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

completed.

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	NCS1934552153
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible	Party: Endu	ring Resources		OGRID: 3	372286	
Contact Nam	e: Chad Sn	ell		Contact Te	elephone: 505-444-0586	
Contact ema:	il: csnell@e	nduringresources	.com	Incident #	(assigned by OCD) NCS1934552153	
Contact mailing address: 200 Energy Court Fa			t	Farmingte	on, New Mexico 87401	
T	04.04004	,	Location	of Release So		
Latitude	30. 242807		(NAD 83 in deci	Longitude _ imal degrees to 5 decim		
Site Name: N	E Chaco Co	OM 168H		Site Type:	Wellsite	
Date Release	Discovered:	10/15/2019		API# (if app	plicable) 30-039-31173	
Unit Letter	Section	Township	Domas	Coun		
E E	Section 12	Township 23N	Range 7W	Rio Ar		
Surface Owner				Volume of I	Release justification for the volumes provided below)	
Crude Oil		Volume Release		calculations of specific	Volume Recovered (bbls)	
Produced	Water	Volume Release	d (bbls): 8		Volume Recovered (bbls): 0	
Is the concentration of dissolved chloride in produced water >10,000 mg/l?		loride in the	☐ Yes ☒ No			
Condensate Volume Released (bbls)			Volume Recovered (bbls)			
Natural G	as	Volume Release	d (Mcf)		Volume Recovered (Mcf)	
Other (describe) Volume/Weight Released (provide units)		units)	Volume/Weight Recovered (provide units)			
Cause of Rel On 10/15/20		rground line leak	was discovered a	t this well site. A	corrosion hole formed in a '90' on the water dump	

line from the separator, and 8 bbls of water was released into the soil below the equipment liner near the above ground water tank. The well was shut in and the leak was stopped. Production equipment was moved and closure activities have been

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
☐ Yes ☒ No	
707770	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	Initial Response
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.
☐ The impacted area ha	s been secured to protect human health and the environment.
Released materials ha	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have not been undertaken, explain why:
Per 19 15 29 8 R (4) NM	AC the responsible party may commence remediation immediately after discovery of a release. If remediation
has begun, please attach a	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are public health or the environm failed to adequately investiga	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

Form C-141 Page 3 State of New Mexico
Oil Conservation Division

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?	<u>>200</u> (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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well 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	.S.
☐ 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.

Form C-141

Page 4

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Form C-141 Page 5

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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.
2 and of the following terms must be confirmed as part of any request for a of remediation.
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
Extents of contamination must be fully delineated.
Contamination does not cause an imminent risk to human health, the environment, or groundwater.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: Title:
Signature: Date:
email: Telephone:
OCD Only
Received by: Date:
Approved Approved with Attached Conditions of Approval Denied Deferral Approved
Signature: Date:

Form C-141

Page 6

State of New Mexico Oil Conservation Division

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 must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office		
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)		
Description of remediation activities			
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regul restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.13 NMAC including notification to the Coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.13 NMAC includi	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.		
Printed Name: Chad Snell	Title: HSE Tech		
Signature:	Date: 1/2/20		
email: csnell@enduringresources.com	Telephone: (505)444-0586		
OCD Only			
Received by: OCD	Date: 1/2/2020		
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.		
Closure Approved by:	Date: 3/13/2020		
Printed Name: Cory Smith	Title: Environmental Specialist		
_			

NE Chaco COM 168H Remediation Narrative

10/15/2019

An underground line leak was discovered at this well site. A corrosion hole formed in a '90' on the water dump line from the separator, and 8 bbls of water was released into the soil below the equipment liner near the above ground water tank. The well was shut in and the leak was stopped.

10/17/2019

A hyrdovac truck was on-site to find the source of the leak and remove impacted soil. Approximately 60 bbls of impacted soil was removed and disposed of. No further excavation could be completed at this time due to impacted areas of the release extending under the on-site production tank.

11/22/2019

Production equipment was removed to continue remediation. A hydrovac truck was onsite and removed an additional 90 bbls of impacted soil.

11/25/2019

Email notification was sent to the NMOCD (Cory Smith) and the BLM (Abiodun Adeloye) that sampling activities would take place on Wednesday November 27th 2019 at 9:30am. See attached "Email Notification" for reference.

11/27/2019

Sampling activities began with Abiodun Adeloye with the BLM onsite to witness. A total of 5 composite samples were taken from the excavation one from each wall and the bottom. Sample were sent in for lab analysis for BTEX, TPH (DRO/GRO/ORO), and Chlorides.

12/3/2019

Analytical report was received and all samples (except for one) were below the least stringent standards listed in Table I 1,000 ppm TPH (DRO and GRO), 2,500 ppm TPH (DRO/GRO/ORO), 10 ppm Benzene, 50 ppm BTEX and 20,000 ppm Chlorides. Due to areas of the release being in the "Top Four Feet" closure standards for those areas would be the most

stringent listed in Table I (100 ppm TPH (DRO/GRO/ORO), 10 ppm Benzene, 50 ppm BTEX and 600 ppm Chlorides). The "South Wall" results indicated that further excavation was needed. The "North Wall", "East Wall", "West Wall" and "Bottom" were below closure standards and need no further excavation. See attached "Sample Results Table" for reference.

12/6/2019

Additional excavation was performed using a backhoe removing an additional 6 cubic yards of impacted soil from the "South Wall" of the excavation. 48 hour notification was sent to the NMOCD and the BLM that final closure sampling of the "South Wall" would take place on Tuesday December 10th 2019 at 10:30am.

12/10/2019

Sampling activities took place, the NMOCD nor the BLM had a representative on-site to witness sampling. One composite sample was taken of the excavated "South Wall" and was sent in for lab analysis. See attached "Sample Map" for reference.

12/11/2019

Analytical report was received and results were below regulatory standards. No further action is required.



Photo 1: Release

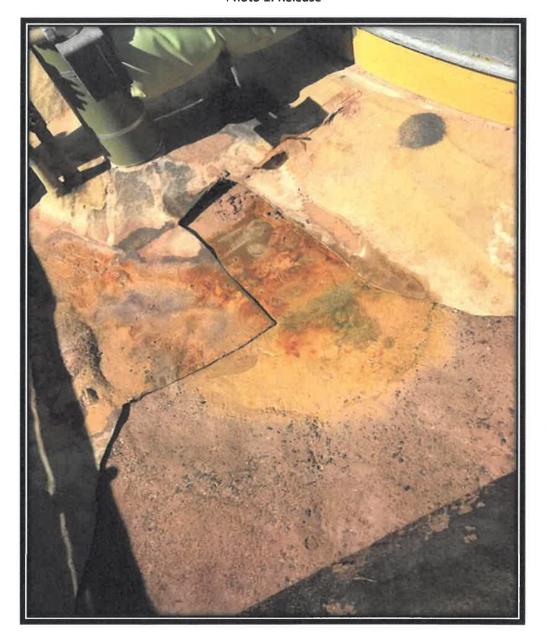




Photo 2: Excavation on sampling event 11/27/2019

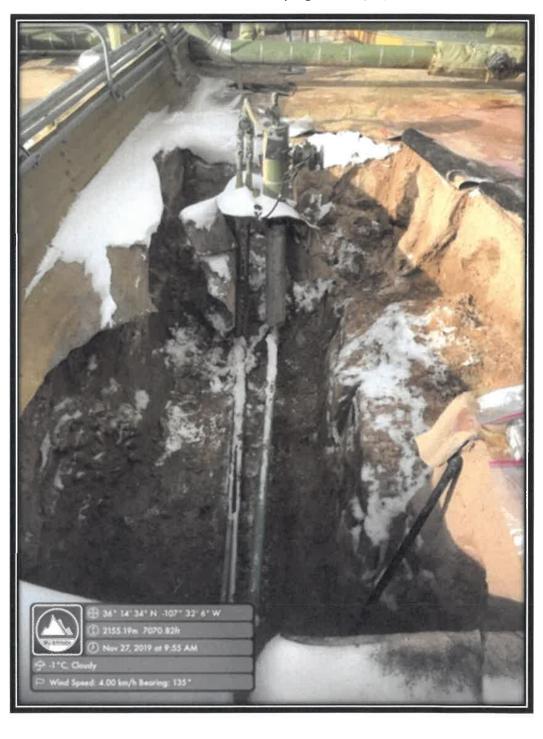




Photo 3: North Wall

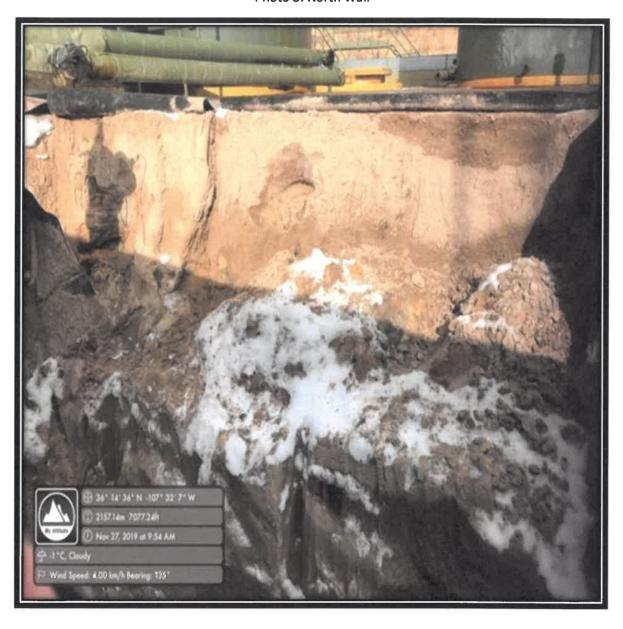




Photo 4: West Wall





Photo 5: South Wall





Photo 6: West Wall

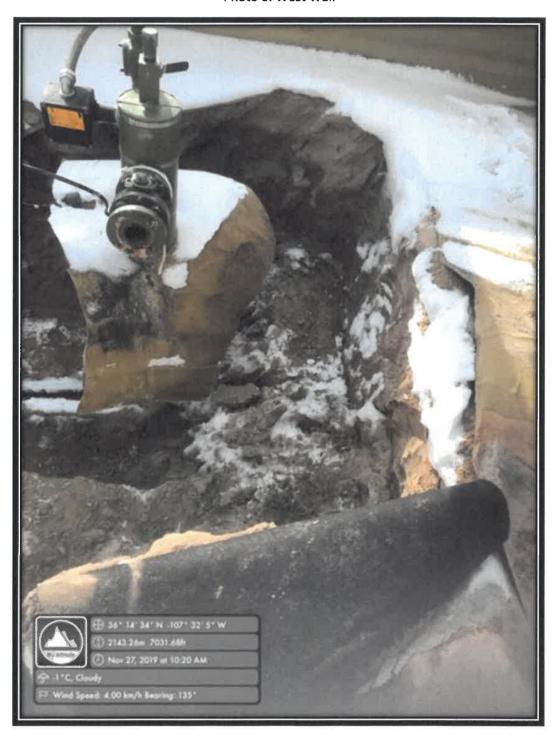




Photo 7: North Wall

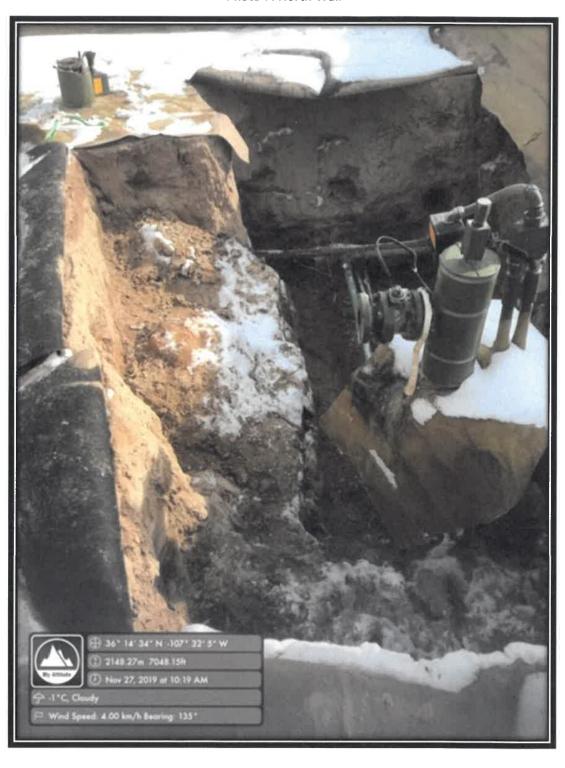




Photo 8: East Wall

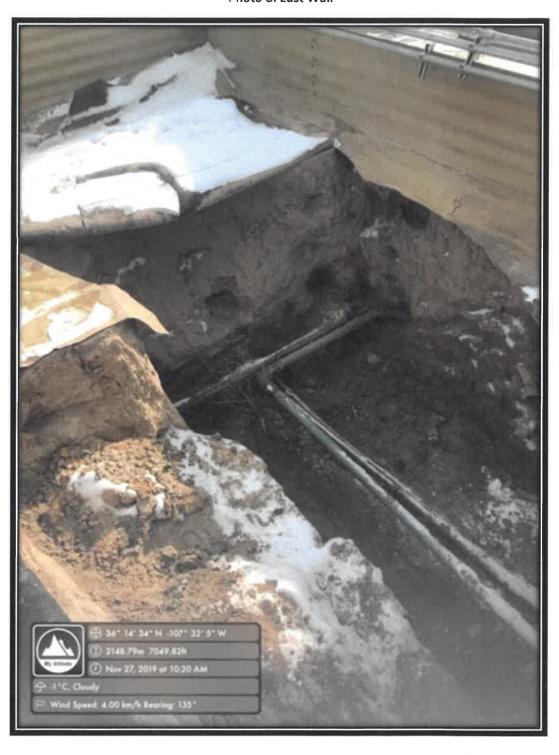
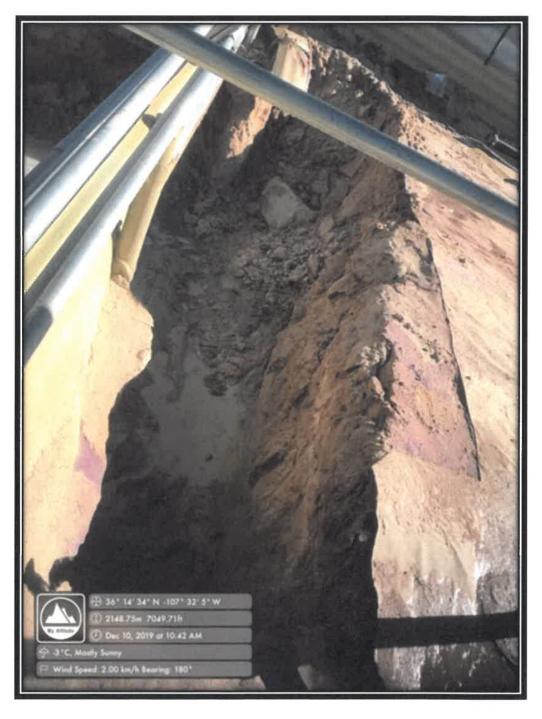
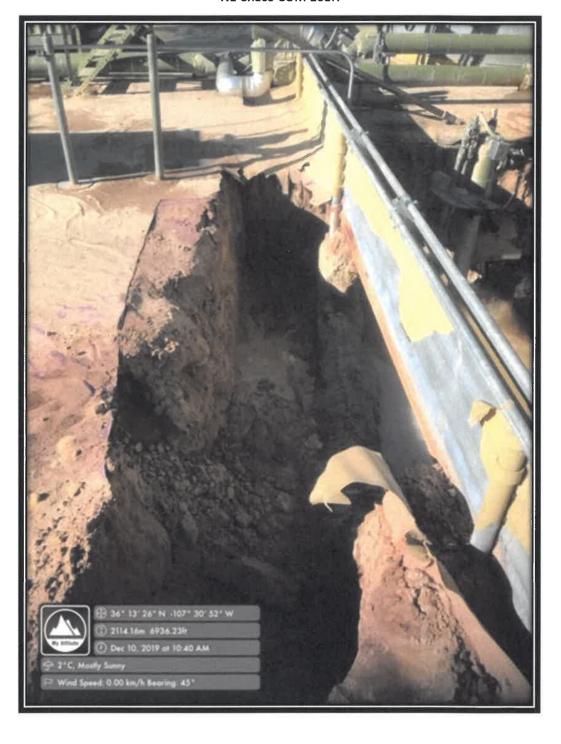




Photo 9 & 10: South Wall after additional excavation







Square Footage

Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | Chlorides

NE Chaco COM 168H Sample Results Table

TPH 2,500

ORO

Total

Total

200 sq. ft 104 55

mdd 90.7

mdd 20

mdd NA

mdd

mdd NA

mdd

uidd NA

37

<50

< 0.1 < 0.1 < 0.1

< 0.250

< 0.250 < 0.250 < 0.250 < 0.250

< 0.250 < 0.250

20,000

50

1310

< 0.250 < 0.250

< 0.250

< 0.250

< 0.250 < 0.250 udd 10

> < 95 < 95 < 95

> < 50 < 50 < 50

< 0.250

< 0.250

< 0.250

< 0.250

< 50 < 50

< 0.250

159

<20

< 0.1 < 0.1 < 0.1

477 111

< 0.250

< 0.250 < 0.250

< 0.250

< 0.250

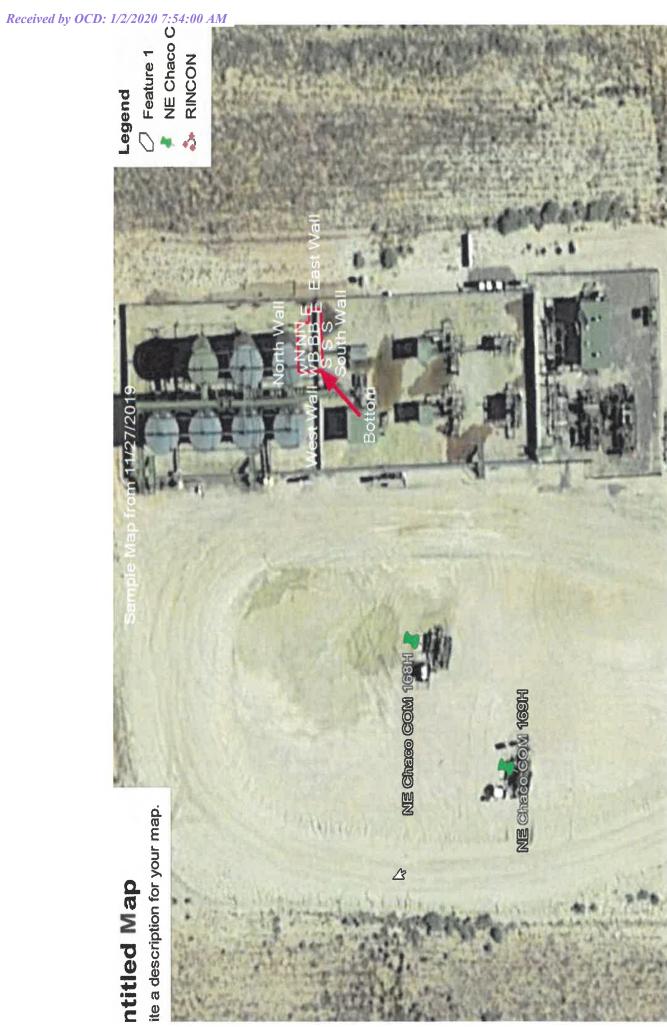
< 95 77.4

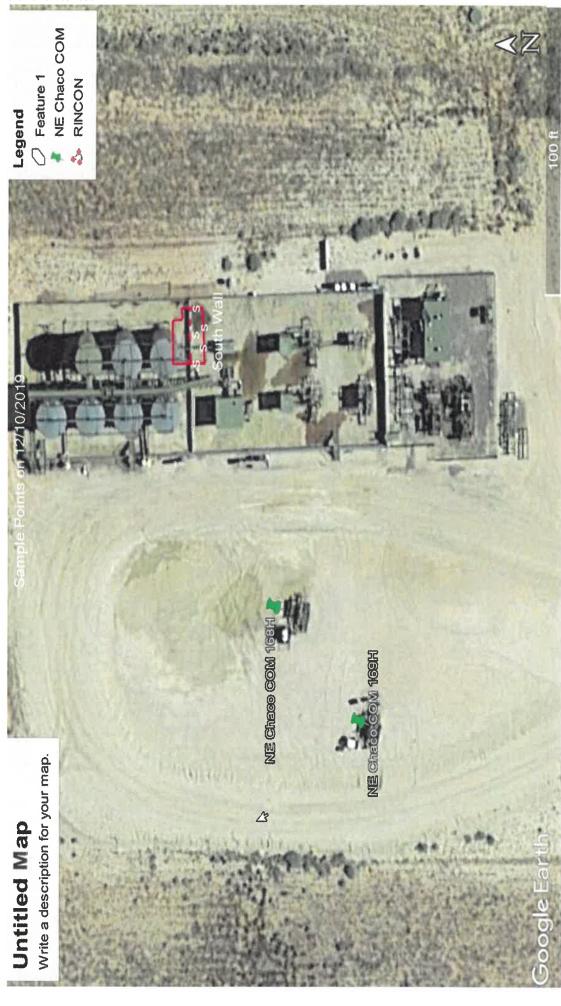
< 0.250

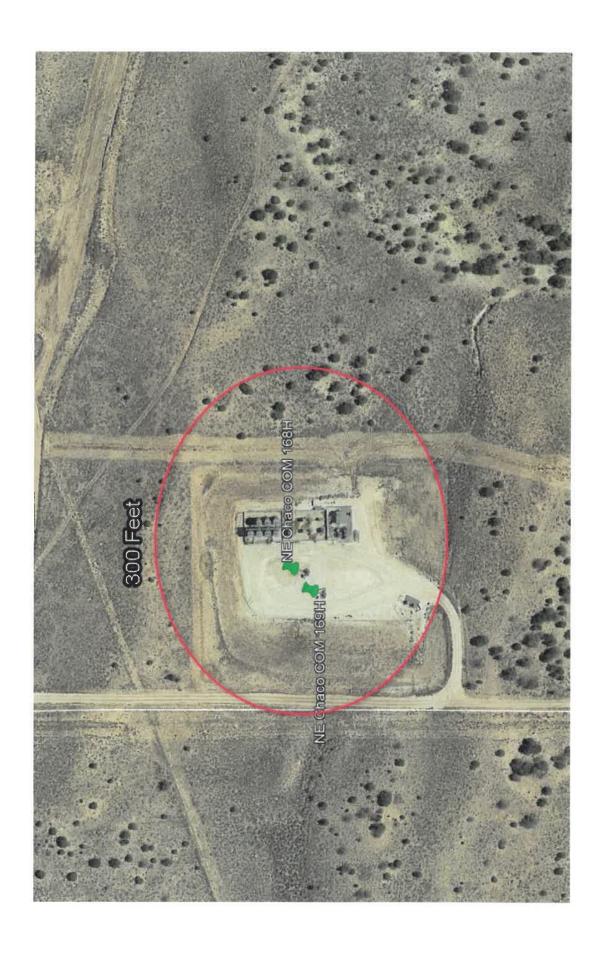
55 56

DRO+	GRO	1,000	mdd	37	< 45	< 45	36.60	77	< 45
	GRO	NA	uudd	<20	< 20	< 20	< 20	< 20	< 20
	DRO	NA	mdd	37	< 25	< 25	36.6	77	< 25
	Date		NA	11/27/2019	11/27/2019	11/27/2019	11/27/2019	11/27/2019	12/10/2019
	Sample Name		STANDARD	Bottom	East Wall	South Wall	West Wall	North Wall	South Wall

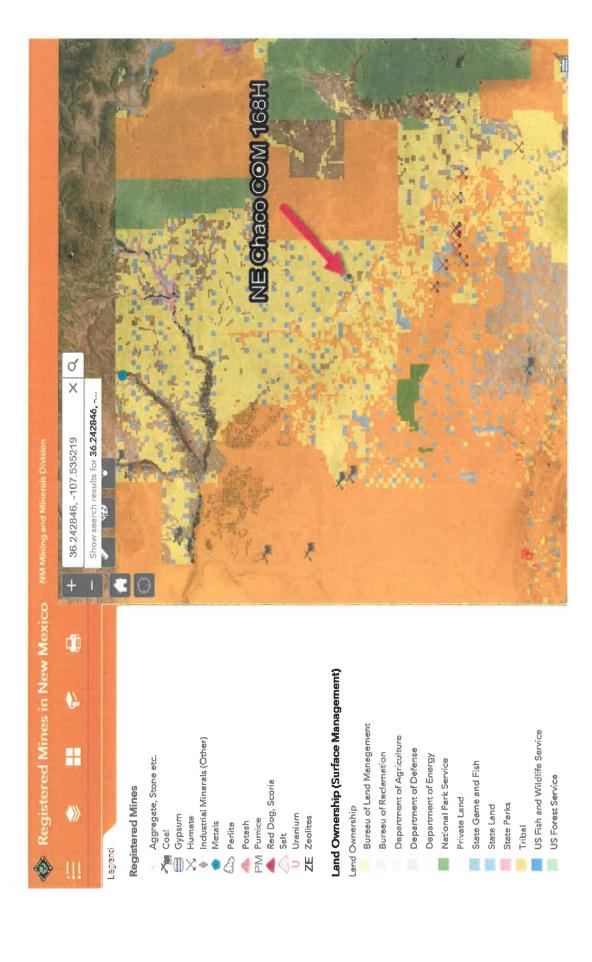
CLOSURE SAMPLES

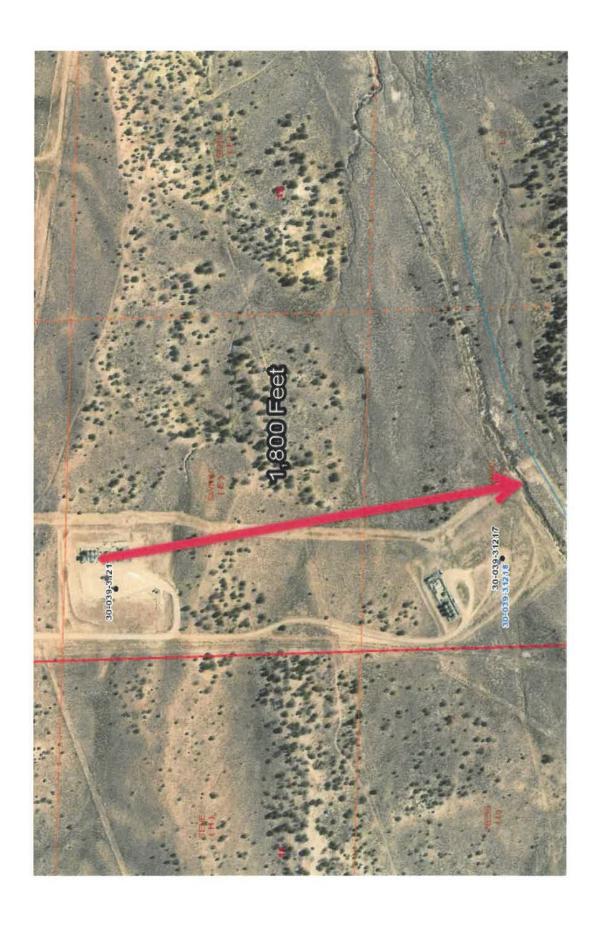


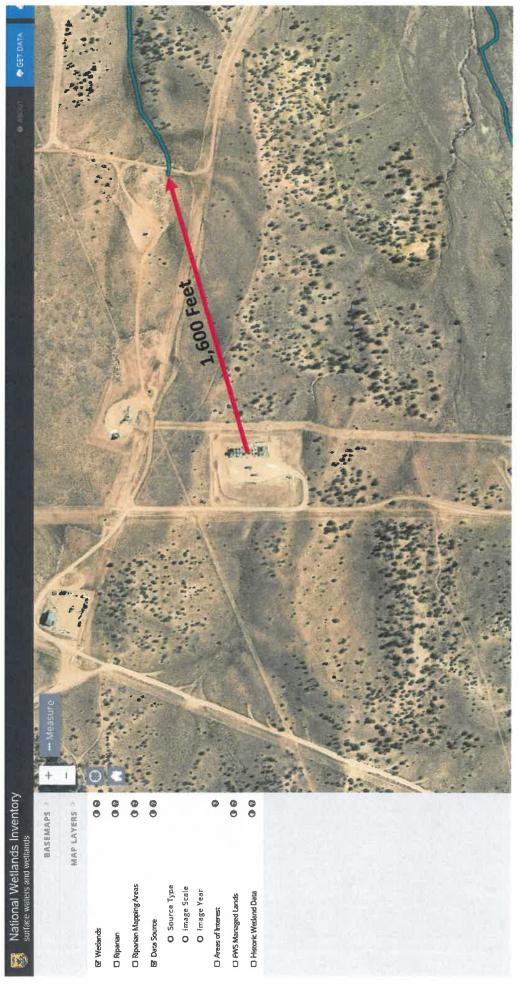






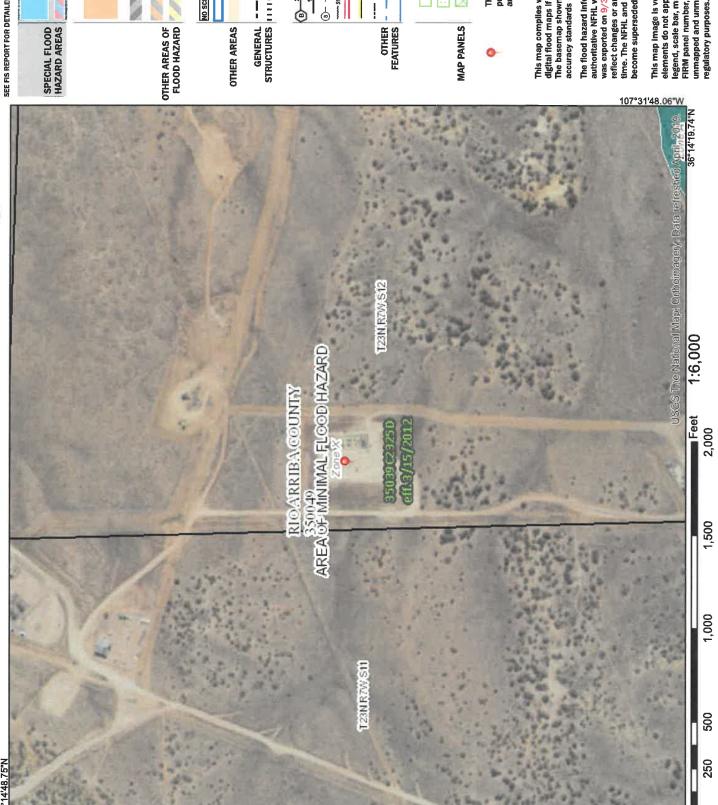






National Flood Hazard Layer FIRMette





Legend

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

With BFE or Depth Zone AE, AO. AH, VE, AR Without Base Flood Elevation (BFE) Regulatory Floodway of 1% annual chance flood with average depth less than one foot or with drainag areas of less than one square mile Zone Area with Reduced Flood Risk due to Future Conditions 1% Annual Chance Flood Hazard Zone X Levee, See Notes, Zone X

Area of Minimal Flood Hazard Zone X **Effective LOMRs**

Area of Undetermined Flood Hazard Zon

Channel, Culvert, or Storm Sewer STRUCTURES | 111111 Levee, Dike, or Floodwall Cross Sections with 1% Annual Chance Base Flood Elevation Line (BFE) Water Surface Elevation **Coastal Transect**

Jurisdiction Boundary Limit of Study

Coastal Transect Baseline Profile Baseline

Hydrographic Feature

Digital Data Available

No Digital Data Available

The pin displayed on the map is an approximate point selected by the user and does not represe 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

authoritative NFHL web services provided by FEMA. This map reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or The flood hazard information is derived directly from the become superseded by new data over time This map image is void if the one or more of the following map

	Gr	ound Bed Drill	ing Log		
Company: WfX &	nergy	Well: /76 H/	177 H	Date: 10-24	2
Location: T-23-n B	6-W 526	State: New 19	lexico	Rig: Story	#1
Ground Bed Depth:	3001	Water Depth: 2	05	Diameter: (3	4
Fuel Usage: 130 go		ORMATION		OTHER	
0-20'	Sand Stone,	Shale, Sand w/ Sh	nale w/ Sand	PVC	(2)
20-80	Sand Stone,	Shale, Sand w/ Sh	nale w/ Sand		_
80-100	Sand Stone,	Shale Sand w/ Sh	ale w/ Sand		_
160-140	Sand Stone,	Shale, Sand w/ Sh	ale w/ Sand		hamare.
140-220	Sand Stone	Shale, Sand w/ Sh	ale w/ Sand		
220-306	Sand Stone,	Shale, Sand w/ Sh	ale w/ Sand	*	_
	Sand Stone,	Shale, Sand w/ Sh	ale w/ Sand		_
	Sand Stone,	Shale, Sand w/ Sh	nale w/ Sand		_
	Sand Stone,	Shale, Sand w/ Sh	ale w/ Sand		_
	Sand Stone,	Shale, Sand w/ Sh	nale w/ Sand		_
	Sand Stone,	Shale, Sand w/ Sh	nale w/ Sand	-	
ervogalgaladerid genügeligt genommer kommitteen oppstete	Sand Stone,	Shale, Sand w/ Sh	nale w/ Sand		
~ 36 10	.2515	N 15 W			

		GROU	NDWATER DEPTH LOG					
Company:	WPX Energ	y	Location: Chaco # 176H /# 177H					
Probe type	: Paver	5						
	Time	Depth	Comments					
10/24/14	1:30pm	300ft	Prilled hale to 300ft let set Tested by probe water at 705ft					
10 from								

Ground Bed Drilling Log

Company: WPXE	nergy well: Charot59H + 160H	Date: 9-11-2015
Locationi Sec 35 kg	Ryw State Dew Melsico	Rig. Stong#/
Ground Bed Depth: 3	60' Water Depth: /42'	Diameter: 10111
Fuel: 98 gal	Latitude:	Longitude:
DEPTH	FORMATION	OTHER
0-40	Sand Stone, Shale, Sand w/ Shale w/ Sand	PUC
40-110	Sand Stone Shale, Sand w/ Shale w/ Sand	
110-200	Sand Stone, Shale, Sand w/ Shale w/ Sand	
200-260	Sand Stone Shale, Sand w/ Shale w/ Sand	And the state of t
260-360	Sand Stone, Shale, Sand w/ Shale w/ Sand	
	Sand Stone, Shale, Sand w/ Shale w/ Sand	•
	Sand Stone, Shale, Sand w/ Shale w/ Sand	
	Send Stone, Shale, Sand w/ Shale w/ Sand	
*Splinted programming the control of	Sand Stone, Shale, Sand w/ Shale w/ Sand	
.4	Sand Stone, Shale, Sand w/ Shale w/ Sand	
	Sand Stone, Shale, Sand w/ Shale w/ Sand	

Company	WPX Energ	DV	Location: 4/59 H # 160H #901H					
Probe type: Powerwell Sounder			GILL I-II IOII IOII					
Date	Time	Depth	Comments					
9-11-15	7,30 an	40	Dailed 40					
	8 30an	_	test: Nounter					
	9.00	100	Drilled 60: - Set PVC					
	10.00	60	test. No water					
	111:15	115	Drilled 115					
	12:15	115	test: no water					
	14:30	360	test water e 142					
9-14-5	19115	142	test water @ 142'					
	11:45	1	Emished arouse bed					

Chad Snell

From: Chad Snell

Sent: Friday, December 06, 2019 10:02 AM

To: 'Smith, Cory, EMNRD'; 'aadeloye@blm.gov'

Cc: James McDaniel

Subject: RE: NE Chaco Com 168H Closure Sampling

Gentlemen,

Please accept this email as the required 48 hour notice for closure sampling at the NE Chaco Com 168H. One wall came back above standards and will need to be resampled after further excavation. Sample activities will occur Tuesday December 10th at 10:30am. Please let me know if you have any questions.

Thank you.

From: Chad Snell

Sent: Monday, November 25, 2019 8:51 AM

To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; 'aadeloye@blm.gov' <aadeloye@blm.gov>

Cc: James McDaniel < JMcDaniel@enduringresources.com>

Subject: NE Chaco Com 168H Closure Sampling

Gentlemen,

Please accept this email as the required 48 hour notice for closure sampling at the NE Chaco Com 168H (API: 30-039-31173, Sec: 12, TWN: 23N, RGE: 7W). Sampling activities will take place Wednesday November 27th 2019 at 9:30am. Feel free to contact me with any questions.

Thanks

Chad Snell HSE Tech Enduring Resources (505) 444-0586.



Analytical Report

Report Summary

Client: Enduring Resources, LLC

Job Number: 17065-0017
Work Order: P912002

Project Name/Location: NE Chaco Com 168H

Report Reviewed By:	Walter Harline	Date:	12/4/19	
	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, holds the Utah TNI certification NM009792018-1 for the data reported.

Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Labadmin@envirotech-inc.com



Enduring Resources, LLCProject Name:NE Chaco Com 168H511 16th Street, Suite 700Project Number:17065-0017Reported:Denver CO, 80202Project Manager:Chad Snell12/04/19 09:02

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Bottom	P912002-01A	Soil	11/27/19	12/02/19	Glass Jar, 4 oz.
East Wall	P912002-02A	Soil	11/27/19	12/02/19	Glass Jar, 4 oz.
South Wall	P912002-03A	Soil	11/27/19	12/02/19	Glass Jar, 4 oz.
West Wall	P912002-04A	Soil	11/27/19	12/02/19	Glass Jar, 4 oz.
North Wall	P912002-05A	Soil	11/27/19	12/02/19	Glass Jar, 4 oz.

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

envirotech-inc.com



Enduring Resources, LLC

Project Name:

NE Chaco Com 168H

511 16th Street, Suite 700 Denver CO, 80202 Project Number: Project Manager: 17065-0017 Chad Snell Reported: 12/04/19 09:02

Bottom P912002-01 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-1	50	1949009	12/02/19	12/03/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/OR	0								
Diesel Range Organics (C10-C28)	37.4	25.0	mg/kg	1	1949008	12/02/19	12/02/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1949008	12/02/19	12/02/19	EPA 8015D	
Surrogate: n-Nonane		94.4 %	50-2	200	1949008	12/02/19	12/02/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-F1D		86.5 %	50-1	150	1949009	12/02/19	12/03/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	90.7	20.0	mg/kg	1	1949010	12/02/19	12/02/19	EPA 300.0/9056A	

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

envirotech-inc.com



Enduring Resources, LLC

Project Name:

NE Chaco Com 168H

511 16th Street, Suite 700 Denver CO, 80202 Project Number: Project Manager: 17065-0017 Chad Snell Reported: 12/04/19 09:02

East Wall P912002-02 (Solid)

		17120	02 (D0	iiu)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-	-150	1949009	12/02/19	12/03/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORG	0								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1949008	12/02/19	12/03/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1949008	12/02/19	12/03/19	EPA 8015D	
Surrogate: n-Nonane		95.1 %	50-	-200	1949008	12/02/19	12/03/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.9 %	50-	-150	1949009	12/02/19	12/03/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	159	20.0	mg/kg	1	1949010	12/02/19	12/02/19	EPA 300.0/9056A	

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

t abadmin@envirolent-inc.com

Denver CO, 80202



Enduring Resources, LLC 511 16th Street, Suite 700 Project Name: NE Chaco Com 168H

Project Number: 17065-0017 Project Manager: Chad Snell Reported: 12/04/19 09:02

South Wall P912002-03 (Solid)

		Reporting						
Analyte	Result	Limit	Units D	ilution Bat	ch Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021								
Benzene	ND	0.0250	mg/kg 1	1949	009 12/02/19	12/03/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg 1	1949	009 12/02/19	12/03/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg 1	1949	009 12/02/19	12/03/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg 1	1949	009 12/02/19	12/03/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg 1	1949	009 12/02/19	12/03/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg 1	1949	009 12/02/19	12/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		104 %	50-150	1949	009 12/02/19	12/03/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO	/ORO							
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg 1	1949	008 12/02/19	12/03/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg 1	1949	008 12/02/19	12/03/19	EPA 8015D	
Surrogate: n-Nonane		95.0 %	50-200	1949	008 12/02/19	12/03/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO								
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg l	1949	009 12/02/19	12/03/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	50-150	1949	009 12/02/19	12/03/19	EPA 8015D	
Anions by 300.0/9056A								
Chloride	1310	40.0	mg/kg 2	1949	010 12/02/19	12/02/19	EPA 300.0/9056A	

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Labadania@anviroteck inc.com



Project Name:

NE Chaco Com 168H

511 16th Street, Suite 700 Denver CO, 80202 Project Number: Project Manager: 17065-0017 Chad Snell Reported: 12/04/19 09:02

West Wall P912002-04 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-	150	1949009	12/02/19	12/03/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/OR	CO								
Diesel Range Organics (C10-C28)	36.6	25.0	mg/kg	1	1949008	12/02/19	12/03/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1949008	12/02/19	12/03/19	EPA 8015D	
Surrogate: n-Nonane		98.9 %	50-	200	1949008	12/02/19	12/03/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.8 %	50-	150	1949009	12/02/19	12/03/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1949010	12/02/19	12/02/19	EPA 300.0/9056A	

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

f ahadmin@envirotech-inc.com



Enduring Resources, LLC Project Name: NE Chaco Com 168H 511 16th Street, Suite 700 Project Number: 17065-0017

 511 16th Street, Suite 700
 Project Number:
 17065-0017
 Reported:

 Denver CO, 80202
 Project Manager:
 Chad Snell
 12/04/19 09:02

North Wall P912002-05 (Solid)

			VZ-U3 (30L	iu)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		105 %	50-1	50	1949009	12/02/19	12/03/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO	ORO								
Diesel Range Organics (C10-C28)	77.4	25.0	mg/kg	1	1949008	12/02/19	12/03/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1949008	12/02/19	12/03/19	EPA 8015D	
Surrogate: n-Nonane		94.3 %	50-2	00	1949008	12/02/19	12/03/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1949009	12/02/19	12/03/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.4 %	50-1	50	1949009	12/02/19	12/03/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	477	20.0	mg/kg	1	1949010	12/02/19	12/02/19	EPA 300.0/9056A	

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

envirotech-inc.com



Enduring Resources, LLC 511 16th Street, Suite 700 Project Name:

NE Chaco Com 168H

511 16th Street, Suite 700 Project Number:
Denver CO, 80202 Project Manager:

17065-0017 Chad Snell Reported: 12/04/19 09:02

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1949009 - Purge and Trap EPA 5030A										
Blank (1949009-BLK1)				Prepared:	12/02/19 1 A	nalyzed: 1	2/03/19 0			
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	to							
Ethylbenzene	ND	0.0250	19							
p,m-Xylene	ND	0.0500	10							
o-Xylene	ND	0.0250	tp							
Total Xylenes	ND	0.0250	0							
Surrogate: 4-Bromochlorobenzene-PID	8.21		н	8.00		103	50-150			
LCS (1949009-BS1)				Prepared:	12/02/19 1 A	nalyzed: l	2/03/19 0			
Benzene	5.18	0.0250	mg/kg	5.00		104	70-130			
Toluene	5.28	0.0250	11	5.00		106	70-130			
Ethylbenzene	5.20	0.0250	a i	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	0.1	10.0		103	70-130			
o-Xylene	5.17	0.0250	0	5.00		103	70-130			
Total Xylenes	15.5	0.0250	n	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.40		п	8.00		105	50-150			
Matrix Spike (1949009-MS1)	Sou	rce: P912001-	01	Prepared: 1	12/02/19 1 A	Analyzed: 1	2/03/19 0			
Benzene	5.20	0.0250	mg/kg	5.00	ND	104	54,3-133			
Toluene	5.31	0.0250	0	5.00	ND	106	61.4-130			
Ethylbenzene	5.23	0.0250	0	5.00	ND	105	61.4-133			
p,m-Xylene	10.4	0.0500	0	10.0	ND	104	63.3-131			
o-Xylene	5.21	0.0250	0	5.00	ND	104	63.3-131			
Total Xylenes	15.6	0.0250	0	15.0	ND	104	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	8.31		n	8.00		104	50-150			
Matrix Spike Dup (1949009-MSD1)	Sou	rce: P912001-	01	Prepared:	12/02/19 1 A	Analyzed: 1	2/03/19 0			
Benzene	5,20	0,0250	mg/kg	5.00	ND	104	54.3-133	0.0875	20	
Toluene	5.29	0.0250	"	5.00	ND	106	61.4-130	0,296	20	
Ethylbenzene	5.21	0.0250	u	5.00	ND	104	61.4-133	0.339	20	
o,m-Xylene	10.3	0.0500	0	10,0	ND	103	63.3-131	0.639	20	
p-Xylene	5.18	0.0250	ű.:	5.00	ND	104	63.3-131	0.428	20	
Total Xylenes	15.5	0.0250	0	15.0	ND	103	63.3-131	0.569	20	
Surrogate: 4-Bromochlorobenzene-PID	8,26		"	8,00		103	50-150			
9										

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

l ahadmin@envirolerh-inc.com



Enduring Resources, LLC 511 16th Street, Suite 700

Project Name:

NE Chaco Com 168H

511 16th Street, Suite 700 Project Number:
Denver CO, 80202 Project Manager:

17065-0017 Chad Snell Reported: 12/04/19 09:02

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1949008 - DRO Extraction EPA 3570										
Blank (1949008-BLK1)				Prepared: 1	12/02/19 0 A	Analyzed: 1	2/02/19 1			
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50,0	11							
Surrogate: n-Nonane	49.8		77	50.0		99.7	50-200			
LCS (1949008-BS1)				Prepared: 1	12/02/19 0 /	Analyzed: 1	2/02/19 1			
Diesel Range Organics (C10-C28)	484	25.0	mg/kg	500		96.8	38-132			
Surrogate: n-Nonane	49.6		"	50.0		99.1	50-200			
Matrix Spike (1949008-MS1)	Sou	rce: P911128-	01	Prepared: 1	12/02/19 0 /	nalyzed: 1	2/02/19 2			
Diesel Range Organics (C10-C28)	502	25.0	mg/kg	500	ND	100	38-132			
Surrogate: n-Nonane	50.6		п	50.0		101	50-200			
Matrix Spike Dup (1949008-MSD1)	Sou	rce: P911128-	01	Prepared: 1	12/02/19 0 A	analyzed: 1	2/02/19 2			
Diesel Range Organics (C10-C28)	487	25.0	mg/kg	500	ND	97.3	38-132	3.09	20	
Surrogate: n-Nonane	49.6		"	50.0		99.2	50-200			

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Lahadmin@envirotech-inc.com



Project Name:

NE Chaco Com 168H

511 16th Street, Suite 700 Denver CO, 80202 Project Number: 17065-0017 Project Manager: Chad Snell Reported: 12/04/19 09:02

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1949009 - Purge and Trap EPA 5030A										
Blank (1949009-BLK1)				Prepared: 1	2/02/19 1 A	Analyzed: 1	2/03/19 0			
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.87		"	8.00		85.8	50-150			
LCS (1949009-BS2)				Prepared: 1	2/02/19 1 /	Analyzed: 1	2/03/19 0			
Gasoline Range Organics (C6-C10)	48.0	20.0	mg/kg	50.0		95.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		"	8.00		90.0	50-150			
Matrix Spike (1949009-MS2)	Sour	rce: P912001-	01	Prepared: 1	2/02/19 1 A	Analyzed: 1	2/03/19 0			
Gasoline Range Organics (C6-C10)	48.2	20.0	mg/kg	50.0	ND	96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		n	8.00		90.3	50-150			
Matrix Spike Dup (1949009-MSD2)	Sou	rce: P912001-	01	Prepared: 1	.2/02/19 1 A	Analyzed: 1	2/03/19 1			
Gasoline Range Organics (C6-C10)	48.2	20.0	mg/kg	50.0	ND	96.4	70-130	0.105	20	
Surrogate: I-Chloro-4-fluorobenzene-FID	7.07		n	8.00		88.4	50-150			

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Labadmin@envirotech-inc.com



Enduring Resources, LLCProject Name:NE Chaco Com 168H511 16th Street, Suite 700Project Number:17065-0017Reported:Denver CO, 80202Project Manager:Chad Snell12/04/19 09:02

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1949010 - Anion Extraction EPA 300.0	/9056A									
Blank (1949010-BLK1)				Prepared &	Analyzed:	12/02/19 1				
Chloride	ND	20.0	mg/kg							
LCS (1949010-BS1)				Prepared &	k Analyzed:	12/02/19 1				
Chloride	253	20.0	mg/kg	250		101	90-110			
Matrix Spike (1949010-MS1)	Sour	ce: P912001-	01	Prepared &	k Analyzed:	12/02/19 1				
Chloride	258	20.0	mg/kg	250	ND	103	80-120			
Matrix Spike Dup (1949010-MSD1)	Sour	ce: P912001-	01	Prepared &	Analyzed:	12/02/19 1				
Chloride	256	20.0	mg/kg	250	ND	102	80-120	1.16	20	

QC Summary Report

Comment:

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

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

5796 Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865 envirotech-inction

24 Hour Emergency Response Phone (800) 362-1879

Page 11 of 13



Enduring Resources, LLC Project Name:

NE Chaco Com 168H

511 16th Street, Suite 700 Denver CO, 80202 Project Number: 17065-0017 Project Manager: Chad Snell Reported: 12/04/19 09:02

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Lahadmin@envirolech-inc.com

Project Ir	nformation	1			С	hain of Custody													Page
Client:	nduci	in Pu	South	C	Report Attentio	חו			1	ah 11	se O	alv.	-	100	T	AT	-	PA Progr	
Project:	NE CY	zeco C	on 10	RH	Report due by:		Lah	WO		450		Num	her		1D		RCRA	CWA	SDWA
Project 1	Vlanager:	Ched	5221		Attention:		P	1170	502				2.00			50	HONA	CVVA	JUVVA
Address:	700 E	resall (Coust		Address:		-						nd Me			_		St	ate
City, Stat	te, Zip 🎉	< (min	alan A	in	City, State, Zip			Т	T	Г	$\overline{}$								UT AZ
Phone:/	505149	14-05	86		Phone:		2	12		1	1						- 1	14111 00	01,72
Email: 2	Snelle	o endi	4100 CE	CUILES COS	Email:		8	8	-	l _		9			1	1 1		TX OK	
Smed	60 0 6	end	II. as se	sources con	34		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	290	Metals 6010	8	6010 Total P			Ш		17. 01.	\vdash
Time	Date	Matrix	No	Sample ID		Lab	Įğ	5	è	ă.	§	iş.	5			Ш		-	
Sampled	Sampled	(VIALLIX	Containers	Sample ID		Number	8	8	199	VOC by 8260	Met	Chloride 300.0	g					Ren	narks
9:30	11-27-1	S)	Bottor	か	1	λ	х	×			×							
9:35			1	East	Wall	2	~	V	×			K							
9:40			1	East South	well	3	×	×	×			×							
9:45			1	West		4	Y	×	×			×							
9:50			T.	Nach	will	5	×	×	×			×							
	1																		
						i br													
	ai Instruc								-									4	
time of called	er), attest to the tion is consider	validity and a ed fraud and r	uthenticity of t may be ground:	his sample. I am aware for legal action, Sample	that tampering with or intentionally mislatering the said by:	mple location, date or					Sample receive	s requiri d packed	in ice at	al presen an avg te	ration n mp sbe	nest be re we 0 but 1	ceived on ice ti ess than 6°C on	ne day they are si subsequent days	impled or
Relinguish	ed by: (Signa	ture)	Date /2 -	2-/9 9:0	Scur Received by: (Signature)	6ate	19	Time	00		Reci	ived	on ic	·p.		b Use	Only		19 61
Relinquish	ed by: Signa	ture)	Date	Time	Received by: (Signature)	Date		Time			1					-	9	T3 Q.	0
Relinquish	ed by: (Signa	ture)	Date	Time	Received by: (Signature)	Date		Time					p °C_					13 9.	
Sample Mate	rix: S - Soil. Sel	- Solid, Se -	Sludge, A - Ar	ueous, O - Other		Container	Type		place							F 11. 1	104		-
Note: Sampl	es are discard	ed 30 days at	fter results are	reported unless other	r arrangements are made. Hazardous samples wi ty of the laboratory is limited to the amount paid	ill be returned to client	or dis	posed	of at ti	he clie	nt expe	nse, T	he repo	rt for t	he ana	a, w - V	the above s	amples is app	licable
Œ				ech	5795 US Highwin, 54, Famington, NM 8740s 24 Hour Emergency Response Phone (800) 362-187				Pi	(505)	632-18	31 Fx (505) 633	2-1665		fab		otech-inc.com virotech-inc.c	200



Analytical Report

Report Summary

Client: Enduring Resources, LLC

Samples Received: 12/10/2019 Job Number: 17065-0017 Work Order: P912020

Project Name/Location: NE Chaco Com 168H

Report Reviewed By:	Walter Howkener	Date:	12/12/19	
	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, holds the Utah TNI certification NM009792018-1 for the data reported.

Envirotech, Inc, holds the Texas TNI certification 7104704557-19-2 for the data reported.

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

envrotech-inc.com



Project Name:

NE Chaco Com 168H

511 16th Street, Suite 700 Project Number:
Denver CO, 80202 Project Manager:

17065-0017 Chad Snell

Reported: 12/12/19 11:33

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
South Wall	P912020-01A	Soil	12/10/19	12/10/19	Glass Jar, 4 oz.

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Labadmin@envirotech-inc.com



Project Name:

NE Chaco Com 168H

511 16th Street, Suite 700 Denver CO, 80202 Project Number: Project Manager: 17065-0017 Chad Snell Reported: 12/12/19 11:33

South Wall P912020-01 (Solid)

		Reporting							
Analyte	Result	Limit	Units E	ilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg 1		1950014	12/10/19	12/11/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg I		1950014	12/10/19	12/11/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg 1		1950014	12/10/19	12/11/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg l		1950014	12/10/19	12/11/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg l		1950014	12/10/19	12/11/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg 1		1950014	12/10/19	12/11/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	50-150		1950014	12/10/19	12/11/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/O	RO								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg l		1950011	12/10/19	12/10/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg 1		1950011	12/10/19	12/10/19	EPA 8015D	
Surrogate: n-Nonane		104 %	50-200		1950011	12/10/19	12/10/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg 1		1950014	12/10/19	12/11/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.3 %	50-150		1950014	12/10/19	12/11/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	111	20.0	mg/kg 1		1950009	12/10/19	12/10/19	EPA 300.0/9056A	

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

badmin@envintech-inc.com

Reported:

12/12/19 11:33



Enduring Resources, LLC NE Chaco Com 168H Project Name: 511 16th Street, Suite 700 Project Number: 17065-0017 Denver CO, 80202

Project Manager: Chad Snell

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1950014 - Purge and Trap EPA 5030A										
Blank (1950014-BLK1)				Prepared:	12/10/19 1 /	Analyzed: I	2/11/19 0			
Benzene	ND	0.0250	mg/kg	and a separated		W	**********			
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	19							
p,m-Xylene	ND	0.0500	*							
o-Xylene	ND	0.0250	67							
Total Xylenes	ND	0.0250	**							
Surrogate: 4-Bromochlorobenzene-PID	7.95		м	8.00		99.3	50-150			
LCS (1950014-BSI)				Prepared:	12/10/19 1 /	Analyzed: I	2/11/19 0			
Benzene	5.05	0.0250	mg/kg	5.00		101	70-130			
Toluene	5.18	0.0250		5.00		104	70-130			
Ethylbenzene	5.08	0.0250	*	5.00		102	70-130			
n,m-Xylene	10.1	0.0500	*	10.0		101	70-130			
o-Xylene	5.05	0.0250		5.00		101	70-130			
Total Xylenes	15.1	0.0250	e	15.0		103	70-130			
Surragate: 4-Bromochlorobenzene-PID	8.10		ny	8.00		101	50-150			
Matrix Spike (1950014-MSI)	Sou	rce: P912020-	01	Prepared: 1	2/10/19 1 /	Analyzed: I	2/11/19 0			
Benzene	5.21	0.0250	mg/kg	5,00	ND	104	54.3-133			
Toluene	5.32	0.0250	*	5.00	ND	106	61.4-130			
Ethylbenzene	5.24	0.0250	**	5,00	ND	105	61,4-133			
p,m-Xylene	10.4	0.0500	**	10.0	ND	104	63.3-131			
o-Xylenc	5.21	0.0250	99	5.00	ND	104	63.3-131			
Total Xylenes	15.6	0.0250	*	15.0	ND	104	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	8.10		12	8.00		101	50-150			
Matrix Spike Dup (1950014-MSD1)	Sou	rce: P912020-	01	Prepared: 1	2/10/19 1 /	Analyzed: I	2/11/19 0			
Benzene	5.19	0.0250	mg/kg	5.00	ND	104	54.3-133	0.346	20	
Toluene	5.27	0.0250		5.00	ND	105	61.4-130	0.954	20	
Ethylbenzene	5.19	0.0250	H	5.00	ND	104	61.4-133	0.997	20	
n,m-Xylene	10.3	0.0500	w	10.0	ND	103	63.3-131	0.843	20	
p-Xylene	5.18	0.0250	**	5.00	ND	104	63.3-131	0.710	20	
Total Xylenes	15.5	0.0250	**	15.0	ND	103	63.3-131	0.799	20	
Surrogate: 4-Bromochlorobenzene-PID	8.02		H	8.00		100	50-150			

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Enduring Resources, LLC 511 16th Street, Suite 700

Denver CO, 80202

Project Name:

NE Chaco Com 168H

Project Number: 17065-0017
Project Manager: Chad Snell

Reported: 12/12/19 11:33

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1950011 - DRO Extraction EPA 3570										
Blank (1950011-BLK1)				Prepared:	12/10/19 1 /	Analyzed: 1	2/11/19 0			
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg		- M M. M.					
Oil Range Organics (C28-C40)	ND	50.0	**							
Surrogate: n-Nonane	48.2		*	30.0		96.4	50-200			
LCS (1950011-BS1)				Prepared &	k Analyzed:	12/10/19 1				
Diesel Range Organics (C10-C28)	506	25.0	mg/kg	500		101	38-132			
Surrogate: n-Nonane	49.6		N	50.0		99.2	50-200			
Matrix Spike (1950011-MS1)	Sou	rce: P 912019-	01	Prepared &	k Analyzed:	12/10/19 1				
Diesel Range Organics (C10-C28)	484	25.0	mg/kg	500	ND	96.9	38-132			
Surrogate: n-Nonane	47.0		nt	50.0		93.9	50-200			
Matrix Spike Dup (1950011-MSD1)	Sou	rce: P912019-	01	Prepared &	Analyzed:	12/10/19 1				
Diesel Range Organics (C10-C28)	487	25.0	mg/kg	500	ND	97.4	38-132	0.591	20	
Surrogate: n-Nonune	47.2		н	50.0		94.4	50-200			

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

S796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Labatimin Benvinterheir com



 Enduring Resources, LLC
 Project Name:
 NE Chaco Com 168H

 511 16th Street, Suite 700
 Project Number:
 17065-0017
 Reported:

 Denver CO, 80202
 Project Manager:
 Chad Snell
 12/12/19 11:33

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1950014 - Purge and Trap EPA 5030)A									
Blank (1950014-BLK1)				Prepared:	12/10/19 1 /	Analyzed: 1	2/11/19 0			
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	THE CHARLES						
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.54		IT	8.00		81.8	50-150	1000		
LCS (1950014-BS2)				Prepared:	12/10/19 1 /	Analyzed: 1	2/11/19 0			
Gasoline Range Organics (C6-C10)	45.3	20.0	mg/kg	50.0		90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.46		17	8.00		80.7	50-150			
Matrix Spike (1950014-MS2)	Sour	ce: P912020-	01	Prepared:	12/10/19 1 /	Analyzed: 1	2/11/19 0			
Gasoline Range Organics (C6-C10)	45.9	20.0	mg/kg	50.0	ND	91.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.62			8.00		82.8	50-150			
Matrix Spike Dup (1950014-MSD2)	Sour	ce: P912020-	01	Prepared:	12/10/19 1 /	Analyzed: 1	2/11/19 0			
Gasoline Range Organics (C6-C10)	45.0	20.0	mg/kg	50.0	ND	90.1	70-130	1.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.64		84	8.00		83.0	50-150			

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

envirotech-inc.com



 Enduring Resources, LLC
 Project Name:
 NE Chaco Com 168H

 511 16th Street, Suite 700
 Project Number:
 17065-0017
 Reported:

 Denver CO, 80202
 Project Manager:
 Chad Snell
 12/12/19 11:33

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1950009 - Anion Extraction EPA 30	0.0/9056A									
Blank (1950009-BLK1)				Prepared:	12/10/19 0 /	Analyzed: I	2/10/19 1			
Chloride	ND	20.0	mg/kg				-			
LCS (1950009-BS1)				Prepared:	12/10/19 0 /					
Chloride	248	20.0	mg/kg	250		99.2	90-110		***	**************************************
Matrix Spike (1950009-MS1)	Source	e: P912019-	01	Prepared:	12/10/19 0 /	Analyzed: 1	2/10/19 1			
Chloride	326	20.0	mg/kg	250	62.2	106	80-120			
Matrix Spike Dup (1950009-MSD1)	Source	e: P912019-	01	Prepared:	12/10/19 0 2	Analyzed: I	2/10/19 1			
Chloride	315	20.0	mg/kg	250	62.2	101	80-120	3.34	20	

QC Summary Report

Comment

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

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

5796 Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865

24 Hour Emergency Response Phone (800) 362-1879

Page 7 of 9



Enduring Resources, LLC Project Name: NE Chaco Com 168H

511 16th Street, Suite 700 Project Number: 17065-0017 Reported:

Denver CO, 80202 Project Manager: Chad Snell 12/12/19 11:33

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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

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

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

envirotech-inc.com

24 Hour Emergency Response Phone (800) 362-1879

Page 8 of 9

Project Ir	nformation					Chain of Custody														age	
Client: Checo Com 168th Project Manager: Checo Com 168th Project Manager: Checo Com 168th City, State, Zip Formula Checo Phone (See See See See See See See See See S						Report Attention				Lab Use Only								-	EPA Program		
						Report due by:		Lab WO# Job Nun						hor	-	1D	AT R	RCRA	CWA	SDWA	
					1					20		100	NA	Z.AT	41	V	30	NCNM	CVVA	SUVVA	
					-					020			Analysis and Method						CA.	1	
					1							Analysis and tvi			LINOL	1				ate	
																			NIVI CO	UT AZ	
					12			1 25	5					1 7	1		ΙI				
Email: C Sne 11@endusing caseur es con						Email:				5	8	0	8	۵.					TX OK		
SMedaniel Deaduring resources com							8	8	8	8	2	e 3	le to			1 1					
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	81EX by 8021	voc by 8260	Metals 6010	Chloride 300.0	6010 Total P					Ren	narks	
0:30	12-10-19	\$	1	300	ikh	wall	1	x	>	×			Ł								
																		+			
							Fig :														
I, (field samp time of colle	ction is considere	validity and a	nay be ground	is for Jegal action	. Sampled by:	npering with or intentionally mislate the same	tion, date or	10											he day they are so subsequent days		
Relinquisted by: (Signature) Date 12-fo-19 12:00			Time 12.00 pe	Received by: (Signature) Date Received by: (Signature) Oate			119 12:00								b Use Only N			Y S			
						111116			T1					m		T3					
Relinquished by: (Signature) Date Time			Time	Received by: (Signature)	Date		Time					AVG Temp °C 4									
Sample Mat	rix: S - Solt, 5d	- Solid, Sg -	Sludge, A - A	queous, O - O	ther		Containe	r Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Samp	les are discarde	ed 30 days at	fter results a	re reported un	less other arrai	ngements are made. Hazardous samples will be the laboratory is limited to the amount paid for	e returned to clie												samples is app	licable	
6	含er	ıvi	rot	ec	h 5796	US Highersy 64, Familighte, NM87401				Pi	h (505)	632-18	81 Fx	505) 53	32-1865			envr	olech-inc.com	1	