019	8:05 AM	209	<20	1,460	1460	307	1767	<0.025	<0.1	200sqft
Section 3	3/29/2019	8:10 AM	120	<20	938	938	223	1161	<0.025	<0.1	200sqft
Section 4	3/29/2019	8:15 AM	164	<20	27.5	27.5	<50	27.5	<0.025	<0.1	198sqft
Section 5	3/29/2019	8:20 AM	110	<20	36.9	36.9	<50	36.9	<0.025	<0.1	198sqft
Section 6	3/29/2019	8:30 AM	47.8	<20	199	199	<50	199	<0.025	<0.1	198sqft
Section 7	3/29/2019	8:40 AM	<20	141	1570	1711	148	1859	0.051	8.891	140sqft
Section 8	3/29/2019	8:45 AM	< 20	<20	712	712	163	875	<0.025	0.028	198sqft
Section 9	3/29/2019	8:50 AM	62.9	<20	124	124	71.4	195	<0.025	<0.1	200sqft
Section 10	3/29/2019	8:55 AM	56.5	<20	1120	1120	193	1313	<0.025	0.089	200sqft
Section 11	3/29/2019	9:00 AM	<20	<20	32	32	<50	32	<0.025	<0.1	165sqft
Section 2	4/18/2019	2:00 PM	92	<20	124	144	91.7	236	<0.025	<0.1	200sqft
Section 7	4/18/2019	2:10 PM	<20	<20	<25	<45	<50	<95	<0.025	<0.1	140sqft
Section 10	4/18/2019	2:20 PM	93	<20	106	126	60.6	187	<0.025	<0.1	200sqft

Closure Samples

Chaco 2308 6H 395H Results Table

Sample Name	Date	Time	Chlorides	GRO	DRO	GRO+ DRO	ORO	TPH	Benzene	Total BTEX	Square Footage
STANDARD	NA	NA	20,000	NA	NA	1,000	NA	2,500	10	50	200
Section 1	3/29/2019	8:00 AM	21.2	<20	<25	< 45	< 50	<95	<0.025	<0.1	180sqft
Section 2	3/29/2019	8:05 AM	209	<20	1,460	1460	307	1767	<0.025	<0.1	200sqft
Section 3	3/29/2019	8:10 AM	120	<20	938	938	223	1161	<0.025	<0.1	200sqft
Section 4	3/29/2019	8:15 AM	164	<20	27.5	27.5	<50	27.5	<0.025	<0.1	198sqft
Section 5	3/29/2019	8:20 AM	110	<20	36.9	36.9	<50	36.9	<0.025	<0.1	198sqft
Section 6	3/29/2019	8:30 AM	47.8	<20	199	199	<50	199	<0.025	<0.1	198sqft
Section 7	3/29/2019	8:40 AM	<20	141	1570	1711	148	1859	0.051	8.891	140sqft
Section 8	3/29/2019	8:45 AM	< 20	<20	712	712	163	875	<0.025	0.028	198sqft
Section 9	3/29/2019	8:50 AM	62.9	<20	124	124	71.4	195	<0.025	<0.1	200sqft
Section 10	3/29/2019	8:55 AM	56.5	<20	1120	1120	193	1313	<0.025	0.089	200sqft
Section 11	3/29/2019	9:00 AM	<20	<20	32	32	<50	32	<0.025	<0.1	165sqft
Section 2	4/18/2019	2:00 PM	92	<20	124	144	91.7	236	<0.025	<0.1	200sqft
Section 7	4/18/2019	2:10 PM	<20	<20	<25	<45	<50	<95	<0.025	<0.1	140sqft
Section 10	4/18/2019	2:20 PM	93	<20	106	126	60.6	187	<0.025	<0.1	200sqft

Closure Samples



National Flood Hazard Layer FIRMette



36°15'46.99"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- | | | |
|------------------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone 1</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance |
| | | 17.5 Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |



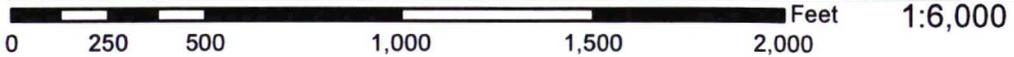
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/1/2019 at 12:52:52 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

USGS The National Map: Orthoimagery. Data refreshed October, 2017.



36°15'17.98"N

107°42'34.61"W

BASEMAPS >

MAP LAYERS >

- Wetlands 1 2
- Riparian 1 2
- Riparian Mapping Areas 1 2
- Data Source 1 2
 - Source Type
 - Image Scale
 - Image Year
- Areas of Interest ?
- FWS Managed Lands 1 2
- Historic Wetland Data 1 2



1:2,257
36.258 | -107.718

Save As... Ctrl+S

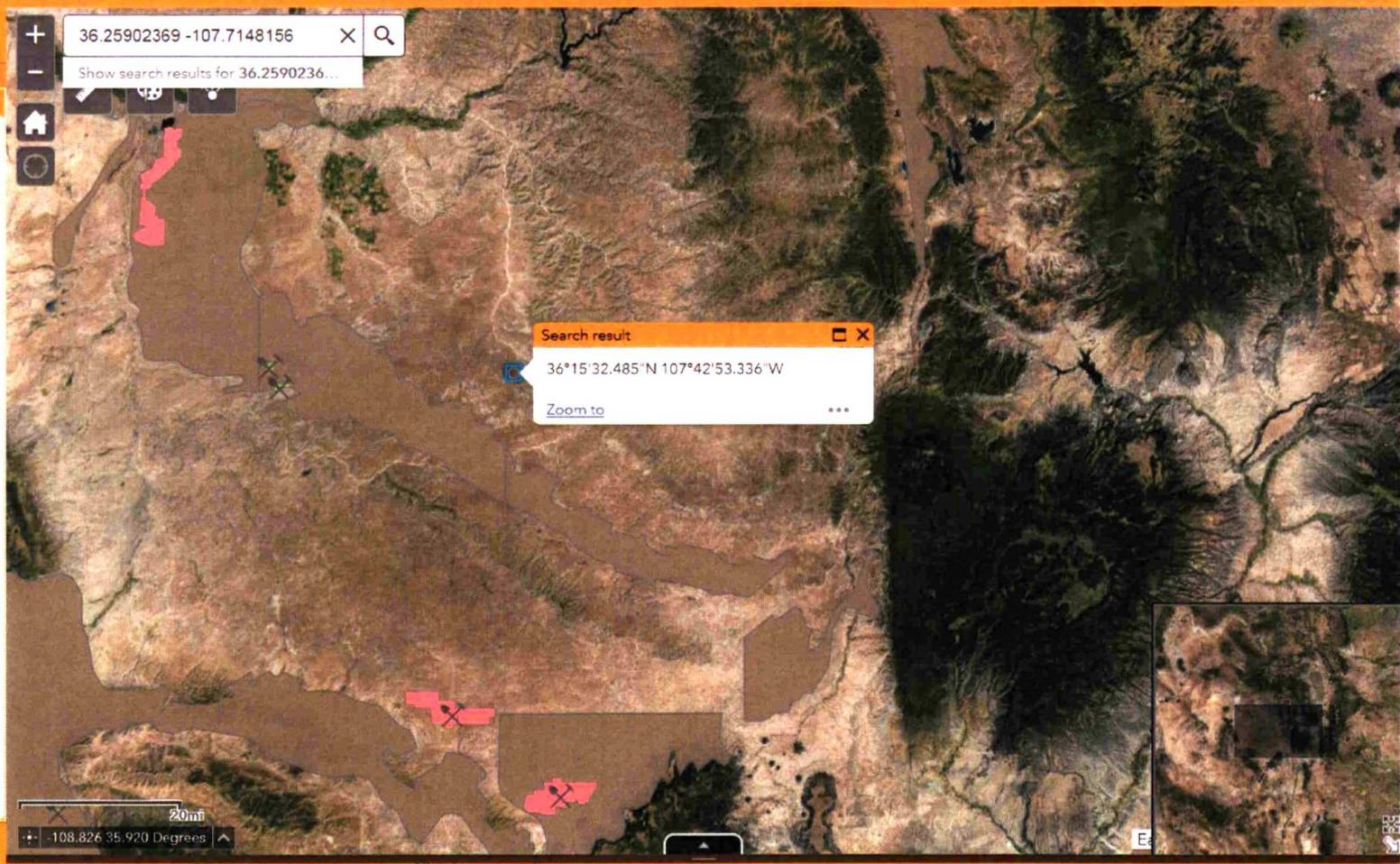
Legend

Coal Mines

Coal Permit Boundaries (2015)

- Active Mining
- Reclamation Only
- Bond Released

NM Coal Districts



MO-TE DRILLING, INC.

DAY Thur

DRILLER <u>Zach M</u>	LEFT TOWN	ARRIVED FIELD
HELPER <u>Bob H.</u>	LEFT FIELD	ARRIVED TOWN
HELPER <u>Tom H.</u>	TOTAL FOOTAGE TODAY	
RIG NO. <u>207</u>	DATE <u>1-17-13</u>	CLIENT <u>Logas Operating</u>
BEGIN WORK ON HOLE NO. <u>Logas #5</u>	AT	FEET
BEGIN WORK ON HOLE NO. <u>Test hole G/4</u>	AT	FEET

TIME		ACTIVITY
FROM	TO	
8 ⁴⁵	9 ³⁰	Drive to location
9 ³⁰	10 ⁰⁰	Rig Up
10 ⁰⁰	10 ¹⁵	Drill 6/4 from 0 to 65'
10 ¹⁵	11 ¹⁵	Trip out wait 1 hour test for water
11 ¹⁵	11 ³⁰	Drill 6/4 from 65' to <u>120</u>
11 ³⁰	1 ⁰⁰	Trip out ^{ROAD} wait 1 hour test for water
		back fill hole.
1 ⁰⁰	2 ¹⁵	Drive back to yard
		NO WATER
		0-10' SAND 80-90' shale
		10-20' SAND 60-70' shale/clay
		20-30' SAND/clay 70-80' shale
		30-40' clay 80-90' clay
		40-50' Sandstone/clay 90-100' clay

API # 30-045-35423

BIT RECORD			
SIZE & MAKE	SERIAL NO.	FOOTAGE	
			100'-110' Sandstone/Clay
			110'-120' Sand Clay Mix
			1 Day Rig 3500 ⁰⁰
CIRCULATION MATERIAL			
QUAN	UNIT	MATERIAL	
		Water	1 Day Supervisor 775 ⁰⁰
			Lent Meter 100 ⁰⁰
			Tax 311 ⁷²
			Total 4686 ⁷²

NO. OF LOADS OF WATER SOURCE



Chaco 2308 6H 395H Chaco 2308 6H 396H

Elevation 6,933ft

Chaco 2308 6I 397H

MC 4 COM 459H
MC 2 COM 283H
MC 3 COM 284H

Chaco 2308 3L 404H

Chaco 2308 4P 149H
Chaco 2308 4P 149H

Logos 5
Test Hole: Elevation 6,881ft

Warner Caldwell 3B Warner Caldwell 1A
MC 4 COM 285H

Turtle Mountain Delivery Point

Chaco 2308 9A 145H

Logos 6

7890

Hwy 550 2504ft

© 2018 Google

Google Earth



107.7148156 36.25902369 X Q

Show search results for -107.7...

Basemap Gallery

- Imagery
- Imagery with Labels
- National Geographic
- OpenStreetMap
- Streets
- Terrain with Labels
- Topographic
- USA Topo Maps
- USGS National Map

Measurement

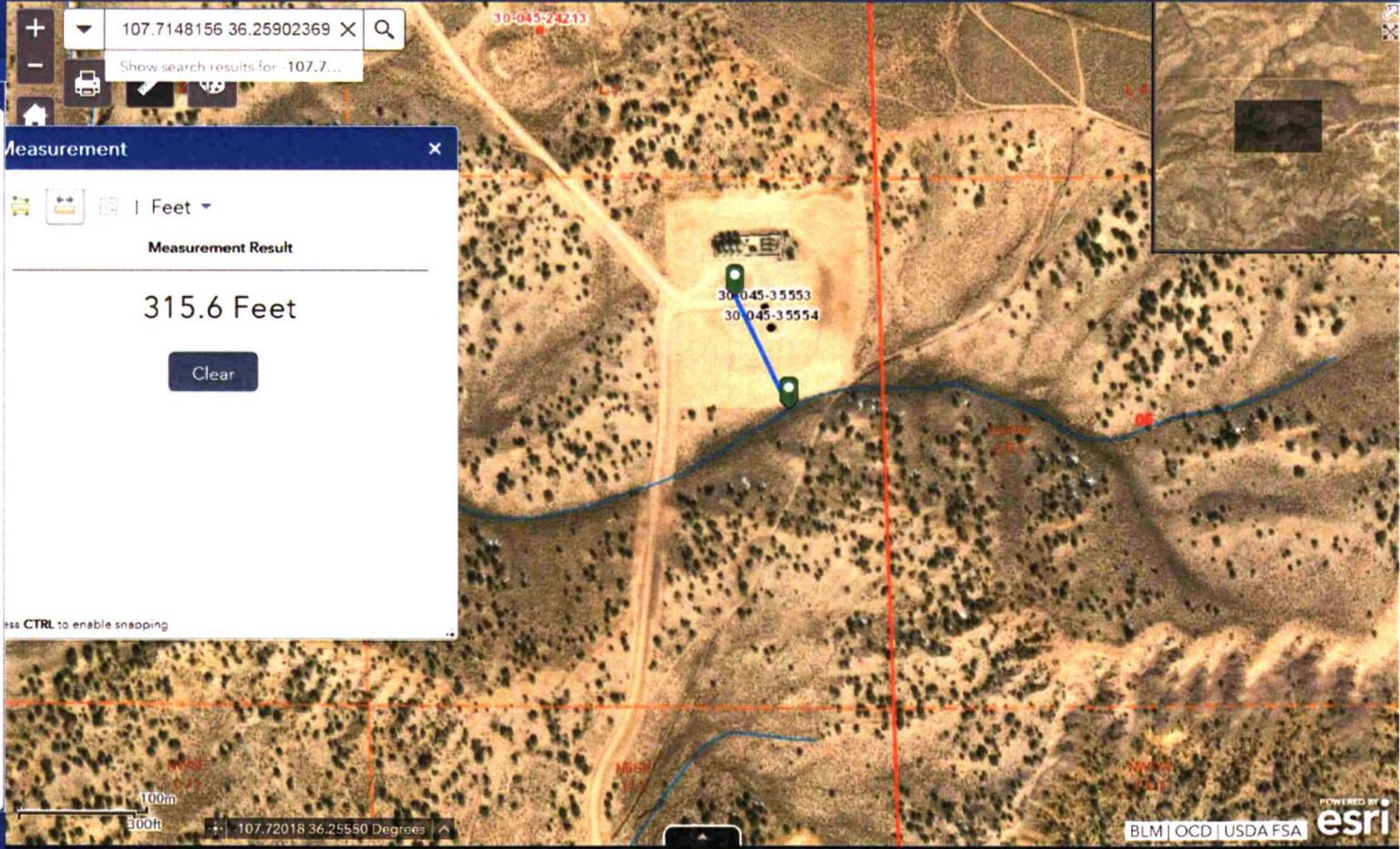
1 Feet

Measurement Result

315.6 Feet

Clear

Use CTRL to enable snapping





Analytical Report

Report Summary

Client: Enduring Resources, LLC

Samples Received: 3/29/2019

Job Number: 18091-0006

Work Order: P904001

Project Name/Location: Chaco 2308 6H 395H

Report Reviewed By:

Date: 4/8/19

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. currently holds the appropriate and available Utah TNi certification NM009792018-1 for the data reported.



Enduring Resources, LLC
511 16th Street, Suite 700
Denver CO, 80202

Project Name: Chaco 2308 6H 395H
Project Number: 18091-0006
Project Manager: Chad Snell

Reported:
04/08/19 11:46

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Section 1	P904001-01A	Soil	03/29/19	03/29/19	Glass Jar, 4 oz.
Section 2	P904001-02A	Soil	03/29/19	03/29/19	Glass Jar, 4 oz.
Section 3	P904001-03A	Soil	03/29/19	03/29/19	Glass Jar, 4 oz.
Section 4	P904001-04A	Soil	03/29/19	03/29/19	Glass Jar, 4 oz.
Section 5	P904001-05A	Soil	03/29/19	03/29/19	Glass Jar, 4 oz.
Section 6	P904001-06A	Soil	03/29/19	03/29/19	Glass Jar, 4 oz.
Section 7	P904001-07A	Soil	03/29/19	03/29/19	Glass Jar, 4 oz.
Section 8	P904001-08A	Soil	03/29/19	03/29/19	Glass Jar, 4 oz.
Section 9	P904001-09A	Soil	03/29/19	03/29/19	Glass Jar, 4 oz.
Section 10	P904001-10A	Soil	03/29/19	03/29/19	Glass Jar, 4 oz.
Section 11	P904001-11A	Soil	03/29/19	03/29/19	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

**Section 1
P904001-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		98.5 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		103 %		50-200	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		98.5 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	21.2	20.0	mg/kg	1	1914011	04/02/19	04/02/19	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

**Section 2
P904001-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatle Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.7 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	1460	25.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
Oil Range Organics (C28-C40)	307	50.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		125 %		50-200	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.7 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	209	20.0	mg/kg	1	1914011	04/02/19	04/02/19	EPA 300.0/9056A	
----------	-----	------	-------	---	---------	----------	----------	--------------------	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

**Section 3
P904001-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatiles Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		98.6 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	938	25.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
Oil Range Organics (C28-C40)	223	50.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		115 %		50-200	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		98.6 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	120	20.0	mg/kg	1	1914011	04/02/19	04/02/19	EPA 300.0/9056A	
----------	-----	------	-------	---	---------	----------	----------	--------------------	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

**Section 4
P904001-04 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		99.8 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	27.5	25.0	mg/kg	1	1914006	04/01/19	04/03/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1914006	04/01/19	04/03/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		109 %		50-200	1914006	04/01/19	04/03/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		99.8 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	164	20.0	mg/kg	1	1914011	04/02/19	04/02/19	EPA 300.0/9056A	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

**Section 5
P904001-05 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatle Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	36.9	25.0	mg/kg	1	1914006	04/01/19	04/03/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1914006	04/01/19	04/03/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		108 %		50-200	1914006	04/01/19	04/03/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	110	20.0	mg/kg	1	1914011	04/02/19	04/02/19	EPA 300.0/9056A	
----------	-----	------	-------	---	---------	----------	----------	--------------------	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

**Section 6
P904001-06 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatle Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	199	25.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		92.9 %		50-200	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	47.8	20.0	mg/kg	1	1914011	04/02/19	04/02/19	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

**Section 7
P904001-07 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	0.0510	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Toluene	1.49	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Ethylbenzene	1.03	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
p,m-Xylene	4.42	0.0500	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
o-Xylene	1.90	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Total Xylenes	6.32	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		107 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		85.5 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	141	20.0	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	1570	25.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
Oil Range Organics (C28-C40)	148	50.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		143 %		50-200	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		107 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		85.5 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1914011	04/02/19	04/02/19	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

**Section 8
P904001-08 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatiles Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
o-Xylene	0.0280	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Total Xylenes	0.0280	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		98.5 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		95.4 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	712	25.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
Oil Range Organics (C28-C40)	163	50.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		93.2 %		50-200	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		98.5 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		95.4 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1914011	04/02/19	04/02/19	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

**Section 9
P904001-09 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.3 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		101 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	124	25.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
Oil Range Organics (C28-C40)	71.4	50.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		92.6 %		50-200	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.3 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		101 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	62.9	20.0	mg/kg	1	1914011	04/02/19	04/03/19	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

**Section 10
P904001-10 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
o-Xylene	0.0890	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Total Xylenes	0.0890	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.8 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		99.8 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	1120	25.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
Oil Range Organics (C28-C40)	193	50.0	mg/kg	1	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		98.3 %		50-200	1914006	04/01/19	04/02/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.8 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		99.8 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	56.5	20.0	mg/kg	1	1914011	04/02/19	04/03/19	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

**Section 11
P904001-11 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatle Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.8 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		99.6 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		100 %		70-130	1914009	04/02/19	04/05/19	EPA 8260B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1914009	04/02/19	04/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	32.0	25.0	mg/kg	1	1914006	04/01/19	04/03/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1914006	04/01/19	04/03/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		106 %		50-200	1914006	04/01/19	04/03/19	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.8 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		99.6 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		100 %		70-130	1914009	04/02/19	04/05/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1914011	04/02/19	04/03/19	EPA 300.0/9056A	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1914009 - Purge and Trap EPA 5030A

Blank (1914009-BLK1)

Prepared: 04/02/19 0 Analyzed: 04/05/19 1

Benzene	ND	0.0250	mg/kg							
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: 1,2-Dichloroethane-d4	0.474		"	0.500		94.8	70-130			
Surrogate: Toluene-d8	0.501		"	0.500		100	70-130			
Surrogate: Bromofluorobenzene	0.494		"	0.500		98.7	70-130			

LCS (1914009-BS1)

Prepared: 04/02/19 0 Analyzed: 04/05/19 1

Benzene	2.22	0.0250	mg/kg	2.50		88.9	70-130			
Toluene	2.35	0.0250	"	2.50		93.8	70-130			
Ethylbenzene	2.47	0.0250	"	2.50		98.6	70-130			
p,m-Xylene	4.48	0.0500	"	5.00		89.5	70-130			
o-Xylene	2.48	0.0250	"	2.50		99.4	70-130			
Total Xylenes	6.96	0.0250	"	7.50		92.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		"	0.500		96.6	70-130			
Surrogate: Toluene-d8	0.509		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.513		"	0.500		103	70-130			

Matrix Spike (1914009-MS1)

Source: P904001-01

Prepared: 04/02/19 0 Analyzed: 04/05/19 1

Benzene	2.09	0.0250	mg/kg	2.50	ND	83.6	48-131			
Toluene	2.19	0.0250	"	2.50	ND	87.4	48-130			
Ethylbenzene	2.31	0.0250	"	2.50	ND	92.4	45-135			
p,m-Xylene	4.19	0.0500	"	5.00	ND	83.8	43-135			
o-Xylene	2.33	0.0250	"	2.50	ND	93.2	43-135			
Total Xylenes	6.52	0.0250	"	7.50	ND	87.0	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.481		"	0.500		96.2	70-130			
Surrogate: Toluene-d8	0.506		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.511		"	0.500		102	70-130			

Matrix Spike Dup (1914009-MSD1)

Source: P904001-01

Prepared: 04/02/19 0 Analyzed: 04/05/19 1

Benzene	2.29	0.0250	mg/kg	2.50	ND	91.5	48-131	9.09	23	
Toluene	2.38	0.0250	"	2.50	ND	95.0	48-130	8.35	24	
Ethylbenzene	2.54	0.0250	"	2.50	ND	101	45-135	9.33	27	
p,m-Xylene	4.57	0.0500	"	5.00	ND	91.3	43-135	8.55	27	
o-Xylene	2.55	0.0250	"	2.50	ND	102	43-135	9.11	27	
Total Xylenes	7.12	0.0250	"	7.50	ND	94.9	43-135	8.75	27	
Surrogate: 1,2-Dichloroethane-d4	0.475		"	0.500		95.0	70-130			
Surrogate: Toluene-d8	0.501		"	0.500		100	70-130			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1914009 - Purge and Trap EPA 5030A

Matrix Spike Dup (1914009-MSD1) **Source: P904001-01** **Prepared: 04/02/19 0 Analyzed: 04/05/19 1**

<i>Surrogate: Bromofluorobenzene</i>	0.535		mg/kg	0.500		107	70-130			
--------------------------------------	-------	--	-------	-------	--	-----	--------	--	--	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1914006 - DRO Extraction EPA 3570

Blank (1914006-BLK1)											
										Prepared: 04/01/19 Analyzed: 04/02/19	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg								
Oil Range Organics (C28-C40)	ND	50.0	"								
<i>Surrogate: n-Nonane</i>	49.7		"	50.0		99.3	50-200				
LCS (1914006-BS1)											
										Prepared: 04/01/19 Analyzed: 04/02/19	
Diesel Range Organics (C10-C28)	482	25.0	mg/kg	500		96.5	38-132				
<i>Surrogate: n-Nonane</i>	49.2		"	50.0		98.4	50-200				
Matrix Spike (1914006-MS1)											
			Source: P903063-01								Prepared: 04/01/19 Analyzed: 04/02/19
Diesel Range Organics (C10-C28)	423	25.0	mg/kg	500	ND	84.7	38-132				
<i>Surrogate: n-Nonane</i>	40.0		"	50.0		80.0	50-200				
Matrix Spike Dup (1914006-MSD1)											
			Source: P903063-01								Prepared: 04/01/19 Analyzed: 04/02/19
Diesel Range Organics (C10-C28)	470	25.0	mg/kg	500	ND	94.1	38-132	10.5	20		
<i>Surrogate: n-Nonane</i>	46.6		"	50.0		93.2	50-200				

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1914009 - Purge and Trap EPA 5030A

Blank (1914009-BLK1)

Prepared: 04/02/19 0 Analyzed: 04/05/19 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.474		"	0.500		94.8	70-130			
Surrogate: Toluene-d8	0.501		"	0.500		100	70-130			
Surrogate: Bromofluorobenzene	0.494		"	0.500		98.7	70-130			

LCS (1914009-BS2)

Prepared: 04/02/19 0 Analyzed: 04/05/19 1

Gasoline Range Organics (C6-C10)	55.1	20.0	mg/kg	50.0		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		"	0.500		92.3	70-130			
Surrogate: Toluene-d8	0.511		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.495		"	0.500		99.0	70-130			

Matrix Spike (1914009-MS2)

Source: P904001-01

Prepared: 04/02/19 0 Analyzed: 04/05/19 1

Gasoline Range Organics (C6-C10)	52.2	20.0	mg/kg	50.0	ND	104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		"	0.500		97.4	70-130			
Surrogate: Toluene-d8	0.502		"	0.500		100	70-130			
Surrogate: Bromofluorobenzene	0.513		"	0.500		103	70-130			

Matrix Spike Dup (1914009-MSD2)

Source: P904001-01

Prepared: 04/02/19 0 Analyzed: 04/05/19 1

Gasoline Range Organics (C6-C10)	56.9	20.0	mg/kg	50.0	ND	114	70-130	8.74	20	
Surrogate: 1,2-Dichloroethane-d4	0.482		"	0.500		96.4	70-130			
Surrogate: Toluene-d8	0.506		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.515		"	0.500		103	70-130			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1914011 - Anion Extraction EPA 300.0/9056A

Blank (1914011-BLK1)				Prepared & Analyzed: 04/02/19 1						
Chloride	ND	20.0	mg/kg							
LCS (1914011-BS1)				Prepared & Analyzed: 04/02/19 1						
Chloride	253	20.0	mg/kg	250		101	90-110			
Matrix Spike (1914011-MS1)				Source: P904001-01		Prepared & Analyzed: 04/02/19 1				
Chloride	275	20.0	mg/kg	250	21.2	102	80-120			
Matrix Spike Dup (1914011-MSD1)				Source: P904001-01		Prepared: 04/02/19 1 Analyzed: 04/02/19 2				
Chloride	277	20.0	mg/kg	250	21.2	102	80-120	0.580	20	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 18091-0006 Project Manager: Chad Snell	Reported: 04/08/19 11:46
---	---	-----------------------------

Notes and Definitions

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- ** Methods marked with ** are non-accredited methods.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Project Information

Chain of Custody

Client: Enduring Resources
 Project: Chaco 2308 6H 395H
 Project Manager: Chad Small
 Address: 200 Energy Court
 City, State, Zip: Farmington, NM 87401
 Phone: (505) 444-0586
 Email: C.Small@EnduringResources.com

Report due by: _____
 Attention: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____

Lab Use Only				TAT		EPA Program						
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA						
<u>P91401</u>	<u>18041-006</u>											
Analysis and Method								State				
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1			NM	CO	UT	AZ
									X			

Page 20 of 21

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	Remarks
8:00am	3-29-19	S	1	Section 1	1	X	X	X			X		
8:05am	3-29-19	S	1	Section 2	2	X	X	X			X		
8:10am	3-29-19	S	1	Section 3	3	X	X	X			X		
8:15am	3-29-19	S	1	Section 4	4	X	X	X			X		
8:20am	3-29-19	S	1	Section 5	5	X	X	X			X		
8:30am	3-29-19	S	1	Section 6	6	X	X	X			X		
8:40am	3-29-19	S	1	Section 7	7	X	X	X			X		
8:45	3-29-19	S	1	Section 8	8	X	X	X			X		
8:50	3-29-19	S	1	Section 9	9	X	X	X			X		
8:55	3-29-19	S	1	Section 10	10	X	X	X			X		

Additional Instructions:

Invoice to Andeavor

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: 3-29-19 [Signature]

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) <u>[Signature]</u>	Date <u>3-29-19</u>	Time <u>3:40pm</u>	Received by: (Signature) <u>Rana Lopez</u>	Date <u>3-29-19</u>	Time <u>3:45pm</u>	Lab Use Only Received on ice: <u>Y / (N)</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 <u>10.8</u> T2 <u>11.0</u> T3 <u>11.2</u> AVG Temp °C <u>11.0</u>

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		Chain of Custody		Lab Use Only		TAT		EPA Program				
Client: <u>Enduring Resources</u>		Report Attention		Lab WO#		Job Number		1D	3D	RCRA	CWA	SDWA
Project: <u>Chico 2308 GH 395H</u>		Report due by:		<u>P904001</u>		<u>18091-0006</u>						
Project Manager: <u>Chad Snell</u>		Attention:		Analysis and Method		State						
Address: <u>200 Energy Court</u>		Address:										
City, State, Zip: <u>Farmington NM</u>		City, State, Zip:										
Phone: <u>(505) 444-0586</u>		Phone:										
Email:		Email:										

Page 21 of 21

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	State				Remarks			
													NM	CO	UT	AZ				
9:00am	3-29-19	S	1	Section 11	11	X	X	X												

Additional Instructions: Inquire to Ardeavor

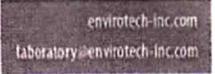
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Chad Snell 3-29-19

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		
<u>[Signature]</u>	3-29-19	3:40pm	<u>Rain Lopez</u>	3-29-19	3:45pm	Received on ice: Y / N		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1	T2	T3
						10.8	11.0	11.2
						AVG Temp °C <u>11.0</u>		

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.



Analytical Report

Report Summary

Client: Enduring Resources, LLC

Samples Received: 4/18/2019

Job Number: 17065-0017

Work Order: P904108

Project Name/Location: Chaco 2308 6H 395H

Report Reviewed By:



Date: 4/24/19

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. currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 04/24/19 15:42
---	---	-----------------------------

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Section 2	P904108-01A	Soil	04/18/19	04/18/19	Glass Jar, 4 oz.
Section 7	P904108-02A	Soil	04/18/19	04/18/19	Glass Jar, 4 oz.
Section 10	P904108-03A	Soil	04/18/19	04/18/19	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 04/24/19 15:42
---	---	-----------------------------

**Section 2
P904108-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatle Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %		50-150	1916037	04/19/19	04/22/19	EPA 8021B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8015D	
Diesel Range Organics (C10-C28)	124	25.0	mg/kg	1	1916041	04/22/19	04/23/19	EPA 8015D	
Oil Range Organics (C28-C40)	91.7	50.0	mg/kg	1	1916041	04/22/19	04/23/19	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %		50-150	1916037	04/19/19	04/22/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		97.5 %		50-200	1916041	04/22/19	04/23/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	92.0	20.0	mg/kg	1	1917003	04/22/19	04/22/19	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 04/24/19 15:42
---	---	-----------------------------

**Section 7
P904108-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatiles by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %		50-150	1916037	04/19/19	04/22/19	EPA 8021B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1916041	04/22/19	04/23/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1916041	04/22/19	04/23/19	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %		50-150	1916037	04/19/19	04/22/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		95.5 %		50-200	1916041	04/22/19	04/23/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1917003	04/22/19	04/22/19	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 04/24/19 15:42
---	---	-----------------------------

**Section 10
P904108-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatle Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %		50-150	1916037	04/19/19	04/22/19	EPA 8021B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1916037	04/19/19	04/22/19	EPA 8015D	
Diesel Range Organics (C10-C28)	106	25.0	mg/kg	1	1916041	04/22/19	04/23/19	EPA 8015D	
Oil Range Organics (C28-C40)	60.6	50.0	mg/kg	1	1916041	04/22/19	04/23/19	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.8 %		50-150	1916037	04/19/19	04/22/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		94.2 %		50-200	1916041	04/22/19	04/23/19	EPA 8015D	

Anions by 300.0/9056A

Chloride	93.0	20.0	mg/kg	1	1917003	04/22/19	04/22/19	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 04/24/19 15:42
---	---	-----------------------------

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1916037 - Purge and Trap EPA 5030A

Blank (1916037-BLK1)		Prepared: 04/19/19 0 Analyzed: 04/22/19 1								
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	7.96		"	8.00		99.5	50-150			

LCS (1916037-BS1)		Prepared: 04/19/19 0 Analyzed: 04/22/19 1								
Benzene	4.64	0.0250	mg/kg	5.00		92.8	70-130			
Toluene	5.05	0.0250	"	5.00		101	70-130			
Ethylbenzene	5.03	0.0250	"	5.00		101	70-130			
p,m-Xylene	10.4	0.0500	"	10.0		104	70-130			
o-Xylene	5.03	0.0250	"	5.00		101	70-130			
Total Xylenes	15.4	0.0250	"	15.0		103	70-130			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	7.98		"	8.00		99.8	50-150			

Matrix Spike (1916037-MS1)		Source: P904105-01		Prepared: 04/19/19 0 Analyzed: 04/22/19 1						
Benzene	4.75	0.0250	mg/kg	5.00	ND	95.1	54.3-133			
Toluene	5.17	0.0250	"	5.00	ND	103	61.4-130			
Ethylbenzene	5.15	0.0250	"	5.00	ND	103	61.4-133			
p,m-Xylene	10.6	0.0500	"	10.0	ND	106	63.3-131			
o-Xylene	5.14	0.0250	"	5.00	ND	103	63.3-131			
Total Xylenes	15.7	0.0250	"	15.0	ND	105	63.3-131			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	7.89		"	8.00		98.7	50-150			

Matrix Spike Dup (1916037-MSD1)		Source: P904105-01		Prepared: 04/19/19 0 Analyzed: 04/22/19 1						
Benzene	4.73	0.0250	mg/kg	5.00	ND	94.6	54.3-133	0.499	20	
Toluene	5.14	0.0250	"	5.00	ND	103	61.4-130	0.640	20	
Ethylbenzene	5.12	0.0250	"	5.00	ND	102	61.4-133	0.708	20	
p,m-Xylene	10.5	0.0500	"	10.0	ND	105	63.3-131	0.611	20	
o-Xylene	5.12	0.0250	"	5.00	ND	102	63.3-131	0.516	20	
Total Xylenes	15.7	0.0250	"	15.0	ND	104	63.3-131	0.580	20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	7.91		"	8.00		98.8	50-150			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 04/24/19 15:42
---	---	-----------------------------

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1916037 - Purge and Trap EPA 5030A

Blank (1916037-BLK1)				Prepared: 04/19/19 0 Analyzed: 04/22/19 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		"	8.00		98.2	50-150			
LCS (1916037-BS2)				Prepared: 04/19/19 0 Analyzed: 04/22/19 1						
Gasoline Range Organics (C6-C10)	55.8	20.0	mg/kg	50.0		112	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		"	8.00		98.7	50-150			
Matrix Spike (1916037-MS2)				Source: P904105-01		Prepared: 04/19/19 0 Analyzed: 04/22/19 1				
Gasoline Range Organics (C6-C10)	54.4	20.0	mg/kg	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		"	8.00		97.9	50-150			
Matrix Spike Dup (1916037-MSD2)				Source: P904105-01		Prepared: 04/19/19 0 Analyzed: 04/22/19 2				
Gasoline Range Organics (C6-C10)	54.8	20.0	mg/kg	50.0	ND	110	70-130	0.644	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		"	8.00		98.4	50-150			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 04/24/19 15:42
---	---	-----------------------------

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1916041 - DRO Extraction EPA 3570

Blank (1916041-BLK1)		Prepared & Analyzed: 04/22/19 1								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	68.5		"	50.0		137	50-200			
LCS (1916041-BS1)		Prepared & Analyzed: 04/22/19 1								
Diesel Range Organics (C10-C28)	525	25.0	mg/kg	500		105	38-132			
Surrogate: n-Nonane	52.1		"	50.0		104	50-200			
Matrix Spike (1916041-MS1)		Source: P904099-01		Prepared & Analyzed: 04/22/19 1						
Diesel Range Organics (C10-C28)	676	125	mg/kg	500	ND	135	38-132			SPK1
Surrogate: n-Nonane	61.7		"	50.0		123	50-200			
Matrix Spike Dup (1916041-MSD1)		Source: P904099-01		Prepared & Analyzed: 04/22/19 1						
Diesel Range Organics (C10-C28)	681	125	mg/kg	500	ND	136	38-132	0.804	20	SPK1
Surrogate: n-Nonane	61.1		"	50.0		122	50-200			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 04/24/19 15:42
---	---	-----------------------------

Anions by 300.0/9056A - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1917003 - Anion Extraction EPA 300.0/9056A

Blank (1917003-BLK1)			Prepared: 04/22/19 0 Analyzed: 04/22/19 1							
Chloride	ND	20.0	mg/kg							
LCS (1917003-BS1)			Prepared: 04/22/19 0 Analyzed: 04/22/19 1							
Chloride	256	20.0	mg/kg	250		102	90-110			
Matrix Spike (1917003-MS1)			Source: P904115-01 Prepared: 04/22/19 0 Analyzed: 04/22/19 1							
Chloride	351	20.0	mg/kg	250	84.8	107	80-120			
Matrix Spike Dup (1917003-MSD1)			Source: P904115-01 Prepared: 04/22/19 0 Analyzed: 04/22/19 1							
Chloride	353	20.0	mg/kg	250	84.8	107	80-120	0.364	20	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

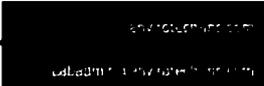


Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Chaco 2308 6H 395H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 04/24/19 15:42
---	---	-----------------------------

Notes and Definitions

- SPK1 The spike recovery is outside of quality control limits.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- ** Methods marked with ** are non-accredited methods.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Client: <u>Enduring Resources</u> Project: <u>Chaco 230864 3954</u> Project Manager: <u>Chad Snell</u> Address: <u>200 Energy Court</u> City, State, Zip: <u>Farmington, NM</u> Phone: <u>505 444-0586</u> Email: <u>Csnell@enduringresources.com</u>	Report Attention Report due by: _____ Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____	Lab Use Only Lab WO#: <u>P904108</u> Job Number: <u>17065-0017</u>	TAT 1D 3D	EPA Program RCRA CWA SDWA					
		Analysis and Method							
		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	State
									NM CO UT AZ

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	Remarks
2:00pm	4-18-19	S	1	Section 2	1	X	X	X			X		
2:10pm		S	1	Section 7	2	X	X	X			X		
2:20pm		S	1	Section 10	3	X	X	X			X		

Additional Instructions: vis ice in cooler

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Chad Snell 4-18-19

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) <u>Chad Snell</u>	Date <u>4-18-19</u>	Time <u>3:17pm</u>	Received by: (Signature) <u>Joshua A. Koffler</u>	Date <u>4-18-19</u>	Time <u>15:17</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
---	------------------------	-----------------------	--	------------------------	----------------------	---

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.

Page 11 of 11